Colonial Pipeline Company

Jeff D. Morrison
Environmental Program Manager

October 30, 2021

To: Dan Bowser, et al.

Re: **Colonial Pipeline SR 2448/Pipeline ROW**
Incident Number 95827
Huntersville, North Carolina

Dear Dan,

Colonial Pipeline Company (Colonial) is pleased to transmit the required Monthly Monitoring Report for October 2021 regarding the above-referenced incident. This report was prepared in conjunction with Apex Engineering, PC.

As discussed during briefings, Colonial continues to perform assessment and product recovery activities.

If you have any questions or require additional information, please contact either John Wyatt at 423.713.7568 / jmwyatt@colpipe.com or myself at 770.819.3566 / jmorrison@colpipe.com.

Respectfully,

Jeff D. Morrison
Environmental Program Manager

APEX

Monthly Monitoring Report
SR 2448 / Pipeline Right of Way
Incident Number 95827

Huntersville, Mecklenburg County, North Carolina 28078

October 30, 2021

Apex Job No.: COL054-0314051-21000948

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1.0 INTRODUCTION

This Monthly Monitoring Report (MMR) presents the results of the soil sampling, groundwater monitoring, surface water monitoring, and free product recovery performed at the Colonial Pipeline Company (CPC) Huntersville-Concord Road (State Road 2448 [SR 2448]) pipeline release site located near Huntersville, Mecklenburg County, North Carolina (the Site). An Initial Assessment Report was submitted to the North Carolina Department of Environmental Quality (NCDEQ) on October 30, 2020. A Comprehensive Site Assessment (CSA) and Revised CSA Items, and a Revised CSA Report were submitted to NCDEQ on February 20, 2021, April 26, 2021, and October 30, 2021, respectively. MMRs were sent to NCDEQ on November 30, 2020, December 30, 2020, January 29, 2021, March 12, 2021, March 30, 2021, April 30, 2021, June 2, 2021, June 30, 2021, July 30, 2021, August 30, 2021, and September 30, 2021. A Conceptual Site Model Report was submitted to NCDEQ on June 25, 2021. Soil delineation sampling results were submitted to NCDEQ in a transmittal dated August 31, 2021 and appended on October 8, 2021. This MMR details Site monitoring and free product recovery activities and results subsequent to those reported in the above mentioned monthly monitoring reports. The information presented herein is duplicative to the October 30, 2021 Revised CSA Report. Apex Companies, LLC (dba Maryland Apex Engineering, P.C.; Apex) prepared this MMR on behalf of CPC for submittal to NCDEQ.

1.1 Site History And Characterization

The CPC Line 1 gasoline release was discovered on August 14, 2020, within the CPC right of way on the Oehler Nature Preserve, approximately 350 feet northeast of where the CPC pipelines cross SR 2448 (**Figure 1** and **Figure 2**). The release is referred to herein as Incident Number (No.) 95827.

The area within a 1,500 foot radius of the Site is a mixture of low density residential properties, agricultural properties, and wooded land. Properties within a 1,500 foot radius of the release site obtain potable water from public water supply or private water supply wells (**Figure 3**). The Site is located within the Yadkin Pee-Dee River Basin. North Prong Clarke Creek is located approximately 1,800 feet north of the release site and South Prong Clarke Creek is located approximately 2,700 feet south of the release site, both of which are characterized by the NCDEQ Division of Water Quality as Class C water bodies, meaning that they are protected for non-drinking water purposes such as biological integrity, fishing, and infrequent secondary recreational purposes (i.e., wading).

Mecklenburg County is located within the Piedmont physiographic province, characterized by rolling hills and moderately steep valleys formed by stream erosion of upland areas. Elevations at the Site range from approximately 650 to 750 feet above mean sea level. The surficial soils at the Site consist almost entirely of fine-grained clayey to silty saprolite developed from the weathering of the underlying bedrock. The soil thickness ranges from a few feet to greater than 100 feet. Data obtained from completed borings indicate the Site is underlain by quartz diorite.

In accordance with the Risk Based Corrective Action rules framework, corrective action objectives for impacted-groundwater at the Site are based on risk classification criteria and the associated remedial goals established under North Carolina 15A NCAC 2L .0506 regulations. The risk classification for a site is based on multiple factors, including the distance from the source area of a release to receptors such as surface water bodies and water supply wells. The risk classification for the Site is 'high risk' due to the presence of multiple water supply wells within 1,000 feet of the release site (**Figure 3**). Groundwater remediation goals for sites classified as high risk are the 2L Groundwater Quality Standards.

2.0 SOIL SAMPLING ACTIVITIES AND RESULTS

Soil sampling was completed subsequent to Line 1 and Line 2 inspection and recoating activities utilizing hand tools. Soil assessment activities were also completed during monitoring well and select recovery well installation activities. Soil delineation sampling activities are complete. A letter report detailing the soil delineation activities and results was submitted to NCDEQ on August 31, 2021 and appended with boring logs on October 8, 2021. Soil borings were advanced with either a Geoprobe® direct-push drill rig, a sonic drill rig, and/or utilizing split spoons. Soil cores were retrieved, and samples were collected from target intervals, placed in airtight containers, and allowed to equilibrate for approximately 15 minutes before measuring volatile organic compound (VOC) headspace readings with a photoionization detector (PID). The samples exhibiting the highest headspace readings were typically selected for chemical analysis unless free product was present. In cases where there were no significant PID measurements

(i.e., less than 5.0 ppm) in a boring, the depth interval corresponding to the terminus of the unsaturated zone was typically selected for chemical analysis. Soil samples were submitted to Pace Analytical, LLC (Pace) for laboratory analysis of the following chemical specific parameters in accordance with NCDEQ requirements:

- VOCs by EPA Method 8260D; and
- Volatile Petroleum Hydrocarbons (VPH) by the Massachusetts Department of Environmental Quality (MADEP) Method.

Results of the soil sampling analysis are summarized in **Table 1**, **Table 2**, and on **Figure 4**.

3.0 WELL GAUGING ACTIVITIES

The recovery well pumping system was shut down for approximately 24 hours on September 22, 2021 to facilitate gauging of the entire monitoring and recovery well network on September 23, 2021. Groundwater at the Site flows in a general northerly and southerly direction. The monitoring well and recovery well gauging data is presented in **Table 3** and **Table 4**, respectively. Groundwater potentiometric surface maps for the surficial and bedrock units are provided as **Figure 5** and **Figure 6**, respectively. A free product distribution map is provided as **Figure 7**.

4.0 GROUNDWATER INVESTIGATION ACTIVITIES AND RESULTS

Between August 27, 2020 and October 23, 2021, 117 monitoring wells were installed at the Site utilizing hollow stem auger, air rotary, and sonic drilling methods. Shallow monitoring wells are typically constructed as Type II wells with the well screen bracketing the water table. Deep monitoring wells are constructed with isolation casings extending from ground surface and tremie grouted approximately 10 feet into the consolidated bedrock unit, and an open borehole without casing or screen extends through the isolation casing and into the bedrock unit. Monitoring wells MW-90DD and MW-91DD are constructed with telescoping isolation casings. Deep wells are completed with 2" PVC casing and screen following completion of downhole geophysical logging activities. Boring logs generated since the previous report are provided as **Appendix C**.

Well development was performed to evacuate any potable water and sediment introduced during the well drilling and installation process. Monitoring well development was performed by lowering a decontaminated submersible pump into the screen interval of the well, surging the pump to bring sediment into suspension and pumping multiple well volumes until the purge water was generally free of sediment. Drill cuttings and well development fluids were contained for off-site disposal.

Each monitoring well present and without measurable free product at the time of the groundwater monitoring event for this reporting period was sampled between September 27 - October 7, 2021, with the following exceptions: (i) MW-90DD was sampled on September 16, 2021; (ii) MW-91DD was sampled on September 23, 2021; and, (iii) MW-97D was sampled on October 11, 2021. Monitoring well sampling was performed in accordance with the United States Environmental Protection Agency (U.S. EPA) "Low Stress (low flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells". During low-flow purging and sampling activities, continuous parameter readings were collected through a flow-through cell and measured for select stabilization parameters including: temperature, specific conductance, pH, oxygen reduction potential, dissolved oxygen, and turbidity. These parameters were recorded at periodic intervals. Typical criteria for stabilization is defined as specific conductance within 3%, pH within 0.1 units, oxidation reduction potential within 10 millivolts, dissolved oxygen within 0.3 milligrams per liter (mg/L), and turbidity within 10% over three consecutive measurements.

Groundwater samples were collected in laboratory supplied bottle ware, placed on ice, and transported, via chain-of-custody protocol, to Pace. Samples were analyzed for the presence of VOCs by EPA Method 6200, VPH by the MADEP Method, and lead by EPA method 6010D. Groundwater sampling logs are provided in **Appendix D**. Detections of analyzed constituents in monitoring wells are depicted on **Figure 8**. Isoconcentration maps for benzene, diisopropyl ether, methyl-tert butyl ether, naphthalene, toluene, total xylenes, C5-C8 Aliphatics, C9-C12 Aliphatics, and C9-C10 Aromatics for both the surficial and bedrock units are provided as **Figure 9A** through **Figure 17B**, respectively. Analytical results are summarized in **Table 5A** and copies of the laboratory reports are provided in **Appendix A**. Analytical results of select oxygenate sampling are summarized in **Table 5B**. A summary of well construction details is provided as **Table 6**. Detections of lead, bromodichloromethane, chloroform, chloromethane,

dibromochloromethane, 1,2-dichloroethane, hexachloro-1,3-butadiene, methylene chloride, styrene, 1,1,1,2-tertachloroethane, tetrachloroethene, trichloroethene, trichlorofluoromethane, and vinyl chloride are not attributed to Incident No. 95827. As shown on **Figure 9A** through **Figure 17B**, the horizontal and vertical extent of petroleum impacts is delineated to 2L Groundwater Quality Standards, based on the groundwater sampling results for the above mentioned samples collected between September 16, 2021 and October 11, 2021.

Weekly water supply well (WSW) sampling was completed by Apex during the reporting period. WSW samples were collected in laboratory supplied bottle ware, placed on ice, and transported, via standard chain-of-custody protocol, to Pace. Samples were analyzed for the presence of VOCs by EPA Method 6200, VPH by the MADEP Method, and lead by EPA method 6010D. WSW sampling results (detections only) are depicted on **Figure 18** and summarized in **Table 7**. **Table 8** shows WSW receptor information. Copies of the laboratory reports are provided in **Appendix A**. Copies of well abandonment forms are provided as **Appendix B**.

Weekly WSW samples continue to show no petroleum constituents exceeding the 2L Groundwater Quality Standards. In accordance with NCDEQ guidance, and based on current data, CPC will continue sampling WSWs within 1,500 feet of the release site.

5.0 SOIL VAPOR INVESTIGATION ACTIVITIES AND RESULTS

This section describes the methods and results of the area-wide soil vapor sampling events and risk evaluations completed at the site during the reporting period. Soil vapor assessment activities have been completed at the site with the following purposes:

- Soil vapor monitoring is performed at a residential structure located at 14130 Huntersville-Concord Road, Huntersville, Mecklenburg County, North Carolina. The residential structure was evaluated as a potential receptor because it is occupied and located within 100 feet of a gasoline free product plume associated with Incident Number 95827. The soil vapor points associated with this monitoring program are identified as SVP-01 through SVP-04.
- Soil vapor monitoring is performed to monitor subsurface vapor conditions in close proximity to the air sparge (AS) and soil vapor extraction (SVE) systems. The soil vapor points associated with this monitoring program are identified as SVP-05 through SVP-15. Soil vapor monitoring points SVP-05 through SVP-15 are further subdivided into exposure units based on location to assess risk at different areas of the soil vapor monitoring network.
- Soil vapor conditions were assessed in utility corridors to confirm that underground utilities and utility conduits and backfill material do not create a preferential pathway for vapor migration in the subsurface. The soil vapor points associated with this monitoring program are identified as SVP-16 through SVP-22. Each utility corridor soil vapor monitoring point is treated as a separate exposure unit.

Soil vapor sampling activities were completed by Apex and risk evaluation activities were completed by Skeo. Soil vapor monitoring point construction, sample collection, and sample analysis procedures meet the requirements of the NCDEQ Division of Waste Management Vapor Intrusion Guidance – Version 2 dated March 2018. Soil vapor samples are collected in Summa® canisters and submitted to a North Carolina-certified environmental laboratory for analysis of Volatile Organic Compounds (VOCs) by EPA Method TO-15 and for Air Phase Petroleum Hydrocarbons (APH) following the Massachusetts Department of Environmental Protection methodology. Historic soil vapor sampling results are provided in **Table 9**. A map showing all utility corridor soil vapor sampling locations and risk calculator results for SVP-16 through SVP-22 is provided as **Figure 19**. A map showing the exposure unit groupings and risk calculator results for SVP-01 through SVP-15 is provided as **Figure 20**. The results of the risk calculator outputs are provided as **Appendix E.**

The primary compounds associated with the gasoline release are gasoline constituents (i.e., benzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, ethylbenzene, toluene, xylene, naphthalene, C5-C8 aliphatics, C9-C12 aliphatics, and C9-C10 aromatics) as well as gasoline oxygenates, such as diisopropyl ether and methyl-tert butyl ether.

It is not unusual for soil vapor sampling to detect compounds that are in household cleaning products and other compounds that are present in the surrounding outdoor air. These compounds, specifically chlorinated organic compounds and acrolein, were observed in some soil vapor samples collected near the residence and are discussed further below.

Tetrachloroethene has been detected in MW-11 and nearby monitoring wells on the adjoining property to the west, in the vicinity of two former outbuilding locations. The presence of these chlorinated compounds are not attributed to the Line 1 gasoline release and were not present at concentrations of concern with respect to vapor intrusion.

Acrolein detections in soil vapor yield a noncancer HQ estimate of >1, yet its attribution to a subsurface gasoline release is suspect for a number of reasons:

- Acrolein is ubiquitous in the environment and is generated by both natural and anthropogenic processes.
- Acrolein is present as a combustion product in auto exhaust and thus commonly present in outdoor air.
- Acrolein was detected in ambient air at slightly higher concentrations as measured in multiple soil vapor samples.
- There is no consistent pattern of acrolein detections and all detections are estimated concentrations with similar concentrations and not associated with elevated detections of gasoline constituents (e.g., aliphatic hydrocarbons) (**Table 10**).
- Many labs cannot reliably report acrolein at acceptable health-based screening levels in soil gas or ambient air.

Chlorinated compounds and acrolein are likely not directly associated with impacted groundwater from the Line 1 gasoline release and are also evaluated to differentiate potential background contributions to ambient air and soil vapor sampling results (See **Appendix E**, **Table 1**).

The detected compounds at SVP-01 through SVP-04 attributed to the Line 1 gasoline release were evaluated using the NCDEQ Risk Calculator, which conservatively calculates the soil vapor risks using default assumptions of soil vapor transport. The residential soil vapor data show that the estimated incremental cancer risk is below the acceptable level established by NCDEQ of 1E-04 and the estimated total hazard is less than the NCDEQ threshold of 1.0, with the exception of five low level temporal exceedances (**Figure 20**). Based on this analysis, there are no unacceptable risks identified with compounds associated with the Line 1 gasoline release. For acrolein, the observed concentrations in soil vapor samples are roughly the same as outdoor air, and therefore do not pose an excess incremental risk or hazard over background conditions. CPC continues to investigate the source of acrolein that was detected during the sampling events. Ongoing soil vapor sampling at SVP-01 through SVP-15 is planned on a monthly basis.

6.0 SURFACE WATER INVESTIGATION ACTIVITIES AND RESULTS

The Site is located within the Yadkin Pee-Dee River Basin. North Prong Clarke Creek is located approximately 1,800 feet north of the release site and South Prong Clarke Creek is located approximately 2,700 feet south of the release site, both of which are classified as Class C water bodies by the NCDEQ Division of Water Resources. Two groundwater seeps and an ephemeral stream are located approximately 1,200 feet southeast of the release site. The ephemeral stream flows to South Prong Clarke Creek.

Surface water sampling was conducted by Environmental Planning Specialists, Inc. (EPS) at seven locations (SW-1 through SW-7). Surface water samples were also collected from the two groundwater seep locations (SW-Seep, SW-Seep 2) and the receiving ephemeral stream (SW-Confluence, SW-Confluence 2, and SW-G). Surface water samples were collected in laboratory supplied bottle ware, placed on ice, and transported, via chain-of-custody protocol, to Pace. Samples were analyzed for the presence of benzene, toluene, ethylbenzene, xylenes (BTEX) by EPA Method 8260D and total petroleum hydrocarbons gasoline range organics by EPA Method 8015C. All surface water samples collected to date have not exceeded North Carolina Title 15A NCAC 02B regulations. A surface water sample locations map, surface water sampling results, and general surface water parameter measurements are provided in **Appendix F**.

7.0 REMEDIATION ACTIVITIES SUMMARY

7.1 Air Sparge and Soil Vapor Extraction System

The objective of the air sparge (AS) and soil vapor extraction (SVE) system is to decrease the migration of dissolved phase hydrocarbons south of the release site and recovery well network. A total of 22 air sparge wells and 18 soil vapor extraction wells have been installed (**Figure 20**). Vapor recovered from soil vapor extraction wells is routed through a temporary thermal oxidation unit.

The AS and SVE system start-up was initiated on August 23, 2021. The air sparge system was shut down on September 10, 2021 to evaluate the system. The SVE system continues to operate.

7.2 Free Product Recovery Activities

As of October 23, 2021, a total of 89 vacuum enhanced recovery wells and 56 hydraulic control wells have been installed within the release site (**Figure 21**). Pneumatic recovery pumps are operated in the wells and vacuum is applied to the wells to enhance recovery. As of October 20, 2021, approximately 1,222,803 gallons of gasoline free product has been recovered from the recovery well network. Total product recovery during the soil excavation activities (2,273 gallons), the emergency response activities (90,930 gallons), soil vapor recovery (5,834 gallons), and from the recovery well network (1,222,803 gallons) is approximately 1,321,840 gallons. A summary of system one and system two vapor recovery operations information is provided in **Table 11** and **Table 12**, respectively. A summary of wells equipped with recovery pumps and vacuum enhancement is provided in **Table 13**.

Recovered free product has been transported for reprocessing to Midwest Gas Company located in Columbus, Ohio and the CPC Facility located in Greensboro, North Carolina.

8.0 WASTE DISPOSAL ACTIVITIES

Waste streams and recovered petroleum fuels generated at the Site in connection with abatement and corrective action activities include petroleum contact water and soil. Since recovery efforts were initiated, petroleum contact water has been sent to Aaron Oil Company, Inc. located in Saraland, Alabama, Allied Waste Services of Birmingham, Alabama, Heritage Crystal-Clean of Concord, North Carolina, Midwest Gas Company of Columbus, Ohio, Legacy Environmental Services of Charlotte, North Carolina, Marion Environmental of Monroe, North Carolina, and Covanta Environmental Solutions of Asheboro, North Carolina for processing. Soil has been sent to the Environmental Soil, Inc. land application facility located in Lattimore, North Carolina (Permit Number SRU100038) the Charlotte Motor Speedway Landfill located in Concord, North Carolina and operated by Republic Services (Permit Number 1304-MSWLF-1992). Excavated soil was initially sent to the Environmental Soil, Inc. land application facility between August 16 and August 27, 2020. At the request of NCDEQ, the soil was later transferred to the Charlotte Motor Speedway Landfill between October 9, 2020 and October 16, 2020. As of October 16, 2020, the transfer of soil to the Charlotte Motor Speedway Landfill was completed. Any additional excavated soils have been transported directly to the Charlotte Motor Speedway Landfill. Copies of bills of lading and waste manifests covering the September 2021 period are provided in **Appendix G**.

9.0 CONCLUSIONS

A total of 302 wells (117 monitoring wells, 89 recovery wells, 56 hydraulic control wells, and 40 air sparge system wells) were installed at the Site between August 27, 2020 and October 20, 2021. Detections of lead, bromodichloromethane, chloroform, chloromethane, dibromochloromethane, 1,2-dichloroethane, hexachloro-1,3-butadiene, methylene chloride, styrene, 1,1,1,2-tertachloroethane, tetrachloroethene, trichloroethene, trichlorofluoromethane, and vinyl chloride are not attributed to Incident No. 95827. **Figure 9A** through **Figure 17B**, depict the horizontal and vertical extent of dissolved phase petroleum impacts, based on the October 2021 groundwater sampling results. Weekly WSW samples continue to show no petroleum constituents exceeding the 2L Groundwater Quality Standards. Bi-weekly surface water sampling continues to show no petroleum constituents above North Carolina Title 15A NCAC 02B regulations. Free product recovery activities continue. As per NCDEQ's Notice dated September 25, 2020, groundwater monitoring reports will be submitted to the NCDEQ Mooresville Regional Office each subsequent month until that schedule is revised.

FIGURES



Data Sources: US Geological Survey (Elevation Products)

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Site Location Map

Colonial Pipeline Company

2020-L1-SR2448

Huntersville, North Carolina

0 750 1,500 2,250 Feet

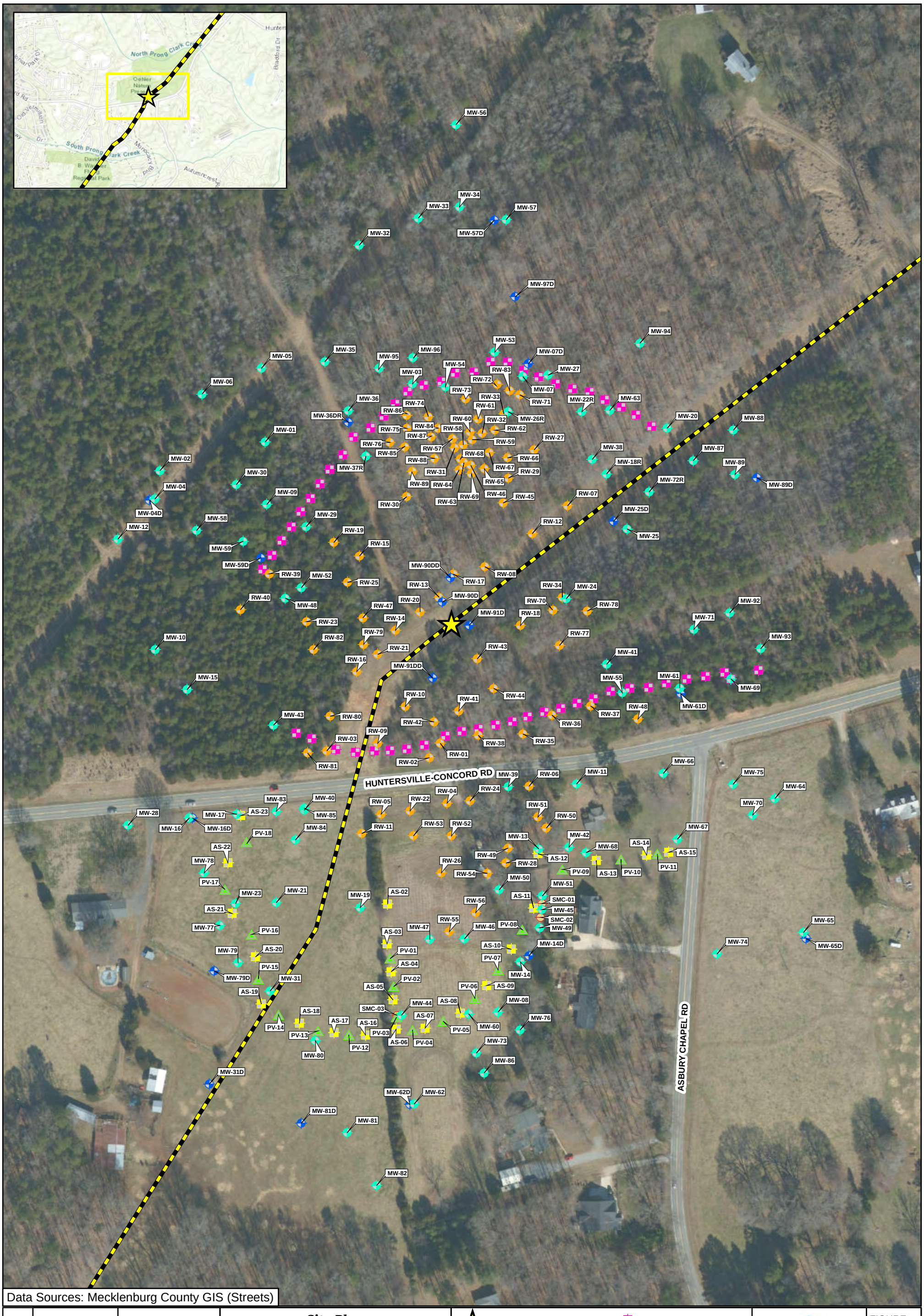
Figure

1

Release Site

APEX

Document Path: E:\Apex\Huntersville\Figures\MXDs\Figure 1-Site Location Map.mxd



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Project No.:	CPC20126

Site Plan
Colonial Pipeline Company
2020-L1-SR2448 Release
Huntersville, North Carolina

0 150 300 Feet

Release Site
Pipeline
Monitoring Well
Monitoring Well (Bedrock)
Recovery Well
Hydraulic Control Well
Air Sparge
Vapor Point
Piezometer

APEX

FIGURE 2

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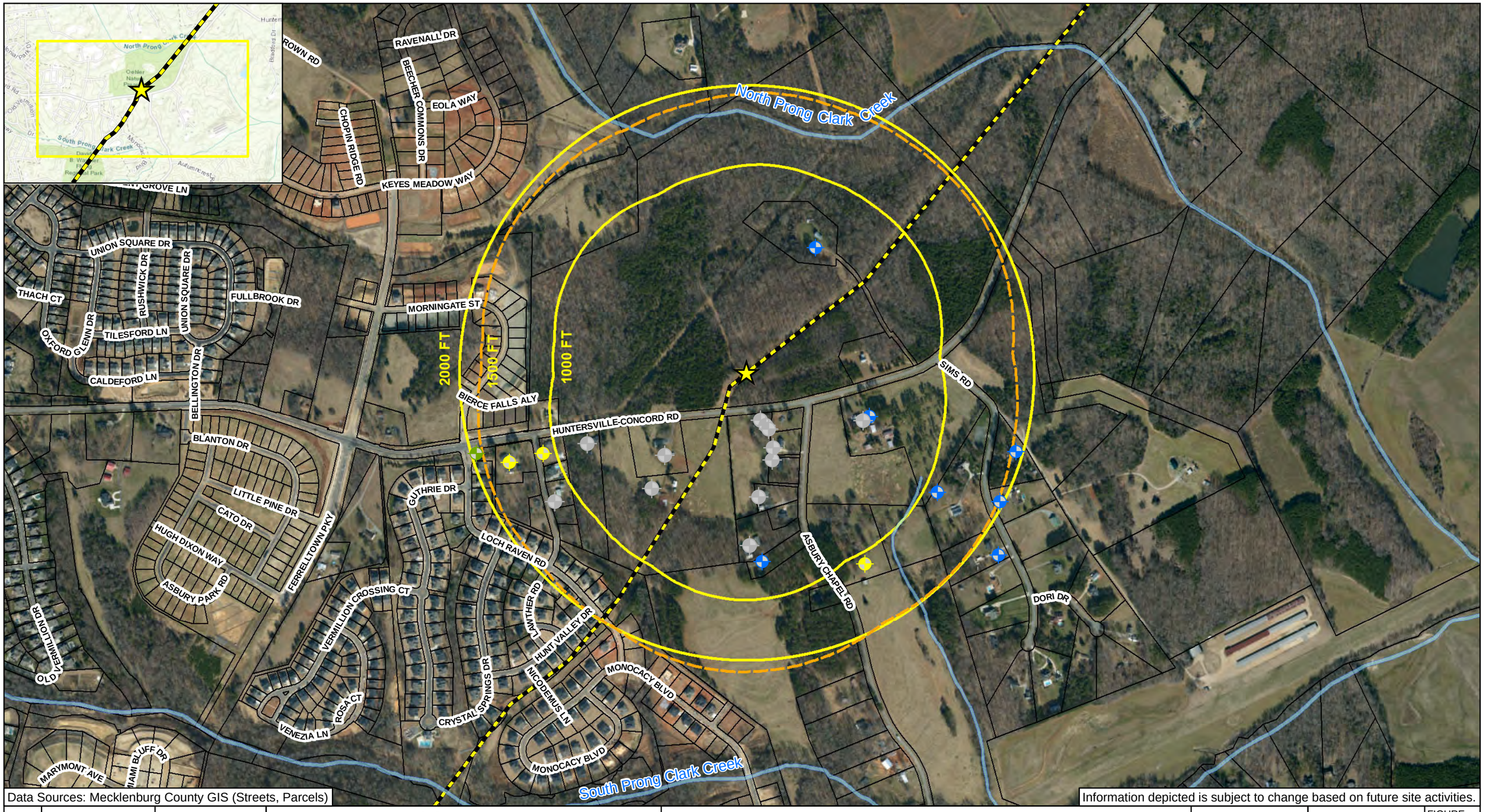

Data Sources: Mecklenburg County GIS (Streets, Parcels)

Information depicted is subject to change based on future site activities.

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Potential Receptor Map
Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

0 600 1,200 1,800 Feet

- Release Site
- Pipeline
- Parcel Boundaries
- Water Supply Well (Potable Use)
- Water Supply Well (Non-Potable Use)
- Water Supply Well (Abandoned)
- Water Supply Well (Inactive Use)
- 1,500-Foot Radius from Edge of October 2021 Free Product Boundary
- 2,000-Foot Radius from Point of Release

APEX

FIGURE 3

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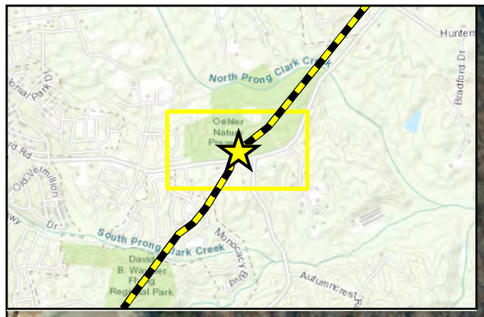

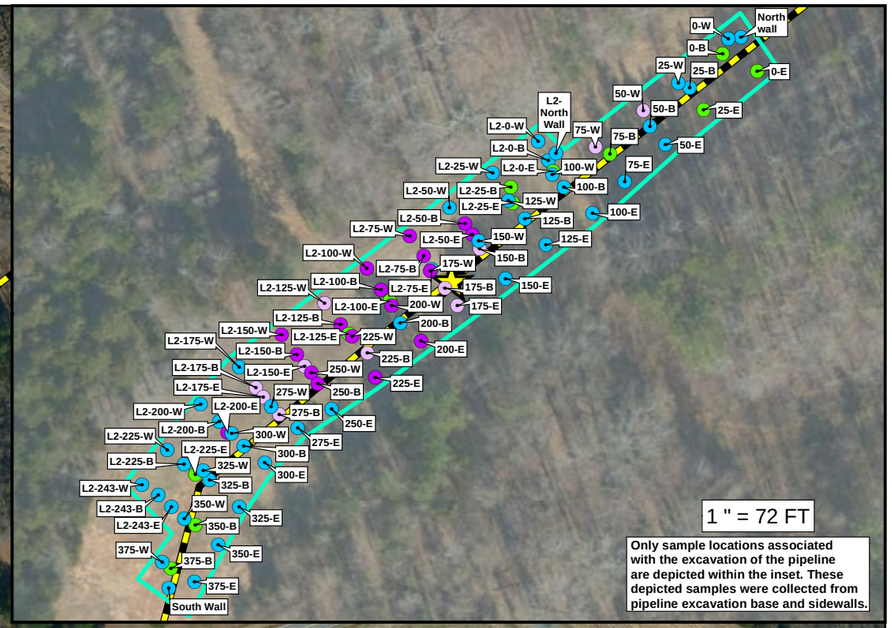

Data Sources: Mecklenburg County GIS (Streets)

Information depicted is subject to change based on future site activities.

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Project No.:	CPC20126

Pipeline Excavation and Delineation Soil Sampling Results
Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

0 225 450 675 Feet

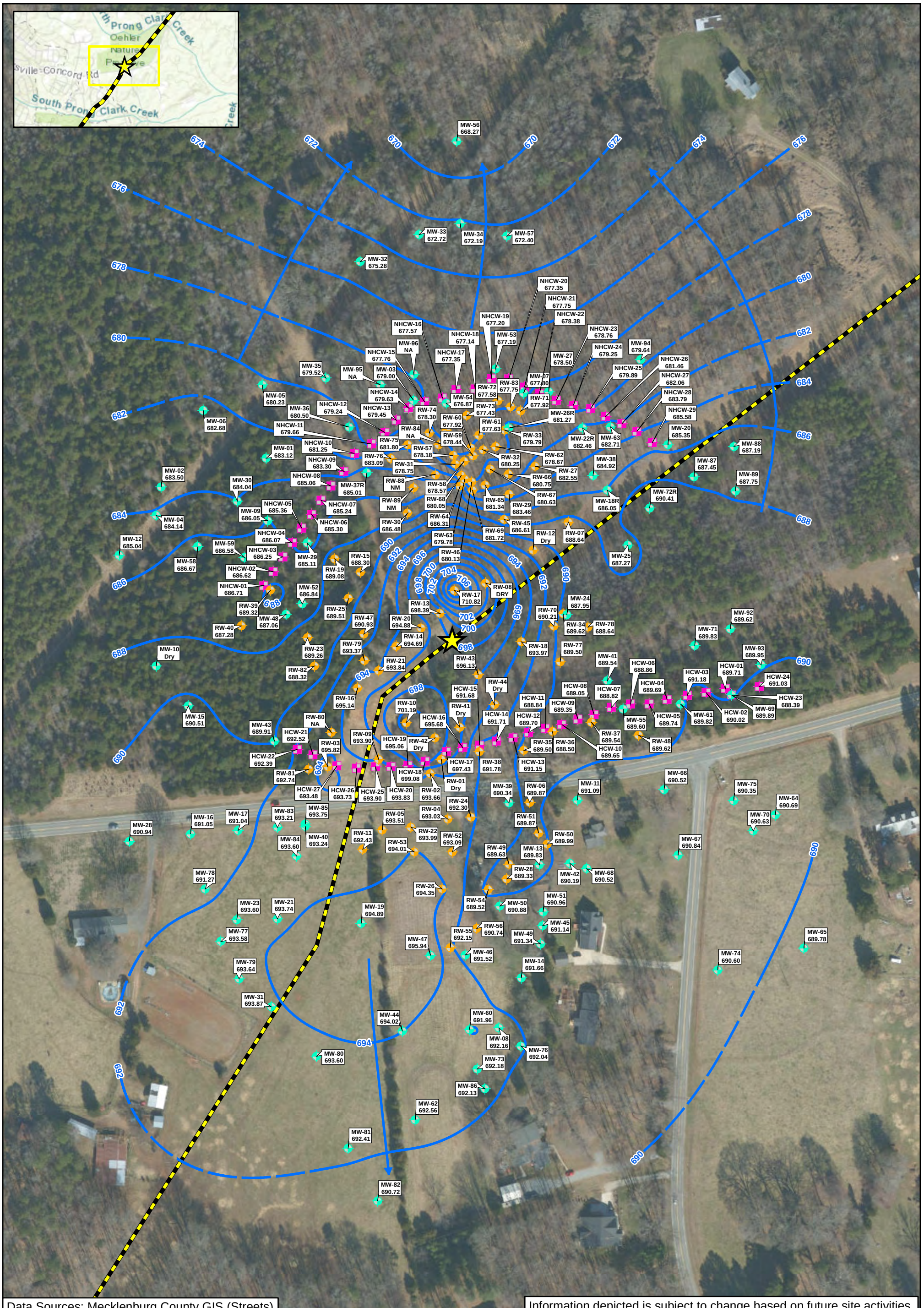
Release Site
Pipeline
Equal to or Below Maximum Soil Contaminant Concentration Levels (MSCCs)
Exceeds Soil-To-Water (MSCCs)
Soil Sample Collected At or Below the Saturated Interval
Exceeds Residential Soil Clean Up Levels (MSCCs)
Exceeds Industrial/Commercial Soil Levels (MSCCs)
Area of all excavated soil

Notes: See Table 1 and Table 2 for detailed results.
Soil sampling results depicted on this map represent soil conditions between two feet below ground surface and the saturated interval.

APEX

FIGURE 4

Document Path: E:\Apex\Huntersville\Figures\MXDs\Figure 4-Pipeline Excavation and Delineation Soil Sampling Results.mxd



Data Sources: Mecklenburg County GIS (Streets)

Information depicted is subject to change based on future site activities.

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Project No.:	CPC20126

Groundwater Potentiometric Surface Map - Surficial Unit
Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

0 150 300 Feet

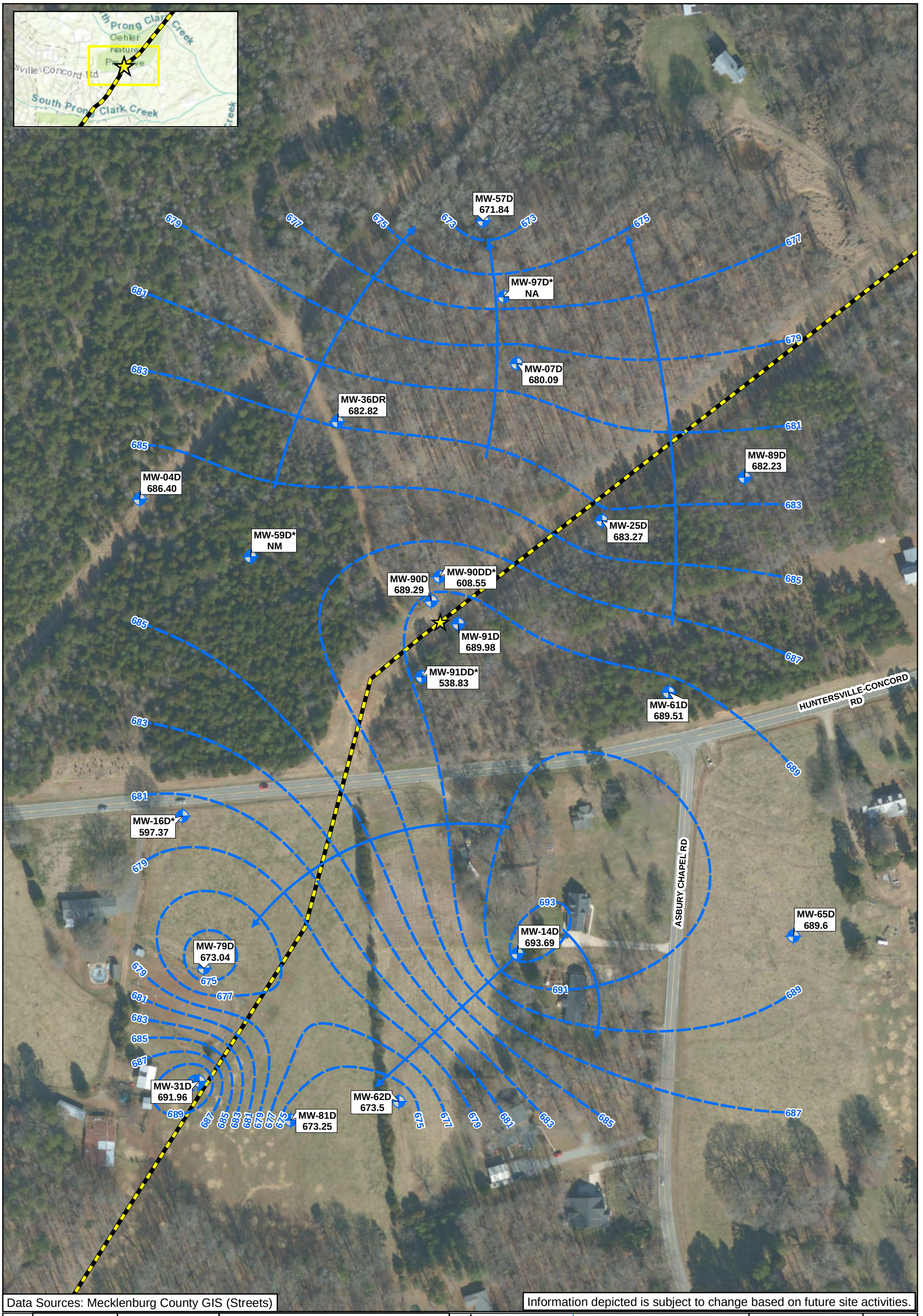
- Release Site
- Pipeline
- Apparent Groundwater Flow Direction
- Equipotential Contour (ft. amsl) (Dashed where inferred)
- Monitoring Well
- Recovery Well
- Hydraulic Control Well

NOTES:
Contours based on well gauging data collected 09/23/2021;
Groundwater elevation measurements shown in feet amsl (above mean sea level);
The following locations, denoted as 'NM' (Not Measured) 'Dry', or 'N/A (Not Applicable) were not used in contouring: MW-10 (Dry), MW-95 (NA); MW-96 (NA), RW-01/08/12/41/42/44/80 (Dry), RW-84 (NA), RW-87 (NM), RW-89 (NM)
Contours interpolated using Surfer (Kriging)

APEX

FIGURE 5

Document Path: E:\Apex\Huntersville\Figures\MXDs\Figure 5-Groundwater Potentiometric Surface Map_Portrait.mxd



Data Sources: Mecklenburg County GIS (Streets)

Information depicted is subject to change based on future site activities.

Checked By:	AS
Created By:	CW
Scale:	1 " = 150 FT
Date/Time:	10/29/2021; 12:22
Project No.:	CPC20126

Groundwater Potentiometric Surface Map
- Bedrock Unit
Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

0 150 300 Feet

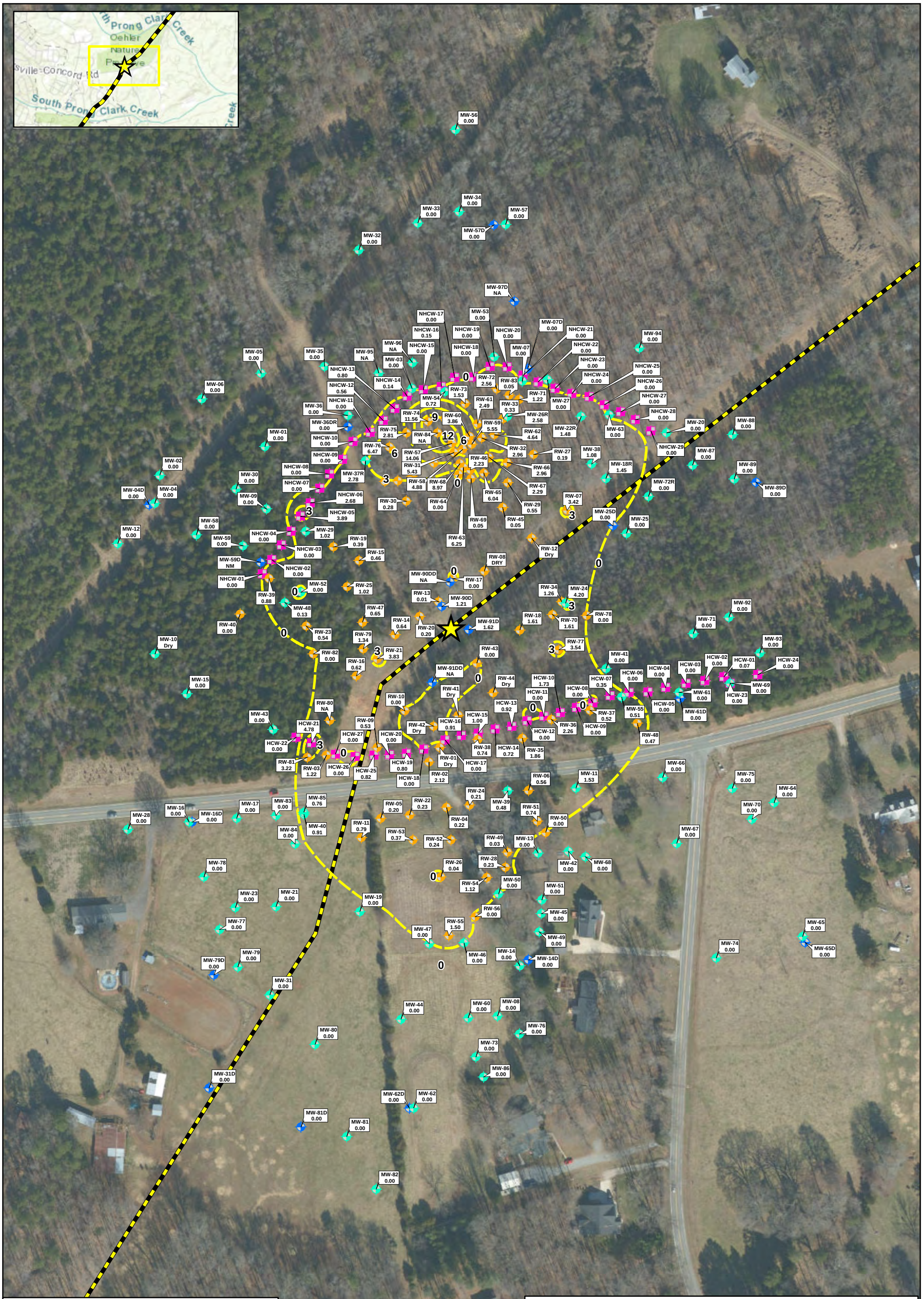
Release Site
Monitoring Well (Bedrock)
Pipeline
Apparent Groundwater Flow Direction
Equipotential Contour (ft amsl)

NOTES:
Contours based on monitoring well gauging data collected on 09/23/2021;
Groundwater elevation measurements shown in feet amsl (above mean sea level);
The following wells were denoted with an asterik not used during contouring:
MW-16D*, MW-59D*, MW-90DD*, MW-91DD*, MW-97D*
Contours interpolated using Surfer (Kriging)

APEX

FIGURE
6

Document Path: E:\Apex\Huntersville\Figures\MXDs\Figure 6-Bedrock Groundwater Potentiometric Surface Map_Portrait.mxd



Data Sources: Mecklenburg County GIS (Streets)

Information depicted is subject to change based on future site activities.

Checked By:	AS
Created By:	CW
Scale:	1 " = 150 FT
Date/Time:	10/30/2021; 11:39
Project No.:	CPC20126

Free Product Distribution Map
Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

0 150 300 Feet

- Release Site
- Pipeline
- Apparent Free Product Thickness Contour
- Hydraulic Control Well
- Monitoring Well
- Monitoring Well (Bedrock)
- Recovery Well

NOTES:
All gauging measurements taken 09/23/2021;
Free Product Thickness determined from apparent thickness in wells only and shown in feet;
The following locations, denoted as NM (Not Measured), N/A (Not Applicable), or Dry, were not used in contouring: MW-10 (Dry), MW-59D (NM), MW-95 (NA), MW-96 (NA), MW-97D (NA), RW-01/-08/-12/-41/-42/-44 (Dry), RW-80/84 (NA); MW-90DD (NA), MW-91DD (NA)
Contours created using Surfer (Kriging).

APEX

FIGURE 7

Document Path: E:\Apex\Huntersville\Figures\MXDs\Figure 7-Free Product Distribution Map_Portrait.mxd

MW-56	
9/28/2021	
All Constituents	ND

MW-57D	
9/28/2021	
Lead	4.8J

MW-34	
9/28/2021	
Toluene	0.34J
Trichlorofluoromethane	0.19J

MW-57	
9/28/2021	
All Constituents	ND

MW-07	
9/28/2021	
Benzene	**23**
sec-Butylbenzene	0.14J
Diisopropyl ether	1.5
Ethylbenzene	59
Isopropylbenzene (Cumene)	1.7
Naphthalene	2.5
n-Propylbenzene	2.9
Toluene	290
1,2,4-Trimethylbenzene	32
1,3,5-Trimethylbenzene	12
Xylene (Total)	360
m&p-Xylene	230
o-Xylene	130
C5 - C8 Aliphatics	**1100**
C9 - C10 Aromatics	150

MW-33	
9/28/2021	
All Constituents	ND

MW-07D	
10/11/2021	
Benzene	**13**
Diisopropyl ether	14
Ethylbenzene	0.81
Methyl-tert-butyl ether	7.4
n-Propylbenzene	0.13J
Toluene	1J
1,2,4-Trimethylbenzene	0.88J
1,3,5-Trimethylbenzene	0.3J
Xylene (Total)	8.5
m&p-Xylene	4
o-Xylene	4.5

MW-94	
9/28/2021	
Lead	4.7J
Bromodichloromethane	0.26J
Chloroform	1.8
Ethylbenzene	0.41J
Toluene	2.4
1,2,4-Trimethylbenzene	0.1J
Xylene (Total)	2.14
m&p-Xylene	1.5
o-Xylene	0.64

MW-32	
9/28/2021	
Lead	4.6J

MW-97D	
10/11/2021	
Toluene	0.16J
Xylene (Total)	0.47J
m&p-Xylene	0.35J
o-Xylene	0.12J

MW-53	
9/28/2021	
Chloroform	0.27J

MW-95	
10/1/2021	
Chloroform	0.59
Diisopropyl ether	2.3
Methyl-tert-butyl ether	0.32J
Trichlorofluoromethane	0.35J

MW-35	
9/27/2021	
All Constituents	ND

MW-96	
10/1/2021	
Toluene	0.13J

MW-63	
9/29/2021	
Benzene	0.19J
Chloroform	0.24J
Diisopropyl ether	4.5
Toluene	0.15J

MW-87	
9/29/2021	
Bromodichloromethane	**0.87**
Chloroform	6.2
Toluene	0.31J
Xylene (Total)	0.41J
m&p-Xylene	0.26J
o-Xylene	0.15J

MW-05	
9/27/2021	
All Constituents	ND

MW-54	
Not Sampled (Free Product)	

MW-27	
9/27/2021	
All Constituents	ND

MW-37	
Not Sampled (Free Product)	

MW-26	
Not Sampled (Free Product)	

MW-06	
9/27/2021	
All Constituents	ND

MW-36	
9/28/2021	
Trichlorofluoromethane	0.27J

MW-03	
10/1/2021	
Ethylbenzene	0.22J
Toluene	2.7
Xylene (Total)	0.76J
m&p-Xylene	0.46J
o-Xylene	0.3J
C5 - C8 Aliphatics	130

MW-20	
9/28/2021	
Bromodichloromethane	**0.67**
Chloroform	3.7
Diisopropyl ether	0.73

MW-88	
9/28/2021	
Lead	7.1
Bromodichloromethane	0.22J
Chloroform	1.2

MW-01	
10/7/2021	
All Constituents	ND

MW-22	
Not Sampled (Free Product)	

MW-02	
9/27/2021	
All Constituents	ND

MW-30	
9/29/2021	
All Constituents	ND

MW-36DR	
9/28/2021	
All Constituents	ND

MW-38	
Not Sampled (Free Product)	

MW-72	
Not Sampled	

MW-89	
9/28/2021	
Lead	5.6

MW-04	
9/27/2021	
All Constituents	ND

MW-18	
Not Sampled (Free Product)	

MW-89D	
9/27/2021	
Bromodichloromethane	0.34J
Chloroform	2
Xylene (Total)	0.82J
m&p-Xylene	0.58J
o-Xylene	0.24J

MW-04D	
9/29/2021	
Lead	4.5J
Toluene	0.16J
Xylene (Total)	0.32J
m&p-Xylene	0.23J
o-Xylene	0.09J

MW-25	
9/29/2021	
Benzene	**66**
Bromodichloromethane	0.55
n-Butylbenzene	0.14J
sec-Butylbenzene	0.12J
Chloroform	2.2
Diisopropyl ether	5.3
Ethylbenzene	1.4
Isopropylbenzene (Cumene)	1.3
Methyl-tert-butyl ether	0.24J
Naphthalene	4.1
n-Propylbenzene	1.4
Styrene	0.1J
Toluene	130
1,2,4-Trimethylbenzene	21
1,3,5-Trimethylbenzene	6.1
Xylene (Total)	224
m&p-Xylene	140
o-Xylene	84
C5 - C8 Aliphatics	**690**
C9 - C10 Aromatics	120

MW-09	
9/29/2021	
All Constituents	ND

MW-29	
Not Sampled (Free Product)	

MW-90DD	
9/16/2021	
Toluene	0.72
Xylene (Total)	1.14
m&p-Xylene	0.8J
o-Xylene	0.34J

MW-25D	
9/29/2021	
Lead	4.7J
Diisopropyl ether	0.34
Methyl-tert-butyl ether	0.26
Toluene	0.28
1,2,4-Trimethylbenzene	0.1
Xylene (Total)	0.73
m&p-Xylene	0.54
o-Xylene	0.19

MW-12	
9/27/2021	
All Constituents	ND

MW-58	
9/28/2021	
Chloroform	0.58

MW-59D	
Not Sampled (Dry)	

MW-59	
9/29/2021	
All Constituents	ND

MW-48	
Not Sampled (Free Product)	

MW-90D	
Not Sampled	

MW-24	
Not Sampled (Free Product)	

MW-52	
9/29/2021	
Benzene	**1100**
Diisopropyl ether	**140**
Ethylbenzene	3.2J
Isopropylbenzene (Cumene)	4.5J
Methyl-tert-butyl ether	**27**
Naphthalene	**20**
Toluene	110
1,3,5-Trimethylbenzene	8J
Xylene (Total)	265
m&p-Xylene	15J
o-Xylene	250
C5 - C8 Aliphatics	**4100**
C9 - C10 Aromatics	**510**

MW-91D	
Not Sampled	

MW-92	
9/29/2021	
All Constituents	ND

MW-10	
Not Sampled (Dry)	

MW-91DD	
9/23/2021	
Lead	7.1
Benzene	0.47J
n-Butylbenzene	0.51
Chloroform	0.72
Ethylbenzene	2.2
Isopropylbenzene (Cumene)	0.26J
Naphthalene	1.4
n-Propylbenzene	0.88
Toluene	6.2
1,2,4-Trimethylbenzene	3.3
1,3,5-Trimethylbenzene	1.8
Xylene (Total)	12.6
m&p-Xylene	6.7
o-Xylene	5.9
C9 - C12 Aliphatics	120

MW-41	
9/29/2021	
Benzene	**6.2**
Diisopropyl ether	1
Ethylbenzene	0.73
Toluene	9.5
Xylene (Total)	3.4
m&p-Xylene	1.9
o-Xylene	1.5

MW-55	
Not Sampled (Free Product)	

MW-93	
9/29/2021	
Lead	6.6

MW-15	
9/27/2021	
All Constituents	ND

MW-69	
9/29/2021	
Bromodichloromethane	2.2
Chloroform	14
Dibromochloromethane	**0.4J**

MW-61D	
9/29/2021	
Bromodichloromethane	2
Chloroform	9
Dibromochloromethane	0.38J

MW-66	
10/4/2021	
Lead	5J
Bromodichloromethane	**1.6**
Chloroform	5.5
Dibromochloromethane	**0.41J**

MW-61	
Not Sampled (Free Product)	

MW-43	
9/29/2021	
Trichloroethene	0.24J
Trichlorofluoromethane	0.63

MW-39	
Not Sampled (Free Product)	

MW-75	
10/4/2021	
Lead	4.7J

MW-83	
9/30/2021	
All Constituents	ND

MW-85	
Not Sampled (Free Product)	

MW-19	
10/1/2021	
Benzene	**2500**
Diisopropyl ether	**160**
Ethylbenzene	140
Methyl-tert-butyl ether	**42**
Naphthalene	**48**
n-Propylbenzene	7.2J
Toluene	**4000**
1,2,4-Trimethylbenzene	230
1,3,5-Trimethylbenzene	66
Xylene (Total)	**2680**
m&p-Xylene	**1700**
o-Xylene	**980**
C5 - C8 Aliphatics	**12000**
C9 - C10 Aromatics	**1400**

MW-42	
10/4/2021	
Chloroform	0.84

MW-11	
Not Sampled (Free Product)	

MW-64	
10/4/2021	
Chloroform	0.39J

MW-68	
10/4/2021	
Lead	5.9

MW-70	
10/4/2021	
Chloroform	0.28J

MW-17	
9/30/2021	
Chloroform	2
Tetrachloroethene	0.33J

MW-40	
Not Sampled (Free Product)	

MW-45	
10/1/2021	
Lead	10.8
Chloroform	0.21J
Diisopropyl ether	0.2J

MW-67	
10/4/2021	
All Constituents	ND

MW-28	
9/30/2021	
All Constituents	ND

MW-13	
10/4/2021	
Chloroform	0.72
Tetrachloroethene	0.24J

MW-16	
9/30/2021	
All Constituents	ND

MW-78	
9/30/2021	
All Constituents	ND

MW-84	
10/1/2021	
Ethylbenzene	0.13J
Toluene	0.94J
Xylene (Total)	0.57J
m&p-Xylene	0.19J
o-Xylene	0.38J

MW-16D	
10/1/2021	
Benzene	0.13J
Ethylbenzene	0.15J
Toluene	1.2
1,2,4-Trimethylbenzene	0.12J
Xylene (Total)	1.16J
m&p-Xylene	0.83J
o-Xylene	0.33J

MW-23	
10/1/2021	
All Constituents	ND

MW-77	
9/30/2021	
All Constituents	ND

MW-21	
10/1/2021	
Benzene	**620**
Diisopropyl ether	62
Ethylbenzene	2.4J
Isopropylbenzene (Cumene)	2J
Methyl-tert-butyl ether	41
Naphthalene	**6.8**
n-Propylbenzene	1.4J
Toluene	14
1,2,4-Trimethylbenzene	2.2J
1,3,5-Trimethylbenzene	1J
Xylene (Total)	32
m&p-Xylene	14
o-Xylene	18
C5 - C8 Aliphatics	**1400**

MW-47	
Not Sampled (Free Product)	

MW-49	
10/1/2021	
Lead	4.8J
Benzene	0.19J
Chloroform	0.43J
Toluene	0.48J
Xylene (Total)	0.58J
m&p-Xylene	0.39J
o-Xylene	0.19J

MW-51	
10/1/2021	
All Constituents	ND

MW-65	
10/4/2021	
All Constituents	ND

MW-79	
9/30/2021	
All Constituents	ND

MW-46	
10/4/2021	
Toluene	0.29J
Xylene (Total)	0.47J
m&p-Xylene	0.26J
o-Xylene	0.21J

MW-14	
10/1/2021	
All Constituents	ND

MW-14D	
9/29/2021	
Toluene	0.21J
Xylene (Total)	0.61J
m&p-Xylene	0.45J
o-Xylene	0.16J

MW-50	
10/4/2021	
Benzene	**62**
Diisopropyl ether	15
Ethylbenzene	10
Isopropylbenzene (Cumene)	0.34J
Methyl-tert-butyl ether	1.4
Naphthalene	2.4
n-Propylbenzene	0.48J
Toluene	100
1,2,4-Trimethylbenzene	11
1,3,5-Trimethylbenzene	4.3
Xylene (Total)	178
m&p-Xylene	95
o-Xylene	83
C5 - C8 Aliphatics	**590**

MW-65D	
10/4/2021	
Toluene	0.15J
Xylene (Total)	0.29J
m&p-Xylene	0.29J

MW-74	
10/4/2021	
Lead	5J

MW-79D	
10/1/2021	
Ethylbenzene	0.11J
Toluene	8.8
1,2,4-Trimethylbenzene	0.11J
Vinyl chloride	0.22J
Xylene (Total)	0.83J
m&p-Xylene	0.58J
o-Xylene	0.25J

MW-76	
9/30/2021	
All Constituents	ND

MW-31	
10/1/2021	
Chloroform	0.27J
Diisopropyl ether	0.16J

MW-60	
10/4/2021	
All Constituents	ND

MW-44	
10/4/2021	
All Constituents	ND

MW-08	
10/4/2021	
Chloroform	0.23J

MW-31D	
10/1/2021	
Toluene	0.12J
Xylene (Total)	0.34J
m&p-Xylene	0.25J
o-Xylene	0.09J

MW-80	
9/30/2021	
All Constituents	ND

MW-73	
10/5/2021	
All Constituents	ND

MW-86	
9/30/2021	
Lead	5.2

MW-81D	
10/1/2021	
Ethylbenzene	0.13J
Toluene	0.43J
Xylene (Total)	0.72J
m&p-Xylene	0.53J
o-Xylene	0.19J

MW-62	
10/4/2021	
Bromodichloromethane	0.28J
Chloroform	0.91

MW-81	
9/30/2021	
All Constituents	ND

MW-62D	
9/30/2021	
Lead	5.6
Ethylbenzene	0.2J
Toluene	0.53
1,2,4-Trimethylbenzene	0.14J
Xylene (Total)	1.19J
m&p-Xylene	0.83J
o-Xylene	0.36J

MW-82	
9/30/2021	
All Constituents	ND

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Checked By:	--
Created By:	CW
Scale:	1 " = 65 FT
Date/Time:	10/30/2021; 11:43
Project No.:	CPC20126

Monitoring Well Sampling Results

Colonial Pipeline Company

2020-L1-SR2448

Huntersville, North Carolina

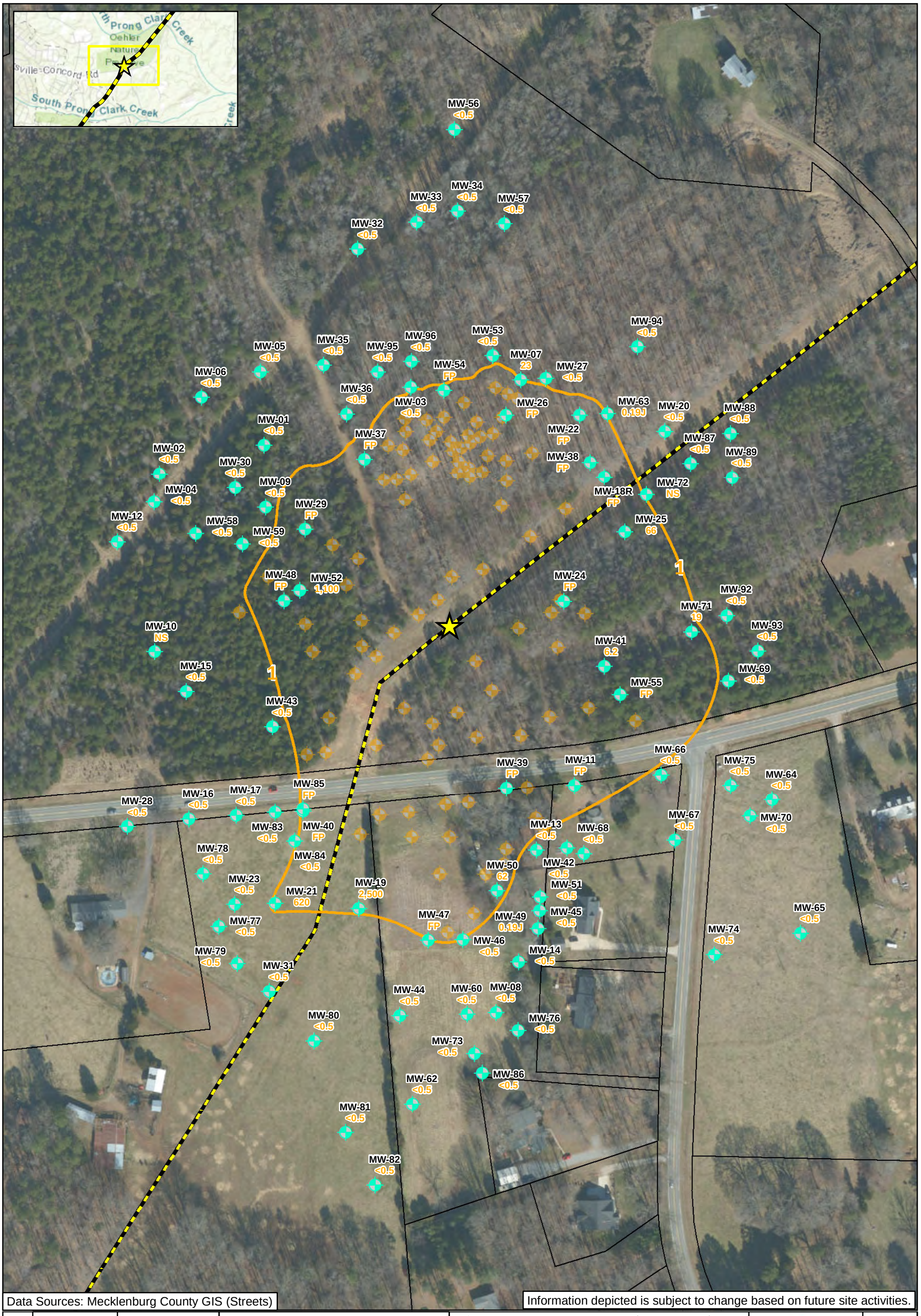
0 65 130 195 260 Feet

Release Site
Pipeline
Monitoring Well
Monitoring Well (Bedrock)
Recovery Well

Notes:
ND = Non-Detect
N/A = Not Applicable
J = Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
All units reported in µg/L.
µg/L = Micrograms per Liter
Detections in **Bold** indicate an exceedance of NCAC 2L standard.
Only laboratory detections are shown on this map.
See Table 5 for complete results.

APEX

FIGURE
8



Data Sources: Mecklenburg County GIS (Streets)

Information depicted is subject to change based on future site activities.

Checked By:	AS
Created By:	CW
Scale:	1 " = 150 FT
Date/Time:	10/29/2021; 12:26
Project No.:	CPC20126

Benzene Isoconcentration Map
Surficial Unit
Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

0 150 300 Feet

- Release Site
- Pipeline
- 1 — Benzene Isocontour (Dashed where Inferred)
- Recovery Well
- Monitoring Well

<0.5 Constituent Not Detected Above Laboratory Practical Quantitation Limit
1100 Benzene Concentration (µg/L)
FP = Free Product
NS = Not Sampled
NA = Not Applicable
µg/L = Micrograms per Liter

NCDEQ 2L Standard for Benzene is 1 µg/L
Bedrock Wells Not Used For Contouring
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

APEX

FIGURE 9A

Document Path: E:\Apex\Huntersville\Figures\MXDs\Figure 9A-Benzene Isoconcentration Map - Surficial Unit_Portrait.mxd



Checked By:	AS
Created By:	CW
Scale:	1 " = 150 FT
Date/Time:	10/29/2021; 12:27
Project No.:	CPC20126

Benzene Isoconcentration Map
Bedrock Unit
Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

0 150 300 Feet

Release Site
Pipeline
1 Benzene Isocontour (Dashed where Inferred)
Monitoring Well (Bedrock)

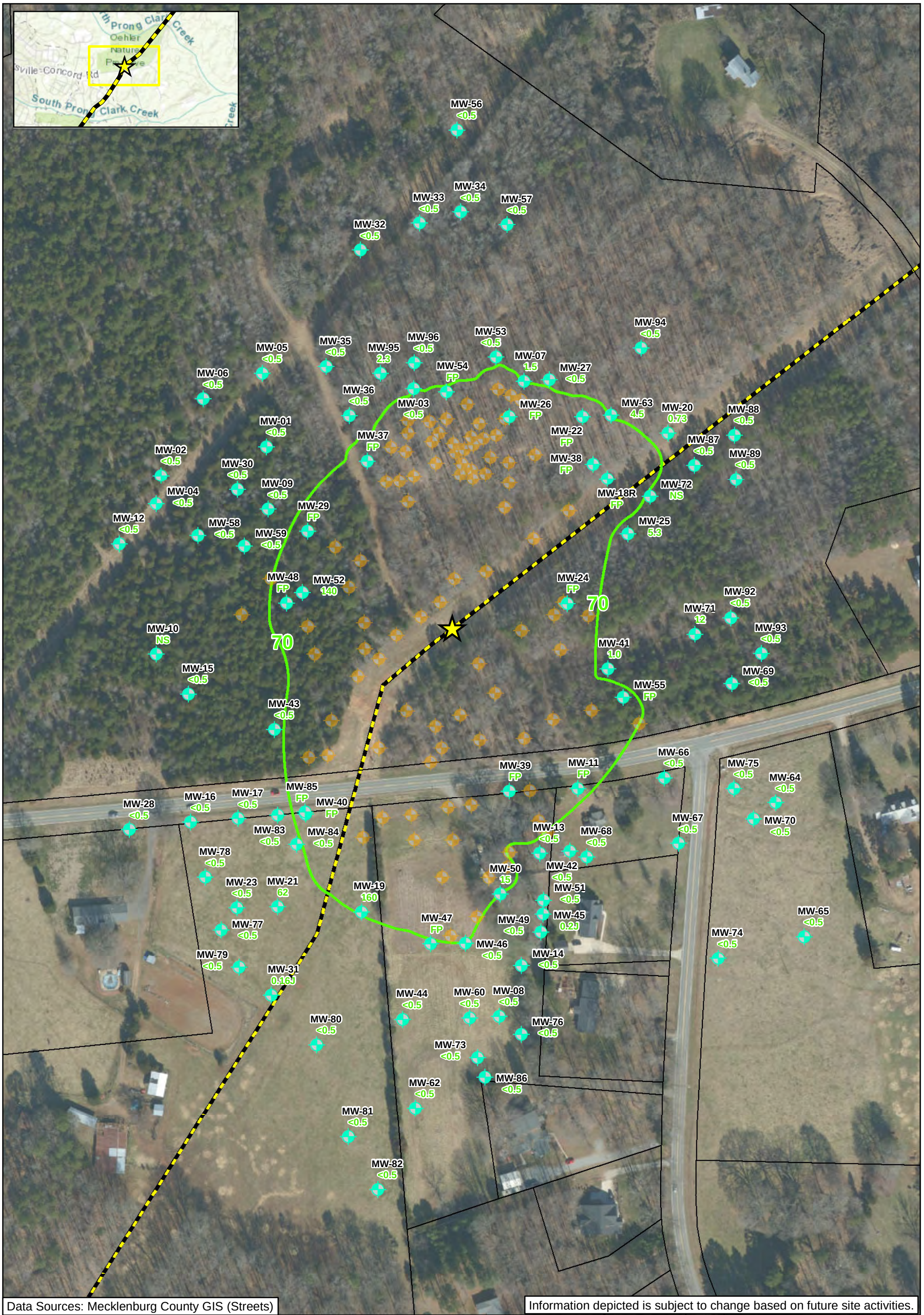
<0.5 Constituent Not Detected Above Laboratory Practical Quantitation Limit
1100 Benzene Concentration (µg/L)
FP = Free Product
NS = Not Sampled
NA = Not Applicable
µg/L = Micrograms per Liter

NCDEQ 2L Standard for Benzene is 1 µg/L
Surficial Wells Not Used For Contouring
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

APEX

FIGURE 9B

Document Path: E:\Apex\Huntersville\Figures\MXDs\Figure 9B-Benzene Isoconcentration Map - Bedrock Unit_Portrait.mxd



Data Sources: Mecklenburg County GIS (Streets)

Information depicted is subject to change based on future site activities.

Checked By:	AS
Created By:	CW
Scale:	1 " = 150 FT
Date/Time:	10/29/2021; 12:28
Project No.:	CPC20126

Diisopropyl Ether Isoconcentration Map
Surficial Unit
Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

0 150 300 Feet

- Release Site
- Pipeline
- 70 Diisopropyl Ether Isocontour
- Recovery Well
- Monitoring Well

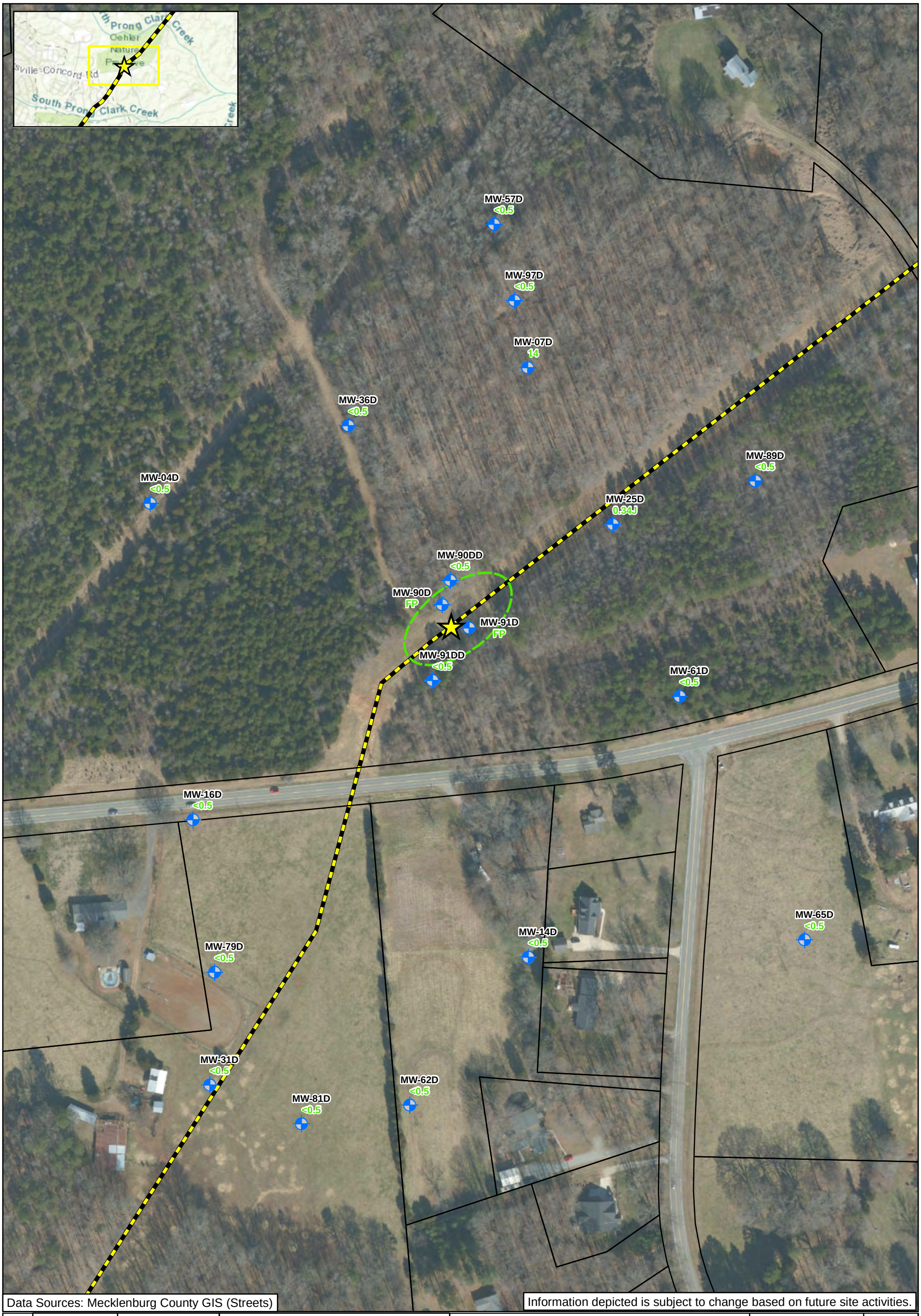
<0.5 Constituent Not Detected Above Laboratory Practical Quantitation Limit
140 Diisopropyl Ether Concentration (µg/L)
FP = Free Product
NS = Not Sampled
NA = Not Applicable
µg/L = Micrograms per Liter

NCDEQ 2L Standard for Diisopropyl Ether is 70 µg/L
Bedrock Wells Not Used For Contouring
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

APEX

FIGURE 10A

Document Path: E:\Apex\Huntersville\Figures\MXDs\Figure 10A-Diisopropyl Ether Isoconcentration Map - Surficial Unit_Portrait.mxd



Checked By:	AS
Created By:	CW
Scale:	1 " = 150 FT
Date/Time:	10/29/2021; 12:29
Project No.:	CPC20126

Diisopropyl Ether Isoconcentration Map
Bedrock Unit
Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

0 150 300 Feet

Release Site
Pipeline
70 Diisopropyl Ether Isocontour
Monitoring Well (Bedrock)

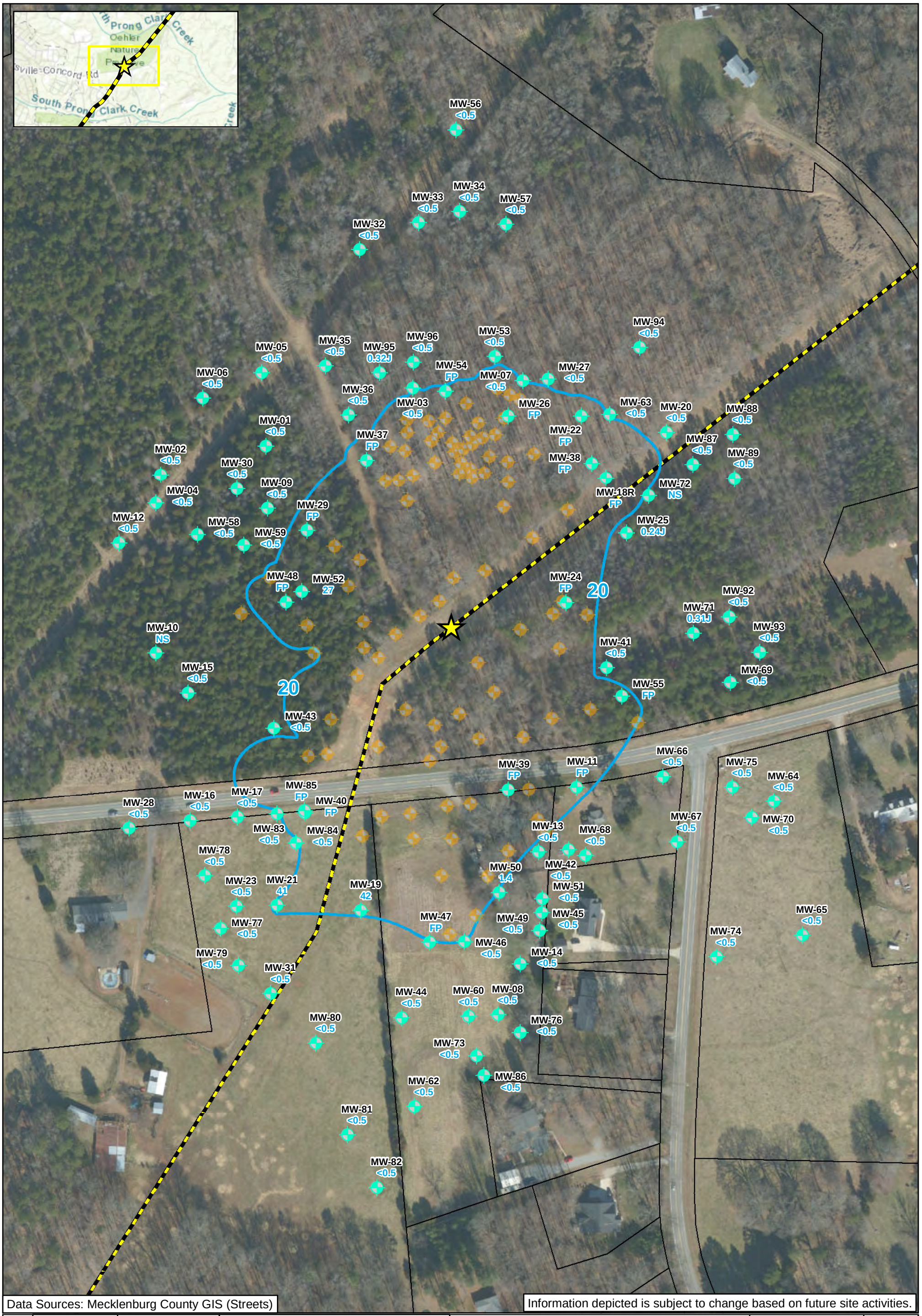
<0.5 Constituent Not Detected Above Laboratory Practical Quantitation Limit
140 Diisopropyl Ether Concentration (µg/L)
FP = Free Product
NS = Not Sampled
NA = Not Applicable
µg/L = Micrograms per Liter

NCDEQ 2L Standard for Diisopropyl Ether is 70 µg/L
Surficial Wells Not Used For Contouring
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

APEX

FIGURE
10B

Document Path: E:\Apex\Huntersville\Figures\MXDs\Figure 10B-Diisopropyl Ether Isoconcentration Map - Bedrock Unit_Portrait.mxd



Data Sources: Mecklenburg County GIS (Streets)

Information depicted is subject to change based on future site activities.

Checked By:	AS
Created By:	CW
Scale:	1 " = 150 FT
Date/Time:	10/29/2021; 12:30
Project No.:	CPC20126

Methyl-Tert Butyl Ether
Isoconcentration Map
Surficial Unit
Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

0 150 300 Feet

Release Site
Pipeline
20 Methyl-Tert Butyl Ether Isocontour
Recovery Well
Monitoring Well

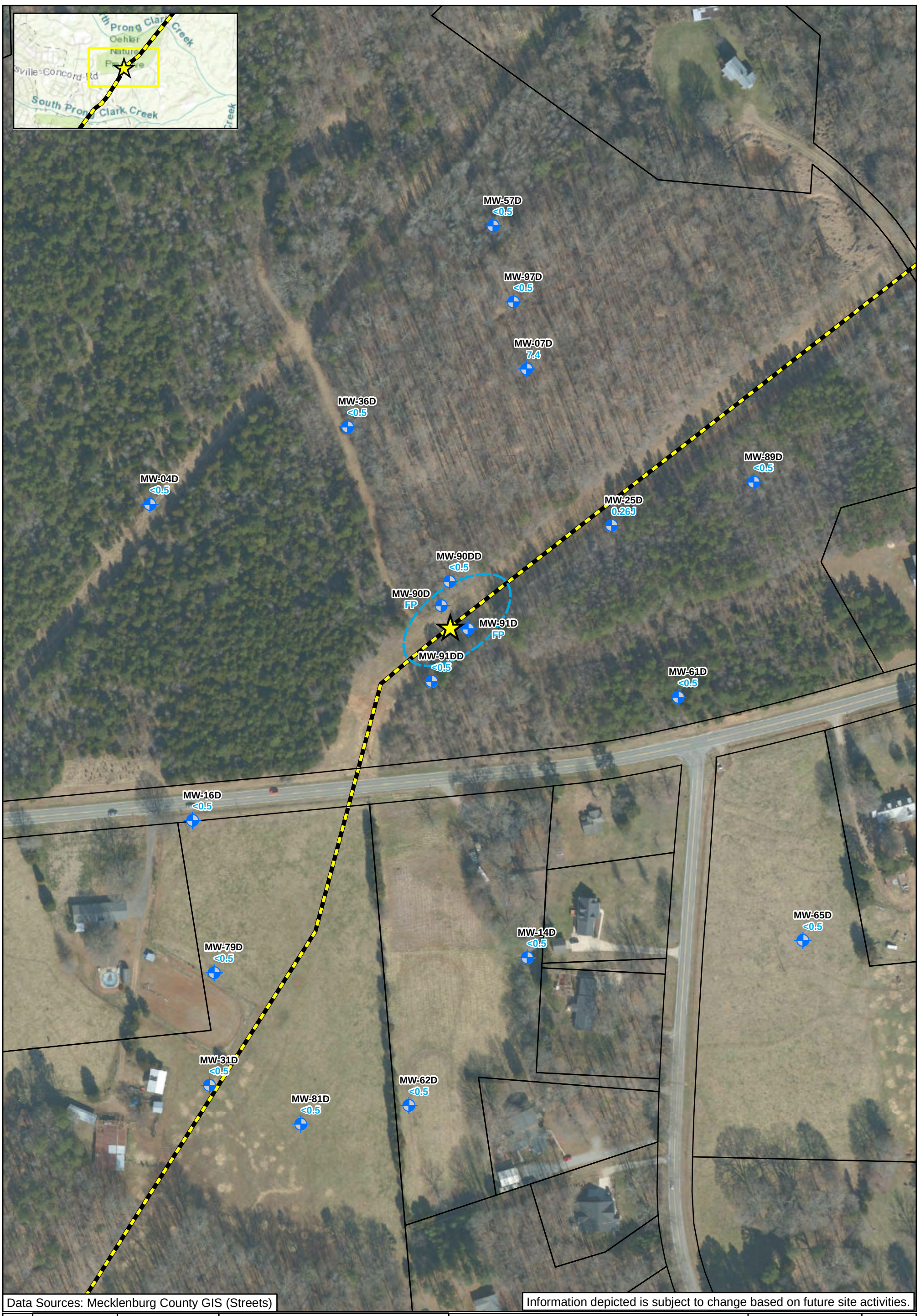
<0.5 Constituent Not Detected Above Laboratory Practical Quantitation Limit
27 Methyl-Tert Butyl Ether Concentration (µg/L)
FP = Free Product
NS = Not Sampled
NA = Not Applicable
µg/L = Micrograms per Liter

NCDEQ 2L Standard for Methyl-Tert Butyl Ether is 20 µg/L
Bedrock Wells Not Used For Contouring
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

APEX

FIGURE 11A

Document Path: E:\Apex\Huntersville\Figures\MXDs\Figure 11A-MTBE Isoconcentration Map - Surficial Unit_Portrait.mxd



Data Sources: Mecklenburg County GIS (Streets)

Information depicted is subject to change based on future site activities.

Checked By:	AS
Created By:	CW
Scale:	1 " = 150 FT
Date/Time:	10/29/2021; 12:31
Project No.:	CPC20126

Methyl-Tert Butyl Ether
Isoconcentration Map
Bedrock Unit
Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

0 150 300 Feet

Release Site

Pipeline

20 Methyl-Tert Butyl Ether Isocontour

Monitoring Well (Bedrock)

<0.5 Constituent Not Detected Above Laboratory Practical Quantitation Limit

27 Methyl-Tert Butyl Ether Concentration (µg/L)

FP = Free Product

NS = Not Sampled

NA = Not Applicable

µg/L = Micrograms per Liter

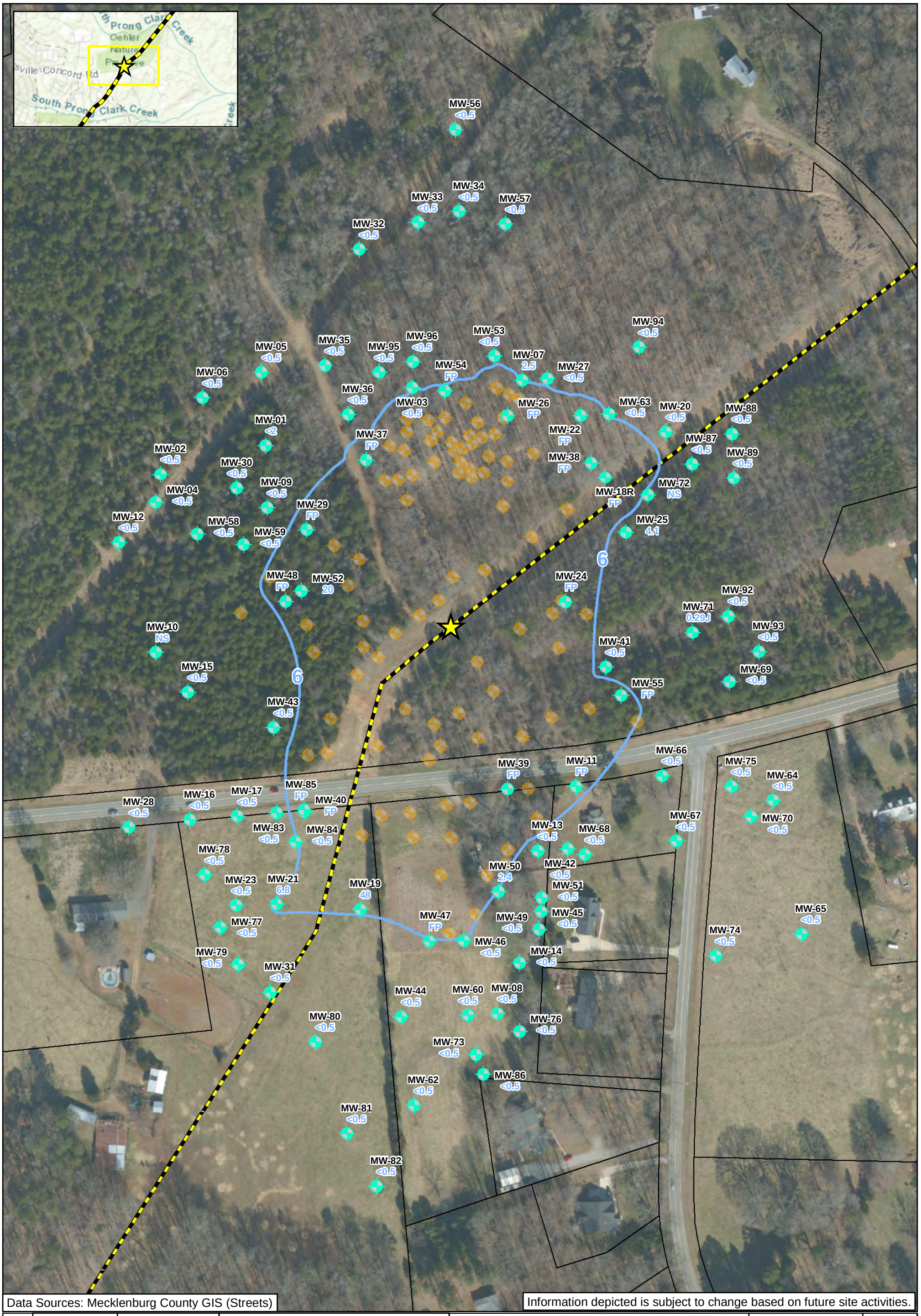
NCDEQ 2L Standard for Methyl-Tert Butyl Ether is 20 µg/L
Surficial Wells Not Used For Contouring
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

APEX

FIGURE

11B

Document Path: E:\Apex\Huntersville\Figures\MXDs\Figure 11B-MTBE Isoconcentration Map - Bedrock Unit_Portrait.mxd



Data Sources: Mecklenburg County GIS (Streets)

Information depicted is subject to change based on future site activities.

Checked By:	AS
Created By:	CW
Scale:	1 " = 150 FT
Date/Time:	10/29/2021; 12:32
Project No.:	CPC20126

Naphthalene Isoconcentration Map
Surficial Unit
Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

0 150 300 Feet

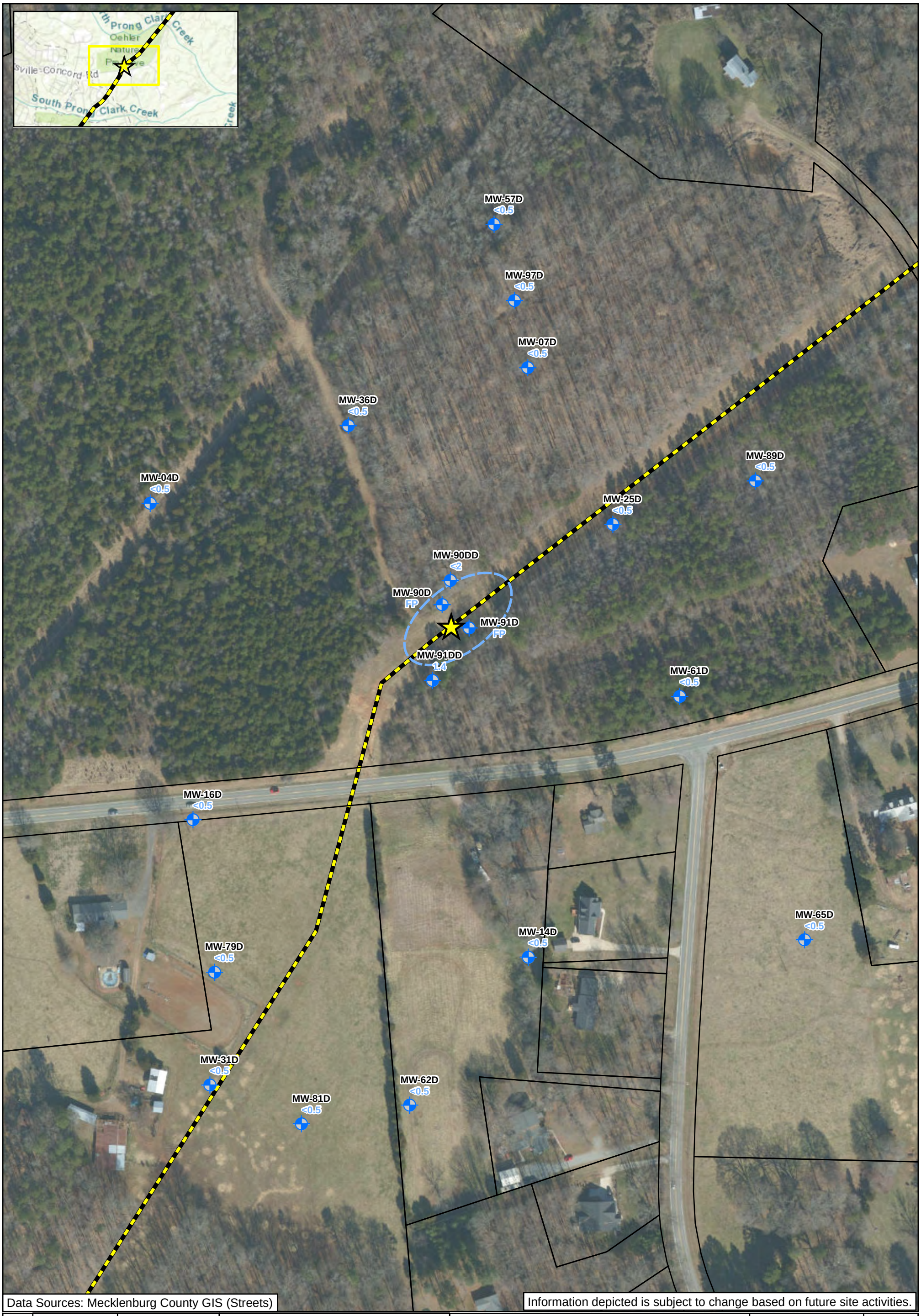
Release Site
Pipeline
6 Napthalene Isocontour
Recovery Well
Monitoring Well

<0.5 Constituent Not Detected Above Laboratory Practical Quantitation Limit
20 Naphthalene Concentration (µg/L)
FP = Free Product
NS = Not Sampled
NA = Not Applicable
µg/L = Micrograms per Liter
NCDEQ 2L Standard for Naphthalene is 6 µg/L
Bedrock Wells Not Used For Contouring

APEX

FIGURE 12A

Document Path: E:\Apex\Huntersville\Figures\MXDs\Figure 12A-Naphthalene Isoconcentration Map - Surficial Unit_Portrait.mxd



Checked By:	AS
Created By:	CW
Scale:	1 " = 150 FT
Date/Time:	10/29/2021; 12:33
Project No.:	CPC20126

Naphthalene Isoconcentration Map
Bedrock Unit
Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

0 150 300 Feet

Release Site
Pipeline
6 Napthalene Isocontour
Monitoring Well (Bedrock)

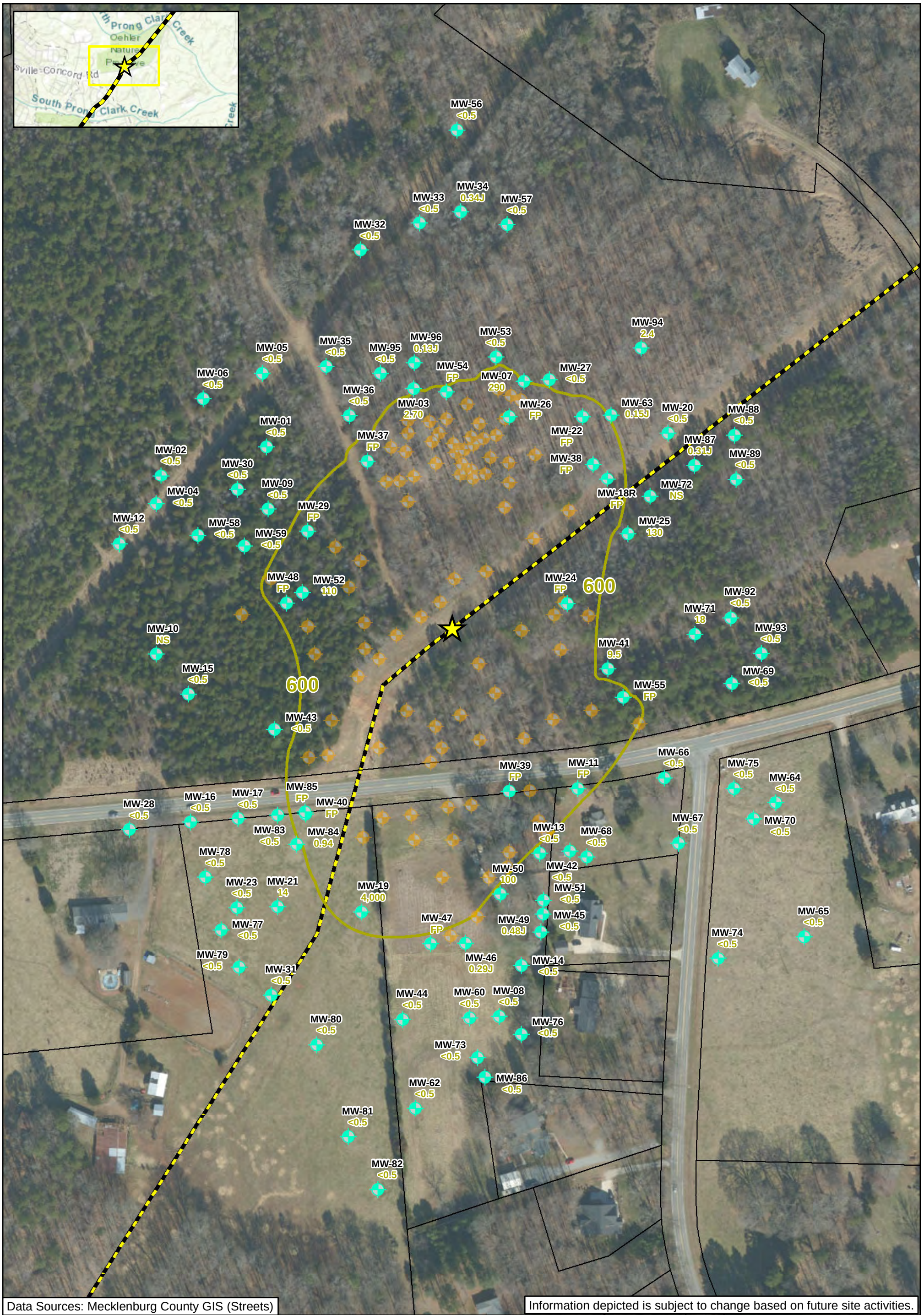
<0.5 Constituent Not Detected Above Laboratory Practical Quantitation Limit
20 Naphthalene Concentration (µg/L)
FP = Free Product
NS = Not Sampled
NA = Not Applicable
µg/L = Micrograms per Liter

NCDEQ 2L Standard for Naphthalene is 6 µg/L
Bedrock Wells Not Used For Contouring
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

APEX

FIGURE 12B

Document Path: E:\Apex\Huntersville\Figures\MXDs\Figure 12B-Naphthalene Isoconcentration Map - Bedrock Unit_Portrait.mxd



Data Sources: Mecklenburg County GIS (Streets)

Information depicted is subject to change based on future site activities.

Checked By:	AS
Created By:	CW
Scale:	1 " = 150 FT
Date/Time:	10/29/2021; 12:33
Project No.:	CPC20126

Toluene Isoconcentration Map
Surficial Unit
Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

0 150 300 Feet

Release Site
Pipeline
600 Toluene Isocontour
Recovery Well
Monitoring Well

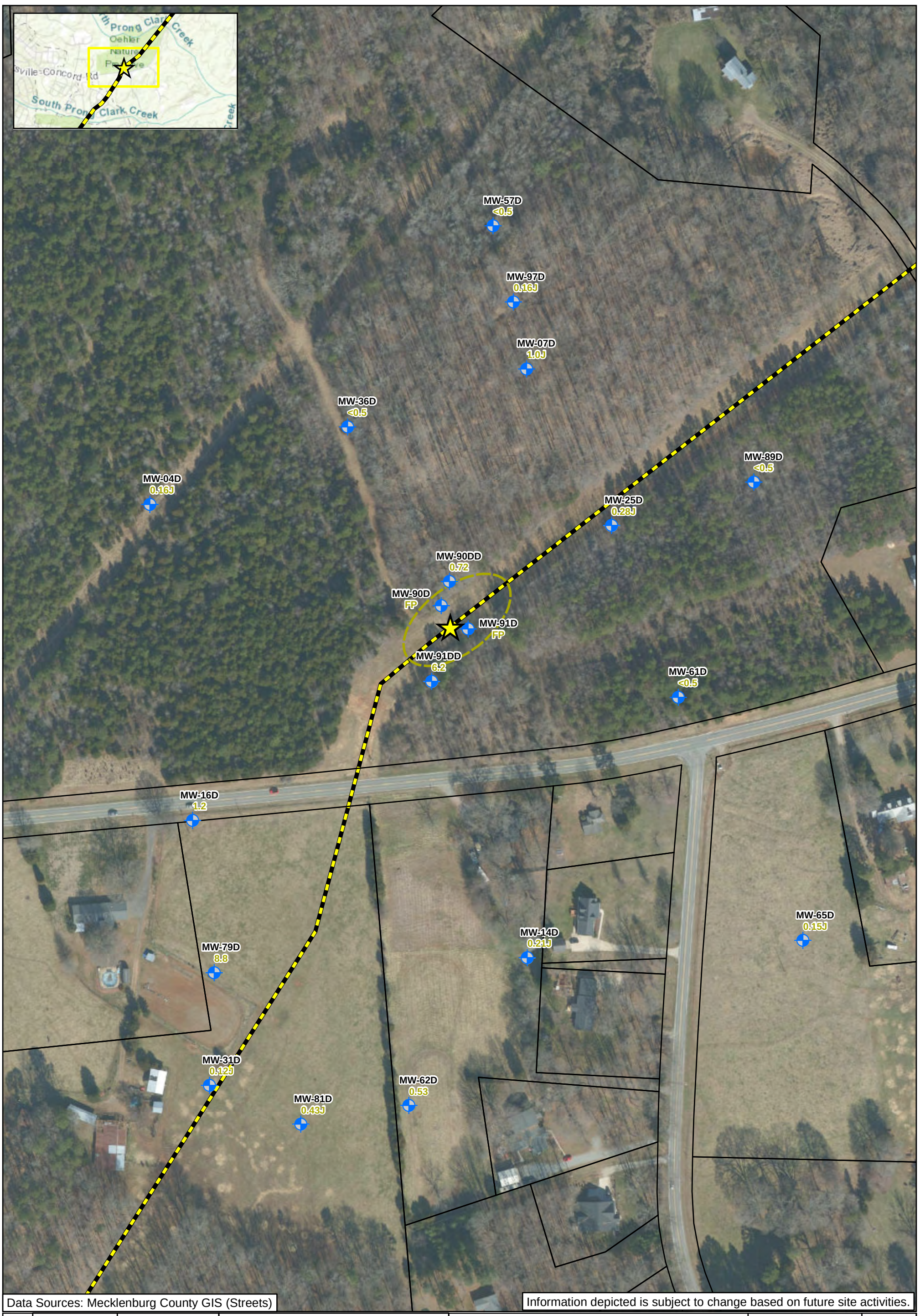
<0.5 Constituent Not Detected Above Laboratory Practical Quantitation Limit
110 Toluene Concentration (µg/L)
FP = Free Product
NS = Not Sampled
NA = Not Applicable
µg/L = Micrograms per Liter

NCDEQ 2L Standard for Toluene is 600 µg/L
Bedrock Wells Not Used For Contouring
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

APEX

FIGURE 13A

Document Path: E:\Apex\Huntersville\Figures\MXDs\Figure 13A-Toluene Isoconcentration Map - Surficial Unit_Portrait.mxd



Checked By:	AS
Created By:	CW
Scale:	1 " = 150 FT
Date/Time:	10/29/2021; 12:34
Project No.:	CPC20126

Toluene Isoconcentration Map
Bedrock Unit
Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

0 150 300 Feet

Release Site
Pipeline
600 Toluene Isocontour
Monitoring Well (Bedrock)

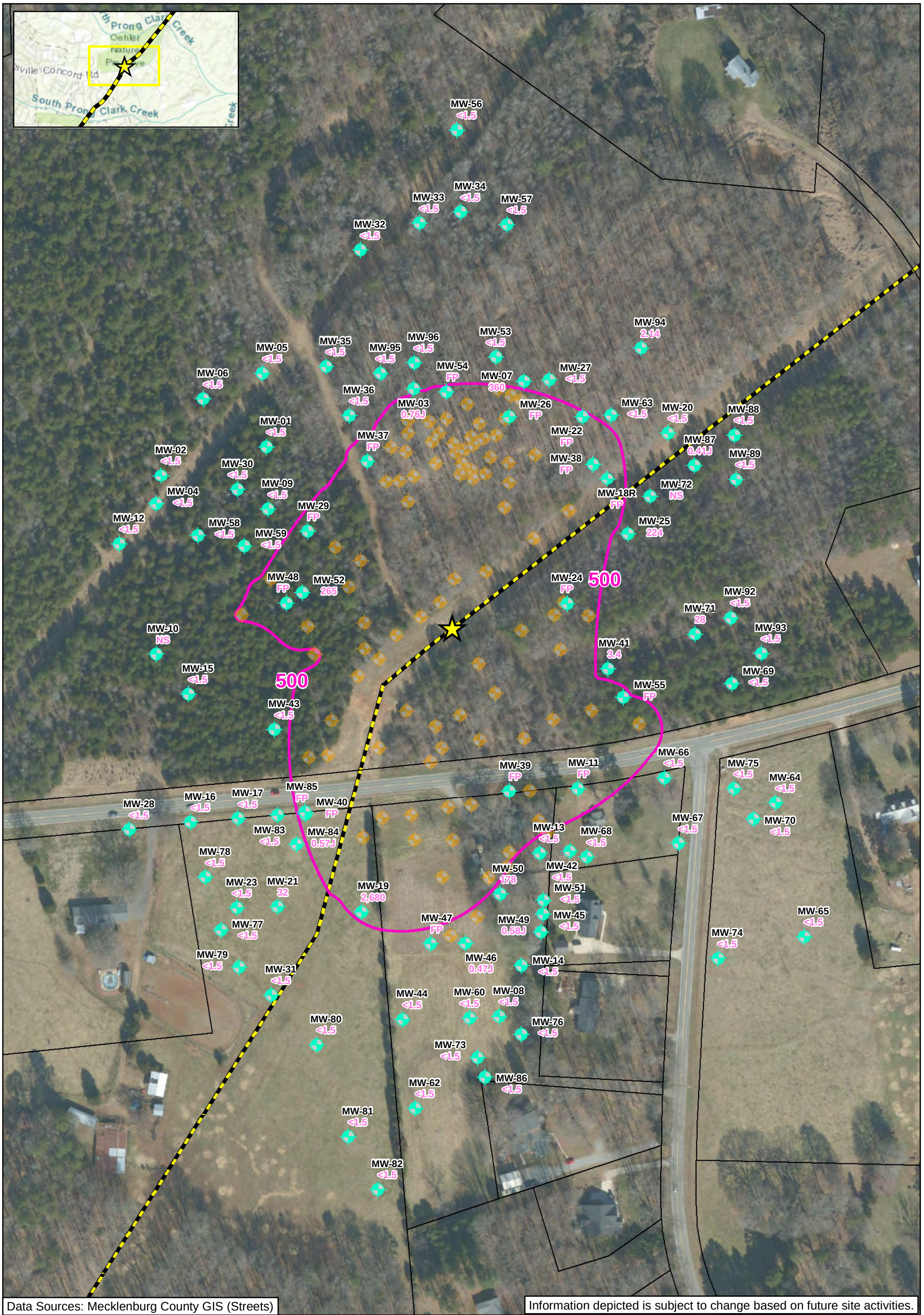
<0.5 Constituent Not Detected Above Laboratory Practical Quantitation Limit
110 Toluene Concentration (µg/L)
FP = Free Product
NS = Not Sampled
NA = Not Applicable
µg/L = Micrograms per Liter

NCDEQ 2L Standard for Toluene is 600 µg/L
Surficial Wells Not Used For Contouring
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

APEX

FIGURE
13B

Document Path: E:\Apex\Huntersville\Figures\MXDs\Figure 13B-Toluene Isoconcentration Map - Bedrock Unit_Portrait.mxd



Data Sources: Mecklenburg County GIS (Streets)

Information depicted is subject to change based on future site activities.

Checked By:	AS
Created By:	CW
Scale:	1 " = 150 FT
Date/Time:	10/29/2021; 12:35
Project No.:	CPC20126

Total Xylenes Isoconcentration Map
Surficial Unit
Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

0 150 300 Feet

Release Site
Pipeline
500 Total Xylenes Isocontour
Recovery Well
Monitoring Well

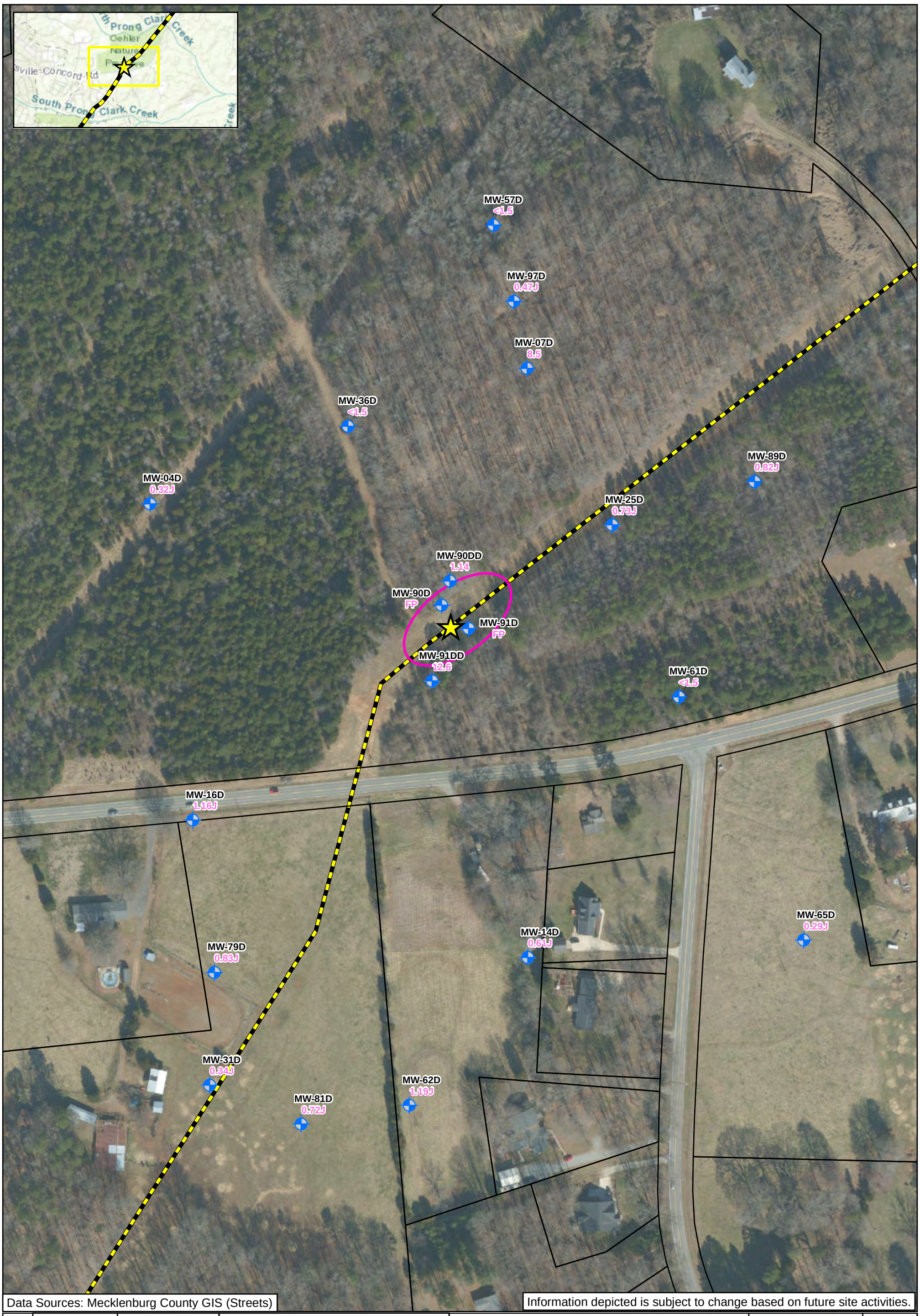
<0.5 Constituent Not Detected Above Laboratory Practical Quantitation Limit
265 Total Xylenes Concentration (µg/L)
FP = Free Product
NS = Not Sampled
NA = Not Applicable
µg/L = Micrograms per Liter

NCDEQ 2L Standard for Xylenes is 500 µg/L
Bedrock Wells Not Used For Contouring
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

APEX

FIGURE 14A

Document Path: E:\Apex\Huntersville\Figures\MXDs\Figure 14A-Total Xylenes Isoconcentration Map - Surficial Unit_Portrait.mxd



Checked By:	AS
Created By:	CW
Scale:	1 " = 150 FT
Date/Time:	10/29/2021; 12:36
Project No.:	CPC20126

Total Xylenes Isoconcentration Map
Bedrock Unit
Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

0 150 300 Feet

Release Site
Pipeline
−500− Total Xylenes Isocontour
Monitoring Well (Bedrock)

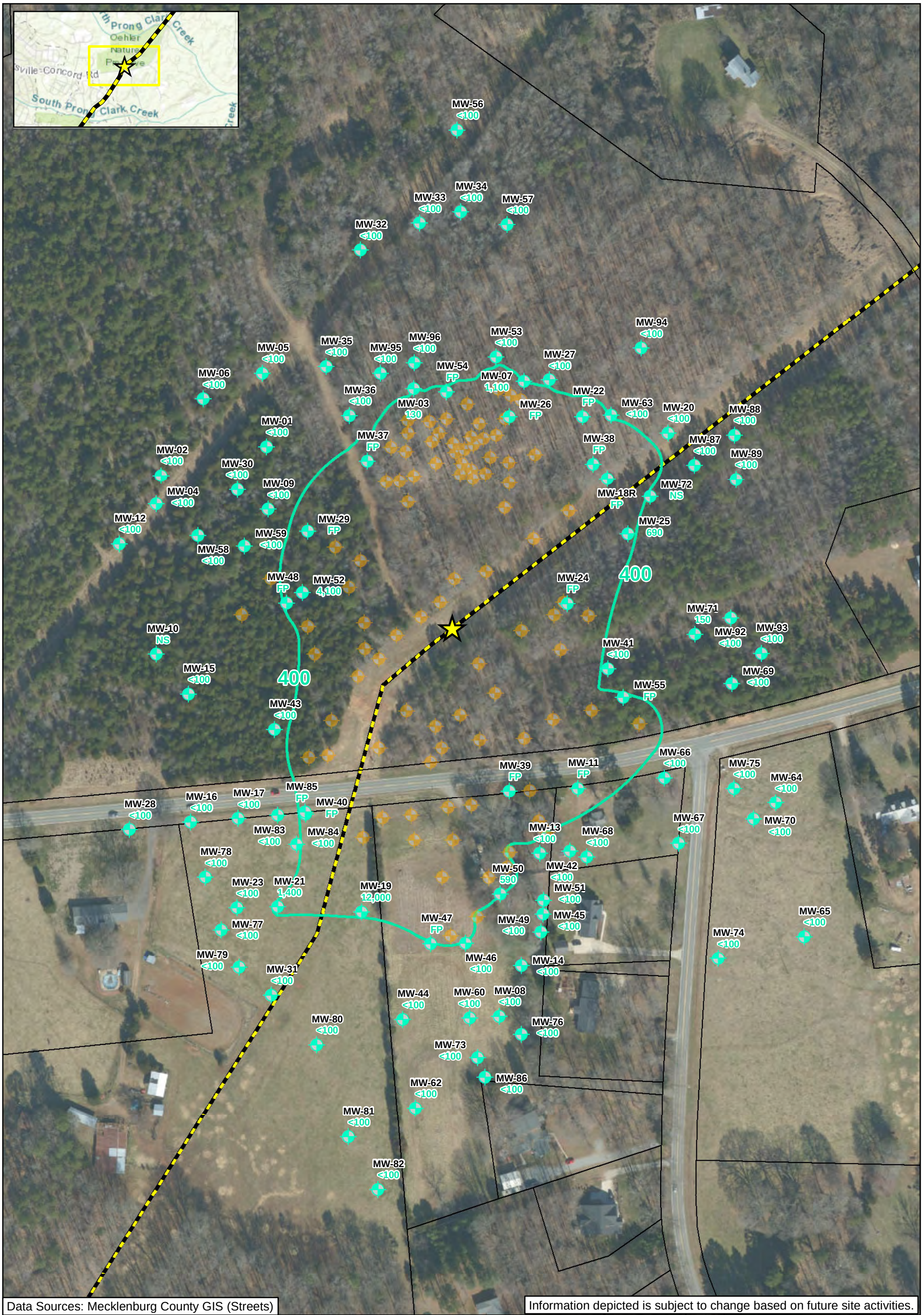
<0.5 Constituent Not Detected Above Laboratory Practical Quantitation Limit
265 Total Xylenes Concentration (µg/L)
FP = Free Product
NS = Not Sampled
NA = Not Applicable
µg/L = Micrograms per Liter

NCDEQ 2L Standard for Xylenes is 500 µg/L
Surficial Wells Not Used For Contouring
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

APEX

FIGURE
14B

Document Path: E:\Apex\Huntersville\Figures\MXDs\Figure 14B-Total Xylenes Isoconcentration Map - Bedrock Unit_Portrait.mxd



Data Sources: Mecklenburg County GIS (Streets)

Information depicted is subject to change based on future site activities.

Checked By:	AS
Created By:	CW
Scale:	1 " = 150 FT
Date/Time:	10/29/2021; 12:37
Project No.:	CPC20126

C5-C8 Aliphatics Isoconcentration Map
Surficial Unit
Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

0 150 300 Feet

- Release Site
- Pipeline
- 400 C5-C8 Aliphatics Isocontour (Dashed where Inferred)
- Recovery Well
- Monitoring Well

<0.5 Constituent Not Detected Above Laboratory Practical Quantitation Limit
4100 C5-C8 Aliphatics Concentration (µg/L)
FP = Free Product
NS = Not Sampled
NA = Not Applicable
µg/L = Micrograms per Liter

NCDEQ 2L Standard for C5-C8 Aliphatics is 400 µg/L
Bedrock Wells Not Used For Contouring
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

APEX

FIGURE 15A

Document Path: E:\Apex\Huntersville\Figures\MXDs\Figure 15A-C5-C8 Aliphatics Isoconcentration Map - Surficial Unit_Portrait.mxd



Data Sources: Mecklenburg County GIS (Streets)

Information depicted is subject to change based on future site activities.

Checked By:	AS
Created By:	CW
Scale:	1 " = 150 FT
Date/Time:	10/29/2021; 12:38
Project No.:	CPC20126

C5-C8 Aliphatics Isoconcentration Map
Bedrock Unit
Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

0 150 300 Feet

Release Site

Pipeline

−400− C5-C8 Aliphatics Isocontour (Dashed where Inferred)

Monitoring Well (Bedrock)

<0.5 Constituent Not Detected Above Laboratory Practical Quantitation Limit

4100 C5-C8 Aliphatics Concentration (µg/L)

FP = Free Product

NS = Not Sampled

NA = Not Applicable

µg/L = Micrograms per Liter

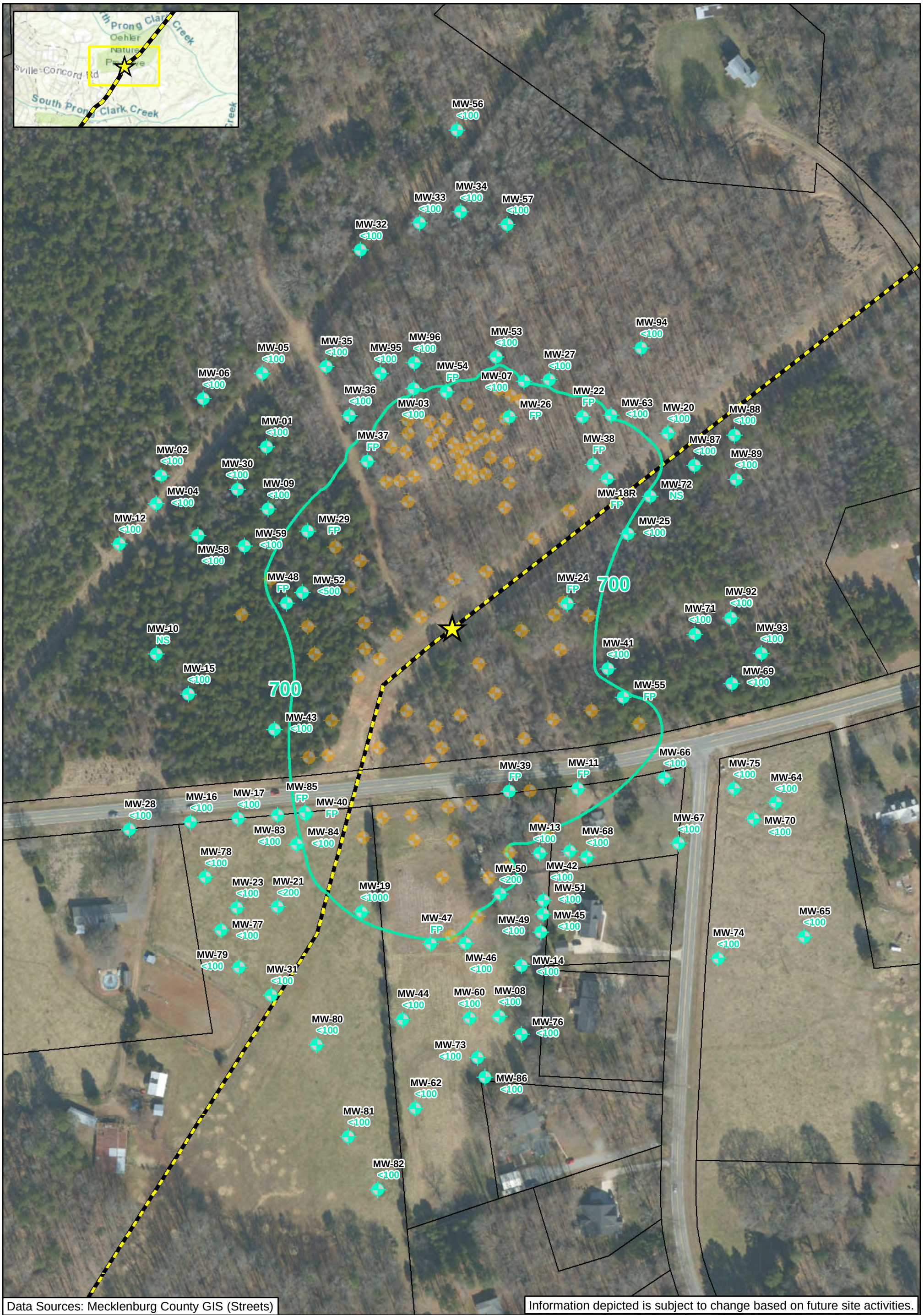
NCDEQ 2L Standard for C5-C8 Aliphatics is 400 µg/L
Surficial Wells Not Used For Contouring
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

APEX

FIGURE

15B

Document Path: E:\Apex\Huntersville\Figures\MXDs\Figure 15B-C5-C8 Aliphatics Isoconcentration Map - Bedrock Unit_Portrait.mxd



Data Sources: Mecklenburg County GIS (Streets)

Information depicted is subject to change based on future site activities.

Checked By:	AS
Created By:	CW
Scale:	1 " = 150 FT
Date/Time:	10/29/2021; 12:39
Project No.:	CPC20126

C9-C12 Aliphatics Isoconcentration Map
Surficial Unit
Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

0 150 300 Feet

Release Site
Pipeline
700 C9-C12 Aliphatics Isocontour (Dashed where Inferred)
Recovery Well
Monitoring Well

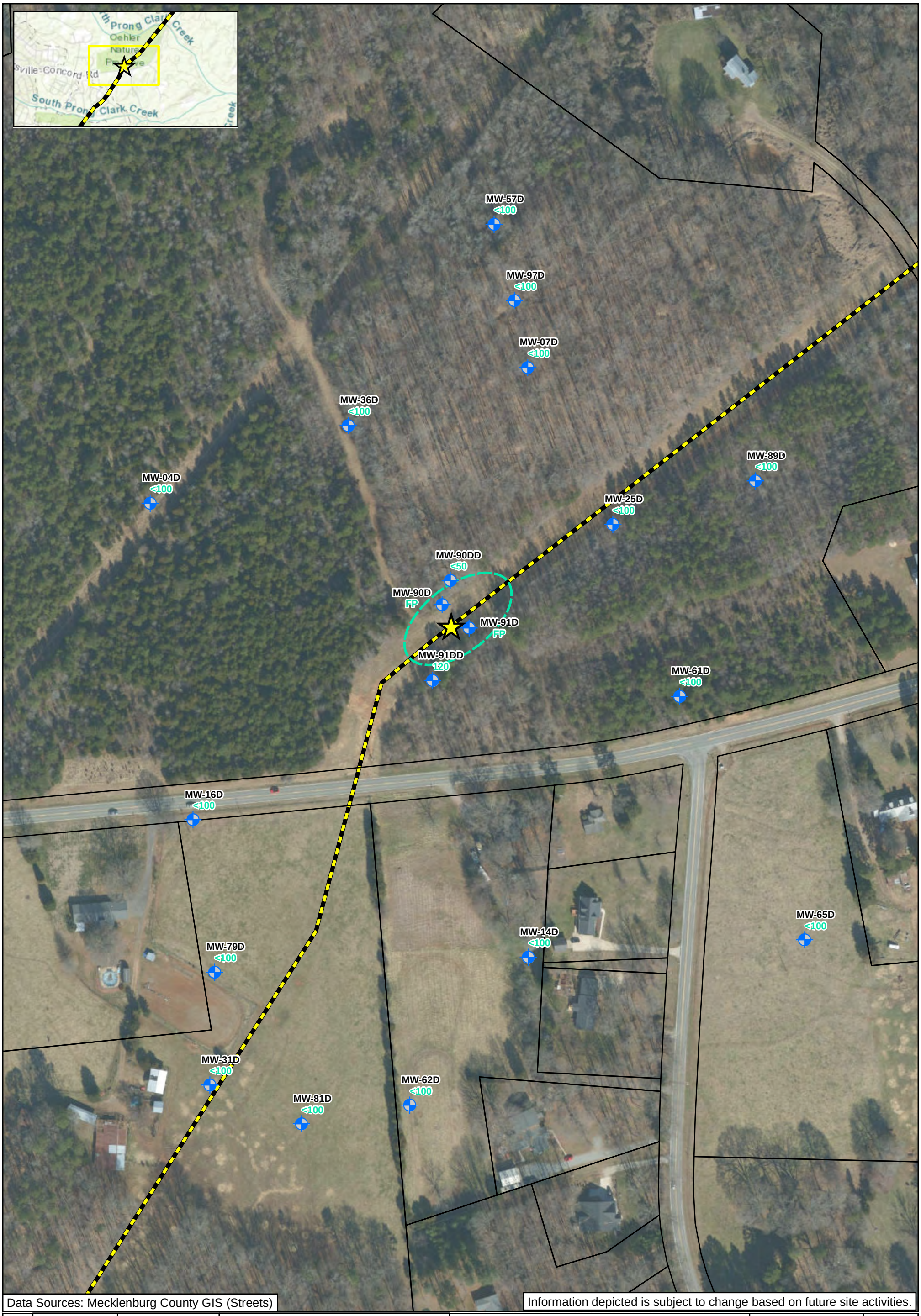
<0.5 Constituent Not Detected Above Laboratory Practical Quantitation Limit
3360 C9-C12 Aliphatics Concentration (µg/L)
FP = Free Product
NS = Not Sampled
NA = Not Applicable
µg/L = Micrograms per Liter

NCDEQ 2L Standard for C9-C12 Aliphatics is 700 µg/L
Bedrock Wells Not Used For Contouring
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

APEX

FIGURE 16A

Document Path: E:\Apex\Huntersville\Figures\MXDs\Figure 16A-C9-C12 Aliphatics Isoconcentration Map - Surficial Unit_Portrait.mxd



Checked By:	AS
Created By:	CW
Scale:	1 " = 150 FT
Date/Time:	10/29/2021; 12:40
Project No.:	CPC20126

C9-C12 Aliphatics Isoconcentration Map
Bedrock Unit
Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

0 150 300 Feet

Release Site
Pipeline
700 C9-C12 Aliphatics Isocontour (Dashed where Inferred)
Monitoring Well (Bedrock)

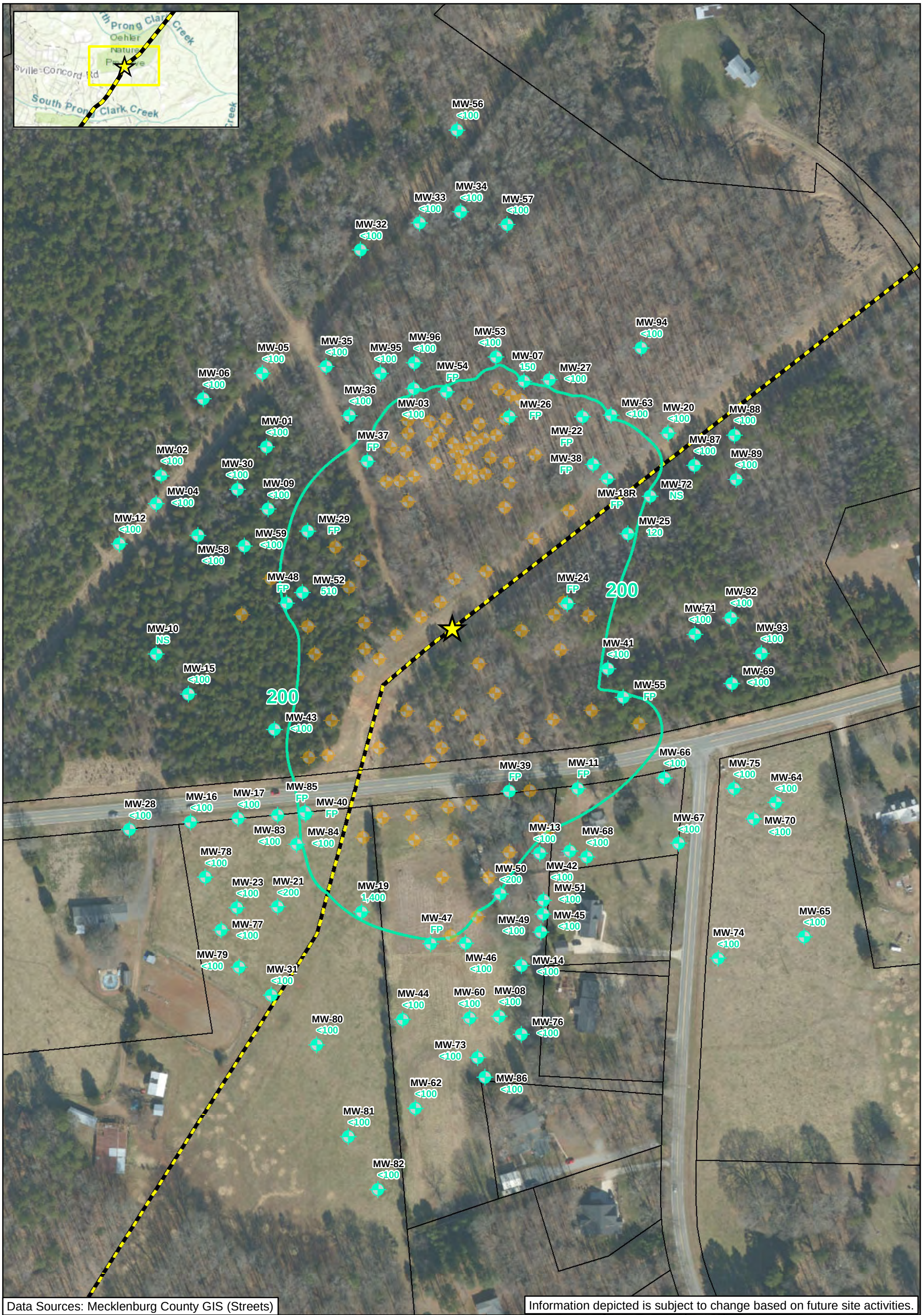
<0.5 Constituent Not Detected Above Laboratory Practical Quantitation Limit
3360 C9-C12 Aliphatics Concentration (µg/L)
FP = Free Product
NS = Not Sampled
NA = Not Applicable
µg/L = Micrograms per Liter

NCDEQ 2L Standard for C9-C12 Aliphatics is 700 µg/L
Bedrock Wells Not Used For Contouring
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

APEX

FIGURE
16B

Document Path: E:\Apex\Huntersville\Figures\MXDs\Figure 16B-C9-C12 Aliphatics Isoconcentration Map - Bedrock Unit_Portrait.mxd



Data Sources: Mecklenburg County GIS (Streets)

Information depicted is subject to change based on future site activities.

Checked By:	AS
Created By:	CW
Scale:	1 " = 150 FT
Date/Time:	10/29/2021; 12:41
Project No.:	CPC20126

C9-C10 Aromatics Isoconcentration Map
Surficial Unit
Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

0 150 300 Feet

- Release Site
- Pipeline
- 200 — C9-C10 Aromatics Isocontour (Dashed where Inferred)
- Recovery Well
- Monitoring Well

<0.5 Constituent Not Detected Above Laboratory Practical Quantitation Limit
3360 C9-C10 Aromatics Concentration (µg/L)
FP = Free Product
NS = Not Sampled
NA = Not Applicable
µg/L = Micrograms per Liter

NCDEQ 2L Standard for C9-C10 Aromatics is 200 µg/L
Bedrock Wells Not Used For Contouring
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

APEX

FIGURE 17A

Document Path: E:\Apex\Huntersville\Figures\MXDs\Figure 17A-C9-C10 Aromatics Isoconcentration Map - Surficial Unit_Portait.mxd



Checked By:	AS
Created By:	CW
Scale:	1 " = 150 FT
Date/Time:	10/29/2021; 12:42
Project No.:	CPC20126

C9-C10 Aromatics Isoconcentration Map
Bedrock Unit
Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

0 150 300 Feet

Release Site
Pipeline
200 C9-C10 Aromatics Isocontour (Dashed where Inferred)
Monitoring Well (Bedrock)

<0.5 Constituent Not Detected Above Laboratory Practical Quantitation Limit
3360 C9-C10 Aromatics Concentration (µg/L)
FP = Free Product
NS = Not Sampled
NA = Not Applicable
µg/L = Micrograms per Liter

NCDEQ 2L Standard for C9-C10 Aromatics is 200 µg/L
Bedrock Wells Not Used For Contouring
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

APEX

FIGURE
17B

Document Path: E:\Apex\Huntersville\Figures\MXDs\Figure 17B-C9-C10 Aromatics Isoconcentration Map - Bedrock Unit_Portait.mxd

13800_HC_RD_20200827		13800_HC_RD_20210126	
Lead	109	Lead	16.9
13800_HC_RD_20200902		**13800_HC_RD_20210209**	
Lead	169	Lead	5.1
13800_HC_RD_20200910		**13800_HC_RD_20210316**	
Lead	55.2	Lead	12.1
13800_HC_RD_2020916		**13800_HC_RD_20210518**	
Lead	67	Lead	6.3
13800_HC_RD_20200924		**13800_HC_RD_20210629**	
Lead	23	Lead	50.5
13800_HC_RD_20201001		**13800_HC_RD_20210706**	
Lead	6.5	Lead	5.0J
13800_HC_RD_20201112		**13800_HC_RD_20210810**	
Lead	5.4	Lead	10.4
13800_HC_RD_20201119		**13800_HC_RD_20210817**	
Lead	5.7	Lead	11.2
13800_HC_RD_20201201			
Lead	7.8		

13712_LAWTHER_RD_20210302	
Lead	38.2

14401_HC_RD_20201201	
Lead	5.8
14401_HC_RD_20200302	
Lead	10.4
14401_HC_RD_20200323	
Lead	5.5
14401_HC_RD_20200413	
Lead	20.4
14401_HC_RD_20200504	
Lead	5.1
14401_HC_RD_20211012	
Lead	75.3

14226_HC_RD_20201001	
Lead	6.1
14226_HC_RD_20200608	
Chloroform	0.57
14226_HC_RD_20200622	
Chloroform	0.35J
14226_HC_RD_20200810	
Lead	8.8
14226_HC_RD_20200831	
Chloroform	0.4J
14226_HC_RD_20210921	
Chloroform	0.143J
14226_HC_RD_20210928	
Chloroform	0.313J
14226_HC_RD_20211012	
Lead	6.3

13835_AC_RD_20200916		13835_AC_RD_20210629	
Bromodichloro-methane	1.7	Chloroform	0.76
Chloroform	7.4	**13835_AC_RD_20210706**	
13835_AC_RD_20200924		Chloroform	0.99
Lead	16.1	**13835_AC_RD_20210713**	
13835_AC_RD_20201026		Chloroform	0.8
Lead	15.4	**13835_AC_RD_20210720**	
13835_AC_RD_20210209		Chloroform	0.73
Lead	15.1	**13835_AC_RD_20210803**	
13835_AC_RD_20210223		Chloroform	0.96
Chloroform	0.57	**13835_AC_RD_20210810**	
13835_AC_RD_20210302		Chloroform	0.5
Chloroform	0.5	**13835_AC_RD_20210817**	
13835_AC_RD_20210309		Chloroform	0.43J
Lead	13.5	**13835_AC_RD_20210831**	
Chloroform	0.54	Chloroform	0.94
13835_AC_RD_20210406		**13835_AC_RD_20210907**	
Chloroform	0.52	Chloroform	7.5
13835_AC_RD_20210504		Lead	0.72
Chloroform	0.65	**13835_AC_RD_20210914**	
13835_AC_RD_20210511		Chloroform	0.88
Chloroform	0.67	**13835_AC_RD_20210921**	
13835_AC_RD_20210518		Chloroform	0.829J
Chloroform	0.89	**13835_AC_RD_20210928**	
13835_AC_RD_20210525		Lead	6.1
Chloroform	0.74	Chloroform	0.774J
13835_AC_RD_202105601		**13835_AC_RD_20211005**	
Chloroform	0.9	Chloroform	0.61
13835_AC_RD_20210608		**13835_AC_RD_20211012**	
Lead	4.7	Chloroform	0.37J
Chloroform	0.88	**13835_AC_RD_20211019**	
13835_AC_RD_20210615		Chloroform	0.65
Chloroform	0.91	Lead	9.9
13835_AC_RD_20210622			
Chloroform	0.84		
Lead	7.5		

1500 FT

500 FT

Data Sources: Mecklenburg County (Parcels, Streets, Zoning, Private Wells)

Information depicted is subject to change based on future site activites.

Checked By:	JM
Created By:	CW
Scale:	1 " = 550 FT
Created On:	10/30/2021; 11:33
Project No.:	CPC20126

Water Supply Well Sampling Results (Detections Only)

Colonial Pipeline Company

2020-L1-SR2448

Huntersville, North Carolina

0 550 1,100 1,650 Feet

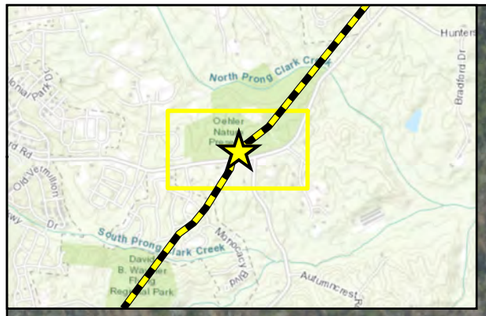
Sampled Water Supply Wells:

- Release Site
- Parcel Boundaries
- Non-Potable Use Well
- Potable Use Well
- Inactive Use Well
- Abandoned Well

Note:
Well locations are approximated and sampling commenced once access was allowed.

APEX

FIGURE 18



SVP-20

DEQ Risk Calculator Site Release Results (SVP-20)			
Calculated Carcinogenic Risk		Calculated Non-Carcinogenic Hazard Quotient	
9/22/2021	8.4E-08	*9/22/2021*	4.9E-02

DEQ Risk Calculator Site Release Results (SVP-17)			
Calculated Carcinogenic Risk		Calculated Non-Carcinogenic Hazard Quotient	
9/22/2021	5.0E-08	*9/22/2021*	4.3E+00

SVP-17

SVP-22

DEQ Risk Calculator Site Release Results (SVP-22)			
Calculated Carcinogenic Risk		Calculated Non-Carcinogenic Hazard Quotient	
10/15/2021	1.4E-06	*10/15/2021*	1.2E-01

DEQ Risk Calculator Site Release Results (SVP-19)			
Calculated Carcinogenic Risk		Calculated Non-Carcinogenic Hazard Quotient	
9/22/2021	4.0E-07	*9/22/2021*	9.0E-02

SVP-19

SVP-18

HUNTERSVILLE-CONCORD RD

SVP-02

SVP-01

SVP-03

SVP-13

SVP-04

DEQ Risk Calculator Site Release Results (SVP-18)			
Calculated Carcinogenic Risk		Calculated Non-Carcinogenic Hazard Quotient	
9/22/2021	4.3E-07	*9/22/2021*	9.0E-02

SVP-14

SVP-12

SVP-05

SIMS RD

SVP-11

SVP-Ambient

SVP-06

SVP-16

DEQ Risk Calculator Site Release Results (SVP-16)			
Calculated Carcinogenic Risk		Calculated Non-Carcinogenic Hazard Quotient	
9/22/2021	1.7E-07	*9/22/2021*	3.4E-01

SVP-15

SVP-10

SVP-07

SVP-08

SVP-09

LAWTHER RD

ASBURY CHAPEL RD

DEQ Risk Calculator Site Release Results (SVP-21, DUP-2)			
Calculated Carcinogenic Risk		Calculated Non-Carcinogenic Hazard Quotient	
9/22/2021	4.9E-07	*9/22/2021*	1.4E-01

SVP-21

Data Sources: Mecklenburg County GIS (Streets), US Geological Survey (Elevation Products)

Checked By:	AS
Created By:	CW
Scale:	1 " = 200 FT
Date/Time:	10/29/2021; 16:48
Project No.:	CPC20126

Utility Corridor and Soil Vapor System Layout

Colonial Pipeline Company

2020-L1-SR2448

Huntersville, North Carolina

0 200 400 600 Feet

Release Site

Soil Vapor Monitoring Point

Pipeline

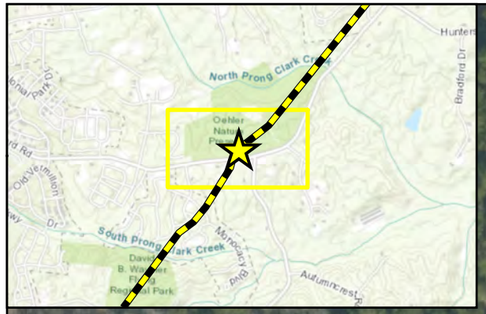
Risk Calculator Areas

Note: Risk entries were provided from Pace, except those denoted in (E) which was done by Eurofins
Risk estimates associated with the site release are depicted on this figure.
Refer to Appendix O, Table 1 for a summary of the site release, background and cumulative risk estimates

APEX

FIGURE

19



HUNTERSVILLE-CONCORD RD

CHAPEL RD

DEQ Risk Calculator Site Release Results (SVP-14 and SVP-15)

Calculated Carcinogenic Risk		Calculated Non-Carcinogenic Hazard Quotient	
5/20/2021 (E)	2.0E-07	*5/20/2021 (E)*	2.0E-02
6/2/2021	1.3E-07	*6/2/2021*	4.9E-01
6/8/2021	2.0E-06	*6/8/2021*	1.2E+00
7/14/2021	0.0E+00	*7/14/2021*	3.2E-01
8/11/2021	3.6E-07	*8/11/2021*	1.4E-01
8/25/2021	6.3E-07	*8/25/2021*	1.9E-01
9/1/2021	3.6E-07	*9/1/2021*	2.8E-02
9/10/2021	6.8E-07	*9/10/2021*	1.7E-01
9/15/2021	5.3E-07	*9/15/2021*	9.7E-02
9/22/2021	1.1E-07	*9/22/2021*	4.0E-01
9/29/2021	1.5E-06	*9/29/2021*	9.4E-01

DEQ Risk Calculator Site Release Results (SVP-07 to SVP-09)

Calculated Carcinogenic Risk		Calculated Non-Carcinogenic Hazard Quotient	
3/9/2021 (E)	4.5E-07	*3/9/2021 (E)*	1.4E-02
4/8/2021 (E)	1.2E-07	*4/8/2021 (E)*	1.4E-01
5/4/2021 (E)	0.0E+00	*5/4/2021 (E)*	1.2E-01
5/20/2021 (E)	0.0E+00	*5/20/2021 (E)*	4.1E-03
6/2/2021	1.0E-08	*6/2/2021*	3.0E-01
6/8/2021	9.6E-06	*6/8/2021*	3.8E+00
7/14/2021	4.7E-07	*7/14/2021*	4.9E-01
8/11/2021	4.9E-07	*8/11/2021*	1.0E-01
8/25/2021	8.3E-07	*8/25/2021*	2.6E-01
9/1/2021	4.2E-07	*9/1/2021*	5.1E-01
9/10/2021	6.0E-07	*9/10/2021*	1.3E-01
9/15/2021	5.6E-07	*9/15/2021*	1.6E-01
9/22/2021	4.0E-07	*9/22/2021*	9.4E-02
9/29/2021	6.7E-08	*9/29/2021*	5.4E-02

DEQ Risk Calculator Site Release Results (SVP-05)

Calculated Carcinogenic Risk		Calculated Non-Carcinogenic Hazard Quotient	
3/9/2021 (E)	0.0E+00	*3/9/2021 (E)*	9.6E-03
4/8/2021 (E)	8.0E-08	*4/8/2021 (E)*	1.0E-02
5/4/2021 (E)	0.0E+00	*5/4/2021 (E)*	1.5E-02
5/20/2021	3.2E-08	*5/20/2021*	2.2E-01
5/20/2021 (E)	0.0E+00	*5/20/2021 (E)*	1.1E-03
6/2/2021	7.5E-09	*6/2/2021*	5.7E-02
6/8/2021	1.6E-08	*6/8/2021*	7.3E-02
7/14/2021	5.2E-07	*7/14/2021*	6.3E-04
8/11/2021	0.0E+00	*8/11/2021*	8.6E-02
8/25/2021	1.4E-05	*8/25/2021*	3.7E+00
9/1/2021	3.5E-07	*9/1/2021*	1.8E-02
9/10/2021	5.3E-07	*9/10/2021*	1.8E-01
9/15/2021	7.0E-08	*9/15/2021*	7.8E-02
9/22/2021	3.9E-07	*9/22/2021*	7.7E-02
9/29/2021	8.0E-08	*9/29/2021*	5.4E-02

DEQ Risk Calculator Site Release Results (SVP-01 to SVP-04, DUP-1)

Calculated Carcinogenic Risk		Calculated Non-Carcinogenic Hazard Quotient	
12/15/2020	1.0E-07	*12/15/2020*	1.7E-03
1/7/2021 (E)	1.1E-08	*1/7/2021 (E)*	9.2E-02
2/12/2021 (E)	0.0E+00	*2/12/2021 (E)*	8.2E-01
3/9/2021 (E)	0.0E+00	*3/9/2021 (E)*	8.3E-02
4/8/2021 (E)	7.7E-08	*4/8/2021 (E)*	8.3E-02
5/4/2021 (E)	0.0E+00	*5/4/2021 (E)*	1.6E-01
5/20/2021	3.3E-07	*5/20/2021*	3.5E-01
5/20/2021 (E)	0.0E+00	*5/20/2021 (E)*	1.5E-01
6/2/2021	7.2E-07	*6/2/2021*	1.5E-01
6/8/2021	4.1E-07	*6/8/2021*	4.0E-01
7/14/2021	0.0E+00	*7/14/2021*	1.0E-01
8/11/2021	6.3E-07	*8/11/2021*	1.2E-01
8/25/2021	1.1E-06	*8/25/2021*	4.2E-01
9/1/2021	5.5E-07	*9/1/2021*	1.9E-01
9/10/2021	3.6E-06	*9/10/2021*	2.6E-01
9/15/2021	3.8E-07	*9/15/2021*	1.4E-01
9/22/2021	5.5E-07	*9/22/2021*	1.9E-01
9/29/2021	1.9E-07	*9/29/2021*	5.6E-02

DEQ Risk Calculator Site Release Results (SVP-06)

Calculated Carcinogenic Risk		Calculated Non-Carcinogenic Hazard Quotient	
3/9/2021 (E)	3.6E-07	*3/9/2021 (E)*	2.4E-01
4/8/2021 (E)	4.2E-08	*4/8/2021 (E)*	2.8E-02
5/4/2021 (E)	0.0E+00	*5/4/2021 (E)*	8.3E-02
5/20/2021 (E)	0.0E+00	*5/20/2021 (E)*	6.8E-03
6/2/2021	9.1E-09	*6/2/2021*	2.0E-01
6/8/2021	1.2E-07	*6/8/2021*	2.7E-01
7/14/2021	0.0E+00	*7/14/2021*	1.3E-01
8/11/2021	5.3E-08	*8/11/2021*	1.4E-01
8/25/2021	3.9E-07	*8/25/2021*	2.4E-01
9/1/2021	8.6E-07	*9/1/2021*	1.6E-01
9/10/2021	3.9E-07	*9/10/2021*	1.3E-01
9/15/2021	4.5E-08	*9/15/2021*	1.3E-01
9/22/2021	5.0E-07	*9/22/2021*	1.3E-01
9/29/2021	1.1E-07	*9/29/2021*	6.8E-02

Data Sources: Mecklenburg County GIS (Streets), US Geological Survey (Elevation Products)

Checked By:	AS
Created By:	CW
Scale:	1 " = 100 FT
Date/Time:	10/29/2021; 16:47
Project No.:	CPC20126

Air Sparge System Layout & Risk Calculator Output
Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

0 100 200 300 Feet

Release Site
Pipeline
Risk Calculator Areas
Air Sparge Well
Soil Vapor Extraction Well
Inactive Air Sparge Well
Soil Vapor Monitoring Point
AreaRae Monitoring Station
Inactive Soil Vapor Extraction Well

Note: The following locations were inactive during the period of 8/23-9/10: AS-15, PV-11, AS-14, PV-10, AS-13, PV-09, AS-12, AS-11, AS-10
Samples from 12/15/20, 1/7/21, 2/12/21, are only SVP-01 to SVP-03, but denoted in SVP-01 to SVP-04, DUP-01
Risk entries were provided from Pace, except those denoted in (E) which was done by Eurofins
Risk estimates associated with the site release are depicted on this figure.
Refer to Appendix O, Table 1 for a summary of the site release, background and cumulative risk estimates

APEX

FIGURE 20



NHCW-18 NHCW-19 NHCW-20 NHCW-21 NHCW-22 NHCW-23 NHCW-24 NHCW-25 NHCW-26 NHCW-27 NHCW-28 NHCW-29
NHCW-16 NHCW-17 NHCW-15 NHCW-14 NHCW-13 NHCW-12 NHCW-11 NHCW-10 NHCW-09 NHCW-08 NHCW-07 NHCW-06 NHCW-05 NHCW-04 NHCW-03 NHCW-02 NHCW-01
RW-72 RW-83 RW-71 RW-73 RW-74 RW-86 RW-60 RW-61 RW-33 RW-59 RW-32 RW-84 RW-62 RW-75 RW-87 RW-67 RW-27 RW-57 RW-58 RW-76 RW-85 RW-66 RW-88 RW-65 RW-31 RW-46 RW-29 RW-68 RW-69 RW-89 RW-45 RW-07 RW-30 RW-63 RW-64 RW-12 RW-19 RW-15 RW-08 RW-17 RW-39 RW-25 RW-13 RW-34 RW-70 RW-78 RW-40 RW-23 RW-47 RW-20 RW-18 RW-14 RW-77 RW-82 RW-79 RW-21 RW-43 RW-16 RW-44 RW-10 RW-41 RW-80 RW-42 RW-36 RW-37 RW-48 RW-09 RW-01 RW-38 RW-35 RW-81 RW-03 RW-02 RW-06 RW-22 RW-04 RW-24 RW-05 RW-51 RW-50 RW-11 RW-52 RW-53 RW-49 RW-28 RW-26 RW-54 RW-56 RW-55
HCW-03 HCW-02 HCW-01 HCW-24 HCW-23 HCW-04 HCW-05 HCW-06 HCW-07 HCW-08 HCW-09 HCW-10 HCW-12 HCW-15 HCW-16 HCW-13 HCW-14 HCW-11 HCW-17 HCW-18 HCW-19 HCW-20 HCW-25 HCW-26 HCW-27 HCW-21 HCW-22
HUNTERSVILLE-CONCORD RD
ASBURY CHAPEL RD

Data Sources: Mecklenburg County GIS (Streets)

Checked By:	AS
Created By:	CW
Scale:	1 " = 120 FT
Date/Time:	10/29/2021; 12:48
Project No.:	CPC20126

Recovery and Hydraulic Control Well System Layout
Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

0 120 240 360 Feet

Release Site
Pipeline
Recovery Well
Hydraulic Control Well

APEX

FIGURE
21

TABLES

Table 1
Summary of Pipeline Excavation Soil Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report	Sample ID	Sample Date	Volatile Organic Compounds (EPA 8260D) (mg/kg)																								MADEP VPH (mg/kg)			
			1,1,2-Trichloroethane	1,1-Dichloroethane	1,2,3-Trimethylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone (MEK)	Acetone	Benzene	Chlorobenzene	Chloroform	Diisopropyl ether	Ethylbenzene	Isopropylbenzene (Cumene)	Methyl-tert-butyl ether	Methylene Chloride	Naphthalene	Styrene	Tetrachloroethene	Toluene	o-Xylene	Xylene (Total)	n-Butylbenzene	n-Propylbenzene	p-Isopropyltoluene	sec-Butylbenzene	Aliphatic (C05-C08)	Aliphatic (C09-C12)	Aromatic (C09-C10), Unadjusted	Total VPH
Soil-to-Water MSCCs			**0.0032**	**0.0019**	**NE**	**6.6**	**6.6**	**16**	**24**	**0.0072**	**0.44**	**0.34**	**0.32**	**8.0**	**1.3**	**0.085**	**0.023**	**0.2**	**0.9**	**0.0050**	**6.0**	**6.0**	**6.0**	**2.4**	**1.4**	**NE**	**2.2**	**68**	**540**	**31**	**NE**
Residential MSCCs			**11.6**	**7.29**	**NE**	**156**	**156**	**9,380**	**14,000**	**12**	**312**	**21**	**NE**	**60.3**	**1,560**	**156**	**93.8**	**5.5**	**3,120**	**93.8**	**3,120**	**3,120**	**3,120**	**782**	**1,560**	**NE**	**1,560**	**625**	**1,560**	**469**	**NE**
Industrial / Commercial MSCCs			**57.3**	**35.9**	**NE**	**2,330**	**2,330**	**140,000**	**210,000**	**59.4**	**4,670**	**105**	**2,330**	**297**	**23,330**	**1,810**	**1,400**	**27**	**46,700**	**1,400**	**46,700**	**46,700**	**46,700**	**11,600**	**23,300**	**NE**	**23,300**	**9,340**	**23,300**	**7,000**	**NE**
92506678	North Wall	11/17/2020	<0.00446	<0.00446	<0.00891	**0.00441J**	<0.00891	<0.178	<0.0891	**0.0203**	<0.00446	<0.00446	<0.00178	**0.00665**	<0.00446	**0.000981J**	<0.0446	<0.0224	<0.0224	<0.00446	**0.0666**	NA	**0.0323**	<0.0224	<0.00891	<0.00891	<0.0224	<8.65	<8.65	<8.65	<8.65
92506678	South Wall	11/17/2020	<0.00649	<0.00649	<0.0130	**0.00538J**	<0.0130	<0.259	<0.130	**0.0222**	<0.00649	<0.00649	<0.00259	**0.0168**	<0.00649	**0.0582**	**0.0178J**	<0.0324	<0.0324	<0.00649	**0.147**	NA	**0.0722**	<0.0324	<0.0130	<0.0130	<0.0324	<8.64	<8.64	<8.64	<8.64
92506486	0-B	11/15/2020	<0.00450	<0.00450	**0.0508**	**0.0784**	**0.0350**	<0.180	<0.0901	**0.00225**	<0.00450	<0.00450	<0.00180	**0.00411J**	**0.000995J**	<0.00180	<0.0450	**0.122**	<0.0225	<0.00450	**0.0108**	NA	**0.0286**	<0.0225	**0.00368J**	**0.0119**	**0.00541J**	<9.22	**4.63J**	<9.22	**4.63J**
92506486	0-E	11/15/2020	<0.00431	<0.00431	<0.00862	**0.00281J**	<0.00862	<0.172	<0.0862	<0.00172	<0.00431	<0.00431	<0.00172	**0.00150J**	<0.00431	**0.00248**	<0.0431	<0.0216	**0.000412J**	<0.00431	**0.00252J**	NA	**0.00179J**	<0.0216	<0.00862	<0.00862	<0.0216	<8.68	<8.68	<8.68	<8.68
92506486	0-W	11/15/2020	<0.00440	<0.00440	**0.0132**	**0.0372**	**0.0159**	<0.176	<0.0880	**0.138**	<0.00440	<0.00440	**0.00525**	**0.0284**	**0.00161J**	**0.000880J**	<0.0440	<0.0220	<0.0220	<0.00440	**0.518**	NA	**0.287**	<0.0220	**0.00498J**	<0.00880	<0.0220	**3.97J**	<8.86	<8.86	**3.97J**
92506486	25-B	11/15/2020	<0.00451	<0.00451	**0.0341**	**0.101**	**0.0466**	<0.181	<0.0903	**0.0143**	<0.00451	<0.00451	<0.00181	**0.0312**	**0.00289J**	<0.00181	<0.0451	<0.0226	<0.0226	<0.00451	**0.136**	NA	**0.226**	<0.0226	**0.0155**	<0.00903	<0.0226	**4.26J**	**3.34J**	<8.83	**7.60J**
92506486	25-E	11/15/2020	<0.00472	<0.00472	<0.00945	**0.00316J**	<0.00945	<0.189	<0.0945	**0.00185J**	<0.00472	<0.00472	<0.00189	**0.00171J**	<0.00472	**0.00148J**	<0.0472	<0.0236	<0.0236	<0.00472	**0.00584J**	NA	**0.00282J**	<0.0236	<0.00945	<0.00945	<0.0236	**4.57J**	<9.48	<9.48	**4.57J**
92506486	25-W	11/15/2020	<0.00444	<0.00444	**0.0436**	**0.131**	**0.0356**	<0.178	<0.0889	**0.444**	<0.00444	<0.00444	**0.0509**	**0.180**	**0.00685**	**0.00624**	<0.0444	<0.0222	<0.0222	<0.00444	**1.71**	NA	**0.921**	<0.0222	**0.0233**	<0.00889	<0.0222	**7.03J**	**3.99J**	<8.68	**11.0**
92506486	50-B	11/15/2020	<0.00425	<0.00425	**0.00464J**	**0.0145**	**0.00747J**	<0.170	<0.0851	**0.00650**	<0.00425	<0.00425	<0.00170	**0.00541**	<0.00425	<0.00170	<0.0425	<0.0213	<0.0213	<0.00425	**0.0446**	NA	**0.0487**	<0.0213	**0.00185J**	<0.00851	<0.0213	**3.35J**	**4.55J**	<8.59	**7.90J**
92506486	50-E	11/15/2020	<0.0358	<0.0358	<0.0716	**0.0498J**	<0.0716	<1.43	<0.716	**0.0281**	<0.0358	<0.0358	<0.0143	**0.0115J**	**0.0392**	<0.0143	<0.358	**1.03**	<0.179	<0.0358	**0.0682J**	NA	**0.0510J**	**0.240**	<0.0716	<0.0716	**0.0542J**	**5.30J**	<8.99	<8.99	**5.30J**
92506486	50-W	11/15/2020	<0.0354	<0.0354	**61.7**	**219**	**63.8**	<1.41	<0.707	**10.8**	<0.0354	<0.0354	<0.0141	**130**	**11.1**	**0.251**	<0.354	**22.8**	<0.177	<0.0354	**285**	NA	**735**	**11.8**	**45.2**	**2.44**	**4.10**	**1,300**	**1,360**	**567**	**3240**
92506486	75-B	11/16/2020	<0.00425	<0.00425	<0.00850	<0.00850	<0.00850	<0.170	<0.0850	**0.00534**	<0.00425	<0.00425	<0.00170	<0.00425	<0.00425	**0.000623J**	<0.0425	<0.0213	<0.0213	<0.00425	**0.0182**	NA	**0.00566J**	<0.0213	<0.00850	<0.00850	<0.0213	**3.34J**	**3.42J**	<8.30	**6.76J**
92506486	75-E	11/16/2020	<0.00450	<0.00450	<0.00897	**0.00445J**	<0.00897	<0.179	<0.0897	**0.0410**	<0.00450	<0.00450	<0.00179	**0.00812**	<0.00450	<0.00179	**0.0268J**	<0.0224	<0.0224	<0.00450	**0.0999**	NA	**0.0240**	<0.0224	<0.00897	<0.00897	<0.0224	**3.25J**	<8.46	<8.46	**3.25J**
92506486	75-W	11/16/2020	<0.0330	<0.0330	**40.5**	**143**	**40.0**	<1.32	<0.659	**7.53**	<0.0330	<0.0330	<0.0132	**60.6**	**7.43**	**0.149**	<0.330	**15.7**	<0.165	<0.0330	**148**	NA	**346**	**6.61**	**29.2**	**1.56**	**2.78**	**3,960**	**4,460**	**2,010**	**10400**
92506486	100-B	11/16/2020	<0.00360	<0.00360	**0.00308J**	**0.00729**	**0.00390J**	<0.144	<0.0719	**0.00657**	<0.00360	<0.00360	<0.00144	**0.00108J**	<0.00360	<0.00144	<0.0360	<0.0180	<0.0180	<0.00360	**0.0164**	NA	**0.00749J**	<0.0180	<0.00719	<0.00719	<0.0180	**16.4**	<7.15	<7.15	**16.4**
92506486	100-E	11/16/2020	<0.00436	<0.00436	**0.00341J**	**0.0190**	**0.00981**	<0.174	<0.0871	**0.147**	<0.00436	<0.00436	<0.00174	**0.0373**	**0.00111J**	<0.00174	<0.0436	<0.0218	<0.0218	<0.00436	**0.420**	NA	**0.156**	<0.0218	**0.00850J**	<0.00871	<0.0218	**3.58J**	<8.81	<8.81	**3.58J**
92506486	100-W	11/16/2020	<0.00505	<0.00505	**0.0595**	**0.148**	**0.0492**	<0.202	<0.101	**0.786**	<0.00505	<0.00505	**0.138**	**0.0593**	**0.00106J**	**0.0125**	**0.0380J**	<0.0253	<0.0253	<0.00505	**1.98**	NA	**1.33**	<0.0253	**0.00211J**	<0.0101	<0.0253	**6.10J**	**4.63J**	<9.61	**10.7**
92506486	125-B	11/16/2020	<0.00328	<0.00328	**0.00423J**	**0.00767**	**0.00498J**	<0.131	<0.0655	**0.0949**	<0.00328	<0.00328	<0.00131	<0.00328	<0.00328	**0.00117J**	<0.0328	<0.0164	<0.0164	<0.00328	**0.152**	NA	**0.0761**	<0.0164	<0.00655	<0.00655	<0.0164	**8.05**	<6.54	<6.54	**8.05**
92506486	125-E	11/16/2020	<0.00308	<0.00308	<0.00616	<0.00616	<0.00616	<0.123	<0.0616	**0.0172**	<0.00308	<0.00308	<0.00123	**0.00155J**	<0.00308	<0.00123	<0.0308	<0.0154	<0.0154	<0.00308	**0.0362**	NA	**0.0103**	<0.0154	<0.00616	<0.00616	<0.0154	**2.53J**	<6.39	<6.39	**2.53J**
92506486	125-W	11/16/2020	<0.00376	<0.00376	<0.00752	<0.00752	<0.00752	<0.150	<0.0752	**0.0172**	<0.00376	<0.00376	**0.0119**	<0.00376	<0.00376	<0.00150	<0.0376	<0.0188	<0.0188	<0.00376	**0.00585J**	NA	**0.0156**	<0.0188	<0.00752	<0.00752	<0.0188	<7.58	<7.58	<7.58	<7.58
92506486	150-B	11/16/2020	<0.139	<0.139	**20.2**	**69.2**	**21.6**	<5.58	<2.79	**4.63**	<0.139	**0.656**	**0.386**	**30.8**	**2.86**	<0.0558	<1.39	**5.33**	<0.697	<0.139	**49.2**	NA	**206**	**3.68**	**13.8**	**0.663**	**1.36**	**894**	**472**	**216**	**1580**
92506486	150-E	11/16/2020	<0.00342	<0.00342	**0.00491J**	<0.00684	**0.00346J**	<0.137	<0.0684	**0.083**	<0.00342	<0.00342	<0.00137	**0.00137J**	<0.00342	<0.00137	<0.0342	<0.0171	<0.0171	<0.00342	**0.0553**	NA	**0.0480**	<0.0171	<0.00684	<0.00684	<0.0171	**3.86J**	<6.99	<6.99	**3.86J**
92506486	150-W	11/16/2020	<0.00342	<0.00342	**0.150**	**0.120**	**0.0858**	<0.149	<0.0684	**0.436**	<0.00342	<0.00372	<0.00137	**0.00137J**	**0.00465**	**0.0320**	<0.0372	<0.0171	<0.0171	<0.00342	**0.0553**	NA	**0.0480**	<0.0171	<0.00684	<0.00684	<0.0171	**4.46J**	**3.68J**	<6.99	**3.86J**
92506486	175-B	11/16/2020	<0.0572	<0.0572	**44.9**	**141**	**49.1**	**23.1**	<1.14	**10.8**	<0.0572	**1.84**	<0.0229	**87.8**	**6.85**	<0.0229	<0.572	**25.3**	<0.286	<0.0572	**136**	NA	**559**	**8.44**	**32.5**	**1.40**	**2.37**	**2,750**	**2,250**	**650**	**2250**
92506486	175-E	11/16/2020	<0.0295	<0.0295	**7.04**	**23.6**	**7.12**	<1.18	<0.589	**2.03**	<0.0295	<0.0295	**1.77**	**10.9**	**0.854**	**0.239**	<0.295	**2.93**	<0.147	<0.0295	**18.4**	NA	**68.5**	**1.06**	**4.42**	**0.243**	**0.442**	**1,800**	**2,610**	**725**	**4400**
92506486	175-W	11/16/2020	<0.127	<0.127	**84.5**	**277**	**98**	<5.08	<2.54	**27.4**	<0.127	<0.127	**11.0**	**193**	**16.1**	**0.588**	<1.27	**29.2**	<0.635	<0.127	**348**	NA	**1,250**	**14.2**	**68.5**	**2.64**	**4.78**	**4,800**	**4,720**	**686**	**9520**
92506678	200-B	11/17/2020	<0.00444	<0.00444	**0.783**	**0.904**	**0.799**	<0.178	<0.0888	**0.527**	<0.00444	<0.00444	**2.25**	**0.0296**	**0.00408J**	**0.233**	<0.0444	**0.0827**	<0.0222	<0.00444	**0.609**	<7.2	**2.89**	<0.0222	**0.0101**	**0.0277**	**0.0121J**	**26.1**	**16.0**	**3.43J**	**42.1**
92506678	200-E	11/17/2020	<0.0711	<0.0711	**136**	**495**	**149**	<2.84	<1.42	**56.2**	**0.353**	<0.0711	**22.9**	**398**	**19.8**	**1.49**	<0.711	**59.5**	<0.356	<0.0711	**877**	<6.3	**2,210**	**27.2**	**106**	**4.31**	**8.25**	**8,490**	**4,310**	**1,480**	**14300**
92506678	200-W	11/17/2020	<0.0734	<0.0734	**96.4**	**348**	**105**	<2.94	<1.47	**10.1**	**0.308**	<0.0734	**3.35**	**153**	**14.7**	**0.280**	<0.734	**43.7**	<0.367	**0.0945**	**201**	**3.6**	**997**	**19.8**	**68.5**	**3.13**	**6.83**	**1,930**	**3,820**	**1,150**	**5750**
92506678	225-B	11/17/2020	<0.182	<0.182	**103**	**354**	**110**	<7.30	<3.65	**9.34**	<0.182	<0.182	**1.13**	**190**	**2.36**	<0.0730	<1.82	**12.7**	<0.912	<0.182	**312**	<4.6	**1,190**	**3.93**	**68.6**	**0.641**	**1.21**	**2,470**	**1,160**	**696**	**4330**
92506678	225-E	11/17/2020	<0.0823	<0.0823	**96.8**	**315**	**90.4**	<3.29	<1.65	**60.4**	<0.0823	<0.0823	**3.42**	**199**	**29.8**	**0.497**	<0.823	**45.6**	<0.412	<0.0823	**517**	<5	**1,100**	**22.9**	**102**	**5.10**	**9.63**	**5,090**	**6,240**	**1,500**	**11300**
92506678	225-W	11/17/2020	<0.0834	<0.0834	**129**	**439**	**125**	<3.34	<1.67	**49.1**	**0.395**	<0.0834	**2.77**	**310**	**34.2**	**0.225**	<0.834	**60.9**	<0.417	<0.0834	**661**	<5.5	**1,700**	**25.4**	**104**	**5.49**	**10.6**	**6,790**	**4,680**	**1,700**	**13200**
92506678	250-B	11/17/2020	<0.0824	<0.0824	**79.7**	**260**	**78.1**	<3.29	<1.65	**42.2**	<0.0824	<0.0824	**3.28**	**130**	**13.6**	**0.336**	<0.824	**32.8**	<0.413	<0.0824	**344**	<4.9	**705**	**13.5**	**55.2**	**2.95**	**4.61**	**44.5**	**38.2**	**25.7**	**108**
92506678	250-E	11/17/2020	<0.00437	<0.00437	**0.267**	**0.743**	**0.190**	**0.490**	**1.87**	**1.90**	<0.00437	<0.00437	**0.106**	**0.571**	**0.0206**	**0.0462**	<0.0437	**0.146**	<0.0219	<0.00437	**6.45**	<5.5	**3.45**	**0.0101J**	**0.0832**	<0.00875	<0.0219	**13.0**	**5.25J**	**3.41J**	**21.7**
92506678	250-W	11/17/2020	<0.0927	<0.0927	**148**	**519**	**146**	<3.71	<1.85	**64.0**	**0.391**	<0.0927	**9.94**	**413**	**35.7**	**0.590**	<0.927	**65.2**	<0.464	<0.0927	**935**	<5.5	**2,150**	**24.3**	**116**	**5.33**	**9.09**	**8,610**	**6,250**	**2,180**	**17100**
92506678	275-B	11/17/2020	<0.0832	<0.0832	**75.1**	**243**	**72.6**	<3.33	<1.66	**28.6**	<0.0832	<0.0832	**0.519**	**86.2**	**10.6**	**0.0419**	<0.832	**23.0**	<0.416	<0.0832	**285**	**501**	**469**	**11.9**	**53.6**	**2.43**	**4.03**	**2,660**	**1,230**	**636**	**4530**
92506678	275-E	11/17/2020	<0.00426	<0.00426	**0.159**	**0.461**	**0.134**	<0.170	**0.0871**	**1.08**	<0.00426	<0.00426	**0.0553**	**0.0657**	**0.00294J**	**0.00911**	<0.0426	**0.0349**	<0.0214	<0.00426	**2.86**	<4.9	**2.67**	<0.0214	**0.00673J**	<0.00852	<0.0214	**10.6**	**7.65J**	**4.10J**	**22.3**
92506678	275-W	11/17/2020	<0.00369	<0.00369	**0.548**	**1.58**	**0.416**	**0.428**	**1.13**	**1.33**	<0.00369	<0.00369	**0.273**	**0.820**	**0.0450**	**0.0826**	<0.0369	**0.400**	<0.0184	<0.00369	**6.22**	<5	**4.61**	**0.0503**	**0.226**	**0.0113**	**0.0181J**	**409**	**656**	**241**	**1070**
92506678	300-B	11/17/2020	<0.0792	<0.0792	**0.190**	**0.738**	**0.231**	<3.17	<1.58	**0.342**	<0.0792	<0.0792	<0.0317	<0.0791	**0.0769J**	<0.0317	<0.792	**1.70**	<0.396	<0.0792	**0.720**	<7.7	**0.402**	**0.250J**	**0.121J**	<0.158	<0.396	**16.9**	**2.85J**	<7.91	**19.8**

Table 1
Summary of Pipeline Excavation Soil Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report	Sample ID	Sample Date	Volatile Organic Compounds (EPA 8260D) (mg/kg)																								MADEP VPH (mg/kg)			
			1,1,2-Trichloroethane	1,1-Dichloroethane	1,2,3-Trimethylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone (MEK)	Acetone	Benzene	Chlorobenzene	Chloroform	Diisopropyl ether	Ethylbenzene	Isopropylbenzene (Cumene)	Methyl-tert-butyl ether	Methylene Chloride	Naphthalene	Styrene	Tetrachloroethene	Toluene	o-Xylene	Xylene (Total)	n-Butylbenzene	n-Propylbenzene	p-Isopropyltoluene	sec-Butylbenzene	Aliphatic (C05-C08)	Aliphatic (C09-C12)	Aromatic (C09-C10), Unadjusted	Total VPH
Soil-to-Water MSCCs			**0.0032**	**0.0019**	**NE**	**6.6**	**6.6**	**16**	**24**	**0.0072**	**0.44**	**0.34**	**0.32**	**8.0**	**1.3**	**0.085**	**0.023**	**0.2**	**0.9**	**0.0050**	**6.0**	**6.0**	**6.0**	**2.4**	**1.4**	**NE**	**2.2**	**68**	**540**	**31**	**NE**
Residential MSCCs			**11.6**	**7.29**	**NE**	**156**	**156**	**9,380**	**14,000**	**12**	**312**	**21**	**NE**	**60.3**	**1,560**	**156**	**93.8**	**5.5**	**3,120**	**93.8**	**3,120**	**3,120**	**3,120**	**782**	**1,560**	**NE**	**1,560**	**625**	**1,560**	**469**	**NE**
Industrial / Commercial MSCCs			**57.3**	**35.9**	**NE**	**2,330**	**2,330**	**140,000**	**210,000**	**59.4**	**4,670**	**105**	**2,330**	**297**	**23,330**	**1,810**	**1,400**	**27**	**46,700**	**1,400**	**46,700**	**46,700**	**46,700**	**11,600**	**23,300**	**NE**	**23,300**	**9,340**	**23,300**	**7,000**	**NE**
92506678	300-E	11/17/2020	<0.00437	<0.00437	**0.0190**	**0.0619**	**0.0193**	<0.175	**0.0656J**	**0.550**	<0.00437	<0.00437	**0.0207**	**0.0232**	**0.000917J**	**0.00327**	<0.0437	<0.0218	<0.0218	<0.00437	**1.39**	<5.7	**0.508**	<0.0218	<0.00873	<0.00873	<0.0218	**4.77J**	**3.86J**	<10.7	**8.63J**
92506678	300-W	11/17/2020	<0.00396	<0.00396	**0.155**	**0.402**	**0.0959**	<0.158	**0.119**	**1.30**	<0.00396	<0.00396	**0.302**	**0.407**	**0.0110**	**0.0942**	<0.0396	**0.0750**	<0.0198	<0.00396	**4.34**	<7.7	**2.71**	<0.0198	**0.0344**	<0.00792	<0.0198	**11.8**	**5.66J**	**2.89J**	**20.3**
92506678	325-B	11/17/2020	<0.00397	<0.00397	**0.0752**	**0.0622**	**0.0893**	<0.159	<0.0793	**0.115**	<0.00397	<0.00397	**0.00192**	**0.00370J**	<0.00397	<0.00159	<0.0397	<0.0198	<0.0198	<0.00397	**0.179**	**554**	**0.219**	<0.0198	**0.00153J**	<0.00793	<0.0198	**25.6**	<8.43	**3.29J**	**28.9**
92506678	325-E	11/17/2020	<0.00399	<0.00399	<0.00799	**0.00518J**	**0.00356J**	<0.160	<0.0799	**0.0659**	<0.00399	<0.00399	<0.00160	<0.00399	<0.00399	**0.00460**	<0.0399	<0.0200	<0.0200	<0.00399	**0.118**	<5.1	**0.0473**	<0.0200	<0.00799	<0.00799	<0.0200	<7.86	<7.86	<7.86	<7.86
92506678	325-W	11/17/2020	<0.00384	<0.00384	**0.228**	**0.668**	**0.178**	<0.154	<0.0769	**1.08**	<0.00384	<0.00384	**0.0787**	**0.210**	**0.00781**	**0.0125**	<0.0384	**0.0962**	<0.0193	<0.00384	**3.77**	<5	**2.26**	**0.00819J**	**0.0264**	**0.00399J**	<0.0193	**11.1**	**5.62J**	**3.87J**	**20.7**
92506678	350-B	11/17/2020	<0.00415	<0.00415	**0.00690J**	**0.00543J**	**0.00629J**	<0.166	<0.0830	**0.00239**	<0.00415	<0.00415	<0.00166	**0.00148J**	<0.00415	<0.00166	<0.0415	<0.0207	<0.0207	<0.00415	**0.0135**	NA	**0.0231**	<0.0207	<0.00830	<0.00830	<0.0207	**5.74J**	<8.46	<8.46	**5.74J**
92506678	350-E	11/17/2020	<0.00394	<0.00394	<0.00788	<0.00788	<0.00788	<0.158	<0.0788	**0.00616**	<0.00394	<0.00394	<0.00158	<0.00394	<0.00394	<0.00158	<0.0394	<0.0197	<0.0197	<0.00394	**0.00708J**	<4.9	**0.00252J**	<0.0197	<0.00788	<0.00788	<0.0197	<7.87	<7.87	<7.87	<7.87
92506678	350-W	11/17/2020	<0.00388	<0.00388	<0.00776	**0.00318J**	<0.00776	<0.155	<0.0776	**0.0379**	<0.00388	<0.00388	<0.00155	<0.00388	<0.00388	<0.00155	<0.0388	<0.0194	<0.0194	<0.00388	**0.0641**	<4.9	**0.0318**	<0.0194	<0.00776	<0.00776	<0.0194	**3.21J**	<9.48	<9.48	**3.21J**
92506678	375-B	11/17/2020	<0.00515	<0.00515	<0.0103	**0.00345J**	<0.0103	<0.206	<0.103	**0.00365**	<0.00515	<0.00515	<0.00206	<0.00515	<0.00515	<0.00206	<0.0515	<0.0257	<0.0257	<0.00515	**0.00875J**	<5.4	**0.00679J**	<0.0257	<0.0103	<0.0103	<0.0257	**4.45J**	<8.76	<8.76	**4.45J**
92506678	375-E	11/17/2020	<0.00458	<0.00458	**0.00527J**	**0.00810J**	<0.00915	<0.183	<0.0915	**0.0310**	<0.00458	<0.00458	<0.00183	<0.00458	<0.00458	<0.00183	<0.0458	<0.0229	<0.0229	<0.00458	**0.0544**	<4.3	**0.0378**	<0.0229	<0.00915	<0.00915	<0.0229	**4.46J**	<8.93	<8.93	**4.46J**
92506678	375-W	11/17/2020	<0.00407	<0.00407	**0.00320J**	<0.00813	<0.00813	<0.163	<0.0813	**0.00845**	<0.00407	<0.00407	<0.00163	<0.00407	<0.00407	**0.000610J**	<0.0407	<0.0203	<0.0203	<0.00407	**0.0192**	<5.7	**0.0115**	<0.0203	<0.00813	<0.00813	<0.0203	<8.21	<8.21	<8.21	<8.21
92516902	L2-0-B	01/14/2021	<0.00325	<0.00325	**0.0125**	**0.0321**	**0.00916**	<0.130	<0.0650	**0.00706**	<0.00325	<0.00325	**0.00348**	**0.00899**	<0.00325	**0.00253**	<0.0325	<0.0162	<0.0162	<0.00325	**0.0379**	NA	**0.0902**	<0.0162	<0.00650	<0.00650	<0.0162	**26.0**	<6.73	<6.73	**31.0**
92516902	L2-0-E	01/14/2021	<0.00312	<0.00312	<0.00623	**0.0104**	<0.00623	**0.156**	<0.0623	**0.00257**	<0.00312	<0.00312	<0.00125	**0.00379**	<0.00312	<0.00125	<0.0312	<0.0156	<0.0156	<0.00312	**0.0162**	NA	**0.0307**	<0.0156	<0.00623	<0.00623	<0.0156	**12.7**	<6.26	<6.26	**15.9**
92516902	L2-0-W	01/14/2021	<0.00429	<0.00429	<0.00858	**0.0192**	<0.00858	**0.278**	<0.0858	**0.0161**	<0.00429	<0.00429	**0.00633**	**0.00905**	<0.00429	<0.00172	<0.0429	<0.0215	<0.0215	<0.00429	**0.0366**	NA	**0.0741**	<0.0215	<0.00858	<0.00858	<0.0215	**36.6**	<8.80	<8.80	**40.3**
92516902	L2-100-B	01/14/2021	<0.0759	<0.0759	**42.6**	**172**	**47.5**	<3.04	<1.52	**24.4**	<0.0759	<0.0759	**7.59**	**152**	**9.02**	**0.554**	<0.759	**29.1**	<0.379	<0.0759	**337**	NA	**865**	**9.96**	**29.9**	**1.65**	**2.87**	**2,530**	**1,750**	**600**	**4880**
92516902	L2-100-E	01/14/2021	<0.0171	<0.0171	<0.0342	<0.0342	<0.0342	<0.684	<0.342	**0.0214**	<0.0171	<0.0171	**0.131**	<0.0171	<0.0171	**0.0197**	<0.171	<0.0855	<0.0855	<0.0171	**0.0973**	NA	**0.188**	<0.0855	<0.0342	<0.0342	<0.0855	**26.3**	<8.42	<8.42	**30.5**
92516902	L2-100-W	01/14/2021	<0.836	<0.836	**43.5**	**153**	**38.5**	<33.5	<16.7	**36.3**	<0.836	<0.836	**17.1**	**186**	**8.38**	**1.61**	<8.36	**36.8**	<4.18	<0.836	**488**	NA	**1,050**	**4.37**	**25.1**	<1.67	<4.18	**3,040**	**3,040**	**825**	**6910**
92516902	L2-125-B	01/14/2021	**2.41**	<0.396	**53.8**	**177**	**43.1**	<15.8	<7.91	**62.3**	<0.396	<0.396	**15.6**	**187**	**10.2**	**1.31**	<3.96	**38.0**	<1.98	<0.396	**558**	NA	**957**	**5.58**	**27.7**	<0.791	**2.41**	**5,300**	**4,610**	<2030	**11600**
92516902	L2-125-E	01/14/2021	<0.00424	<0.00424	<0.00848	**0.0200**	<0.00848	<0.170	<0.0848	<0.00170	<0.00424	<0.00424	<0.00170	**0.00942**	<0.00424	<0.00170	<0.0424	<0.0212	<0.0212	<0.00424	**0.0142**	NA	**0.0602**	<0.0212	<0.00848	<0.00848	<0.0212	<8.48	<8.48	<8.48	<8.48
92516902	L2-125-W	01/14/2021	<0.967	<0.967	**22.2**	**79.9**	**20.3**	<38.7	<19.3	**55.5**	<0.967	<0.967	**31.9**	**103**	**4.28**	**4.24**	<9.67	**24.2**	<4.84	<0.967	**364**	NA	**602**	<4.84	**13.1**	<1.93	<4.84	**3,380**	**2,060**	**542**	**5970**
92516902	L2-150-B	01/14/2021	<0.831	<0.831	**47.8**	**152**	**34.4**	<33.2	<16.6	**57.8**	<0.831	<0.831	**5.40**	**162**	**8.99**	**1.09**	<8.31	**46.2**	<4.15	<0.831	**339**	NA	**890**	**4.68**	**24.3**	<1.66	<4.15	**4,030**	**2,560**	**759**	**7340**
92516902	L2-150-E	01/14/2021	<0.185	<0.185	**65.3**	**74.7**	**59.9**	<7.40	<3.70	**81.4**	<0.185	<0.185	**17.1**	**97.5**	**12.4**	**1.26**	<1.85	**25.3**	<0.925	<0.185	**325**	NA	**570**	**7.10**	**42.5**	**1.34**	<0.925	**2,960**	**3,640**	**586**	**7190**
92516902	L2-150-W	01/14/2021	<0.413	<0.413	**55.5**	**56.3**	**48.1**	<16.5	<8.25	**70.5**	<0.413	<0.413	**2.17**	**51.2**	**12.3**	**0.495**	<4.13	**27.0**	<2.06	<0.413	**231**	NA	**287**	**5.28**	**35.1**	**1.46**	**2.54**	**2,990**	**2,430**	**646**	**6070**
92516902	L2-175-B	01/14/2021	<0.268	<0.268	**56.0**	**119**	**54.4**	<10.7	<5.36	**47.0**	<0.268	<0.268	<0.107	**125**	**10.4**	<0.107	<2.68	**26.9**	<1.34	<0.268	**292**	NA	**360**	**4.89**	**36.6**	**1.31**	<1.34	**4,220**	**3,810**	**1,260**	**9290**
92516902	L2-175-E	01/14/2021	<0.366	**0.745**	**53.5**	**57.9**	**48.0**	<14.7	<7.33	**101**	<0.366	<0.366	**16.0**	**68.3**	**10.8**	**1.44**	<3.66	**12.2**	<1.83	<0.366	**249**	NA	**392**	**5.02**	**32.8**	**1.12**	**2.31**	**4,380**	**3,350**	**811**	**8540**
92516902	L2-175-W	01/14/2021	<0.00525	<0.00525	**0.0191**	**0.0601**	**0.0144**	**0.273**	**0.418**	**0.102**	<0.00525	<0.00525	**0.0128**	**0.0681**	<0.00525	<0.00210	<0.0525	<0.0263	<0.0263	<0.00525	**0.403**	NA	**0.399**	<0.0263	<0.0105	<0.0105	<0.0263	<10.5	<10.5	<10.5	<10.5
92516902	L2-200-B	01/14/2021	<0.00453	<0.00453	**0.0142**	**0.0261**	<0.00907	<0.181	<0.0907	**0.00620**	<0.00453	<0.00453	**0.00448**	**0.00753**	<0.00453	**0.00381**	<0.0453	**0.0502**	<0.0227	<0.00453	**0.0346**	NA	**0.0646**	<0.0227	<0.00907	<0.00907	<0.0227	<9.07	<9.07	<9.07	<9.07
92516902	L2-200-E	01/14/2021	<0.325	<0.325	**99.6**	**218**	**79.8**	<13.0	<6.50	**110**	<0.325	<0.325	**11.8**	**169**	**19.8**	**0.911**	<3.25	**36.7**	<1.62	<0.325	**585**	NA	**991**	**6.74**	**61.9**	**2.14**	**4.13**	**3,460**	**4,520**	**1,230**	**9210**
92516902	L2-200-W	01/14/2021	<0.00423	<0.00423	<0.00845	<0.00845	<0.00845	<0.169	<0.0845	**0.00991**	<0.00423	<0.00423	<0.00169	<0.00423	<0.00423	<0.00169	<0.0423	<0.0211	<0.0211	<0.00423	**0.0235**	NA	**0.0220**	<0.0211	<0.00845	<0.00845	<0.0211	<8.45	<8.45	<8.45	<8.45
92516902	L2-225-B	01/15/2021	<0.00451	<0.00451	<0.00902	<0.00902	<0.00902	<0.180	<0.0902	**0.00561**	<0.00451	<0.00451	**0.00417**	**0.00893**	<0.00451	<0.00180	<0.0451	<0.0225	<0.0225	<0.00451	**0.0316**	NA	**0.0337**	<0.0225	<0.00902	<0.00902	<0.0225	**15.1**	<9.02	<9.02	**15.1**
92516902	L2-225-E	01/15/2021	<0.00453	<0.00453	**0.0378**	**0.0349**	<0.00905	<0.181	<0.0905	<0.00181	<0.00453	<0.00453	**0.0635**	<0.00453	<0.00453	**0.0337**	<0.0453	**0.157**	<0.0226	<0.00453	<0.00905	NA	**0.0230**	<0.0226	<0.00905	<0.00905	<0.0226	**16.7**	<9.05	<9.05	**16.7**
92516902	L2-225-W	01/15/2021	<0.00447	<0.00447	<0.00895	<0.00895	<0.00895	<0.179	<0.0895	**0.0158**	<0.00447	<0.00447	<0.00179	<0.00447	<0.00447	<0.00179	<0.0447	<0.0224	<0.0224	<0.00447	**0.0363**	NA	**0.0190**	<0.0224	<0.00895	<0.00895	<0.0224	<8.95	<8.95	<8.95	<8.95
92516902	L2-243-B	01/15/2021	<0.00396	<0.00396	<0.00792	<0.00792	<0.00792	<0.158	<0.0792	**0.103**	<0.00396	<0.00396	<0.00158	**0.00793**	<0.00396	<0.00158	<0.0396	<0.0198	<0.0198	<0.00396	**0.0922**	NA	**0.0405**	<0.0198	<0.00792	<0.00792	<0.0198	**21.9**	<7.92	<7.92	**21.9**
92516902	L2-243-E	01/15/2021	<0.00509	<0.00509	<0.0102	<0.0102	<0.0102	<0.203	<0.102	**0.0250**	<0.00509	<0.00509	<0.00203	<0.00509	<0.00509	<0.00203	<0.0509	<0.0254	<0.0254	<0.00509	**0.0506**	NA	**0.0182**	<0.0254	<0.0102	<0.0102	<0.0254	<10.2	<10.2	<10.2	<10.2
92516902	L2-243-W	01/15/2021	<0.00428	<0.00428	<0.00855	<0.00855	<0.00855	<0.171	<0.0855	**0.0171**	<0.00428	<0.00428	<0.00171	<0.00428	<0.00428	<0.00171	<0.0428	<0.0214	<0.0214	<0.00428	<0.00855	NA	**0.0171**	<0.0214	<0.00855	<0.00855	<0.0214	<8.97	<8.97	<8.97	<8.97
92516902	L2-25-B	01/14/2021	<0.00389	<0.00389	**0.0464**	**0.122**	**0.0569**	<0.156	<0.0778	**0.00484**	<0.00389	<0.00389	<0.00156	**0.00538**	<0.00389	<0.00156	<0.0389	**0.0437**	<0.0194	<0.00389	**0.0224**	NA	**0.0537**	**0.0501**	**0.0202**	**0.00909**	<0.0194	**23.1**	<7.81	<7.81	**26.7**
92516902	L2-25-E	01/14/2021	<0.00646	<0.00646	**0.158**	**0.239**	**0.0526**	<0.258	<0.129	**0.00430**	<0.00646	<0.00646	<0.00258	**0.0129**	<0.00646	<0.00258	<0.0646	**0.367**	<0.0323	<0.00646	**0.0346**	NA	**0.109**	**0.0686**	<0.0129	<0.0129	<0.0323	**15.0**	**16.3**	**10.3**	**41.7**
92516902	L2-25-W	01/14/2021	<0.00456	<0.00456	<0.00911	**0.0182**	<0.00911	**2.19**	<0.0911	**0.00791**	<0.00456	<0.00456	<0.00182	**0.0153**	<0.00456	<0.00182	<0.0456	<0.0228	<0.0228	<0.00456	**0.0512**	NA	**0.0857**	<0.0228	<0.00911	<0.00911	<0.0228	<8.97	<8.97	<8.97	<8.97

Table 1
Summary of Pipeline Excavation Soil Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report	Sample ID	Sample Date	Volatile Organic Compounds (EPA 8260D) (mg/kg)																								MADEP VPH (mg/kg)			
			1,1,2-Trichloroethane	1,1-Dichloroethane	1,2,3-Trimethylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone (MEK)	Acetone	Benzene	Chlorobenzene	Chloroform	Diisopropyl ether	Ethylbenzene	Isopropylbenzene (Cumene)	Methyl-tert-butyl ether	Methylene Chloride	Naphthalene	Styrene	Tetrachloroethene	Toluene	o-Xylene	Xylene (Total)	n-Butylbenzene	n-Propylbenzene	p-Isopropyltoluene	sec-Butylbenzene	Aliphatic (C05-C08)	Aliphatic (C09-C12)	Aromatic (C09-C10), Unadjusted	Total VPH
Soil-to-Water MSCCs			**0.0032**	**0.0019**	**NE**	**6.6**	**6.6**	**16**	**24**	**0.0072**	**0.44**	**0.34**	**0.32**	**8.0**	**1.3**	**0.085**	**0.023**	**0.2**	**0.9**	**0.0050**	**6.0**	**6.0**	**6.0**	**2.4**	**1.4**	**NE**	**2.2**	**68**	**540**	**31**	**NE**
Residential MSCCs			**11.6**	**7.29**	**NE**	**156**	**156**	**9,380**	**14,000**	**12**	**312**	**21**	**NE**	**60.3**	**1,560**	**156**	**93.8**	**5.5**	**3,120**	**93.8**	**3,120**	**3,120**	**3,120**	**782**	**1,560**	**NE**	**1,560**	**625**	**1,560**	**469**	**NE**
Industrial / Commercial MSCCs			**57.3**	**35.9**	**NE**	**2,330**	**2,330**	**140,000**	**210,000**	**59.4**	**4,670**	**105**	**2,330**	**297**	**23,330**	**1,810**	**1,400**	**27**	**46,700**	**1,400**	**46,700**	**46,700**	**46,700**	**11,600**	**23,300**	**NE**	**23,300**	**9,340**	**23,300**	**7,000**	**NE**
92516902	L2-50-B	01/14/2021	<0.292	<0.292	**86.3**	**317**	**80.0**	<11.7	<5.84	**27.7**	<0.292	<0.292	**1.74**	**236**	**19.3**	<0.117	<2.92	**32.0**	<1.46	<0.292	**476**	NA	**1,400**	**12.8**	**60.9**	**3.14**	**5.08**	**2,520**	**2,610**	**744**	**5880**
92516902	L2-50-E	01/14/2021	<0.756	<0.756	**104**	**352**	**93.7**	<30.2	<15.1	**10.2**	<0.756	<0.756	**0.464**	**198**	**18.6**	<0.302	<7.56	**39.4**	<3.78	<0.756	**375**	NA	**1,060**	**14.4**	**65.0**	**3.78**	**6.27**	**2,540**	**4,570**	**1,860**	**8970**
92516902	L2-50-W	01/14/2021	<0.00392	<0.00392	**0.0867**	**0.227**	**0.0538**	<0.157	<0.0784	**0.296**	<0.00392	<0.00392	**0.0262**	**0.155**	**0.00915**	**0.0246**	<0.0392	**0.0326**	<0.0196	<0.00392	**1.12**	NA	**0.956**	<0.0196	**0.0246**	<0.00784	<0.0196	**25.3**	<15.5	<15.5	**25.3**
92516902	L2-75-B	01/14/2021	<0.320	<0.320	**60.3**	**247**	**59.7**	<12.8	<6.40	**36.3**	<0.320	<0.320	**10.9**	**239**	**12.2**	**0.850**	<3.20	**40.5**	<1.60	<0.320	**503**	NA	**1,360**	**9.64**	**41.9**	**1.89**	**3.36**	**4,760**	**13,000**	<795	**NA**
92516902	L2-75-E	01/14/2021	<0.00475	<0.00475	**0.0863**	**0.298**	**0.0827**	**11.1**	<0.0950	**0.0804**	<0.00475	<0.00475	**0.0448**	**0.262**	**0.0142**	**0.00994**	<0.0475	**0.0874**	<0.0238	<0.00475	**0.827**	NA	**1.59**	<0.0238	**0.0515**	<0.00950	<0.0238	**74.5**	**134**	**50.0**	**258**
92516902	L2-75-W	01/14/2021	<0.0676	<0.0676	**60.7**	**218**	**56.8**	<2.70	<1.35	**3.65**	<0.0676	<0.0676	**0.343**	**110**	**13.4**	**0.0407**	<0.676	**27.4**	<0.338	<0.0676	**92.8**	NA	**696**	**13.8**	**34.1**	**3.04**	**4.64**	**980**	**1,880**	**773**	**3630**
92516902	L2-North Wall	01/14/2021	<0.00379	<0.00379	**0.0428**	**0.0872**	**0.0290**	<0.152	<0.0758	**0.0194**	<0.00379	<0.00379	**0.00282**	**0.0402**	<0.00379	**0.00170**	<0.0379	**0.0367**	<0.0190	<0.00379	**0.177**	NA	**0.328**	<0.0190	**0.00819**	<0.00758	<0.0190	<7.73	<7.73	<7.73	**9.31**

Notes:
Only detected constituents are shown
MSCC - Maximum Soil Contaminant Concentrations
"<" = Indicates compound was not detected above laboratory reporting limit
NA - Not Analyzed
NE - Not Established
J - Result is an estimated value below the laboratory reporting limit
Volatile Organic Compounds analyzed by EPA Method 8260D
MADEP - Massachusetts Department of Environmental Protection; as required by North Carolina Department of Environmental Quality
VPH - Volatile Petroleum Hydrocarbon
Bold values indicate compound was detected above laboratory reporting limit
Shaded values indicate compound exceeded an MSCC
All units are milligram per kilogram (mg/kg)

Table 2
Summary of Delineation Soil Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report	Sample ID	Well ID	Sample Date	MADEP VPH (mg/kg)				Volatile Organic Compounds (EPA 8260D) (µg/kg)																																
				Aliphatic (C05-C08)	Aliphatic (C09-C12)	Aromatic (C09-C10), Unadjusted	Total VPH	Acetone	Benzene	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Chlorobenzene	Chloroform	2-Chlorotoluene	4-Chlorotoluene	1,1-Dichloroethane	1,2-Dichloroethane	trans-1,3-Dichloropropene	Diisopropyl ether	Ethylbenzene	Isopropylbenzene (Cumene)	p-Isopropyltoluene	Methylene Chloride	4-Methyl-2-pentanone (MIBK)	Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylene (Total)	m&p-Xylene	o-Xylene
Soil-to-Water MSCCs				**68**	**540**	**31**	**NE**	**24,000**	**7.2**	**16,000**	**2,400**	**2,200**	**1,700**	**440**	**340**	**NE**	**280**	**30**	**1.9**	**300**	**320**	**8,000**	**1,300**	**120**	**23**	**420**	**85**	**200**	**1,400**	**900**	**4**	**5.0**	**5,400**	**6,600**	**6,600**	**6,000**	**NE**	**NE**
Residential MSCCs				**625**	**1,560**	**469**	**NE**	**14,000,000**	**12,000**	**9,380,000**	**782,000**	**1,560,000**	**1,560,000**	**312,000**	**21,000**	**NE**	**312,000**	**116,000**	**7,290**	**140,000**	**NE**	**60,300**	**1,560,000**	**1,560,000**	**93,800**	**1,250,000**	**156,000**	**5,500**	**1,560,000**	**3,120,000**	**25,200**	**93,800**	**1,250,000**	**156,000**	**156,000**	**3,120,000**	**NE**	**NE**
Industrial / Commercial MSCCs				**9,340**	**23,300**	**7,000**	**NE**	**210,000,000**	**59,400**	**140,000,000**	**11,600,000**	**23,300,000**	**23,300,000**	**4,670,000**	**105,000**	**NE**	**4,670,000**	**573,000**	**35,900**	**2,100,000**	**2,330,000**	**297,000**	**23,300,000**	**23,300,000**	**1,400,000**	**18,600,000**	**1,810,000**	**27,000**	**23,300,000**	**46,700,000**	**125,000**	**1,400,000**	**18,600,000**	**2,330,000**	**2,330,000**	**46,700,000**	**NE**	**NE**
92494208	MW-1 (17.5-20)	MW-01	09/04/2020	<7.36	<7.36	<7.36	<7.36	<145	<7.2	<145	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<28.9	<72.3	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<14.5	<14.5	<7.2
92494208	MW-1 (20-22.5)	MW-01	09/04/2020	<7.57	<7.57	<7.57	<7.57	<127	<6.3	<127	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<25.3	<63.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<12.7	<12.7	<6.3
92492458	MW-2 (12.5-15)	MW-02	08/25/2020	NA	NA	NA	NA	<64.6	<3.2	<64.6	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<12.9	<32.3	<3.2	**5.6**	<3.2	<3.2	<3.2	<3.2	**4.0**	**14.0**	**3.5**	**12.0**	**8.3**	**3.6**
92492458	MW-2 (22.5-25)	MW-02	08/25/2020	NA	NA	NA	NA	<91.3	<4.6	<91.3	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<18.3	<45.7	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<9.1	<9.1	<4.6
92492672	MW-3 (15-17.5)	MW-03	08/25/2020	NA	NA	NA	NA	<99.8	<5	<99.8	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	**5.5**	<20	<49.9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5
92492672	MW-3 (2.5-5)	MW-03	08/25/2020	NA	NA	NA	NA	<110	<5.5	<110	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	**15.9**	<22	<55.1	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<11	<11	<5.5
92493060	MW-4 (15-17.5)	MW-04	08/28/2020	<7.52	<7.52	<7.52	<7.52	<98.1	<4.9	<98.1	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<19.6	<49	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<9.8	<9.8	<4.9
92493060	MW-4 (5-7.5)	MW-04	08/28/2020	<8.46	<8.46	<8.46	<8.46	<110	<5.5	<110	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<22.1	<55.1	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<11	<11	<5.5
92493075	MW-5 (20-22.5)	MW-05	08/28/2020	<7.72	<7.72	<7.72	<7.72	<97.6	<4.9	<97.6	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<19.5	<48.8	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<9.8	<9.8	<4.9
92493075	MW-5 (7.5-10)	MW-05	08/28/2020	<8.26	<8.26	<8.26	<8.26	<101	<5	<101	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<20.1	<50.3	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10.1	<10.1	<5
92493224	MW-6 (1-2.5)	MW-06	08/29/2020	<7.86	<7.86	<7.86	<7.86	<154	<7.7	<154	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<30.9	<77.1	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<15.4	<15.4	<7.7
92493224	MW-6 (15-17.5)	MW-06	08/29/2020	<7.51	<7.51	<7.51	<7.51	<114	<5.7	<114	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<22.7	<56.8	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<11.4	<11.4	<5.7
92493224	MW-7 (15-17.5)	MW-07	08/30/2020	<6.96	<6.96	<6.96	<6.96	<103	<5.1	<103	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<20.5	<51.3	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<10.3	<10.3	<5.1
92493224	MW-7 (5-7.5)	MW-07	08/30/2020	<8.26	<8.26	<8.26	<8.26	<101	<5	<101	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<20.2	<50.4	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10.1	<10.1	<5
92493110	RW-07_(32.5-35)	MW-08	08/29/2020	<5.89	<5.89	<5.89	<5.89	<98.6	<4.9	<98.6	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<19.7	<49.3	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<9.9	<9.9	<4.9
92493224	MW-9 (20-22.5)	MW-09	08/31/2020	<7.53	<7.53	<7.53	<7.53	<97.8	<4.9	<97.8	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<19.6	<48.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<9.8	<9.8	<4.9
92493224	MW-9 (7.5-10)	MW-09	08/31/2020	<8.39	<8.39	<8.39	<8.39	<108	<5.4	<108	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<21.5	<53.9	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<10.8	<10.8	<5.4
92493403	MW-10 (22.5-25)	MW-10	08/31/2020	<5.34	<5.34	<5.34	<5.34	<85.1	<4.3	<85.1	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<17	<42.6	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<8.5	<8.5	<4.3
92493403	MW-10 (7.5-10)	MW-10	08/31/2020	<9.2	<9.2	<9.2	<9.2	<114	<5.7	<114	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<22.8	<57	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<11.4	<11.4	<5.7
92493992	MW-11_(37.5-40')	MW-11	09/01/2020	<6.16	<6.16	<6.16	<6.16	<61.6	<1.23	<123	<15.4	<15.4	<6.16	<3.08	<3.08	<3.08	<6.16	<3.08	<3.08	<6.16	<1.23	<3.08	<3.08	<6.16	<30.8	<30.8	<1.23	<15.4	<6.16	<15.4	<3.08	<3.08	<6.16	<6.16	<6.16	<8.01	<4.93	<3.08
92492881	SB-118 (2.5-5)	MW-12	08/27/2020	<7.88	<7.88	<7.88	<7.88	<91.7	<4.6	<91.7	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<18.3	<45.8	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<9.2	<9.2	<4.6
92492881	SB-118 (20-22.5)	MW-12	08/27/2020	<7.11	<7.11	<7.11	<7.11	<97.4	<4.9	<97.4	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<19.5	<48.7	<4.9	<4.9	<4.9	<4.9	NA	<4.9	<4.9	<4.9	<4.9	<9.7	<9.7	<4.9
92493992	MW-13_(25-27.5)	MW-13	09/01/2020	<8.04	<8.04	<8.04	<8.04	<80.4	<1.61	<161	<20.2	<20.2	<8.04	<4.02	<4.02	<4.02	<8.04	<4.02	<4.02	<8.04	<1.61	<4.02	<4.02	<8.04	<40.2	<40.2	<1.61	<20.2	<8.04	<20.2	<4.02	<4.02	<8.04	<8.04	<8.04	<10.5	<6.44	<4.02
92493992	B-01_MW-14_(25'-27.5')	MW-14	09/01/2020	<7.56	<7.56	<7.56	<7.56	<106	<5.3	<106	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<21.1	<52.9	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<10.6	<10.6	<5.3
92493643	MW-15 (27.5-29)	MW-15	09/02/2020	<7.69	<7.69	<7.69	<7.69	<97.3	<4.9	<97.3	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<19.5	<48.7	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<9.7	<9.7	<4.9
92493643	MW-15 (5-7.5)	MW-15	09/02/2020	<8.27	<8.27	<8.27	<8.27	<105	<5.3	<105	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<21	<52.5	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<10.5	<10.5	<5.3
92493992	B-04_MW-16_(25'-27.5')	MW-16	09/02/2020	<7.69	<7.69	<7.69	<7.69	<121	<6	<121	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<24.1	<60.3	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<12.1	<12.1	<6
92493992	MW-17_(27.5-30)	MW-17	09/02/2020	<8.34	<8.34	<8.34	<8.34	<83.4	<1.67	<167	<20.8	<20.8	<8.34	<4.17	<4.17	<4.17	<8.34	<4.17	<4.17	<8.34	<1.67	<4.17	<4.17	<8.34	<41.7	<41.7	<1.67	<20.8	<8.34	<20.8	<4.17	<4.17	<8.34	<8.34	<8.34	**11.3**	**8.21**	<4.17
92493861	BH-03 (10-12.5)	MW-18	09/02/2020	<8.17	<8.17	<8.17	<8.17	<140	<7	<140	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<28.1	<70.2	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<14	<14	<7
92493861	BH-03 (32.5-35)	MW-18	09/02/2020	<6.95	<6.95	<6.95	<6.95	<139	<6.9	<139	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<27.7	<69.3	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<13.9	<13.9	<6.9
92493992	MW-19_(25-27.5)	MW-19	09/02/2020	<8.27	<8.27	<8.27	<8.27	<82.7	<1.65	<165	<20.7	<20.7	<8.27	<4.14	<4.14	<4.14	<8.27	<4.14	<4.14	<8.27	<1.65	<4.14	<4.14	<8.27	<41.4	<41.4	<1.65	<20.7	<8.27	<20.7	<4.14	<4.14	<8.27	<8.27	<8.27	<10.8	<6.62	<4.14
92493861	BH-04 (10-12.5)	MW-20	09/02/2020	<7.76	<7.76	<7.76	<7.76	<164	<8.2	<164	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<32.9	<82.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<16.4	<16.4	<8.2
92493861	BH-04 (27.5-29)	MW-20	09/02/2020	<6.38	<6.38	<6.38	<6.38	<149	<7.5	<149	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<29.9	<74.7	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<14.9	<14.9	<7.5
92494163	MW-21_(25-27.5)	MW-21	09/03/2020	<7.55	<7.55	<7.55	<7.55	<75.5	<1.51	<151	<18.9	<18.9	<7.55	<3.77	<3.77	<3.77	<7.55	<3.77	<3.77	<7.55	<1.51	<3.77	<3.77	<7.55	<37.7	<37.7	<1.51	<18.9	<7.55	<18.9	<3.77	<3.77	<7.55	<7.55	<7.55	<9.81	<6.04	<3.77
92494208	BH-05 (15-17.5)	MW-22	09/03/2020	<7.7	<7.7	<7.7	<7.7	<184	<9.2	<184	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<36.8	<92	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<18.4	<18.4	<9.2
92494208	BH-05 (5.75-7.5)	MW-22	09/03/2020	<8.1	<8.1	<8.1	<8.1	<118	<5.9	<118	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<23.5	<58.8	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<11.8	<11.8	<5.9
92494163	MW-23_(25-27.5)	MW-23	09/03/2020	<7.87	<7.87	<7.87	<7.87	<120	<6	<120	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<24.1	<60.2	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<12	<12	<6
92494208	BH-06 (22.5-25)	MW-24	09/03/2020	<6.76	<6.76	<6.76	<6.76	<120	<6	<120	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<24	<60.1	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<12	<12	<6
92494208	BH-06 (32.5-35)	MW-24	09/03/2020	<7.08	<7.08	<7.08	<7.08	<133	<6.7	<133	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<26.7	<66.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<13.3	<13.3	<6.7
92494208	BH-07 (2.5-5)	MW-25	09/04/2020	<7.84	<7.84	<7.84	<7.84	<139	<7	<139	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<27.9	<69.7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<13.9	<13.9	<7
92494208	BH-07 (30-32.5)	MW-25	09/04/2020	<8.02	<8.02	<8.02	<8.02	<127	<6.3	<127	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<25.3	<63.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<12.7	<12.7	<6.3
92494208	BH-08 (20-22.5)	MW-26	09/04/2020	<7.03	<7.03	<7.03	<7.03	<120	<6	<120	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<23.9	<59.8	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<12	<12	<6
92494208	BH-08 (22.5-25)	MW-26	09/04/2020	<6.57	<6.57	<6.57	<6.57	<121	<6	<121	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<24.2	<60.5	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<12.1	<12.1	<6
92494609	BH-11 (2.5-5)	MW-27	09/05/2020	<8.86	<8.86	<8.86	<8.86	<153	<7.7	<153	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<30.7	<76.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<15.3	<15.3	<7.7
92494609	BH-11 (22.5-25)	MW-27	09/05/2020	<6.84	<6.84	<6.84	<6.84	<125	<6.3	<125	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<25.1	<62.6	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<12.5	<12.5	<6.3
92494924	BH-12 (17.5-20)	MW-28	09/05/2020	<7.38	<7.38	<7.38	<7.38	<125	<6.3	<125	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<25	<62.6	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<12.5	<12.5	<6.3
92494924	BH-12 (22.5-25)	MW-28	09/05/2020	<7.87	<7.87	<7.87	<7.87	<129	<6.4	<129	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<25.8	<64.5	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<12.9	<12.9	<6.4
92494334	MW29-27.5-30'	MW-29	09/06/2020	<9.53	<9.53	<9.53	<9.53	<173	<8.6	<173	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<34.6	<86.4	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<17.3	<17.3	<8.6
92494334	ER9 66-22.5-25'	MW-30	09/06/2020	<7.59	<7.59	<7.59	<7.59	<97.9	<4.9	<97.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<19.6	<48.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<9.8	<9.8	<4.9
92494334	MW31-25-27.5'	MW-31	09/07/2020	<8.26	<8.26	<8.26	**11.6**	<101	<5.0	<101	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<20.1	<50.3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.1	<10.1	<5.0
92538150	MW-31D (15-17)	MW-31D	05/10/2021	<4.4	<4.4	<4.4	<4.4	<172	<8.6	<172	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<34.4	<86.1	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<17.2	<17.2	<8.6
92494609	BH-15 (12.5-15)	MW-32	09/07/2020	<8.49	<8.49	<8.49	<8.49	<124	<6.2	<124	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<24.9	<62.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<12.4	<12.4	<6.2
92494609	BH-15 (7.5-10)	MW-32	09/07/2020	<7.77	<7.77	<7.77	<7.77	<118	<5.9	<118	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<23.5	<58.8	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<11.8	<11.8	<5.9
92494609	BH-14 (10-12.5)	MW-33	09/05/2020	<7.09	<7.09	<7.09	<7.09	<118	<5.9	<118	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<23.6	<59.1	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<11.8	<11.8	<5.9
92494609	BH-14 (2.5-5)	MW-33	09/05/2020	<8.92	<8.92	<8.92	<8.92	<159	<8	<159	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<31.9	<79.7	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<15.9	<15.9	<8
92494609	BH-13 (1-2.5)	MW-34	09/05/2020	<8.28	<8.28	<8.28	<8.28	<173	<8.6	<173	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<34.6	<86.4	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<17.3	<17.3	<8.6
92494609	BH-13 (5-7.5)	MW-34	09/05/2020	<7.57	<7.57	<7.57	<7.57	<127	<6.4	<127	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<25.5	<63.7	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<12.7	<12.7	<6.4
92494609	BH-16 (20-22.5)	MW-35	09/07/2020	<8.28	<8.28	<8.28	<8.28	<125	<6.3	<125	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<25	<62.5	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<12.5	<12.5	<6.3
92494609	BH-16 (7.5-10)	MW-35	09/07/2020	<7.21	<7.21	<7.21	<7.21	<129	<6.5	<129	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<25.9	<64.7	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<12.9	<12.9	<6.5
92494609	BH-17 (1-2.5)	MW-36	09/08/2020	<9.09	<9.09	<9.09	<9.09	<230	<11.5	<230	<11.5	<11.5	<11.5	<11.5	<11.5	<11.5	<11.5	<11.5	<11.5	<11.5	<11.5	<11.5	<11.5	<11.5	<46	<115	<11.5	<11.5	<11.5	<11.5	<11.5	<11.5	<11.5	<11.5	<11.5	<23	<23	<11.5
92494609	BH-17 (22.5-25)	MW-36	09/08/2020	<7.84	<7.84	<7.84	<7.84	<141	<7.1	<141	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<28.3	<70.7	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<14.1	<14.1	<7.1
92494609	BH-18 (22.5-25)	MW-37	09/08/2020	<7.43	<7.43	<7.43	<7.43	<132	<6.6	<132	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<26.3	<65.8	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<13.2	<13.2	<6.6
92494609	BH-18 (5-7.5)	MW-37	09/08/2020	<8.5	<8.5	<8.5	<8.5	<128	<6.4	<128	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<25.7	<64.2	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4

Table 2
Summary of Delineation Soil Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report	Sample ID	Well ID	Sample Date	MADEP VPH (mg/kg)				Volatile Organic Compounds (EPA 8260D) (µg/kg)																															
				Aliphatic (C05-C08)	Aliphatic (C09-C12)	Aromatic (C09-C10), Unadjusted	Total VPH	Acetone	Benzene	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Chlorobenzene	Chloroform	2-Chlorotoluene	4-Chlorotoluene	1,1-Dichloroethane	1,2-Dichloroethane	trans-1,3-Dichloropropene	Diisopropyl ether	Ethylbenzene	Isopropylbenzene (Cumene)	p-Isopropyltoluene	Methylene Chloride	4-Methyl-2-pentanone (MIBK)	Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylene (Total)	m&p-Xylene	o-Xylene
Soil-to-Water MSCCs				**68**	**540**	**31**	**NE**	**24,000**	**7.2**	**16,000**	**2,400**	**2,200**	**1,700**	**440**	**340**	**NE**	**280**	**30**	**320**	**8,000**	**1,300**	**120**	**23**	**420**	**85**	**200**	**1,400**	**900**	**4**	**5.0**	**5,400**	**6,600**	**6,600**	**6,000**	**NE**	**NE**
Residential MSCCs				**625**	**1,560**	**469**	**NE**	**14,000,000**	**12,000**	**9,380,000**	**782,000**	**1,560,000**	**1,560,000**	**312,000**	**21,000**	**NE**	**312,000**	**116,000**	**7,290**	**140,000**	**NE**	**60,300**	**1,560,000**	**1,560,000**	**93,800**	**1,250,000**	**156,000**	**5,500**	**1,560,000**	**3,120,000**	**25,200**	**93,800**	**1,250,000**	**156,000**	**156,000**	**3,120,000**	**NE**	**NE**
Industrial / Commercial MSCCs				**9,340**	**23,300**	**7,000**	**NE**	**210,000,000**	**59,400**	**140,000,000**	**11,600,000**	**23,300,000**	**23,300,000**	**4,670,000**	**105,000**	**NE**	**4,670,000**	**573,000**	**35,900**	**2,100,000**	**2,330,000**	**297,000**	**23,300,000**	**23,300,000**	**1,400,000**	**18,600,000**	**1,810,000**	**27,000**	**23,300,000**	**46,700,000**	**125,000**	**1,400,000**	**18,600,000**	**2,330,000**	**2,330,000**	**46,700,000**	**NE**	**NE**
92495719	BH-21(25-27.5)	MW-49	09/15/2020	<7.53	<7.53	<7.53	<7.53	<115	<5.8	<115	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	**99.2**	<57.5	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<11.5	<11.5	<5.8
92495719	BH-22 (17.5-20)	MW-50	09/15/2020	<7.55	<7.55	<7.55	<7.55	<149	<7.4	<149	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<29.8	<74.5	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<14.9	<14.9	<7.4
92495719	BH-22 (25-27.5)	MW-50	09/15/2020	<8.73	<8.73	<8.73	<8.73	<136	<6.8	<136	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<27.1	<67.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<13.6	<13.6	<6.8
92496432	MW-5(25-27.5)	MW-51	09/18/2020	<7.30	<7.30	<7.30	<7.30	<117	<5.8	<117	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<23.4	<58.4	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<11.7	<11.7	<5.8
92497523	MW-52 (25-27.5)	MW-52	09/23/2020	<7.62	<7.62	**2.68**	**2.68**	<126	<6.3	<126	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<25.1	<62.8	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<12.6	<12.6	<6.3
92498039	MW-54 (15'-17.5')	MW-54	09/28/2020	<8.26	<8.26	<8.26	<8.26	<104	<5.2	<104	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<20.8	<51.9	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<10.4	<10.4	<5.2
92498039	MW-55 (58')	MW-55	09/29/2020	<6.26	<6.26	<6.26	<6.26	<99.8	<5.0	<99.8	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<20.0	<49.9	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<10	<5.0
92498395	MW-56 @ 15'	MW-56	09/30/2020	<6.86	<6.86	<6.86	<6.86	<107	<5.4	<107	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<21.4	<53.6	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<10.7	<10.7	<5.4
92498395	MW-57 @ 12'	MW-57	09/30/2020	<8.05	<8.05	<8.05	<8.05	<114	<5.7	<114	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<22.7	<56.9	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<11.4	<11.4	<5.7
92498540	MW-58 @30'	MW-58	10/02/2020	NA	NA	NA	NA	<123	<6.2	<123	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<24.7	<61.7	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<12.3	<12.3	<6.2
92498670	MW-59@30	MW-59	10/02/2020	<5.70	<6.48	**1.95J**	<6.48	<113	<5.7	<113	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<22.6	<56.6	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<11.3	<11.3	<5.7
92498670	MW-60@25-27.5	MW-60	10/03/2020	NA	NA	NA	NA	<126	<6.3	**59.6J**	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	**67.0**	<63.0	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<12.6	<12.6	<6.3
92512978	MW-64 (36'-38')	MW-64	12/17/2020	<6.60	**6.74**	**11.1**	**17.8**	<126	<6.3	<126	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<25.1	<62.8	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<12.6	<12.6	<6.3
92513387	MW-65 (25')	MW-65	12/22/2020	<7.30	<7.30	<7.30	<7.30	<152	<7.6	<152	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<30.3	<75.9	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<15.2	<15.2	<7.6
92513891	MW-66 40'-42'	MW-66	12/22/2020	<5.83	<5.83	<5.83	<5.83	<59.1	<1.18	<118	<14.8	<14.8	<5.91	<2.96	<2.96	<2.96	<5.91	<2.96	<2.96	<5.91	<1.18	<2.96	<2.96	<5.91	<29.6	<29.6	<1.18	<14.8	<5.91	<14.8	<2.96	<2.96	<5.91	<5.91	<5.91	<7.68	NA	NA
92513891	MW-66 40'-42'	MW-66	12/22/2020	<7.96	<7.96	<7.96	<7.96	<57.7	<1.15	<115	<14.4	<14.4	<5.77	<2.88	<2.88	<2.88	<5.77	<2.88	<2.88	<5.77	<1.15	<2.88	<2.88	<5.77	<28.8	<28.8	<1.15	<14.4	<5.77	<14.4	<2.88	<2.88	<5.77	<5.77	<5.77	<7.5	NA	NA
92513380	PMW 67 36-37	MW-67	12/21/2020	<6.21	<6.21	<6.21	<6.21	<62.1	<1.24	<124	<15.5	<15.5	<6.21	<3.1	<3.1	<3.1	<6.21	<3.1	<3.1	<6.21	<1.24	<3.1	<3.1	<6.21	<31	<31	<1.24	<15.5	<6.21	<15.5	<3.1	<3.1	<6.21	<6.21	<6.21	<8.07	NA	NA
92513380	PMW-67 36-37	MW-67	12/21/2020	<6.28	<6.28	<6.28	<6.28	<62.8	<1.26	<126	<15.7	<15.7	<6.28	<3.14	<3.14	<3.14	<6.28	<3.14	<3.14	<6.28	<1.26	<3.14	<3.14	<6.28	<31.4	<31.4	<1.26	<15.7	<6.28	<15.7	<3.14	<3.14	<6.28	<6.28	<6.28	<8.16	NA	NA
92513891	MW-68 30'-32'	MW-68	12/23/2020	<7.93	<7.93	<7.93	<7.93	<247	<12.4	<247	<12.4	<12.4	<12.4	<12.4	<12.4	<12.4	<12.4	<12.4	<12.4	<12.4	<12.4	<12.4	<12.4	<12.4	<49.4	<124	<12.4	<12.4	<12.4	<12.4	<12.4	<12.4	<12.4	<12.4	<24.7	<24.7	<12.4
92512978	MW-69 (44'-46')	MW-69	12/15/2020	<6.61	**13.7**	**15.0**	**32.0**	<133	<6.7	<133	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<26.6	<66.6	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<13.3	<13.3	<6.7
92514963	MW-71 (50-52)	MW-71	01/05/2021	<5.81	**22.2**	<5.81	**30.2**	<142	<7.1	<142	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<28.3	<70.8	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<14.2	<14.2	<7.1
92521220	MW-74 (15'-17')	MW-74	02/06/2021	<7.79	<7.79	<7.79	<7.79	<77.9	<1.56	<156	<19.5	<19.5	<7.79	<3.89	<3.89	<3.89	<7.79	<3.89	<3.89	<7.79	<1.56	<3.89	<3.89	<7.79	<38.9	<38.9	<1.56	<19.5	<7.79	<19.5	<3.89	<3.89	<7.79	<7.79	<7.79	<10.1	NA	NA
92521220	MW-75 (30'-32')	MW-75	02/06/2021	<8.27	<8.27	<8.27	<8.27	<82.7	<1.65	<165	<20.7	<20.7	<8.27	<4.13	<4.13	<4.13	<8.27	<4.13	<4.13	<8.27	<1.65	<4.13	<4.13	<8.27	<41.3	<41.3	<1.65	<20.7	<8.27	<20.7	<4.13	<4.13	<8.27	<8.27	<8.27	<10.8	NA	NA
92521595	MW-76 (25'-27')	MW-76	02/10/2021	<6.42	<6.42	<6.42	<6.42	<61.5	<1.23	<123	<15.4	<15.4	<6.15	<3.07	<3.07	<3.07	<6.15	<3.07	<3.07	<6.15	<1.23	<3.07	<3.07	<6.15	<30.7	<30.7	<1.23	<15.4	<6.15	<15.4	<3.07	<3.07	<6.15	<6.15	<6.15	<7.99	<4.92	<3.07
92525140	MW-80 (20-22)	MW-80	03/02/2021	<7.940	<7.940	<7.940	<7.940	<78.3	<1.57	<157	<19.6	<19.6	<7.83	<3.92	<3.92	<3.92	<7.83	<3.92	<3.92	<7.83	<1.57	<3.92	<3.92	<7.83	<39.2	<39.2	<1.57	<19.6	<7.83	<19.6	<3.92	<3.92	<7.83	<7.83	<7.83	<10.2	<6.27	<3.92
92525771	MW-81 (15'-17')	MW-81	03/03/2021	<7.43	<7.43	<7.43	<7.43	<71.9	<1.44	<144	**96.3**	**49.2**	<7.19	<3.59	<3.59	<3.59	**212**	<3.59	<3.59	<7.19	<1.44	**9.39**	**43.7**	<7.19	<35.9	<35.9	<1.44	<18.0	**222**	<18.0	<3.59	<3.59	<7.19	**29.2**	<7.19	<9.35	**6.61**	<3.59
92525771	MW-82 (15'-17')	MW-82	03/03/2021	<7.27	<7.27	<7.27	<7.27	<90.5	<1.81	<181	**95.4**	**47.6**	<9.05	<4.53	<4.53	<4.53	<9.05	<4.53	<4.53	<9.05	<1.81	**6.20**	**37.5**	**18.4**	<45.3	<45.3	<1.81	<22.6	**170**	<22.6	<4.53	<4.53	<9.05	**31.4**	**18.5**	<11.8	<7.24	<4.53
92527131	MW-83 (40-42)	MW-83	03/05/2021	<6.02	<6.02	<6.02	<6.02	<60.3	<1.21	<121	<15.1	<15.1	<6.03	<3.01	<3.01	<3.01	<6.03	<3.01	<3.01	<6.03	<1.21	<3.01	<3.01	<6.03	<30.1	<30.1	<1.21	<15.1	<6.03	<15.1	<3.01	<3.01	<6.03	<6.03	<6.03	<7.83	<4.82	<3.01
92527131	MW-84 (20-22)	MW-84	03/06/2021	<8.34	<8.34	<8.34	<8.34	<80.3	<1.61	<161	<20.0	<20.0	<8.03	<4.02	<4.02	<4.02	<8.03	<4.02	<4.02	<8.03	<1.61	<4.02	<4.02	<8.03	<40.2	<40.2	<1.61	<20.0	<8.03	<20.0	<4.02	<4.02	<8.03	<8.03	<8.03	<10.4	<6.42	<4.02
92534559	MW-87 20210421	MW-87	05/06/2021	<3.6	<3.6	<3.6	<3.6	<122	<6.1	<122	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<24.5	<61.2	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<12.2	<12.2	<6.1
92535726	MW-88 20-22_20210427	MW-88	04/27/2021	<5.7	<5.7	<5.7	<5.7	<183	<9.2	<183	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<36.6	<91.5	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<18.3	<18.3	<9.2
92535726	MW-88 50-52_20210427	MW-88	04/27/2021	<6.8	<6.8	<6.8	<6.8	<183	<9.2	<183	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<36.7	<91.7	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<18.3	<18.3	<9.2
92535726	MW-88 52-54_20210428	MW-88	04/27/2021	<4.5	<4.5	<4.5	<4.5	<190	<9.5	<190	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<38	<95	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<19	<19	<9.5
92536024	MW-89 38-40_20210429	MW-89	04/29/2021	<4.6	<4.6	<4.6	<4.6	<184	<9.2	<184	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<36.9	<92.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<18.4	<18.4	<9.2
92536024	MW-89 50-52_20210429	MW-89	04/29/2021	<4.1	<4.1	<4.1	<4.1	<177	<8.9	<177	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<35.5	<88.7	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<17.7	<17.7	<8.9
92536024	MW-89 52-54_20210429	MW-89	04/29/2021	<4.3	<4.3	<4.3	<4.3	<163	<8.2	<163	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<32.7	<81.7	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<16.3	<16.3	<8.2
92539536	PMW-90D (18'-20')	MW-90D	05/17/2021	**424**	**602**	**226**	**1,030**	**1,100J**	**291**	<,1360	**2,640**	<67.8	<67.8	<67.8	<67.8	<67.8	<67.8	<67.8	<67.8	<67.8	**71.0**	**9,200**	**1,570**	**2,120**	<271	**1,310**	<67.8	**5,300**	**5,470**	<67.8	<67.8	<67.8	<67.8	**8,520**	**36,700**	**8,890**	**58,800**	**40,000**	**18,800**
92539923	PMW-91D(14'-16')	MW-91D	05/18/2021	**2,820**	**1,800**	**439**	**4,620**	<4,360	**4,740**	<4,360	**6,530**	<218	<218	<218	<218	<218	<218	<218	<218	<218	**782**	**55,000**	**5,170**	**4,910**	<873	**6,440**	**114J**	**10,200**	<218	<218	<218	<218	**94,700**	**98,100**	<218	**320,000**	**226,000**	**94,800**
92492881	RW-4 (15-17.5) Duplicate	RW-4	08/27/2020	NA	NA	NA	NA	<95	<4.7	<95	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<19	<47.5	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	**5.1**	<4.7	<4.7	<9.5	<9.5	<4.7
92492881	RW-4 (15-17.5)	RW-04	08/27/2020	<7.53	<7.53	<7.53	<7.53	<95	<4.7	<95	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<19	<47.5	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<9.5	<9.5	<4.7
92492881	RW-4 (20-22.5)	RW-04	08/27/2020	<7.37	<7.37	<7.37	<7.37	<88.1	<4.4	<88.1	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	**4.6**	<4.4	<4.4	<17.6	<44	<4.4	**7.5**	<4.4	<4.4	<4.4	<4.4	<4.4	**24.3**	**11.3**	<4.4	**24.9**	**14.6**	**10.2**
92493095	RW-5_(30-32.5)	RW-05	08/28/2020	**11.3**	**12.7**	<6.95	NA	<638	**1,470**	<638	**704**	<31.9	<31.9	<31.9	<31.9	<31.9	<31.9	<31.9	<31.9	<31.9	<31.9	**5,920**	**641**	**631**	<128	<319	<31.9	**2,010**	<31.9	<31.9	<31.9	<31.9	**18,800**	**14,800**	**4,260**	**32,400**	**23,100**	**9,320**
92493096	RW-6 (37.5-40)	RW-06	08/28/2020	**392**	**641**	**259**	NA	<1,570	**1,130**	<1,570	**2,990**	<78.5	<78.5	<78.5	<78.5	<78.5	<78.5	<78.5	<78.5	<78.5	<78.5	**14,200**	**1,890**	<78.5	<314	<785	<78.5	**10,100**	<78.5	<78.5	<78.5	<78.5	**29,800**	**53,100**	**14,900**	**83,600**	**58,000**	**25,700**
92493643	BH-02 (27.5-30)	RW-07	09/02/2020	**904**	**770**	**438**	**2,110**	<310	**457**	<310	<15.5	<15.5	<15.5	<15.5	<15.5	<15.5	<15.5	<15.5	<15.5	<15.5	**40.4**	**3,490**	<15.5	**488**	**89.6**	<155	<15.5	**1,980**	<15.5	<15.5	<15.5	<15.5	**7,530**	**10,900**	**2,950**	**21,500**	**14,700**	**6,760**
92493643	BH-02 (32.5-35)	RW-07	09/02/2020	**6,960**	**3,750**	**1,650**	**12,400**	<11,800	**24,400**	<11,800	<592	<592	<592	<592	<592	<592	<592	<592	<592	<592	**1,280**	**147,000**	<592	<592	<2,370	<5,920	<592	**35,900**	<592	<592	<592	<592	**399,000**	**326,000**	**89,800**	**856,000**	**600,000**	**256,000**
92493136	RW-09_(22.5-25)	RW-09	08/30/2020	<7.38	<7.38	<7.38	NA	<108	**66.5**	<108	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	**78.4**	<5.4	**12.9**	<21.7	<54.2	<5.4	**20.5**	<5.4	<5.4	<5.4	<5.4	**269**	**219**	**67.6**	**436**	**313**	**123**
92493992	RW-11_(25-27.5)	RW-11	09/02/2020	<6.72	<6.72	<6.72	<6.72	<67.2	**34**	<134	**23.5**	<16.8	<6.72	<3.36	<3.36	<3.36	<6.72	<3.36	<3.36	<6.72	**3.87**	**34.4**	**5.87**	<6.72	<33.6	<33.6	<1.34	<16.8	<6.72	<16.8	<3.36	<3.36	**224**	**27.7**	<6.72	<8.74	**131**	**46.1**
92493992	RW-11_(27.5-30)	RW-11	09/02/2020	**201**	**76.2**	**41.1**	**319**	<60.3	**912**	<121	**1,070**	**380**	<6.03	<3.01	<3.01	<3.01	<6.03	<3.01	<3.01	<6.03	<1.21	**4,260**	**839**	**248**	<30.1	<30.1	**8.16**	**1,770**	**1,640**	<15.1	<3.01	<3.01	**11,500**	**10,800**	**2,700**	**22,400**	**16,000**	**6,340**
92494609	BH-10 (10-12.5)	RW-18	09/04/2020	<8.49	<8.49	<8.49	<8.49	<152	<7.6	<152	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	**12.4**	<7.6	<7.6	<30.5	<76.2	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	**58.5**	**18.8**	<7.6	**59.2**	**40.1**	**19.1**
92494609	BH-10 (22.5-25)	RW-18	09/04/2020	**344**	**711**	**311**	**1,060**	<2,860	**913**	<2,860	<143	<143	<143	<143	<143	<143	<143	<143	<143	<143	<143	**18,200**	<143	<143	<573	<1430	<143	**10,300**	<143	<143	<143	<143	**28,400**	**78,000**	**22,300**	**112,000**	**76,200**	**35,500**
92497664	RW-36 (22.5-25)	RW-36	09/27/2020	<6.78	<6.78	**2.39**	**2.39**	<146	<7.3	<146	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<29.1	<72.8	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<14.6	<14.6	<7.3
92497664	RW-37 (25-30)	RW-37	09/27/2020	<6.79	<6.79	**2.35**	**2.35**	<129	<6.4	<129	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<25.7	<64.3	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<12.9	<12.9	<6.4
92498670	RW-40@25-27.5	RW-40	10/03/2020	NA	NA	NA	NA	<116	<5.8	**55.1J**	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	**47.2**	<57.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<11.6	<11.6	<5.8
92509149	PMW-11@ (46'-48')	MW-48	11/30/2020	**113**	**284**	**321**	**397**	<130	**32.2**	<130	**465**	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	**705**	**157**	<6.5	<26	**167**	<6.5	**1,680**	**662**	<6.5	<6.5	<6.5	**798**	**5,990**	**1,720**	**3,930**	**2,560**	**1,380**
92518156	RW-51(45-47)	RW-51	01/18/2021	**1,290**	**1,280**	**589**	**3,160**	<5,370	**7,260**	<10,700	**6,670**	**2,510**	<537	<269	<269	<269	<537	<269	<269	<537	**513**	**57,700**	**6,650**	**1,440**	<2,690	<2,690	<107	**18,500**	**25,400**	<1,340	<269	<269	**136,000**	**133,000**	**43,000**	**310,000**	NA	NA
92518156	RW-52(30-32)	RW-52	01/18/2021	**2,640**	**2,360**	**709**	**5,720**	<15,700	**60,100**	<31,500	**4,580**	<3,930	<1570	<787	<787	<787	<1,570	<787	<787	<1570	**1,700**	**140,000**	**10,000**	<1,570	<7,870	<7,870	<315	**38,200**	**35,700**	<3,930	<787	<787	**681,000**	**186,000**	**50,200**	**703,000**	NA	NA
92520906	HCW-24	HCW-24	02/06/2021	**7.11**	<5.64	<5.64	**7.11**	<56.6	<1.13	<113	<14.1	<14.1	<5.66	<2.83	<2.83	<2.83	<5.66	<2.83	<2.83	<5.66	<1.13	<2.83	<2.83	<5.66	<28.3	<28.3	<1.13	<14.1	<5.66	<14.1	<2.83	<2.83	<5.66	<5.66	<5.66	<7.36	NA	NA
92537163	RW-63 40-42	MW-63	05/05/2021	**19,200**	**18,200**	**5,130**	**37,500**	<30,400	**21,700**	<30,400	**55,100**	<1,520	<1520	<1,520	<1520	<1,520	<1520	<1,520	<1520	<1520	**4,760**	**440,000**	**48,500**	**49,900**	<6,090	**26,200**	<1,520	**130,000**	**184,000**	<1,520	<1,520	<1,520	**813,000**	**1,110,000**	**323,000**	**2,660,000**	**1,850,000**	**808,000**
92537163	RW-63 42-44	MW-63	05/05/2021	**26,400**	**20,000**	**5,630**	**46,300**	<34,900	**50,500**	<34,900	**61,300**	<1,750	<1750	<1,750	<1750	<1,750	<1750	<1,750	<1750	<1750	**10,900**	**578,000**	**61,700**	**57,500**	<6,980	<17,500	<1,750	**174,000**	**222,000**	<1,750	<1,750	<1,750	**1,230,000**	**1,370,000**	**395,000**	**3,450,000**	**2,400,000**	**1,050,000**
92537482	RW-64 10-12_20210506	RW-64	05/06/2021	**100**	**97.0**	**27.4**	**197**	<221	**1,280**	<221	<11.1	<11.1	<11.1	<11.1	<11.1	<11.1	<11.1	<11.1	<11.1	<11.1	**239**	**1230**	**72.0**	**56.4**	<44.2	<111	<11.1	**169**	**246**	<11.1	<11.1	<11.1	**8,030**	**1,630**	<11.1	**7,460**	**5,220**	**2,250**
92537482	RW-64 20-22_20210506	RW-64	05/06/2021	**8,610**	**6,760**	**1,600**	**15,400**	<11,800	**13,700**	<11,800	**17,800**	<591	<591	<591	<591	<591	<591	<591	<591	<591	**1,430**	**182,000**	**17,200**	**15,900**	<2,370	**14,600**	<591	**36,900**	**62,500**	<591	<591	<591	**411,000**	**351,000**	**101,000**	**1,060,000**	**751,000**	**314,000**
92537482	RW-65 4-6_20210506	RW-65	05/06/2021	**18.2**	<6.3	<6.3	**21.4**	<264	**889**	<264	<13.2	<13.2	<13.2	<13.2	<13.2	<13.2	<13.2	<13.2	<13.2	<13.2	**34.8**	**270**	<13.2	<13.2	<52.8	<132	<13.2	<13.2	<13.2	<13.2	<13.2	<13.2	**3,210**	**91.7**	<13.2	**1,340**	**967**	**368**
92537482	RW-65 20-22_20210506	RW-65	05/06/2021	**19,100**	**21,100**	**6,810**	**40,200**	<2,070	**898**	<2,070	**3,320**	<103	<103	<103	<103	<103	<103	<103	<103	<103	**102J**	**14,300**	**2,240**	**2,880**	<413	**2,150**	<103	**8,020**	**8,960**	<103	<103	<103	**22,300**	**

Table 2
Summary of Delineation Soil Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report	Sample ID	Well ID	Sample Date	MADEP VPH (mg/kg)				Volatile Organic Compounds (EPA 8260D) (µg/kg)																														
				Aliphatic (C05-C08)	Aliphatic (C09-C12)	Aromatic (C09-C10), Unadjusted	Total VPH	Acetone	Benzene	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Chlorobenzene	Chloroform	2-Chlorotoluene	4-Chlorotoluene	1,1-Dichloroethane	1,2-Dichloroethane	trans-1,3-Dichloropropene	Diisopropyl ether	Ethylbenzene	Isopropylbenzene (Cumene)	p-Isopropyltoluene	Methylene Chloride	4-Methyl-2-pentanone (MIBK)	Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylene (Total)	m&p-Xylene	o-Xylene
Soil-to-Water MSCCs				68	540	31	NE	24,000	7.2	16,000	2,400	2,200	1,700	440	340	NE	280	30	1.9	300	320	8,000	1,300	120	23	420	85	200	1,400	900	4	5.0	5,400	6,600	6,600	6,000	NE	NE
Residential MSCCs				625	1,560	469	NE	14,000,000	12,000	9,380,000	782,000	1,560,000	1,560,000	312,000	21,000	NE	312,000	116,000	7,290	140,000	NE	60,300	1,560,000	1,560,000	93,800	1,250,000	156,000	5,500	1,560,000	3,120,000	25,200	93,800	1,250,000	156,000	156,000	3,120,000	NE	NE
Industrial / Commercial MSCCs				9,340	23,300	7,000	NE	210,000,000	59,400	140,000,000	11,600,000	23,300,000	23,300,000	4,670,000	105,000	NE	4,670,000	573,000	35,900	2,100,000	2,330,000	297,000	23,300,000	23,300,000	1,400,000	18,600,000	1,810,000	27,000	23,300,000	46,700,000	125,000	1,400,000	18,600,000	2,330,000	2,330,000	46,700,000	NE	NE
92541460	RW-69 34-35_20210528	RW-69	05/28/2021	24,200	27,400	8,030	51,600	<30,200	28,800	<30,200	35,800	<1,510	<1,510	<1,510	<1510	<,1510	<1,510	<1,510	<1,510	<1510	1,980	331,000	34,200	34,100	<6,040	<15,100	<1,510	92,500	<1,510	<1,510	<1,510	<1,510	762,000	823,000	203,000	1,920,000	1,350,000	567,000
92554243	RW-70 46-48_20210806	RW-70	08/06/2021	15,200	4,120	1,770	21,100	<40,500	130,000	<40,500	<2,030	<2,030	<2,030	<2,030	<2,030	<2,030	<2,030	<2,030	<2,030	<2030	7,130	297,000	<2,030	<2,030	<8,110	<20,300	<2,030	87,300	<2,030	13,200	<2,030	<2,030	1,270,000	557,000	151,000	1,480,000	1,030,000	442,000
92551500	RW-71_20210721	RW-71	07/21/2021	<4.9	<4.9	<4.9	<4.9	<124	11.2	<124	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	28.6	3.6J	<6.2	<24.7	<61.9	<6.2	4.6J	<6.2	<6.2	<6.2	<6.2	79.0	56.0	19.1	152	113	38.7
92551500	RW-72 (54-56)_20210721	RW-72	07/21/2021	<5.3	<5.3	<5.3	<5.3	<111	<5.6	<111	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<22.2	<55.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	3.9J	<5.6	<5.6	<11.1	<11.1	<5.6
92551964	RW-73 (54-56)_20210727	RW-73	07/27/2021	<2.9	<2.9	<2.9	<2.9	<111	<5.5	<111	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<22.2	<55.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	3J	<5.5	<5.5	<11.1	<11.1	<5.5
92553562	RW-74 70-72_20210802	RW-74	08/02/2021	207	42.1	14.7	264	<124	155	<124	60.1	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	52.6	548	51.4	49.1	<24.9	<62.2	<6.2	97.5	187	21.2	<6.2	<6.2	1,330	1,010	283	2,770	2,020	746
92553562	RW-75 50-52_20210803	RW-75	08/03/2021	<3.6	<3.6	<3.6	<3.6	<137	<6.8	<137	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<27.4	<68.4	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	4.7J	<6.8	<6.8	<13.7	<13.7	<6.8
92553633	RW-76_20210804	RW-76	08/04/2021	<4.6	<4.6	<4.6	<4.6	<169	<8.4	<169	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<33.7	<84.3	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	6.1J	<8.4	<8.4	<16.9	<16.9	<8.4
92555328	RW-77 (38-40)_20210811	RW-77	08/11/2021	31.9	18.3	<3.2	51.3	<122	106	<122	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	47.0	81.1	<6.1	17.8	<24.3	<60.8	<6.1	132	<6.1	<6.1	<6.1	<6.1	364	238	<6.1	440	265	175
92555328	RW-77 (54-46)_20210811	RW-77	08/11/2021	7.8	5.2	<3	13.1	<108	46.1	<108	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	40.3	7.9	<5.4	<5.4	<21.6	<53.9	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	81.9	21.5	6.8	49.8	33.1	16.7
92555491	RW-78 (14'-16')_20210813	RW-78	08/13/2021	<3.7	<3.7	<3.7	<3.7	<152	<7.6	<152	<7.6	<7.6	<7.6	<7.6	6.1J	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<30.4	<76	<7.6	12.5	<7.6	<7.6	<7.6	<7.6	8.6	29.8	10.0	31.7	21.0	10.8
92555491	RW-78 (38-40')_20210813	RW-78	08/13/2021	<3.1	<3.1	<3.1	<3.1	<129	<6.4	<129	<6.4	<6.4	<6.4	<6.4	4.5J	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<25.8	<64.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<12.9	<12.9	<6.4
92555491	RW-78 (54-56')_20210813	RW-78	08/13/2021	<3.0	<3.0	<3.0	<3.0	<113	12.2	<113	<5.6	<5.6	<5.6	<5.6	4.1J	<5.6	<5.6	<5.6	<5.6	<5.6	3.2J	<5.6	<5.6	<5.6	<22.6	<56.4	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	28.0	<5.6	<5.6	8.3J	8.3J	<5.6
92556482	MW-89D (10-12')	MW-89D	08/18/2021	<3.2	<3.2	<3.2	3.2	64.5J	7.2	<125	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	3.7J	9.7	<6.3	<6.3	56.8	<62.6	<6.3	5.7J	<6.3	<6.3	<6.3	<6.3	64.1	<6.3	<6.3	31.7	31.7	<6.3
92556482	MW-89D (22-24')	MW-89D	08/18/2021	<3.1	<3.1	<3.1	<3.1	<124	6.4	<124	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	3.8J	<6.2	<6.2	<6.2	<24.9	<62.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	24.0	9.4	<6.2	26.5	18.4	8.0
92556482	MW-89D (32-34')*	MW-89D	08/18/2021	3.8	<3	<3	6.3	<123	51.9	<123	79.9	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	6.6	468	<6.2	59.6	<24.6	<61.6	<6.2	129	195	<6.2	<6.2	<6.2	973	1,200	336	2,360	1,710	644
92558402	RW-80 (28-30')	RW-80	08/26/2021	3,260	1,370	496	5,120	<3,480	4,640	<3480	4,960	<174	<174	172J	<174	<174	<174	<174	<174	<174	310	42,400	4,380	3,660	<696	5,810	<174	11,100	17,000	<174	<174	<174	118,000	94,200	26,900	235,000	169,000	66,300
92558402	RW-80 (36-38)*	RW-80	08/26/2021	2,510	949	354	3,810	<3,360	7,880	<3360	3,590	<168	<168	110J	<168	<168	<168	<168	<168	<168	499	36,100	3,650	3,160	<671	4,490	<168	10,100	14,000	<168	<168	<168	121,000	79,200	22,200	201,000	143,000	57,700
92558405	RW-81(28-30')*	RW-81	08/27/2021	2,650	1,580	642	4,870	<4,100	2,840	<4100	5,920	<205	<205	142J	<205	<205	<205	<205	<205	<205	256	33,400	4,160	3,920	<819	5,510	<205	13,300	16,500	<205	<205	<205	77,700	99,500	27,800	193,000	136,000	57,300
92558405	RW-81(34-36')*	RW-81	08/27/2021	3,590	1,160	447	5,200	<3,620	8,280	<3620	4,810	<181	<181	141J	<181	<181	<181	<181	<181	<181	621	35,000	3,730	3,450	<724	5,190	<181	10,700	14,500	<181	<181	<181	113,000	84,500	23,600	196,000	139,000	56,800
92558727	RW-82 (32-34')*	RW-82	08/30/2021	988	687	279	1,950	<1,650	631	<1650	3,920	<82.6	<82.6	98.7	<82.6	<82.6	<82.6	<82.6	<82.6	<82.6	<82.6	17,400	2,420	3,090	<330	2,170	<82.6	9,910	10,500	<82.6	<82.6	<82.6	30,300	65,900	19,200	107,000	73,500	33,200
92558727	RW-82 (42-44)*	RW-82	08/31/2021	<3.6	<3.6	<3.6	<3.6	148	29.2	87.1J	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	44.3	5.1J	<6.6	<6.6	<26.5	<66.3	34.9	<6.6	<6.6	<6.6	<6.6	<6.6	33.3	4.5J	<6.6	19.8	12.1J	7.6
92559635	MW-26R (46-48')*	MW-26R	09/03/2021	182	82.1	33.4	298	<291	580	<291	322	<14.6	<14.6	7.8J	<14.6	<14.6	<14.6	<14.6	<14.6	<14.6	120	2,500	253	241	<58.2	268	<14.6	681	939	<14.6	<14.6	<14.6	7,220	5,260	1,480	14,300	10,300	3,980
92559635	MW-26R (52-54')*	MW-26R	09/03/2021	9.3	8.3	<3.3	18.7	<1,550	2,630	<1550	4,560	<77.4	<77.4	113	<77.4	<77.4	<77.4	<77.4	<77.4	<77.4	219	31,000	3,430	3,610	<309	3,860	<77.4	8,870	13,200	<77.4	<77.4	<77.4	71,400	75,600	21,100	180,000	128,000	52,700
92560935	MW-22R (34-36)*	MW-22R	09/10/2021	763	526	198	1,490	<1,420	1,340	<1420	3,680	<70.9	<70.9	81.7	<70.9	<70.9	<70.9	<70.9	<70.9	<70.9	65.6J	22,500	<70.9	2,820	<284	2,420	<70.9	7,870	10,500	<70.9	<70.9	<70.9	46,300	60,700	18,100	136,000	94,700	41,100
92560989	MW-22R (40-42)*	MW-22R	09/13/2021	<3	<3	<3	<3	<125	36.2	<125	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	20.6	15.6	<6.3	<6.3	19.1J	<62.6	4.4J	3.7J	<6.3	<6.3	<6.3	<6.3	101	10.1	<6.3	73.8	52.1	21.8
92561548	RW-83 (24-26)	RW-83	09/14/2021	1,400	1,110	341	2,500	<6,370	3,890	<6370	6,890	<318	19,900	187J	<318	<318	<318	<318	<318	<318	278J	62,800	6,740	6,310	<1270	5,070	<318	16,400	23,800	<318	<318	<318	133,000	131,000	38,200	374,000	262,000	112,000
92562698	MW-4D (30-32)*	MW-4D	09/17/2021	<7,010	<7,010	<7,010	<7,010	<70.1	<1.4	<140	<17.5	<17.5	<7.01	<3.5	<3.5	<3.5	<7.01	<3.5	<3.5	<7.01	<1.4	<3.5	<3.5	<7.01	<35	<35	<1.4	<17.5	1.89J	1.6J	<3.5	<3.5	4.18J	4.95J	<7.01	8.06J	5.87	2.19J
92562698	MW-4D (65-67)*	MW-4D	09/20/2021	3,000J	<6,200	<6,200	3,000J	<62	<1.24	<124	<15.6	<15.6	<6.20	<3.1	<3.1	<3.1	<6.20	<3.1	<3.1	<6.20	<1.24	<3.1	<3.1	<6.20	8.52J	<31	1.61	<15.6	<6.20	<15.6	<3.1	<3.1	<6.20	<6.20	<6.20	<8.06	<4.96	<3.1
92563637	MW-96 (16-18')*	MW-96	09/27/2021	3,640J	<7,530	<7,530	3,640J	<75.1	<1.5	<150	<18.8	<18.8	<7.51	<3.75	<3.75	<3.75	<7.51	<3.75	<3.75	<7.51	<1.5	<3.75	<3.75	<7.51	<37.5	<37.5	<1.5	<18.8	<7.51	<18.8	<3.75	<3.75	<7.51	<7.51	<7.51	3.75	6	9.76
92547162	AS-21 (18-20)_20210630	AS-21	06/30/2021	14.1	7.3	<4.4	22.9	<156	<7.8	<156	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<31.2	<77.9	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<15.6	<15.6	<7.8
92547162	AS-22 (18-20)_20210630	AS-22	06/30/2021	<4.9	<4.9	<4.9	6.8	<168	<8.4	<168	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<33.6	<84.1	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<16.8	<16.8	<8.4
92546499	Whitby SB-17 (25-27')*	PV-17	06/25/2021	6,250	3,400	1,500	11,200	<9,740	5,740	<9,740	13,200	<487	<487	<487	<487	<487	<487	<487	<487	<487	<487	97,300	<487	13,500	<1,950	<4,870	<487	36,900	<487	<487	<487	<487	186,000	299,000	78,500	531,000	373,000	158,000
92546573	Whitby-SB-17B (25-27')*	PV-17	06/25/2021	<3.5	<3.5	<3.5	<3.5	<135	<6.8	<135	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<27	<67.6	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	6.1J	<6.8	<6.8	<13.5	<13.5	<6.8
92547162	PV-17 (20-22)_20210630	PV-17	06/30/2021	37	14	<4	54	<160	<8.0	<160	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<32	<80.1	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<16.0	<16.0	<8.0
Soil Delineation Samples (Area A)																																						
92543915	BA2 (0.75'-2.00')	N/A	06/10/2021	<6.6	<6.6	<6.6	<6.6	<148	<7.4	<148	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<29.7	<74.1	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	25.0	5.8J	<7.4	33.5	26.3	7.1J
92543915	BA2 (18'-20')	N/A	06/10/2021	18.7	<5.0	<5.0	19.7	<175	7.2J	<175	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	<34.9	<87.3	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	28.2	<8.7	<8.7	15.1J	15.1J	<8.7
92543943	BA2(32-34')*	N/A	06/10/2021	1,390	1,190	322	2,580	1,980	1,320	<1,860	2,600	<93.2	<93.2	57.4J	<93.2	<93.2	<93.2	<93.2	<93.2	<93.2	19,600	2,120	2,410	<373	<932	<93.2	6,600	<93.2	<93.2	<93.2	<93.2	34,500	48,300	13,300	108,000	75,100	33,100
92543915	BB2 (0.75'-2.00')	N/A	06/10/2021	8.6	5.5	<5.1	14.1	<183	142	<183	15.7	<9.1	<9.1	<9.1	<9.1	<9.1	<9.1	<9.1	<9.1	<9.1	5.2J	394	23.0	13.9	<36.6	<91.4	<9.1	51.4	<9.1	<9.1	<9.1	<9.1	1,610	436	<9.1	1,980	1,390	595
92543915	BB2 (10.0'-12.0')	N/A	06/10/2021	<5.5	<5.5	<5.5	<5.5	<228	<11.4	<228	<11.4	<11.4	<11.4	<11.4	<11.4	<11.4	<11.4	<11.4	<11.4	<11.4	12.7	<11.4	<11.4	<11.4	<45.7	<114	<11.4	<11.4	<11.4	<11.4	<11.4	<11.4	58.5	17.3	<11.4	88.8	64.1	24.7
92543943	BB2(40-42')*	N/A	06/10/2021	12,100	9,720	2,860	21,800	<7,170	4,750	<7,170	10,000	<359	<359	<359	<359	<359	<359	<359	<359	<359	669	66,600	8,220	9,330	<1,430	<3,590	<359	27,400	<359	<359	<359	<359	125,000	216,000	52,200	393,000	271,000	122,000
92543915	BB3 (0.75'-2.00')	N/A	06/10/2021	<4.8	<4.8	<4.8	<4.8	<209	<10.5	<209	<10.5	<10.5	<10.5	<10.5	<10.5	<10.5	<10.5	<10.5	<10.5	<10.5	<10.5	<10.5	<10.5	<10.5	<41.9	<105	<10.5	<10.5	<10.5	<10.5	<10.5	<10.5	11.0	<10.5	<10.5	<20.9	<20.9	<10.5
92543915	BB3 (32'-34')	N/A	06/10/2021	<3.8	<3.8	<3.8	<3.8	<135	64.8	59.0J	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	22.9	30.2	<6.7	<6.7	<27.0	<67.4	<6.7	32.3	<6.7	<6.7	<6.7	<6.7	232	74.1	19.7	184	124	59.8
92544158	AA2 (0-4)_20210614	N/A	06/14/2021	4.8	<4.0	<4.0	8.7	<166	<8.3	<166	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<33.1	<82.8	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	10.1	<8.3	<8.3	<16.6	<16.6	<8.3
92544158	AA2 (16-18')_20210614	N/A	06/14/2021	<4.4	<4.4	<4.4	5.7	<164	5.3J	<164	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<32.9	<82.1	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	43.5	8.4	<8.2	33.8	26.5	7.3J
92544157	AA2 (34-36')_20210614*	N/A	06/14/2021	8,410	3,990	1,290	12,400	<14,200	55,400	<14,200	<712	<712	<712	<712	<712	<712	<712	<712	<712	<712	143,000	10,800	9,390	<2,850	<7,120	<712	22,100	<712	<712	<712	945	496,000	211,000	<712	710,000	513,000	197,000
92544158	AA3 (0-2')_20210614	N/A	06/14/2021	15.1	5.7	<4	20.8	<153	47.1	<153	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	8.5	20.7	<7.7	<7.7	<30.6	<76.6	<7.7	13.9	<7.7	<7.7	<7.7	<7.7	174	35.8	<7.7	143	87.7	55.2
92544158	AA3 (12-14')_20210614	N/A	06/14/2021	279	135	40.7	414	<9,420	22,900	<9,420	<471	<471	<471	<471	<471	<471	<471	<471	<471	<471	1,740	7,540	<150	4,200	<599	<1,500	<150	15,600	<150	<150	<150	<150	27,200	84,900	30,600	285,000	175,000	109,000
92544816	AA8 12-14_20210616	N/A	06/16/2021	42.4	103	40.0	146	62.9J	322	<135	151	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	20.3	288	43.5	106	82.0	<67.4	<6.7	305	177	<6.7	<6.7	<6.7	1,650	2,080	505	2,170	1,430	742
92544158	AB2 (0-2')_20210614	N/A	06/14/2021	<3.9	<3.9	<3.9	4.1	<157	36.2	<157	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	21.8	<7.8	<7.8	<7.8	<31.3	<78.3	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	199	13.7	<7.8	113	82.6	30.0
92544158	AB2 (20-22')_20210614	N/A	06/14/2021	13,100	4,760	1,560	17,900	<20,100	97,000	<20,100	<1,010	<1,010	<1010	<1,010	<1010	<1010	<1,010	<1010	<1,010	<1010	228,000	17,300	14,600	<4,030	<10,100	556J	40,900	<1,010	<1,010	<1,010	<1,010	880,000	363,000	105,000	1,100,000	797,000	306,000
92544157	AB2 (32-34')_20210614	N/A	06/14/2021	9,530	3,070	1,000	12,600	<12,800	58,400	<12,800	<638	<638	<638	<638	<638	<638	<638	<638	<638	<638	137,000	10,300	9,360	<2,550	<6,380	<638	21,100	<638	<638	<638	<638	493,000	209,000	60,500	667,000	485,000	183,000
92544080	BA3 (0-2)_20210611	N/A	06/11/2021	<4.2	<4.2	<4.2	<4.2	<165	<8.3	<165	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	23.9	<33	<82.6	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	8.3	<8.3	<8.3	<16.5	<16.5	<8.3
92544080	BA3 (22-24)_20210611	N/A	06/11/2021	2,560	1,440	355	4,010	<3,270	8,680	<3,270	<164	<164	<164	146J	<164	<164	<164	<164	<164	<164	46,900	<164	3,810	<655	<1,640	<164	11,100	<164	<164	<164	<164	142,000	94,100	27,900	232,000	167,000	65,200
92544080	BA4 (0-2)_20210611	N/A	06/11/2021	<4.2	<4.2	<4.2	4.6	<160	<8	<160	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<32	<80	<8	<8	<8	<8	<8	<8	14.3	<8	<8	<16	<16	<8
92544080	BA4 (18-20)_20210611	N/A	06/11/2021	13,500	6,260	1,590	19,800	<17,400	42,400	<17,400	<872	<872	<872	<872	<872	<872	<872	<872	<872	<872	174,000	<872	13,000	<3,490	<8,720	<872	39,100	<872	<872	<872	<872	535,000	305,000	<872	860,000	613,000	246,000
92544158	BA5 (0-2')_20210614	N/A	06/14/2021	14.6	7.2	<3.1	21.8	<123	<6.1	<123	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<24.5	<61.3	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	5.1J	<6.1	<6.1	<12.3	<12.3	<6.1
92544158	BA5 (10-12')_20210614	N/A	06/14/2021	3,470	2,470	673	5,940	4,240J	11,400	<7,560	7,280	<378	<378	201J	<378	<378	<378	<378	<378	<378	98,700	<378	5,810	<1,510	<3,780	<378	14,300	<378	<378	<378	<378	202,000	118,000	<378	530,000	383,000	147,000
92544080	BA6 (0-2')_20210612	N/A	06/12/2021	9.0	7.9	<4.6	16.9	<180	<9	<180	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<36	<89.9	<9	<9	<9	<9	<9	<9	10.4	<9	<9	<18	<18	<9
92544080	BA6 (8-10')_20210612	N/A	06/12/2021	33,000	18,500	5,610	51,500	26,600J	53,500	<30,800	26,500	<1,540	<1540	<1,540	<1540	<1540	<1,540	<1540	<1,540	<1540	340,000	29,500	25,200	<6,170	<1,540	<1,540	54,100	<1,540	<1,540	<1,540	29,600	1,020,000	563,000	162,000	1,780,000	1,270,000	501,000
92544080	BA7(0-2')_20210612	N/A	06/12/2021	32.5	44.3	<30.6	76.8	<173	23.2	<173	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	36.7	<8.6	<8.6	<34.6	<86.5	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	277	28.7	7.9J	189	142	46.5
92544080	BA7(10-12')_20210612	N/A	06/12/2021	7,690	6,630	2,120	14,300	13,600	14,800	<9,340	18,600	<467	<467	361J	<467	<467	<467	<467	<467	<467	169,000	15,400	14,400	<1,870	<4,670	<467	36,100	<467	<467	<467	<467	439,000	350,000	107,000	873,000	629,000	244,000
92544080	BA8 (0-2')_20210612	N/A	06/12/2021	<4.8	<4.8	<4.8	<4.8	<175	<8.7	<175	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	<34.9	<87.3	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	10.7	<8.7	<8.7	<17.5	<17.5	<8.7
92544080	BA8 (22-24')_20210612	N/A	06/12/2021	950	4,400	2,100	5,350	5,370J	<408	<8,170	25,700	<408	<408	<408	<408	<408	<408	<408	<408

Table 2
Summary of Delineation Soil Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report	Sample ID	Well ID	Sample Date	MADEP VPH (mg/kg)				Volatile Organic Compounds (EPA 8260D) (µg/kg)																														
				Aliphatic (C05-C08)	Aliphatic (C09-C12)	Aromatic (C09-C10), Unadjusted	Total VPH	Acetone	Benzene	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Chlorobenzene	Chloroform	2-Chlorotoluene	4-Chlorotoluene	1,1-Dichloroethane	1,2-Dichloroethane	trans-1,3-Dichloropropene	Diisopropyl ether	Ethylbenzene	Isopropylbenzene (Cumene)	p-Isopropyltoluene	Methylene Chloride	4-Methyl-2-pentanone (MIBK)	Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylene (Total)	m&p-Xylene	o-Xylene
Soil-to-Water MSCCs				68	540	31	NE	24,000	7.2	16,000	2,400	2,200	1,700	440	340	NE	280	30	320	8,000	1,300	120	23	420	85	200	1,400	900	4	5.0	5,400	6,600	6,600	6,000	NE	NE
Residential MSCCs				625	1,560	469	NE	14,000,000	12,000	9,380,000	782,000	1,560,000	1,560,000	312,000	21,000	NE	312,000	116,000	7,290	140,000	NE	60,300	1,560,000	1,560,000	93,800	1,250,000	156,000	5,500	1,560,000	3,120,000	25,200	93,800	1,250,000	156,000	156,000	3,120,000	NE	NE
Industrial / Commercial MSCCs				9,340	23,300	7,000	NE	210,000,000	59,400	140,000,000	11,600,000	23,300,000	23,300,000	4,670,000	105,000	NE	4,670,000	573,000	35,900	2,100,000	2,330,000	297,000	23,300,000	23,300,000	1,400,000	18,600,000	1,810,000	27,000	23,300,000	46,700,000	125,000	1,400,000	18,600,000	2,330,000	2,330,000	46,700,000	NE	NE
92544833	AB6 0-2_20210616	N/A	06/16/2021	2,850	1,110	310	3,960	<1,360	4,590	<1,360	1,130	<67.9	<67.9	<67.9	<67.9	<67.9	<67.9	<67.9	<67.9	<67.9	2,150	17,800	1,170	1,010	<272	<679	<67.9	3,380	<67.9	<67.9	<67.9	<67.9	36,800	23,200	<67.9	99,900	71,800	28,100
92544833	AB6 2-4_20210616	N/A	06/16/2021	11,600	5,560	1,540	17,200	<14,200	42,400	<14,200	<709	<709	<709	<709	<709	<709	<709	<709	<709	<709	5,800	150,000	10,200	8,550	<2,830	<7,090	<709	22,600	<709	<709	<709	<709	424,000	187,000	<709	789,000	566,000	224,000
92544833	AB6 28-30_20210616*	N/A	06/16/2021	6,440	3,270	878	9,710	<9,760	26,800	<9,760	6,470	<488	<488	<488	<488	<488	<488	<488	<488	<488	5,060	114,000	7,310	5,830	<1,950	<4,880	<488	18,000	<488	<488	<488	<488	312,000	139,000	<488	596,000	425,000	171,000
92544833	AB7 0-2_20210616	N/A	06/16/2021	<3.4	<3.4	<3.4	<3.4	<138	116	<138	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	4.1J	8.4	<6.9	<6.9	<27.6	<69	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	240	<6.9	3.6J	40.8	32.3	8.5
92544833	AB7 16-18_20210616	N/A	06/16/2021	10,100	5,690	1,610	15,800	<13,100	43,300	<13,100	9,260	<656	<656	<656	<656	<656	<656	<656	<656	<656	<656	132,000	10,400	8,620	<2,630	<6,560	<656	26,300	<656	<656	<656	<656	464,000	211,000	<656	650,000	464,000	186,000
92544833	AB7 32-34_20210616*	N/A	06/16/2021	13,300	6,030	1,810	19,300	<15,200	50,300	<15,200	12,500	<758	<758	<758	<758	<758	<758	<758	<758	<758	<758	167,000	13,100	10,900	<3,030	<7,580	<758	34,900	<758	<758	<758	<758	609,000	281,000	81,700	815,000	582,000	233,000
92544833	AB8 0-2_20216616	N/A	06/16/2021	3.5	3.7	<3.2	7.2	<119	6.2	<119	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<23.8	<59.6	<6	<6	<6	<6	<6	<6	29.7	<6	<6	11.1J	11.1J	<6
92544833	AB8 12-14_20210616	N/A	06/16/2021	<3.3	<3.3	<3.3	<3.3	87.6J	33.4	<133	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	6.8	20.9	<6.6	<6.6	<26.6	<66.4	<6.6	29.1	<6.6	<6.6	<6.6	<6.6	189	43.3	10.5	119	86.0	33.1
92544833	AB8 36-38_20210616*	N/A	06/16/2021	17,300	5,590	1,590	22,900	<46,300	181,000	<46,300	<2,320	<2,320	<2320	<2,320	<2320	<2,320	<2,320	<2,320	<2320	<2,320	6,940	150,000	7,340	<2,320	<9,260	<23,200	<2,320	27,500	<2,320	<2,320	<2320	<2320	1,050,000	158,000	<2,320	733,000	510,000	223,000
92545117	AA7 0-2_20210617	N/A	06/17/2021	<4.0	<4.0	<4.0	<4.0	<145	10.9	<145	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	17.5	<7.2	<7.2	<29	<72.4	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	99.8	<7.2	<7.2	70.8	57.3	13.5
92545117	AA7 8-10_20210617	N/A	06/17/2021	805	653	366	1,820	3,720	458	<800	2,210	<40	<40	49.0	<40	<40	<40	<40	<40	<40	<40	8,160	<40	1,950	<160	<400	<40	6,400	<40	<40	<40	<40	11,800	37,200	11,200	46,800	31,500	15,300
92546391	BA9 0-2_20210623	N/A	06/23/2021	<3.4	<3.4	<3.4	<3.4	<145	<7.2	<145	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<28.9	<72.3	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<14.5	<14.5	<7.2
92546391	BA9 6-8_20210623	N/A	06/23/2021	<4.0	<4.0	<4.0	6.4	<142	<7.1	<142	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	6.3J	<7.1	<7.1	<28.3	<70.8	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	18.9	<7.1	<7.1	21.7	15.2	6.4J
92546391	BB9 0-2_20210623	N/A	06/23/2021	<2.5	<2.5	<2.5	<2.5	<106	<5.3	<106	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<21.1	<52.9	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<10.6	<10.6	<5.3
92546391	BB9 22-24_20210623	N/A	06/23/2021	4,540	1,550	767	6,870	4,380J	5,170	<6,410	<320	<320	<320	193J	<320	<320	<320	<320	<320	<320	<320	94,700	<320	7,140	<1,280	<3,200	<320	18,100	<320	<320	<320	<320	251,000	167,000	50,100	463,000	335,000	128,000
92546391	BC8 0-2_20210623	N/A	06/23/2021	<3.6	<3.6	<3.6	<3.6	<139	<6.9	<139	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	6.8J	<6.9	<6.9	<27.8	<69.4	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	30.5	<6.9	<6.9	19.8	19.8	<6.9
92546391	BC8 18-20_20210623	N/A	06/23/2021	<3.3	<3.3	<3.3	<3.3	<130	<6.5	<130	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	6.5	<6.5	<6.5	<26	<65	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	31.2	<6.5	<6.5	24.9	17.6	7.3
92546391	BC9 0-2_20210623	N/A	06/23/2021	<2.7	<2.7	<2.7	<2.7	<113	<5.7	<113	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<22.7	<56.6	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<11.3	<11.3	<5.7
92546391	BC9 20-22.5_20210623	N/A	06/23/2021	<4.3	<4.3	<4.3	<4.3	<122	<6.1	<122	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<24.3	<60.8	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<12.2	<12.2	<6.1
92546394	BC8 24-26_20210623	N/A	06/23/2021	2,280	1,960	846	5,090	<7,260	196J	<7,260	12,700	<363	<363	291J	<363	<363	<363	<363	<363	<363	<363	98,600	11,800	10,600	<1,450	8,570	<363	27,800	46,500	<363	<363	<363	69,100	247,000	73,700	526,000	370,000	156,000
92546589	BA1 0-2_20210625	N/A	06/25/2021	<3.4	<3.4	<3.4	3.7	<130	<6.5	<130	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	17.2	<26	<65	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	4.2J	<6.5	<6.5	<13	<13	<6.5
92546589	BA1 12-14_20210625	N/A	06/25/2021	<3.4	<3.4	<3.4	<3.4	<131	5.9J	<131	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<26.1	<65.3	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	22.5	<6.5	<6.5	9.5J	9.5J	<6.5
92546589	BA1 32-34_20210625	N/A	06/25/2021	65.1	18.2	6.5	89.9	1,520	2,200	<1,170	<58.3	<58.3	<58.3	<58.3	<58.3	<58.3	<58.3	<58.3	<58.3	<58.3	116	14,700	<58.3	<58.3	898	1,070	<58.3	4,210	<58.3	<58.3	<58.3	<58.3	33,200	31,800	9,040	76,200	53,700	22,400
92546589	BB1 0-2_20210625	N/A	06/25/2021	<4.3	<4.3	<4.3	<4.3	<166	<8.3	<166	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<33.1	<82.8	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<16.6	<16.6	<8.3
92546589	BB1 16-18_20210625	N/A	06/25/2021	<3.0	<3.0	<3.0	<3.0	<119	<5.9	<119	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	15.6	<5.9	19.6	<23.8	<59.5	<5.9	9.1	<5.9	<5.9	<5.9	<5.9	52.1	33.9	<5.9	99.9	66.4	33.5
92546589	BC1 0-2_20210625	N/A	06/25/2021	<4.1	<4.1	<4.1	<4.1	<161	<8.3	<161	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<32.2	<80.4	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<16.1	<16.1	<8
92546589	BC1 8-10_20210625	N/A	06/25/2021	<4.4	<4.4	<4.4	<4.4	<157	<7.9	<157	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<31.4	<78.6	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<15.7	<15.7	<7.9
92546589	BC2 0-2_20210625	N/A	06/25/2021	<4.6	10.0	15.2	26.0	<165	<8.3	<165	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<33	<82.5	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<16.5	<16.5	<8.3
92546589	BC2 22-24_20210625	N/A	06/25/2021	<4.4	<4.4	<4.4	<4.4	<130	<6.5	<130	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<25.9	<64.8	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	4.0J	<6.5	<6.5	<13	<13	<6.5
92546589	BC3 0-2_20210625	N/A	06/25/2021	<4.0	<4.0	<4.0	<4.0	<168	<8.4	<168	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<33.6	<84	<8.4	<8.4	<8.4	58.6	<8.4	<8.4	5.0J	<8.4	<8.4	<16.8	<16.8	<8.4
92546589	BC3 2-4_20210625	N/A	06/25/2021	<4.1	<4.1	<4.1	<4.1	<163	<8.2	<163	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<32.7	<81.6	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<16.3	<16.3	<8.2
92546658	AA1 0-2') 20210626	N/A	06/26/2021	<4.6	<4.6	<4.6	<4.6	<169	<8.4	<169	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	135	<33.7	<84.3	<8.4	<8.4	<8.4	28.7	<8.4	<8.4	6.6J	<8.4	<8.4	<16.9	<16.9	<8.4
92546658	AA1 (16-18') 20210626	N/A	06/26/2021	<3.3	<3.3	<3.3	<3.3	<129	13.3	<129	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<25.8	<64.6	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	25.3	<6.5	<6.5	<12.9	<12.9	3.3J
92546658	AB1 (0-2') 20210626	N/A	06/26/2021	<3.6	<3.6	<3.6	4.9	1,320	<18.4	<368	452	<18.4	<18.4	<18.4	<18.4	<18.4	12,700	<18.4	<18.4	<18.4	<18.4	10.7J	<18.4	1,850	436	<184	<18.4	<18.4	<18.4	<18.4	<18.4	<18.4	64.7	<18.4	<18.4	76.7	63.9	12.8J
92546658	AB1 (20-22') 20210626	N/A	06/26/2021	5,250	1,750	618	7,620	18,000	11,500	<6,370	<318	<318	<318	<318	<318	<318	<318	<318	<318	<318	<318	62,800	<318	4,940	<1,270	<3,180	<318	12,400	<318	<318	<318	<318	173,000	110,000	32,600	305,000	220,000	85,200
92546658	AC1 (0-2') 20210626	N/A	06/26/2021	<3.7	<3.7	<3.7	6.6	<147	<7.4	<147	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	225	<29.5	<73.7	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	12.8	<7.4	<7.4	11.6J	11.6J	<7.4
92546658	AC1 (16-18') 20210626	N/A	06/26/2021	<3.1	<3.1	<3.1	<3.1	<136	<6.8	<136	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<27.2	<68	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	5.7J	13.0	<6.8	11.2J	7.1J	4.2J
92546658	AC2 (0-2') 20210626	N/A	06/26/2021	<3.7	<3.7	<3.7	6.3	263	<8.1	<162	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	29.4	<8.1	1,280	<32.5	<81.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	36.9	<8.1	<8.1	200	152	47.9
92546658	AC2 (12-14') 20210626	N/A	06/26/2021	485	258	111	854	<593	812	<593	<29.7	<29.7	<29.7	<29.7	<29.7	<29.7	<29.7	<29.7	<29.7	<29.7	52.3	7,040	<29.7	958	718	599	<29.7	3,230	<29.7	<29.7	<29.7	<29.7	15,000	19,600	5,760	37,300	26,100	11,100
92546658	AC3 (0-2') 20210626	N/A	06/26/2021	<4.1	<4.1	<4.1	4.7	<153	<7.7	<153	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<30.7	<76.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<15.3	<15.3	<7.7
92546658	AC3 (8-10') 20210626	N/A	06/26/2021	<4.1	<4.1	<4.1	<4.1	<153	<7.7	<153	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	352	<30.7	<76.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	18.7	22.9	<7.7	70.1	46.3	23.8
92546969	AC4 (0-2) 20210628	N/A	06/28/2021	<5.1	<5.1	<5.1	<5.1	<198	<9.9	<198	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<39.5	<98.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	11	<9.9	<9.9	<19.8	<19.8	<9.9
92546969	AC4 (10-12) 20210628	N/A	06/28/2021	2,350	904	337	3,600	24,900	8,520	<7,250	<362	<362	<362	<362	<362	<362	<362	<362	<362	<362	785	68,900	<362	<362	<1,450	5,720	<362	15,600	<362	<362	<362	<362	183,000	137,000	41,500	342,000	246,000	95,300
92546969	AC4 (24-26) 20210628	N/A	06/28/2021	4,070	1,010	466	5,550	20,500	13,900	<6,320	<316	<316	<316	<316	<316	<316	<316	<316	<316	<316	685	56,400	<316	<316	<1,260	3,810	<316	12,000	<316	<316	<316	<316	171,000	107,000	32,000	276,000	199,000	77,600
92546969	AC5 0-2_20210628	N/A	06/28/2021	33.4	26.6	7.4	67.4	3,350	364	471	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	115	591	<7.8	315	<31.2	<78	<7.8	160	<7.8	<7.8	<7.8	<7.8	1,330	1,070	<7.8	4,570	3,180	1,390
92546969	AC5 14-16_20210628	N/A	06/28/2021	21,200	6,260	1,640	29,100	<17,900	70,200	<17,900	<893	<893	<893	<893	<893	<893	<893	<893	<893	<893	5,440	298,000	<893	19,300	<3,570	<8,930	<893	41,300	<893	<893	<893	<893	693,000	387,000	114,000	1,530,000	1,090,000	438,000
92546969	AC5 26-28_20210628	N/A	06/28/2021	10,600	3,750	1,170	15,500	<12,200	29,400	<12,200	<610	<610	<610	<610	<610	<610	<610	<610	<610	<610	1,660	142,000	<610	9,410	<2,440	<6,100	<610	24,000	<610	<610	<610	<610	361,000	215,000	62,900	723,000	517,000	206,000
92546969	AC6 0-2_20210628	N/A	06/28/2021	4.9	<4.5	<4.5	8.7	<170	<8.5	<170	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	9	<33.9	<84.8	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	16	<8.5	<8.5	<17	<17	<8.5
92546969	AC6 10-12_20210628	N/A	06/28/2021	6,370	2,470	1,090	9,920	15,800	19,500	<7,380	<369	<369	<369	<369	<369	<369	<369	<369	<369	<369	<369	123,000	11,700	<369	4,700	10,300	<369	29,100	<369	<369	<369	<369	314,000	262,000	78,500	604,000	432,000	172,000
92546969	AC6 36-38_20210628*	N/A	06/28/2021	12,000	3,240	1,370	16,700	<17,900	51,500	<17,900	<893	<893	<893	<893	<893	<893	<893	<893	<893	<893	<893	115,000	9,030	7,760	<3,570	<8,930	<893	23,800	33,300	<893	<893	<893	433,000	183,000	52,600	564,000	406,000	158,000
92546969	AC7 0-2_20210628	N/A	06/28/2021	<5.7	<5.7	<5.7	9.1	<190	<9.5	<190	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	21.1	<9.5	<9.5	<38.1	<95.2	<9.5	<9.5	5.2J	<9.5	<9.5	<9.5	174	14.5	<9.5	101	81.6	19.7
92546969	AC7 20-22_20210628	N/A	06/28/2021	64.1	17.4	6.1	87.7	149	182	<132	<6.6	<6.6	<6.6	7.1	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	35.8	1,590	<6.6	<6.6	<26.4	<66	<6.6	1,040	<6.6	<6.6	<6.6	<6.6	2,620	6,340	1,810	8,710	6,070	2,640
92546969	AC7 42-44_20210628*	N/A	06/28/2021	50.1	9.3	4.0	63.4	91.8J	624	<123	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	111	401	<6.2	<6.2	<24.6	<61.6	55.7	194	<6.2	<6.2	<6.2	<6.2	2,110	805	232	2,040	1,430	619
92547162	AS-21 (18-20) 20210630	N/A	06/30/2021	14.1	7.3	<4.4	22.9	<156	<7.8	<156	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<31.2	<77.9	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<15.6	<15.6	<7.8
92547162	AS-22 (18-20) 20210630	N/A	06/30/2021	<4.9	<4.9	<4.9	6.8	<168	<8.4	<168	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<33.6	<84.1	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<16.8	<16.8	<8.4
92543943	BB2(40-42') 20210610*	N/A	06/10/2021	12,100	9,720	2,860	21,800	<7,170	4,750	<7,170	10,000	<359	<359	<359	<359	<359	<359	<359	<359	<359	669	66,600	8,220	9,330	<1,430	<3,590	<359	27,400	<359	<359	<359	<359	125,000	216,000	52,200	393,000	271,000	122,000
92546505	BC-4 0-2_20210624	N/A	06/24/2021	<0.85	<0.85	<0.85	<0.85	<158	<7.9	<158	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<31.5	<78.8	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	14.8	<7.9	<7.9	<15.8	<15.8	<7.9
92546505	BC-4 18-20_20210624	N/A	06/24/2021	<3.8	<3.8	<3.8	<3.8	<151	<7.5	<151	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<30.1	<75.3	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	15.8	<7.5	<7.5	<15.1	<15.1	<7.5
92546505	BC-5 0-2_20210624	N/A	06/24/2021	<3.2	<3.2	<3.2	<3.2	<126	<6.3	<126	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<25.2	<63.1	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	25.3	<6.3	<6.3	<12.6	<12.6	<6.3
92546505	BC-5 14-16_20210624	N/A	06/24/2021	<3.7	<3.7	<3.7	<3.7	<151	4.6J	<151	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<30.1	<75.3	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	20.0	<7.5	<7.5	<15.1	<15.1	<7.5
92546505	BC-6 0-2_20210624	N/A	06/24/2021	<3.8	<3.8	<3.8	<3.8	<148	<7.4	<148	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<29.5	<73.8	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	33.9	<7.4	<7.4	<14.8	<14.8	<7.4
92546505	BC-6 12-14_20210624	N/A	06/24/2021	<3.6	<3.6	<3.6	<3.6	<149	<7.5	<149	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<29.8	<74.6	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	23.8	<7.5	<7.5	<14.9	<14.9	<7.5
92546505	BC-6 20-22_20210624	N/A	06/24/2021	12.2	9.4	3.9	25.5	672	28.5	353	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	7.3	79.0	<7.3	23.6	<29.1	<72.7	<7.3	307	<7.3	<7.3	<7.3	<7.3	271	370	<7.3	508	320	188
92546505	BC-7 0-2_20210624	N/A	06/24/2021	<3.2	<3.2	<3.2	<3.2	<141	<7.1	<141	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1

Table 2
Summary of Delineation Soil Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report	Sample ID	Well ID	Sample Date	MADEP VPH (mg/kg)				Volatile Organic Compounds (EPA 8260D) (µg/kg)																														
				Aliphatic (C05-C08)	Aliphatic (C09-C12)	Aromatic (C09-C10), Unadjusted	Total VPH	Acetone	Benzene	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Chlorobenzene	Chloroform	2-Chlorotoluene	4-Chlorotoluene	1,1-Dichloroethane	1,2-Dichloroethane	trans-1,3-Dichloropropene	Diisopropyl ether	Ethylbenzene	Isopropylbenzene (Cumene)	p-Isopropyltoluene	Methylene Chloride	4-Methyl-2-pentanone (MIBK)	Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylene (Total)	m&p-Xylene	o-Xylene
Soil-to-Water MSCCs				68	540	31	NE	24,000	7.2	16,000	2,400	2,200	1,700	440	340	NE	280	30	1.9	300	320	8,000	1,300	120	23	420	85	200	1,400	900	4	5.0	5,400	6,600	6,600	6,000	NE	NE
Residential MSCCs				625	1,560	469	NE	14,000,000	12,000	9,380,000	782,000	1,560,000	1,560,000	312,000	21,000	NE	312,000	116,000	7,290	140,000	NE	60,300	1,560,000	1,560,000	93,800	1,250,000	156,000	5,500	1,560,000	3,120,000	25,200	93,800	1,250,000	156,000	156,000	3,120,000	NE	NE
Industrial / Commercial MSCCs				9,340	23,300	7,000	NE	210,000,000	59,400	140,000,000	11,600,000	23,300,000	23,300,000	4,670,000	105,000	NE	4,670,000	573,000	35,900	2,100,000	2,330,000	297,000	23,300,000	23,300,000	1,400,000	18,600,000	1,810,000	27,000	23,300,000	46,700,000	125,000	1,400,000	18,600,000	2,330,000	2,330,000	46,700,000	NE	NE
92544467	AB3 (22-24')_20210615	N/A	06/15/2021	17,300	6,050	1,740	23,300	6,670J	42,900	<11,500	11,800	<577	<577	<577	<577	<577	<577	<577	<577	<577	<577	169,000	12,100	10,600	<2,310	<5,770	<577	25,400	<577	<577	<577	<577	481,000	228,000	<577	867,000	622,000	245,000
92544467	AB4 (0-2')_20210615	N/A	06/15/2021	7.8	5.9	<4.6	13.7	<157	15.8	<157	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	9.1	<7.9	<7.9	<31.4	<78.6	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	86.8	8.3	<7.9	59.2	45.8	13.4
92544467	AB4 (14-16')_20210615	N/A	06/15/2021	3,920	2,330	868	6,250	<5,140	17,900	<5,140	<257	<257	<257	140J	<257	<257	<257	<257	<257	<257	<257	71,300	<257	5,420	<1,030	<2,570	<257	15,100	<257	<257	<257	<257	216,000	125,000	35,600	353,000	255,000	98,800
92544467	AB5 (0-2')_20210615	N/A	06/15/2021	2,110	1,110	308	3,220	<3,060	10,200	<3,060	<153	<153	<153	<153	<153	<153	<153	<153	<153	<153	4,460	32,800	1,610	<153	<611	<1,530	<153	5,710	<153	<153	<153	<153	80,400	33,700	<153	178,000	127,000	51,100
92544467	AB5 (2-4')_20210615	N/A	06/15/2021	1,700	948	266	2,650	<1,460	4,990	<1,460	<72.9	<72.9	<72.9	51.9J	<72.9	<72.9	<72.9	<72.9	<72.9	<72.9	2,550	25,100	<72.9	<72.9	<292	<729	<72.9	5,600	<72.9	<72.9	<72.9	<72.9	46,000	33,600	9,850	154,000	110,000	44,000
92547126	AB9(0-2)_20210629	N/A	06/29/2021	<5.3	<5.3	<5.3	<5.3	<204	<10.2	<204	<10.2	<10.2	<10.2	<10.2	<10.2	<10.2	<10.2	<10.2	<10.2	<10.2	<10.2	<10.2	<10.2	<10.2	<40.8	<102	<10.2	<10.2	<10.2	<10.2	<10.2	<10.2	<10.2	<10.2	<10.2	<20.4	<20.4	<10.2
92547126	AB9(24-26)_20210629	N/A	06/29/2021	4.5	<4.1	<4.1	5.1	159	74.0	<153	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	11.4	<7.7	<7.7	<30.7	<76.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	152	<7.7	<7.7	56.2	39.3	16.9
92547126	AB9(28-29.5)_20210629	N/A	06/29/2021	5.3	<4	<4	6.5	167	297	<122	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	15.9	68.8	5.2J	<6.1	<24.3	<60.9	<6.1	26.5	<6.1	<6.1	<6.1	<6.1	749	69.4	<6.1	347	234	113
92547126	AC8(0-2)_20210629	N/A	06/29/2021	<3.9	<3.9	<3.9	<3.9	<172	<8.6	<172	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<34.5	<86.2	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	4.6J	<8.6	<8.6	<17.2	<17.2	<8.6
92547126	AC8(20-22)_20210629	N/A	06/29/2021	<15.5	<15.5	<15.5	<15.5	<138	101	<138	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	21.6	19.5	<6.9	<6.9	<27.6	<69	<6.9	9.3	<6.9	<6.9	<6.9	<6.9	212	56.0	18.1	118	78.5	39.6
92547126	AC8(26-28)_20210629	N/A	06/29/2021	205	68.7	40.3	314	409	463	<291	752	<14.6	<14.6	16.8	<14.6	<14.6	<14.6	<14.6	<14.6	<14.6	61.6	3,860	431	510	<58.2	406	<14.6	1,680	1,830	<14.6	<14.6	<14.6	7,930	10,700	3,240	19,700	13,900	5,720
92547126	AC9(0-2)_20210629	N/A	06/29/2021	<4.2	<4.2	<4.2	<4.2	<177	<8.8	<177	<8.8	<8.8	<8.8	<8.8	<8.8	<8.8	<8.8	<8.8	<8.8	<8.8	<8.8	<8.8	<8.8	<8.8	<35.3	<88.4	<8.8	<8.8	<8.8	<8.8	<8.8	<8.8	4.7J	<8.8	<8.8	<17.7	<17.7	<8.8
92547126	AC9(24-26)_20210629	N/A	06/29/2021	<3.2	<3.2	<3.2	<3.2	164	31.2	<134	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	8.6	6.7J	<6.7	<6.7	<26.9	<67.2	<6.7	14.6	<6.7	<6.7	<6.7	<6.7	84.8	18.1	5.2J	52.1	33.5	18.6
92547126	AC9(26-28)_20210629	N/A	06/29/2021	8.6	7.9	<3.1	19.4	143	69.9	<112	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	19.4	177	<5.6	<5.6	<22.5	<56.2	4.9J	285	<5.6	<5.6	<5.6	<5.6	543	695	202	936	630	305
92548472	AAO (22-24)_20210707	N/A	07/07/2021	<3.3	<3.3	<3.3	<3.3	<137	14.1	<137	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	3.8J	<6.8	<6.8	<27.4	<68.4	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	32.1	22.8	<6.8	25.2	19.5	5.7J
92548472	AAO (40-42)_20210707*	N/A	07/07/2021	7.2	<3.6	<3.6	9.6	<149	188	<149	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	40.4	82.8	4.1J	<7.5	<29.9	<74.7	14.8	18.0	<7.5	4.7J	<7.5	<7.5	636	64.7	<7.5	447	298	148
92548472	AAO (O-2)_20210707	N/A	07/07/2021	<4.2	<4.2	<4.2	<4.2	<174	<8.7	<174	87.1	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	251	<34.7	<86.8	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	9.9	<8.7	<8.7	10.9J	10.9J	<8.7
92548472	ABO (0-2)_20210707	N/A	07/07/2021	<4.3	8.3	12.2	22.3	<172	6.6J	<172	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	11.1	<8.6	6.6J	<34.5	<86.2	<8.6	6.2J	<8.6	<8.6	<8.6	<8.6	68.0	16.4	<8.6	72.4	54.4	18.0
92548472	ABO (24-26)_20210707	N/A	07/07/2021	<3	<3	<3	3.5	<130	9.7	<130	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	4.8J	8.7	<6.5	<6.5	<26	<64.9	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	58.4	10.8	<6.5	60.4	42.1	18.3
92548472	ABO (26-28)_20210707	N/A	07/07/2021	<3	<3	<3	3.9	<119	37.3	<119	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	18.2	40.2	<6	4.5J	<23.9	<59.7	<6	21.9	<6	<6	<6	<6	197	60.5	<6	226	148	78.3
92548472	ABO (40-42)_20210707*	N/A	07/07/2021	8,580	2,760	939	12,300	<4,740	15,200	<4,740	7,760	<237	<237	<237	<237	<237	<237	<237	<237	<237	1,030	81,100	<237	6,590	<948	6,810	<237	16,600	<237	3,460	685	<237	211,000	140,000	40,300	412,000	292,000	121,000
92548472	ACO (0-2)_20210707	N/A	07/07/2021	<3.3	<3.3	<3.3	6.3	<129	<6.4	<129	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	19.9	<25.8	<64.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<12.9	<12.9	<6.4
92548472	ACO (24-26)_20210707	N/A	07/07/2021	<3.2	<3.2	<3.2	<3.2	<124	3.7J	<124	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<24.8	<61.9	<6.2	3.8J	<6.2	<6.2	<6.2	<6.2	10.5	3.7J	<6.2	<12.4	<12.4	<6.2
92548472	ACO (28-29)_20210707	N/A	07/07/2021	162	326	143	631	<1,580	190	<1,580	2,780	<79.2	<79.2	<79.2	<79.2	<79.2	<79.2	<79.2	69.2J	<79.2	<79.2	10,600	<79.2	2,540	622	<792	<79.2	7,010	<79.2	1,130	<79.2	<79.2	8,530	44,400	<79.2	64,900	43,100	21,800
92548816	AC0A (0-2')_20210708	N/A	07/08/2021	<4	17.4	23.1	43.4	<117	<5.8	<117	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	25.0	<23.3	<58.3	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<11.7	<11.7	<5.8
92548816	AC0A (20-22')_20210708	N/A	07/08/2021	<2.9	<2.9	<2.9	<2.9	<105	17.6	<105	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	42.3	5.1J	<5.3	<5.3	<21.1	<52.6	14.6	<5.3	<5.3	<5.3	<5.3	<5.3	48.5	5.7	<5.3	25.8	18	7
92548816	AC0A (42-44')_20210708*	N/A	07/08/2021	26.0	9.3	<2.9	37.8	<116	291	211	159	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	5.6J	<5.8	<5.8	101	1,460	135	143	<23.2	86	<5.8	427	<5.8	65.9	<5.8	<5.8	2,930	2,890	<5.8	7,830	5,490	2,340
92548816	AD4 (0-2')_20210708	N/A	07/08/2021	<4.2	<4.2	<4.2	<4.2	<165	<8.2	<165	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	9.1	<33	<82.4	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<16.5	<16.5	<8.2
92548816	AD4 (22-24')_20210708	N/A	07/08/2021	11,600	3,140	1,130	15,900	<12,900	29,300	<12,900	<644	<644	<644	<644	<644	<644	<644	<644	<644	<644	<644	130,000	10,600	10,100	<2,580	9,090	<644	24,600	<644	5,080	<644	<644	397,000	243,000	72,500	625,000	451,000	174,000
92548816	AD4 (36-38.5')_20210708*	N/A	07/08/2021	9.6	3.5	<3.4	13.8	191	384	58.9J	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	110	185	16.0	15.9	<24.6	<61.5	<6.2	159	<6.2	9.7	<6.2	<6.2	1,190	339	<6.2	1,000	676	327
92548816	ADO (0-2')_20210708	N/A	07/08/2021	<4.3	8.4	<4.3	15.4	68J	<9.1	<182	<9.1	<9.1	<9.1	<9.1	<9.1	<9.1	<9.1	<9.1	<9.1	<9.1	<9.1	<9.1	<9.1	63.7	<36.4	<91	<9.1	9.4	<9.1	<9.1	<9.1	<9.1	12.6	31.1	<9.1	44.8	30.0	14.8
92548816	ADO (20-22')_20210708	N/A	07/08/2021	<3.2	<3.2	<3.2	<3.2	<126	8.2	<126	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	4.1J	7.9	<6.3	<6.3	<25.2	<63	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	36.2	5.7J	<6.3	34.1	24.6	9.6
92548816	ADO (44-46')_20210708*	N/A	07/08/2021	93.6	33.2	11.2	138	<253	465	<253	<12.7	<12.7	<12.7	<12.7	<12.7	<12.7	<12.7	<12.7	<12.7	<12.7	53.2	1,640	169	142	102	<127	<12.7	397	489	75	<12.7	<12.7	4,660	2,850	785	8,720	6,110	2,610
92548983	AD1 (0-2')_20210709	N/A	07/09/2021	<3.8	<3.8	<3.8	5.0	<158	<7.9	<158	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	7.9	<7.9	55.6	<31.6	<78.9	<7.9	5.3J	<7.9	14.4	<7.9	<7.9	27.8	15.6	<7.9	61.5	48.5	13.0
92548983	AD1 (16-18')_20210709	N/A	07/09/2021	177	557	323	1,060	1,180J	<175	<3,490	5,300	<175	<175	<175	<175	<175	<175	<175	<175	<175	<175	15,000	3,080	4,350	2,240	1,440J	<175	12,900	<175	1,040	<175	<175	3,920	83,900	24,500	106,000	69,400	36,600
92548983	AD1 (44-46')_20210709*	N/A	07/09/2021	6,020	1,820	665	8,500	<5,170	20,900	<5,170	5,650	<258	<258	<258	<258	<258	<258	<258	<258	<258	1,320	73,500	5,630	5,380	<1,030	4,140	<258	13,900	21,000	3,000	<258	<258	212,000	115,000	32,600	372,000	264,000	108,000
92548983	AD2 (0-2')_20210709	N/A	07/09/2021	<4.6	<4.6	<4.6	<4.6	112J	<8.5	<169	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	10.2	<33.8	<84.5	4.8J	<8.5	<8.5	<8.5	<8.5	<8.5	23.0	7.3J	<8.5	29.1	21.5	7.6J
92548983	AD2 (18-20')_20210709*	N/A	07/09/2021	10,500	3,990	1,430	15,900	<21,100	56,500	<21,100	21,600	<1,060	<1,060	<1,060	<1060	<1,060	<1,060	<1,060	<1,060	<1060	2,200	263,000	21,800	20,100	68,000	15,000	<1,060	51,600	<1,060	10,700	<1,060	<1,060	750,000	461,000	<1,060	1,310,000	933,000	373,000
92548983	AD2 (32-35')_20210709*	N/A	07/09/2021	17,300	4,350	1,390	23,100	<25,900	62,300	<25,900	16,800	<1,290	<1,290	<1,290	<1290	<1,290	<1,290	<1,290	<1,290	<1290	2,990	224,000	16,100	14,300	79,800	10,200J	<1,290	43,100	61,900	9,130	<1,290	<1,290	690,000	339,000	95,800	1,120,000	798,000	319,000
92548983	AD3 (0-2')_20210709	N/A	07/09/2021	<3.5	<3.5	<3.5	<3.5	<134	<6.7	<134	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<26.8	<66.9	3.5J	<6.7	<6.7	<6.7	<6.7	<6.7	8.5	<6.7	<6.7	<13.4	<13.4	<6.7
92548983	AD3 (20-22')_20210709	N/A	07/09/2021	14,300	3,600	1,500	19,400	<37,100	107,000	<37,100	24,500	<1,860	<1,860	<1,860	<1,860	<1,860	<1,860	<1,860	<1,860	<1860	4,820	273,000	20,500	19,300	131,000	<18,600	<1,860	70,200	87,200	11,000	<1,860	<1,860	1,080,000	533,000	148,000	1,330,000	949,000	384,000
92548983	AD3 (36-38')_20210709*	N/A	07/09/2021	14,000	4,040	1,520	19,600	<15,600	95,300	<15,600	27,800	<781	<781	850	<781	<781	<781	<781	<781	<781	3,650	362,000	28,500	26,700	7,890	24,300	<781	61,300	<781	14,500	<781	<781	985,000	583,000	166,000	1,300,000	1,280,000	520,000
92548986	AD1A (0-2')_20210710	N/A	07/10/2021	11.9	<3.4	<3.4	13.8	<137	<6.8	<137	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<27.4	<68.4	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	9.2	12.9	<6.8	<13.7	<13.7	<6.8
92548986	AD1A (22-24')_20210710	N/A	07/10/2021	2,970	1,750	724	5,450	<3,060	1,890	<3,060	4,870	<153	<153	<153	<153	<153	<153	<153	<153	<153	99.4J	32,900	3,690	4,330	<612	3,310	<153	12,000	14,400	1,470	<153	<153	56,600	86,900	25,000	173,000	119,000	53,600
92548986	AD1A (40-42')_20210710*	N/A	07/10/2021	49.8	18.0	6.1	73.9	<130	536	182	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	140	1,210	119	152	<26	67.6	40.3	572	<6.5	54.8	<6.5	<6.5	3,260	2,790	780	6,440	4,480	1,960
92548986	AD5 (0-2')_20210710	N/A	07/10/2021	<3.3	<3.3	<3.3	<3.3	<161	<8.1	<161	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	91.4	<32.2	<80.6	<8.1	9.7	<8.1	<8.1	<8.1	<8.1	7.8J	23.2	<8.1	19.7	14.3J	5.4J
92548986	AD5 (22-24')_20210710	N/A	07/10/2021	99.7	45.6	21.2	167	111J	286	<282	499	<14.1	<14.1	<14.1	<14.1	<14.1	<14.1	<14.1	<14.1	<14.1	42.5	1,680	234	387	<56.4	156	8.8J	1,670	<14.1	83.2	<14.1	<14.1	3,200	6,930	2,080	9,110	6,210	2,890
92548986	AD5 (34-36')_20210710*	N/A	07/10/2021	126	52.2	22.9	201	191	1,430	150	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	209	1,260	<5.8	<5.8	<23.3	68.2	<5.8	743	619	<5.8	<5.8	<5.8	5,110	4,150	1,190	6,670	4,540	2,120
92548986	AD6 (0-2')_20210710	N/A	07/10/2021	<3.4	<3.4	<3.4	<3.4	<149	<7.5	<149	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	7.4J	<7.5	10.2	<29.9	<74.6	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	8.0	8.2	<7.5	22.9	14.8J	8.1
92548986	AD6 (24-26')_20210710	N/A	07/10/2021	1,450	736	294	2,480	1,120J	3,010	<3,110	4,480	<155	<155	<155	<155	<155	<155	<155	<155	<155	113J	34,700	3,600	4,110	<622	3,350	<155	10,900	15,500	1,550	<155	<155	66,700	89,000	26,200	180,000	127,000	53,700
92548986	AD6 (34-36')_20210710*	N/A	07/10/2021	34.9	9.4	<2.8	45.8	<115	261	37.4J	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	33.5	216	<5.8	47.3	<23.1	<57.6	8.1	204	<5.8	<5.8	<5.8	<5.8	1,200	445	<5.8	1,160	775	388
92548986	AD7 (0-2')_20210710	N/A	07/10/2021	<3.5	<3.5	<3.5	<3.5	<141	<7.1	<141	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<28.2	<70.6	<7.1	8.3	<7.1	<7.1	<7.1	<7.1	15.9	8.4	<7.1	25	19.4	5.6J
92548986	AD7 (24-26')_20210710	N/A	07/10/2021	11.5	<3.2	<3.2	12.7	<126	43.9	<126	<6.3	<6.3	<6.3	31.7	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	14.3	<6.3	<6.3	<25.3	<63.2	<6.3	8.1	<6.3	<6.3	<6.3	<6.3	139	23.7	<6.3	83.9	53.4	30.5
92548986	AD7 (28-30')_20210710*	N/A	07/10/2021	5,620	1,560	579	7,760	<4,590	12,000	<4,590	5,820	<230	<230	<230	<230	<230	<230	<230	<230	<230	450	52,200	4,610	<230	<918	4,400	<230	13,800	<230	2,160	<230	<230	154,000	107,000	31,800	258,000	183,000	75,000
92548986	AD8 (0-2')_20210710	N/A	07/10/2021	<3.1	<3.1	<3.1	<3.1	<121	<6.1	<121	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<24.3	<60.7	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	13.8	3.4J	<6.1	15.2	12.1J	3J
92548986	AD8 (20-22')_20210710	N/A	07/10/2021	<3.4	<3.4	<3.4	<3.4	<138	<6.9	<138	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<27.6	<68.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	13.2	<6.9	<6.9	10.8J	10.8J	<6.9
92548986	AD8 (36-38')_20210710*	N/A	07/10/2021	<3.2	<3.2	<3.2	<3.2	<123	84.8	<123	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	11.1	18.4	<6.2	<6.2	<24.6	<61.6	5.2J	7	<6.2	<6.2	<6.2	<6.2	238	14.5	<6.2	115	76.9	38.3
92549238	AD 9 (0-2')_20210712	N/A	07/12/2021	<4.1	<4.1	<4.1	<4.1	<153	<7.7	<153	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<30.7	<76.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	9.1	<7.7	<7.7	<15.3	<15.3	<7.7
92549238	AD 9 (26-28')_20210712	N/A	07/12/2021	51.5	10.2	<3	61.7	<123	<6.1	<123	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	137	<24.5	<61.3	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	7.8	<6.1	<6.1	<12.3	<12.3	<6.1
92549238	AF 7 (0-2')_20210712	N/A	07/12/2021	<4.2	<4.2	<4.2	<4.2	<155	28	<155	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	17.5	<7.8	<7.8	<31	<77.6	<7.8	5.7J	<7.8	<7.8	<7.8	<7.8	140	22.1	7.5J	101	68.1	32.5
92549238	AF 7 (22-24')_20210712	N/A	07/12/2021	<3.3	<3.3	<3.3	<3.3	<124	<6.2	<124	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	17.2	<24.8	<61.9	<6.2	4.2J	<6.2	<6.2	<6.2	<6.2	12.6	15.9	<6.2	18.1	10.6J	7.6
92549238	AF 7 (38-40')_20210712*	N/A	07/12/2021	<3.3	<3.3	<3.3	<3.3	<127	66.7	35.3J	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	45.9	6.9	<6.3	<6.3	<25.3	<63.3	32.8	9.1	<6.3	<6.3	<6.3	<6.3	111	15.1	<6.3	58.1	33.7	24.4
92549238	AF 8 (0-2')_20210712	N/A	07/12/2021	<3.2	<3.2	<3.2	5.7	57.8J	34.3	<139	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	56.1	4.9J	<6.9	<27.8	<69.4	<6.9	27.3	<6.9	3.6J	<6.9	<6.9	251	117	<6.9	321	213	108
92549

Table 2
Summary of Delineation Soil Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report	Sample ID	Well ID	Sample Date	MADEP VPH (mg/kg)				Volatile Organic Compounds (EPA 8260D) (µg/kg)																															
				Aliphatic (C05-C08)	Aliphatic (C09-C12)	Aromatic (C09-C10), Unadjusted	Total VPH	Acetone	Benzene	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Chlorobenzene	Chloroform	2-Chlorotoluene	4-Chlorotoluene	1,1-Dichloroethane	1,2-Dichloroethane	trans-1,3-Dichloropropene	Diisopropyl ether	Ethylbenzene	Isopropylbenzene (Cumene)	p-Isopropyltoluene	Methylene Chloride	4-Methyl-2-pentanone (MIBK)	Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylene (Total)	m&p-Xylene	o-Xylene
Soil-to-Water MSCCs				**68**	**540**	**31**	**NE**	**24,000**	**7.2**	**16,000**	**2,400**	**2,200**	**1,700**	**440**	**340**	**NE**	**280**	**30**	**1.9**	**300**	**320**	**8,000**	**1,300**	**120**	**23**	**420**	**85**	**200**	**1,400**	**900**	**4**	**5.0**	**5,400**	**6,600**	**6,600**	**6,000**	**NE**	**NE**
Residential MSCCs				**625**	**1,560**	**469**	**NE**	**14,000,000**	**12,000**	**9,380,000**	**782,000**	**1,560,000**	**1,560,000**	**312,000**	**21,000**	**NE**	**312,000**	**116,000**	**7,290**	**140,000**	**NE**	**60,300**	**1,560,000**	**1,560,000**	**93,800**	**1,250,000**	**156,000**	**5,500**	**1,560,000**	**3,120,000**	**25,200**	**93,800**	**1,250,000**	**156,000**	**156,000**	**3,120,000**	**NE**	**NE**
Industrial / Commercial MSCCs				**9,340**	**23,300**	**7,000**	**NE**	**210,000,000**	**59,400**	**140,000,000**	**11,600,000**	**23,300,000**	**23,300,000**	**4,670,000**	**105,000**	**NE**	**4,670,000**	**573,000**	**35,900**	**2,100,000**	**2,330,000**	**297,000**	**23,300,000**	**23,300,000**	**1,400,000**	**18,600,000**	**1,810,000**	**27,000**	**23,300,000**	**46,700,000**	**125,000**	**1,400,000**	**18,600,000**	**2,330,000**	**2,330,000**	**46,700,000**	**NE**	**NE**
92549416	AF3 (32-34')_20210713*	N/A	07/13/2021	**1,600**	**981**	**368**	**2,940**	<5,150	**4,730**	<5,150	**4,830**	<257	<257	<257	<257	<257	<257	<257	<257	<257	**384**	**45,500**	**4,070**	**4,410**	<1,030	**3,160**	**163J**	**12,200**	<257	**2,090**	<257	<257	**93,000**	**91,800**	**25,500**	**243,000**	**169,000**	**73,300**
92549416	AF4 (0-2')_20210713	N/A	07/13/2021	<3.2	<3.2	<3.2	**4.8**	<135	<6.8	<135	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<27.1	<67.7	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	**5.3J**	**4.2J**	<6.8	<13.5	<13.5	<6.8
92549416	AF4 (10-12')_20210713	N/A	07/13/2021	**449**	**156**	**87.5**	**693**	<1,730	**1,250**	<1,730	**2,470**	<86.7	<86.7	<86.7	<86.7	<86.7	<86.7	<86.7	<86.7	<86.7	**44.0J**	**14,800**	**1,840**	**2,100**	<347	**1,520**	<86.7	**5,900**	<86.7	**723**	<86.7	<86.7	**27,200**	**46,600**	**13,900**	**82,100**	**57,700**	**24,400**
92549416	AF4 (34-35')_20210713*	N/A	07/13/2021	**8,310**	**2,240**	**809**	**11,400**	<11,500	**33,200**	<11,500	**10,000**	<574	<574	<574	<574	<574	<574	<574	<574	<574	**1,360**	**124,000**	**9,940**	**9,300**	<2,290	**7,030**	<574	**22,300**	<574	**4,960**	<574	<574	**379,000**	**211,000**	**61,200**	**623,000**	**447,000**	**176,000**
92549416	AF5 (0-2')_20210713	N/A	07/13/2021	<3.7	<3.7	<3.7	<3.7	**90.2J**	**4.5J**	<150	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	**12.8**	<7.5	<7.5	<29.9	<74.8	<7.5	**12.3**	<7.5	<7.5	<7.5	<7.5	**45.0**	**43.7**	**14.7**	**84.6**	**60.3**	**24.3**
92549416	AF5 (14-16')_20210713	N/A	07/13/2021	**3.9**	<3.6	<3.6	**4.6**	<139	**211**	<139	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	**21.0**	**24.4**	<7	<7	<27.9	<69.7	<7	**4.0J**	<7	<7	<7	<7	**338**	**40.2**	**12.5**	**138**	**86.9**	**51.2**
92549416	AF5 (32-34')_20210713	N/A	07/13/2021	**17,400**	**3,810**	**1,450**	**22,600**	<12,400	**56,800**	<12,400	**17,600**	<620	<620	<620	<620	<620	<620	<620	<620	<620	**2,290**	**197,000**	**16,100**	**15,300**	<2,480	**14,900**	<620	**37,900**	<620	**7,980**	<620	<620	**619,000**	**357,000**	**105,000**	**970,000**	**696,000**	**274,000**
92549416	AF6 (0-2')_20210713	N/A	07/13/2021	<3.9	<3.9	<3.9	<3.9	<141	<7.1	<141	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	**4.8J**	<28.2	<70.5	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	**14.4**	<7.1	<7.1	<14.1	<14.1	<7.1
92549416	AF6 (22-24')_20210713	N/A	07/13/2021	**11.9**	**3.9**	<3.2	**16.2**	<121	**543**	<121	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	**57.0**	**241**	<6.1	**84.5**	<24.2	<60.6	<6.1	**115**	<6.1	**12.8**	<6.1	<6.1	**1,680**	**476**	**138**	**1,240**	**848**	**391**
92549416	AF6 (40-41')_20210713*	N/A	07/13/2021	**20.9**	**8.3**	<2.8	**31.9**	**45.1J**	**109**	<116	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	**29.9**	**200**	**22.3**	**31.0**	<23.2	<57.9	<5.8	**143**	<5.8	**10.5**	<5.8	<5.8	**694**	**548**	**161**	**1,030**	**712**	**320**
92550079	ACO AO 0-2_20210715	N/A	07/15/2021	<3.7	<3.7	**3.9**	**9.1**	<134	<6.7	<134	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	**31.5**	<26.8	<66.9	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	**6.7**	**4.4J**	<6.7	<13.4	<13.4	<6.7
92550079	ACO AO 8-10_20210715	N/A	07/15/2021	<3.9	<3.9	<3.9	<3.9	<148	<7.4	<148	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	**18.6**	<29.5	<73.9	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	**8.8**	**8.7**	<7.4	<14.8	<14.8	<7.4
92550079	ACOO 0-2_20210715	N/A	07/15/2021	<3.4	<3.4	<3.4	<3.4	<147	<7.4	<147	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<29.4	<73.5	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<14.7	<14.7	<7.4
92550079	ACOO 26-28_20210715	N/A	07/15/2021	**21.6**	**16.2**	**7.0**	**44.8**	<133	**55.1**	<133	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	**12.1**	**192**	**22.2**	**28.7**	<26.5	<66.3	<6.6	**185**	<6.6	**12.1**	<6.6	<6.6	**498**	**574**	**159**	**1,180**	**781**	**403**
92550079	ADOO 0-2_20210715	N/A	07/15/2021	<3.6	<3.6	<3.6	**5.4**	<139	<6.9	<139	**30.8**	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	**343**	<27.7	<69.4	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	**4.8J**	<6.9	<6.9	<13.9	<13.9	<6.9
92550079	ADOO 24-26_20210715	N/A	07/15/2021	**43.2**	**19.2**	**8.5**	**70.9**	<121	**51.9**	<121	**63.3**	<6	<6	<6	<6	<6	<6	<6	<6	<6	**9.6**	**283**	**40.7**	**56.6**	<24.1	<60.3	<6	**357**	<6	**15.4**	<6	<6	**447**	**996**	**277**	**1,660**	**1,110**	**547**
92550079	AEO 0-2_20210715	N/A	07/15/2021	<3.3	<3.3	<3.3	<3.3	<133	<6.6	<133	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	**49.4**	<26.5	<66.3	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	**3.4J**	<6.6	<6.6	<13.3	<13.3	<6.6
92550079	AEO 8-10_20210715	N/A	07/15/2021	<3.5	<3.5	<3.5	<3.5	<140	<7	<140	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<27.9	<69.8	<7	<7	<7	<7	<7	<7	**3.7J**	<7	<7	<14	<14	<7
92550079	AEOO 0-2_20210715	N/A	07/15/2021	<3.6	<3.6	<3.6	<3.6	<126	<6.3	<126	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	**5.5J**	<25.2	<63	<6.3	**8.0**	<6.3	<6.3	<6.3	<6.3	**9.7**	**7.5**	<6.3	**16.0**	**11.5J**	**4.5J**
92550079	AEOO 12-14_20210715	N/A	07/15/2021	<3.6	<3.6	<3.6	<3.6	<140	<7	<140	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<27.9	<69.8	<7	<7	**13.0**	<7	<7	<7	**5.7J**	**4.0J**	<7	<14	<14	<7
92550085	ACOAO 42-44_20210715*	N/A	07/15/2021	**1,180**	**749**	**282**	**2,210**	<1,460	**1,270**	**1,170J**	**1,460**	<73	<73	<73	<73	<73	<73	<73	<73	<73	**166**	**13,800**	**1,400**	**1,450**	<292	**1,120**	<73	**4,750**	**5,260**	**55J**	<73	<73	**30,300**	**29,900**	**8,550**	**83,900**	**58,500**	**25,300**
92550085	ACOO 40-4.5_20210715*	N/A	07/15/2021	**10.1**	**5.8**	<3	**16.6**	<127	**356**	**37.9J**	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	**67.3**	**57.1**	<6.3	<6.3	<25.4	<63.5	**21.8**	**15.5**	<6.3	<6.3	<6.3	<6.3	**771**	**32.4**	<6.3	**313**	**205**	**108**
92550085	ADOO 34-36_20210715*	N/A	07/15/2021	**3.8**	<3	<3	**5.2**	<123	**215**	<123	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	**75.6**	**58.3**	<6.1	<6.1	<24.6	<61.5	**15.6**	**22.7**	<6.1	**4.6J**	<6.1	<6.1	**625**	**48.9**	<6.1	**356**	**241**	**114**
92550085	AEO 22-24_20210715	N/A	07/15/2021	<3.7	<3.7	<3.7	<3.7	<139	<6.9	<139	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<27.7	<69.3	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<13.9	<13.9	<6.9
92550085	AEOO 32-34_20210715*	N/A	07/15/2021	<3.4	<3.4	<3.4	<3.4	<132	<6.6	<132	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<26.4	<66	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	**5J**	<6.6	<6.6	<13.2	<13.2	<6.6
92550088	AAOO 0-2_20210714	N/A	07/14/2021	<3.1	<3.1	<3.1	<3.1	<125	<6.3	<125	**6J**	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	**4.5J**	<6.3	**14.8**	<25	<62.5	<6.3	**16.4**	<6.3	<6.3	<6.3	<6.3	**15.8**	**35.6**	<6.3	**39.5**	**27.8**	**11.7**
92550088	AAOO 4-6_20210714	N/A	07/14/2021	<3.3	<3.3	<3.3	**4.8**	<147	<7.4	<147	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	**23.2**	<7.4	<7.4	<29.5	**16.7J**	<7.4	**27.0**	<7.4	<7.4	<7.4	<7.4	<7.4	**28.6**	**121**	**38.7**	**145**	**102**	**43.4**
92550088	ABOO 0-2_20210714	N/A	07/14/2021	<3.5	<3.5	<3.5	**5.1**	<143	<7.1	<143	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	**127**	<28.6	<71.4	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<14.3	<14.3	<7.1
92550088	AF1A 0-2_20210714	N/A	07/14/2021	<3.3	<3.3	<3.3	**4.1**	<128	<6.4	<128	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<25.6	<64.1	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	**7.6**	**3.7J**	<6.4	**11.0J**	**11.0J**	<6.4
92550088	AF1A 22-24_20210714	N/A	07/14/2021	**41.4**	**210**	**174**	**426**	<2,440	<122	**601J**	**2,780**	<122	<122	<122	<122	<122	<122	<122	<122	<122	<122	**8,330**	**1,930**	**2,710**	<487	**601J**	<122	**7,910**	**8,300**	**698**	<122	<122	**3,890**	**52,700**	**14,800**	**65,400**	**42,300**	**23,100**
92550088	AF1B 0-2_20210714	N/A	07/14/2021	<3.1	<3.1	<3.1	<3.1	<128	<6.4	<128	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<25.6	<64	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	**3.5J**	<6.4	<6.4	<12.8	<12.8	<6.4
92550088	AF1B 24-26_20210714	N/A	07/14/2021	**3,310**	**2,880**	**1,160**	**7,350**	<6,200	**617**	**2,560J**	**8,750**	<310	<310	<310	<310	<310	<310	<310	<310	<310	**124,000**	**11,400**	**9,630**	<1,240	**9710**	<310	**23,000**	**38,300**	**5,830**	<310	<310	**191,000**	**199,000**	**59,500**	**730,000**	**516,000**	**214,000**
92550088	AF1C 0-2_20210714	N/A	07/14/2021	<3.2	<3.2	<3.2	**4.2**	<130	**13**	<130	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	**47.1**	<6.5	**8.1**	<26	<65.1	<6.5	**6.1J**	<6.5	<6.5	<6.5	<6.5	**164**	**41.7**	<6.5	**242**	**181**	**61.2**
92550088	AF1C 24-26_20210714	N/A	07/14/2021	<2.7	<2.7	<2.7	<2.7	<109	**4.2J**	<109	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	**7.8**	<5.5	<5.5	<21.9	<54.6	<5.5	**10.2**	<5.5	<5.5	<5.5	<5.5	**27.7**	**21.6**	<5.5	**43.9**	**28.2**	**15.8**
92550088	AF1D 0-2_20210714	N/A	07/14/2021	<3.6	<3.6	<3.6	**4.1**	<135	<6.7	<135	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	**31.3**	<26.9	<67.4	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	**7.1**	**4.2J**	<6.7	<13.5	<13.5	<6.7
92550088	AF1D 24-26_20210714	N/A	07/14/2021	**38.7**	**20.9**	**10.9**	**70.5**	<125	**57.1**	**175**	**242**	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	**630**	**117**	<6.3	<25.1	**130**	<6.3	**570**	**518**	**29.5**	<6.3	<6.3	**866**	**3,170**	**933**	**3,720**	**2,620**	**1,100**
92550144	AE1 0-2_20210716	N/A	07/16/2021	<3.2	<3.2	<3.2	<3.2	<121	<6	<121	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<24.2	<60.5	<6	<6	<6	<6	<6	<6	<6	**3.5J**	<6	<12.1	<12.1	<6
92550144	AE1 10-12_20210716	N/A	07/16/2021	<3.2	<3.2	<3.2	**3.2**	<123	**26.8**	<123	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	**5.8J**	**6.1J**	<6.1	<6.1	<24.5	<61.3	<6.1	**6.0J**	<6.1	<6.1	<6.1	<6.1	**68.9**	**16.5**	<6.1	**56.3**	**32.5**	**23.8**
92550144	AE1 34-36_20210716*	N/A	07/16/2021	**41.0**	**9.6**	<3.6	**52.0**	<148	**595**	**82.4J**	**30.0**	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	**154**	**407**	**28.2**	**28.9**	<29.6	<74	<7.4	**118**	**111**	**20.9**	<7.4	<7.4	**2,410**	**593**	**149**	**2,330**	**1,620**	**707**
92550144	AE2 0-2_20210716	N/A	07/16/2021	<3.5	<3.5	<3.5	**4.7**	<146	**40.3**	<146	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	**14.3**	<7.3	**6.0J**	<29.2	<73.1	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	**148**	**19.8**	<7.3	**136**	**102**	**34.3**
92550144	AE2 12-14_20210716	N/A	07/16/2021	**10.9**	<3.2	<3.2	**13.8**	<128	**586**	<128	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	**81.7**	**125**	<6.4	<6.4	<25.7	<64.2	**28.5**	**31.3**	<6.4	**7.5**	<6.4	<6.4	**1,750**	**68.2**	<6.4	**698**	**462**	**237**
92550144	AE2 32-34_20210716*	N/A	07/16/2021	**5.0**	<3	<3	**6.0**	<119	**474**	<119	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	**322**	**71.9**	<6	<6	<23.9	<59.7	**215**	**27.4**	<6	**4.9J**	<6	<6	**1,020**	**49.9**	<6	**417**	**271**	**146**
92550144	AE3 0-2_20210716	N/A	07/16/2021	**5.8**	**33.2**	**43**	**81.5**	<150	**32.7**	<150	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	**52.4**	<7.5	**10.4**	<30	<75.1	<7.5	**22.7**	<7.5	<7.5	<7.5	<7.5	**277**	**84.2**	<7.5	**331**	**235**	**95.9**
92550144	AE3 14-16_20210716	N/A	07/16/2021	**9.9**	**11.4**	<3.4	**22.3**	<140	**83.1**	**39.9J**	**3.7J**	<7	<7	<7	<7	<7	<7	<7	<7	<7	**26.3**	**38.4**	<7	<7	<28	<69.9	<7	**21.2**	<7	<7	<7	<7	**215**	**81.0**	<7	**274**	**160**	**115**
92550144	AE3 30-32_20210716*	N/A	07/16/2021	<4.8	<4.8	<4.8	**11.5**	<137	<6.9	<137	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<27.4	<68.5	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	**7.3**	<6.9	<13.7	<13.7	<6.9
92550144	AE4 0-2_20210716	N/A	07/16/2021	<3.7	<3.7	<3.7	<3.7	<141	<7	<141	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<28.1	<70.3	<7	<7	<7	<7	<7	<7	<7	<7	<7	<14.1	<14.1	<7
92550144	AE4 16-18_20210716	N/A	07/16/2021	<3.4	<3.4	<3.4	<3.4	<131	**53.4**	<131	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	**8.5**	**20.6**	<6.5	<6.5	<26.2	<65.5	<6.5	**8.4**	<6.5	<6.5	<6.5	<6.5	**201**	**27.5**	<6.5	**123**	**78.5**	**44.6**
92550144	AE4 28-30_20210716*	N/A	07/16/2021	**4.0**	<3.5	<3.5	**5.5**	<135	**109**	<135	**3.8J**	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	**76.1**	<6.8	<6.8	<27.1	<67.7	<6.8	**19.8**	<6.8	<6.8	<6.8	<6.8	**756**	**74.4**	<6.8	**460**	**309**	**151**
92550103	AB00 30-32_20210714	N/A	07/14/2021	<2.8	<2.8	<2.8	<2.8	<118	**19.5**	<118	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	**5.2J**	<5.9	<5.9	<5.9	<23.6	<58.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	**61.0**	**8.8**	<5.9	**31.3**	**19.8**	**11.4**
92550103	AA00 36-38_20210714	N/A	07/14/2021	**5.7**	<3.4	<3.4	**8.1**	<130	**97.5**	<130	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	**33.7**	**27.6**	<6.5	<6.5	<25.9	<64.9	<6.5	**31.4**	<6.5	<6.5	<6.5	<6.5	**280**	**44.2**	<6.5	**167**	**106**	**61.2**
92550103	AF1A 40-42_20210714*	N/A	07/14/2021	**11,300**	**3,220**	**1,080**	**15,600**	<16,800	**37,500**	**23,500**	**10,700**	<838	<838	<838	<838	<838	<838	<838	<838	<838	**3,010**	**161,000**	**12,500**	**10,700**	<3,350	**10,400**	<838	**28,400**	**47,100**	**7,450**	<838	<838	**528,000**	**238,000**	**62,600**	**908,000**	**648,000**	**260,000**
92550103	AF1B 44-46_20210714*	N/A	07/14/2021	**29.7**	**6.9**	<3.1	**37.6**	**111J**	**1,470**	**488**	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	**566**	**282**	**5.2J**	<6.5	<26.1	<65.2	**426**	**62.9**	<6.5	**13.5**	<6.5	<6.5	**3,650**	**163**	<6.5	**1,580**	**1,060**	**519**
92550103	AF1C 44-46_20210714*	N/A	07/14/2021	**49.6**	**26.8**	**9.1**	**85.5**	<121	**626**	**324**	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	**417**	**376**	**41.2**	**60.2**	<24.2	**37.4J**	**247**	**351**	**153**	**22.4**	<6.1	<6.1	**1,850**	**1,040**	**251**	**2,280**	**1,470**	**810**
92550103	AF1D 36-38_20210714*	N/A	07/14/2021	**8,300**	**2,490**	**874**	**11,700**	<16,300	**22,000**	<16,300	**7,200**	<815	<815	<815	<815	<815	<815	<815	<815	<815	**1,030**	**99,400**	**8,310**	**7,490**	<3,260	**6,660J**	<815	**22,700**	**31,800**	**4,520**	<815	<815	**343,000**	**175,000**	**51,100**	**558,000**	**395,000**	**162,000**
92550329	AEA1 0-2_20210717	N/A	07/17/2021	<4.1	**11.0**	**12.9**	**27.4**	<174	<8.7	<174	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	**140**	<34.8	<86.9	<8.7	<8.7	<8.7	<8.7	<8.7	<8.7	**8.5J**	**11.7**	<8.7	<17.4	<17.4	<8.7
92550329	AEA1 16-18_20210717	N/A	07/17/2021	<3.7	<3.7	<3.7	**6.3**	<145	**160**	<145	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	**45.4**	**92.6**	**4.9J**	<7.2	<28.9	<72.3	<7.2	**20.1**	<7.2	**5.5J**	<7.2	<7.2	**638**	**94.2**	<7.2	**546**	**367**	**179**
92550329	AEA1 32-34_20210717*	N/A	07/17/2021	**22.9**	**4.6**	<3.5	**27.6**	<136	**978**	<136	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	**75.9**	**322**	**9**	<6.8	<27.2	<67.9	<6.8	**42.2**	<6.8	**18.5**	<6.8	<6.8	**3,360**	**164**	<6.8	**1,780**	**1,250**	**530**
92550103	AA00 36-38_20210714*	N/A	07/14/2021	**5.7**	<3.4	<3.4	**8.1**	<130	**97.5**	<130	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	**33.7**	**27.6**	<6.5	<6.5	<25.9	<64.9	<6.5	**31.4**	<6.5	<6.5	<6.5	<6.5	**280**	**44.2**	<6.5	**167**	**106**	**61.2**
92550103	AB00 30-32_20210714*	N/A	07/14/2021	<2.8	<2.8	<2.8	<2.8	<118	**19.5**	<118	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	**5.2J**	<5.9	<5.9	<5.9	<23.6	<58.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	**61**	**8.8**	<5.9	**31.3**	**19.8**	**11.4**
92550103	AF1A 40-42_20210714*	N/A	07/14/2021	**11,300**	**3,220**	**1,080**	**15,600**	<16,800	**37,500**	**23,500**	**10,700**	<838	<838	<838	<838	<838	<838	<838	<838	<838	**3,010**	**161,000**	**12,500**	**10,700**	<3,350	**10,400**	<838	**28,400**	**47,100**	**7,450**	<838	<838	**528,000**	**238,000**	**62,600**	**908,000**	**648,000**	**260,000**
92550103	AF1B 44-46_20210714*	N/A	07/14/2021	**29.7**	**6.9**	<3.1	**37.6**	**111J**	**1,470**	**488**	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	**566**	**282**	**5.2J**	<6.5	<26.1	<65.2	**426**	**62.9**	<6.5	**13.5**	<6.5	<6.5	**3,650**	**163**	<6.5	**1,580**	**1,060**	**519**
92550103	AF1C 44-46_20210714*	N/A	07/14/2021	**49.6**	**26.8**	**9.1**	**85.5**	<121	**626**	**324**	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	**417**	**376**	**41.2**	**60.2**	<24.2	**37.4J**	**247**	**351**	**153**	**22.4**	<6.1	<6.1	**1,850**	**1,040**	**251**	**2,280**	**1,470**	**810**
92550103	AF1D 36-38_20210714*	N/A	07/14/2021	**8,300**	**2,490**	**874**	**11,700**	<16,300	**22,000**	<16,300	**7,200**	<815	<815	<815	<815	<815	<815	<815	<815	<815	**1,030**	**99,400**	**8,310**	**7,490**	<3,260	**6,660J**	<815	**22,700**	**31,800**	**4,520**	<815	<815	**343,000**	**175,000**	**51,100**	**558,000**	**395,000**	**162,000**
92551963	AE6 (0-2)_20210727	N/A	07/27/2021	<3.7	<3.7	<3.7	<3.7	<120	<6	<120	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<24.1	<60.2	<6	<6	<6	<6	<6	<6	<6	<6	<6	<12	<12	<6
92551963	AE6 (18-20)_20210727	N/A	07/27/2021	<3.5	<3.5	<3.5	<3.5	<124	**47.6**	<124	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	**5

Table 2
Summary of Delineation Soil Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report	Sample ID	Well ID	Sample Date	MADEP VPH (mg/kg)				Volatile Organic Compounds (EPA 8260D) (µg/kg)																															
				Aliphatic (C05-C08)	Aliphatic (C09-C12)	Aromatic (C09-C10), Unadjusted	Total VPH	Acetone	Benzene	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Chlorobenzene	Chloroform	2-Chlorotoluene	4-Chlorotoluene	1,1-Dichloroethane	1,2-Dichloroethane	trans-1,3-Dichloropropene	Diisopropyl ether	Ethylbenzene	Isopropylbenzene (Cumene)	p-Isopropyltoluene	Methylene Chloride	4-Methyl-2-pentanone (MIBK)	Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylene (Total)	m&p-Xylene	o-Xylene
Soil-to-Water MSCCs				**68**	**540**	**31**	**NE**	**24,000**	**7.2**	**16,000**	**2,400**	**2,200**	**1,700**	**440**	**340**	**NE**	**280**	**30**	**1.9**	**300**	**320**	**8,000**	**1,300**	**120**	**23**	**420**	**85**	**200**	**1,400**	**900**	**4**	**5.0**	**5,400**	**6,600**	**6,600**	**6,000**	**NE**	**NE**
Residential MSCCs				**625**	**1,560**	**469**	**NE**	**14,000,000**	**12,000**	**9,380,000**	**782,000**	**1,560,000**	**1,560,000**	**312,000**	**21,000**	**NE**	**312,000**	**116,000**	**7,290**	**140,000**	**NE**	**60,300**	**1,560,000**	**1,560,000**	**93,800**	**1,250,000**	**156,000**	**5,500**	**1,560,000**	**3,120,000**	**25,200**	**93,800**	**1,250,000**	**156,000**	**156,000**	**3,120,000**	**NE**	**NE**
Industrial / Commercial MSCCs				**9,340**	**23,300**	**7,000**	**NE**	**210,000,000**	**59,400**	**140,000,000**	**11,600,000**	**23,300,000**	**23,300,000**	**4,670,000**	**105,000**	**NE**	**4,670,000**	**573,000**	**35,900**	**2,100,000**	**2,330,000**	**297,000**	**23,300,000**	**23,300,000**	**1,400,000**	**18,600,000**	**1,810,000**	**27,000**	**23,300,000**	**46,700,000**	**125,000**	**1,400,000**	**18,600,000**	**2,330,000**	**2,330,000**	**46,700,000**	**NE**	**NE**
92552232	AE5 (16-18)_20210728	N/A	07/28/2021	<3.6	<3.6	<3.6	<3.6	<125	**14.4**	<125	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<24.9	<62.3	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	**28.5**	**3.5J**	<6.2	<12.5	<12.5	**3.4J**
92552232	AE5 (24-26)_20210728*	N/A	07/28/2021	**10,800**	**2,680**	**981**	**14,500**	<15,700	**34,800**	<15,700	**7,130**	<787	<787	<787	<787	<787	<787	<787	<787	**1,540**	**90,900**	**7,350**	<787	<787	<3,150	<7,870	<787	**19,400**	**27,800**	**3,980**	<787	<787	**346,000**	**158,000**	**46,800**	**475,000**	**352,000**	**123,000**
92552232	AG5 (0-2)_20210728	N/A	07/28/2021	<5.2	<5.2	<5.2	<5.2	<161	<8	<161	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<32.1	<80.3	<8	<8	<8	<8	<8	<8	<8	<8	<8	<16.1	<16.1	<8
92552232	AG5 (16-18)_20210728	N/A	07/28/2021	<3.7	<3.7	<3.7	<3.7	<128	<6.4	<128	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<25.5	<63.8	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<12.8	<12.8	<6.4
92552232	AG5 (24-26)_20210728	N/A	07/28/2021	**3.6**	<3.4	<3.4	**4.1**	<115	**111**	<115	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	**29.2**	<5.8	<5.8	<23.1	<57.7	<5.8	**17.4**	<5.8	<5.8	<5.8	<5.8	**468**	**17.3**	<5.8	**153**	**96.3**	**56.4**
92552232	AG6 (0-2)_20210728	N/A	07/28/2021	<3.8	<3.8	<3.8	<3.8	<132	<6.6	<132	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<26.5	<66.2	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<13.2	<13.2	<6.6
92552232	AG6 (16-18)_20210728	N/A	07/28/2021	<3.6	<3.6	<3.6	<3.6	<120	**5.1J**	<120	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<24	<59.9	<6	<6	<6	<6	<6	<6	**10.9**	<6	<6	<12	<12	<6
92552232	AG6 (26-28)_20210728*	N/A	07/28/2021	**153**	**35.7**	**15.6**	**204**	<140	**931**	**132J**	**84.5**	<7	<7	<7	<7	<7	<7	<7	<7	**80.6**	**635**	**61.1**	**67.6**	<28.1	<70.2	<7	**333**	**238**	**29.9**	<7	<7	**3,650**	**1,490**	**442**	**3,380**	**2,460**	**929**
92552521	AG1 (0-2)_20210729	N/A	07/29/2021	<4.2	<4.2	<4.2	<4.2	**632**	**11.6**	**4,070**	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	**62.9**	**5.9J**	**93.2**	<37.6	<93.9	<9.4	**19.2**	<9.4	<9.4	<9.4	<9.4	**192**	**116**	<9.4	**342**	**251**	**91.7**
92552521	AG1 (1-16)_20210729	N/A	07/29/2021	**151**	**48.2**	**17.8**	**217**	<430	**783**	<430	**602**	<21.5	<21.5	<21.5	<21.5	<21.5	<21.5	<21.5	<21.5	<21.5	**5,640**	**553**	**510**	<86.1	<215	<21.5	**1,500**	**1,800**	**270**	<21.5	<21.5	**13,600**	**10,900**	**3,060**	**31,400**	**22,900**	**8,560**
92552521	AG1 (2-4)_20210729	N/A	07/29/2021	<3.8	<3.8	<3.8	**5.8**	<149	<7.4	<149	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<29.7	<74.3	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<14.9	<14.9	<7.4
92552521	AG2 (0-2)_20210729	N/A	07/29/2021	<3.7	**6.3**	**8.5**	**15.8**	<152	<7.6	**328**	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	**266**	<30.4	<75.9	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	**4.3J**	<7.6	<7.6	<15.2	<15.2	<7.6
92552521	AG2 (10-12)_20210729	N/A	07/29/2021	<4.0	<4.0	<4.0	<4.0	<156	**4.6J**	<156	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<31.2	<77.9	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	**31.3**	<7.8	<7.8	**18.5**	**10.8J**	**7.7J**
92552521	AG2 (22-24)_20210729*	N/A	07/29/2021	<3.8	<3.8	<3.8	**5.6**	<184	**16.3**	<184	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	**24.2**	<9.2	<9.2	<36.8	<92	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	**108**	**39.8**	**11.8**	**124**	**89.4**	**35.0**
92552521	AG3 (0-2)_20210729	N/A	07/29/2021	<3.6	<3.6	<3.6	<3.6	<156	<7.8	<156	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	**51.9**	<31.2	<77.9	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	**5.2J**	<7.8	<7.8	<15.6	<15.6	<7.8
92552521	AG3 (22-24)_20210729*	N/A	07/29/2021	**11,000**	**3,450**	**1,240**	**15,700**	<6,900	**17,900**	<6,900	**9,510**	<345	<345	<345	<345	<345	<345	<345	<345	**628**	**107,000**	**9,610**	**8,730**	<1,380	**4,750**	<345	**20,800**	**34,400**	**4,850**	<345	<345	**276,000**	**190,000**	**56,300**	**579,000**	**425,000**	**154,000**
92552521	AG3 (6-8)_20210729	N/A	07/29/2021	<3.9	**5.5**	**6.5**	**13.3**	<157	<7.9	<157	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<31.4	<78.6	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<15.7	<15.7	<7.9
92552521	AGA1 (0-2)_20210729	N/A	07/29/2021	<4	<4	<4	<4.0	<162	<8.1	<162	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	**72.8**	<32.4	<80.9	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<16.2	<16.2	<8.1
92552521	AGA1 (16-18)_20210729	N/A	07/29/2021	<3.6	<3.6	<3.6	<3.6	<140	<7	<140	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<28	<70	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<14	<14	<7
92552521	AGA1 (2-4)_20210729	N/A	07/29/2021	<3.4	<3.4	<3.4	<3.4	<153	<7.6	<153	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<30.5	<76.3	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<15.3	<15.3	<7.6
92552651	AC 001 (0-2)_20210730	N/A	07/30/2021	<3.1	<3.1	<3.1	<3.1	<120	<6	<120	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<24	<60.1	<6	<6	<6	<6	<6	<6	<6	<6	<6	<12	<12	<6
92552651	AC 001 (32-34)_20210730*	N/A	07/30/2021	<3.1	<3.1	<3.1	<3.1	<117	<5.8	<117	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<23.3	<58.3	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<11.7	<11.7	<5.8
92552651	AC 001 (8-10)_20210730	N/A	07/30/2021	<3.3	<3.3	<3.3	<3.3	<127	<6.3	<127	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<25.4	<63.4	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<12.7	<12.7	<6.3
92552651	AC0 A00 (0-2)_20210730	N/A	07/30/2021	<4.1	<4.1	<4.1	<4.1	<167	<8.4	**996**	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<33.4	<83.6	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<16.7	<16.7	<8.4
92552651	AC0 A00 (10-12)_20210730	N/A	07/30/2021	<3.3	<3.3	<3.3	<3.3	<134	<6.7	<134	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<26.9	<67.1	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<13.4	<13.4	<6.7
92552651	AC0 A00 (32-34)_20210730*	N/A	07/30/2021	<2.7	<2.7	<2.7	<2.7	<108	<5.4	<108	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<21.6	<54.1	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<10.8	<10.8	<5.4
Soil Delineation Samples (Area B)																																						
92541434	A5 (4-6')	N/A	05/27/2021	<4.3	<4.3	<4.3	<4.3	<187	<9.3	<187	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<37.4	<93.4	**17.4**	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<18.7	<18.7	<9.3
92542469	A5 (7-9') 20210603	N/A	06/03/2021	<3.8	<3.8	<3.8	<3.8	<141	<7.1	<141	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<28.3	<70.7	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	**4.7J**	<7.1	<7.1	<14.1	<14.1	<7.1
92541434	A6 (4-6')	N/A	05/27/2021	<3.3	<3.3	<3.3	<3.3	<147	<7.4	<147	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<29.5	<73.7	**10.6**	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<14.7	<14.7	<7.4
92542469	A6 (8-10')_20210603	N/A	06/03/2021	<4.9	<4.9	<4.9	<4.9	<131	<6.5	<131	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<26.1	<65.3	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	**5.1J**	<6.5	<6.5	<13.1	<13.1	<6.5
92541434	A7 (8-10')	N/A	05/27/2021	<4.1	<4.1	<4.1	<4.1	<172	<8.6	<172	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<34.3	<85.8	**18.0**	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<17.2	<17.2	<8.6
92541039	A8(8-10')	N/A	05/26/2021	<3.5	<3.5	<3.5	<3.5	<157	<7.8	<157	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<31.3	<78.3	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<15.7	<15.7	<7.8
92541039	A9(10'-12')	N/A	05/26/2021	<4	<4	<4	<4	<164	<8.2	<164	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<32.8	<81.9	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<16.4	<16.4	<8.2
92541039	A10(16'-18')	N/A	05/26/2021	<4	<4	<4	<4	<171	<8.5	<171	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<34.2	<85.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<17.1	<17.1	<8.5
92541039	A11(14'-16')	N/A	05/25/2021	<4	<4	<4	<4	<152	<7.6	<152	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<30.4	<76	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<15.2	<15.2	<7.6
92541039	A12(20'22')	N/A	05/25/2021	<3.5	<3.5	<3.5	<3.5	<147	<7.3	<147	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<29.3	<73.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<14.7	<14.7	<7.3
92541434	B3 (12-14')	N/A	05/27/2021	<4.4	<4.4	<4.4	<4.4	<215	<10.8	<215	<10.8	<10.8	<10.8	<10.8	<10.8	<10.8	<10.8	<10.8	<10.8	<10.8	<10.8	<10.8	<10.8	<10.8	<43.1	<108	**18.7**	<10.8	<10.8	<10.8	<10.8	<10.8	<10.8	<10.8	<10.8	<21.5	<21.5	<10.8
92541434	B4 (8-10')	N/A	05/27/2021	<4.2	<4.2	<4.2	<4.2	<189	<9.5	<189	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<37.8	<94.5	**20.4**	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<18.9	<18.9	<9.5
92541039	B13A(28'30')	N/A	05/25/2021	<3.2	<3.2	<3.2	<3.2	<122	<6.1	<122	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<24.4	<61	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<12.2	<12.2	<6.1
92540644	BA13B(8'-10')	N/A	05/24/2021	<3.1	<3.1	<3.1	<3.1	<126	<6.3	<126	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<25.2	<63.1	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	**4.2J**	<6.3	<6.3	<12.6	<12.6	<6.3
92540644	BA13B(28'-30')	N/A	05/24/2021	<6.2	<6.2	<6.2	<6.2	<246	<12.3	<246	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3	**70**	<49.1	<123	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3	**24.4**	<12.3	<12.3	<24.6	<24.6	<12.3
92541434	C3 (10-12')	N/A	05/27/2021	<3.9	<3.9	<3.9	<3.9	<202	<10.1	<202	<10.1	<10.1	<10.1	<10.1	<10.1	<10.1	<10.1	<10.1	<10.1	<10.1	<10.1	<10.1	<10.1	<10.1	<40.3	<101	**13.9**	<10.1	<10.1	<10.1	<10.1	<10.1	<10.1	<10.1	<10.1	<20.2	<20.2	<10.1
92540644	CH (22'-24')	N/A	05/24/2021	<3.3	<3.3	<3.3	<3.3	<139	<7	<139	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<27.9	<69.7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<13.9	<13.9	<7
92540644	DI5 (22'-24')	N/A	05/24/2021	<3.5	<3.5	<3.5	<3.5	<149	<7.4	<149	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<29.7	<74.3	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	**4.5J**	<7.4	<7.4	<14.9	<14.9	<7.4
92541461	D2 (12-14')	N/A	05/28/2021	<3.5	**4.3**	<3.5	**7.6**	<171	<8.6	<171	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<34.2	<85.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<17.1	<17.1	<8.6
92541461	E1 (14-16')	N/A	05/28/2021	<4	<4	<4	<4	<166	<8.3	<166	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<33.2	<83	**9.6**	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<16.6	<16.6	<8.3
92542348	E16 (36-37)_20210602	N/A	06/02/2021	<4.4	<4.4	<4.4	<4.4	<136	<6.8	<136	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<27.1	<67.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	**6.3J**	<6.8	<6.8	<13.6	<13.6	<6.8
92541461	F1 (16-18')	N/A	05/28/2021	<3.3	<3.3	<3.3	<3.3	<138	<6.9	<138	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<27.6	<68.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<13.8	<13.8	<6.9
92542469	F16 (36-37')_20210603	N/A	06/03/2021	<3.3	<3.3	<3.3	<3.3	<144	<7.2	<144	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<28.7	<71.8	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	**4.4J**	<7.2	<7.2	<14.4	<14.4	<7.2
92541461	G1 (16-18')	N/A	05/28/2021	<3.5	<3.5	<3.5	<3.5	<149	<7.5	<149	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<29.8	<74.6	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<14.9	<14.9	<7.5
92541693	G16 (32'-34')	N/A	06/01/2021	<3.4	<3.4	<3.4	<3.4	<151	<7.5	<151	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<30.1	<75.3	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<15.1	<15.1	<7.5
92541693	G16(28'-30')	N/A	06/01/2021	<4.6	<4.6	<4.6	<4.6	<151	<7.6	<151	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<30.2	<75.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<15.1	<15.1	<7.6
92541461	H1 (16-18')	N/A	05/28/2021	<4	<4	<4	<4	<149	<7.4	<149	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<29.8	<74.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<14.9	<14.9	<7.4
92541693	H16 (36'-38')	N/A	06/01/2021	<3.2	<3.2	<3.2	<3.2	<129	<6.5	<129	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<25.8	<64.6	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	**4.1**	<6.5	<6.5	<12.9	<12.9	<6.5
92541461	I1 (22-24')	N/A	05/28/2021	<3.4	<3.4	<3.4	<3.4	<139	**11.7**	<139	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	**3.6J**	<7	<7	<27.8	<69.6	<7	<7	<7	<7	<7	<7	**33.6**	<7	<7	**19.5**	**13.4J**	**6.1J**
92545117	IA1 14-16_20210617	N/A	06/17/2021	**4**	**5**	<3.9	**10**	<149	<7.5	<149	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	**5.6J**	<7.5	<7.5	<29.8	<74.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	**24.2**	<7.5	<7.5	**12.9J**	**12.9J**	<7.5
92541693	I16 (38'-39')	N/A	06/01/2021	<3.8	<3.8	<3.8	<3.8	<146	<7.3	<146	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<29.2	<72.9	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<14.6	<14.6	<7.3
92541659	J1 14-16	N/A	05/29/2021	<2.8	<2.8	<2.8	<2.8	<121	<6	<121	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<24.1	<60.3	<6	**5.6J**	<6	<6	<6	<6	**4.9J**	<6	<6	**5.8J**	**5.8J**	<6
92541659	J1 22-24	N/A	05/29/2021	<3	<3	<3	<3	<120	**4.1J**	<120	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	**5.1J**	<6	<6	<24	<60	<6	**4.0J**	<6	<6	<6	<6	**10.4**	<6	<6	**11.5J**	**7.7J**	**3.8J**
92541693	J16 (38'-40')	N/A	06/01/2021	<4.2	<4.2	<4.2	<4.2	<129	<6.4	<129	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<25.8	<64.5	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	**3.4**	<6.4	<6.4	<12.9	<12.9	<6.4
92541659	K2 22-24	N/A	05/29/2021	<3.2	<3.2	<3.2	<3.2	<134	**4.5J**	<134	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<26.8	<67.1	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	**21.9**	<6.7	<6.7	<13.4	<13.4	<6.7
92541681	K16 (42'-44')_20210531	N/A	05/31/2021	<3	<3	<3	<3	<125	<6.3	<125	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<25	<62.5	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<12.5	<12.5	<6.3
92541659	L3 18-20	N/A	05/29/2021	<3.5	<3.5	<3.5	<3.5	<135	<6.8	<135	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<27	<67.6	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	**7.4**	<6.8	<6.8	<13.5	<13.5	<6.8
92541681	L15 (42'-44')_20210531	N/A	05/31/2021	<2.7	<2.7	<2.7	<2.7	<112	<5.6	<112	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.

Table 2
Summary of Delineation Soil Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report	Sample ID	Well ID	Sample Date	MADEP VPH (mg/kg)				Volatile Organic Compounds (EPA 8260D) (µg/kg)																													
				Aliphatic (C05-C08)	Aliphatic (C09-C12)	Aromatic (C09-C10), Unadjusted	Total VPH	Acetone	Benzene	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Chlorobenzene	Chloroform	2-Chlorotoluene	4-Chlorotoluene	1,1-Dichloroethane	1,2-Dichloroethane	trans-1,3-Dichloropropene	Diisopropyl ether	Ethylbenzene	Isopropylbenzene (Cumene)	p-Isopropyltoluene	Methylene Chloride	4-Methyl-2-pentanone (MIBK)	Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylene (Total)	m&p-Xylene	o-Xylene
Soil-to-Water MSCCs				**68**	**540**	**31**	**NE**	**24,000**	**7.2**	**16,000**	**2,400**	**2,200**	**1,700**	**440**	**340**	**NE**	**280**	**30**	**1.9**	**300**	**320**	**8,000**	**1,300**	**120**	**23**	**420**	**85**	**200**	**1,400**	**900**	**4**	**5.0**	**5,400**	**6,600**	**6,600**	**6,000**	**NE**	**NE**
Residential MSCCs				**625**	**1,560**	**469**	**NE**	**14,000,000**	**12,000**	**9,380,000**	**782,000**	**1,560,000**	**1,560,000**	**312,000**	**21,000**	**NE**	**312,000**	**116,000**	**7,290**	**140,000**	**NE**	**60,300**	**1,560,000**	**1,560,000**	**93,800**	**1,250,000**	**156,000**	**5,500**	**1,560,000**	**3,120,000**	**25,200**	**93,800**	**1,250,000**	**156,000**	**156,000**	**3,120,000**	**NE**	**NE**
Industrial / Commercial MSCCs				**9,340**	**23,300**	**7,000**	**NE**	**210,000,000**	**59,400**	**140,000,000**	**11,600,000**	**23,300,000**	**23,300,000**	**4,670,000**	**105,000**	**NE**	**4,670,000**	**573,000**	**35,900**	**2,100,000**	**2,330,000**	**297,000**	**23,300,000**	**23,300,000**	**1,400,000**	**18,600,000**	**1,810,000**	**27,000**	**23,300,000**	**46,700,000**	**125,000**	**1,400,000**	**18,600,000**	**2,330,000**	**2,330,000**	**46,700,000**	**NE**	**NE**
92542647	Q11 (34-35')_20210604	N/A	06/04/2021	<3.9	<3.9	<3.9	<3.9	<133	<6.7	<133	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<26.6	<66.5	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	**6.5J**	<6.7	<6.7	<13.3	<13.3	<6.7
92542647	Q5 (18-20')_20210604	N/A	06/04/2021	<4.2	<4.2	<4.2	<4.2	<177	<8.8	<177	<8.8	<8.8	<8.8	<8.8	<8.8	<8.8	<8.8	<8.8	<8.8	<8.8	<8.8	<8.8	<8.8	<8.8	<35.4	<88.4	<8.8	<8.8	<8.8	<8.8	<8.8	<8.8	**13.6**	<8.8	<8.8	<17.7	<17.7	<8.8
92542469	R5 (18-20')_20210603	N/A	06/03/2021	<4.5	<4.5	<4.5	<4.5	<187	<9.4	<187	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<37.4	<93.6	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	**9.3J**	<9.4	<9.4	<18.7	<18.7	<9.4
92542469	R6 (16-18')_20210603	N/A	06/03/2021	<4.7	<4.7	<4.7	<4.7	<188	<9.4	<188	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<37.6	<93.9	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	**29.2**	<9.4	<9.4	**20.9**	**15.9J**	**5.0J**
92542469	R7 (18-20')_20210603	N/A	06/03/2021	<4	<4	<4	<4	<162	**105**	<162	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<32.5	<81.2	<8.1	**10.5**	<8.1	<8.1	<8.1	<8.1	**194**	**12.1**	**9.8**	**105**	**71.4**	**33.3**
92542647	R8 (18-20')_20210604	N/A	06/04/2021	<5.1	<5.1	<5.1	<5.1	<206	<10.3	<206	<10.3	<10.3	<10.3	<10.3	<10.3	<10.3	<10.3	<10.3	<10.3	<10.3	<10.3	<10.3	<10.3	<10.3	<41.2	<103	<10.3	<10.3	<10.3	<10.3	<10.3	<10.3	**11.7**	<10.3	<10.3	<20.6	<20.6	<10.3
92542469	R9 (32-33')_20210603	N/A	06/03/2021	<3.7	<3.7	<3.7	<3.7	<143	<7.2	<143	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<28.6	<71.5	<7.2	**5.4J**	<7.2	<7.2	<7.2	<7.2	**6.9J**	<7.2	<7.2	**7.9J**	**7.9J**	<7.2
92542647	R10 (24-26')_20210604	N/A	06/04/2021	<3.8	<3.8	<3.8	<3.8	<158	<7.9	<158	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<31.6	<79	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	**7.6J**	<7.9	<7.9	<15.8	<15.8	<7.9
92542647	R10 (28-30')_20210604	N/A	06/04/2021	<3.5	<3.5	<3.5	<3.5	<143	<7.2	<143	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<28.6	<71.6	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	**6.7J**	<7.2	<7.2	<14.3	<14.3	<7.2
92545117	S7 20-22_20210617	N/A	06/17/2021	**10.2**	<4.2	<4.2	**14.9**	<157	**193**	<157	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	**21.7**	**46.6**	<7.9	<7.9	<31.4	<78.6	<7.9	**78.2**	<7.9	<7.9	<7.9	<7.9	**534**	**54.6**	<7.9	**263**	**169**	**94.5**
92550329	T6 0-2_20210717	N/A	07/17/2021	<4.9	<4.9	<4.9	<4.9	<169	<8.5	<169	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	<33.8	<84.6	<8.5	<8.5	<8.5	<8.5	<8.5	<8.5	**6.3J**	<8.5	<8.5	<16.9	<16.9	<8.5
92550329	T6 22-24_20210717	N/A	07/17/2021	<3.8	<3.8	<3.8	<3.8	<155	<7.7	<155	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<31	<77.5	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	**5.8J**	<7.7	<7.7	<15.5	<15.5	<7.7
92550329	T8 0-2_20210717	N/A	07/17/2021	<3.1	<3.1	<3.1	<3.1	<120	<6	<120	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<24.1	<60.2	<6	<6	<6	<6	<6	<6	**3.2J**	<6	<6	<12	<12	<6
92550329	T8 4-6_20210717	N/A	07/17/2021	**4.0**	<3.6	<3.6	**4.2**	<145	<7.3	<145	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<29.1	<72.6	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	**4.0J**	<7.3	<7.3	<14.5	<14.5	<7.3
92550329	T8 32-34_20210717 *	N/A	07/17/2021	**135**	**36.9**	**16.4**	**188**	<325	**2,230**	<325	**279**	<16.2	<16.2	<16.2	<16.2	<16.2	<16.2	<16.2	<16.2	<16.2	**222**	**2,360**	**219**	**233**	<64.9	<162	**70.4**	**926**	**794**	**114**	<16.2	<16.2	**10,200**	**4,980**	**1,420**	**13,100**	**9,490**	**3,630**

Notes:

NA - Not Analyzed
NE - Not Established
All VPH analysis units reported in milligrams per kilogram (mg/kg); all VOC analysis units reported in micrograms per kilogram (ug/kg)
Only detected constituents are shown
MSCC - Maximum Soil Contaminant Concentrations
"<" - Indicates compound was not detected above laboratory reporting limit
"*" - Indicates sample was collected below water table and not used for delineation purposes
Volatile Organic Compounds analyzed by EPA Method 8260D
MADEP - Massachusetts Department of Environmental Protection; as required by North Carolina Department of Environmental Quality
VPH - Volatile Petroleum Hydrocarbon
Bold values indicate compound was detected above laboratory reporting limit
Shaded values indicate compound exceeded an MSCC
4-Chlorotoluene is a cosolvent in pesticides (https://pubchem.ncbi.nlm.nih.gov/compound/4-Chlorotoluene) and is not attributed to the release
Methylene Chloride is likely a laboratory artifact

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
Surficial Unit Monitoring Wells						
MW-01	709.60	9/1/2020	ND	25.05	0.00	684.55
MW-01	709.60	9/3/2020	ND	25.82	0.00	683.78
MW-01	709.60	9/5/2020	ND	25.94	0.00	683.66
MW-01	711.86	9/14/2020	ND	28.20	0.00	683.66
MW-01	711.86	9/18/2020	ND	28.20	0.00	683.66
MW-01	711.86	9/28/2020	ND	28.10	0.00	683.76
MW-01	711.86	10/3/2020	ND	28.09	0.00	683.77
MW-01	711.86	10/19/2020	ND	27.88	0.00	683.98
MW-01	711.86	10/26/2020	ND	27.74	0.00	684.12
MW-01	711.86	11/9/2020	ND	28.74	0.00	683.12
MW-01	711.86	11/18/2020	ND	27.49	0.00	684.37
MW-01	711.86	11/23/2020	ND	27.44	0.00	684.42
MW-01	711.86	12/7/2020	ND	27.12	0.00	684.74
MW-01	711.86	12/21/2020	ND	26.95	0.00	684.91
MW-01	711.86	12/26/2020	ND	26.94	0.00	684.92
MW-01	711.86	1/10/2021	ND	26.64	0.00	685.22
MW-01	711.86	1/19/2021	ND	26.55	0.00	685.31
MW-01	711.86	1/25/2021	ND	26.34	0.00	685.52
MW-01	711.86	2/1/2021	ND	26.23	0.00	685.63
MW-01	711.86	2/8/2021	ND	26.31	0.00	685.55
MW-01	711.86	2/16/2021	ND	25.99	0.00	685.87
MW-01	711.86	2/22/2021	ND	25.76	0.00	686.10
MW-01	711.86	3/4/2021	ND	25.52	0.00	686.34
MW-01	711.86	3/8/2021	ND	25.64	0.00	686.22
MW-01	711.86	3/15/2021	ND	25.49	0.00	686.37
MW-01	711.86	3/22/2021	ND	25.29	0.00	686.57
MW-01	711.86	4/1/2021	ND	25.00	0.00	686.86
MW-01	711.86	4/12/2021	ND	24.65	0.00	687.21
MW-01	711.86	4/19/2021	ND	24.67	0.00	687.19
MW-01	711.86	4/29/2021	ND	24.65	0.00	687.21
MW-01	711.86	5/3/2021	ND	24.63	0.00	687.23
MW-01	711.86	5/10/2021	ND	24.80	0.00	687.06
MW-01	711.86	5/18/2021	ND	25.02	0.00	686.84
MW-01	711.86	5/26/2021	ND	25.18	0.00	686.68
MW-01	711.86	5/31/2021	ND	25.44	0.00	686.42
MW-01	711.86	6/7/2021	ND	25.59	0.00	686.27
MW-01	711.86	6/14/2021	ND	25.70	0.00	686.16
MW-01	711.86	6/21/2021	ND	25.91	0.00	685.95
MW-01	711.86	7/1/2021	ND	26.15	0.00	685.71
MW-01	711.86	7/6/2021	ND	26.35	0.00	685.51
MW-01	711.86	7/14/2021	ND	26.52	0.00	685.34

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-01	711.86	7/28/2021	ND	28.82	0.00	683.04
MW-01	711.86	8/2/2021	ND	27.02	0.00	684.84
MW-01	711.86	8/16/2021	ND	27.46	0.00	684.40
MW-01	711.86	8/26/2021	ND	27.76	0.00	684.10
MW-01	711.86	8/30/2021	ND	27.95	0.00	683.91
MW-01	711.86	9/14/2021	ND	28.35	0.00	683.51
MW-01	711.86	9/23/2021	ND	28.74	0.00	683.12
MW-01	711.86	10/6/2021	ND	29.10	0.00	682.76
MW-01	711.86	10/12/2021	ND	29.32	0.00	682.54
MW-01	711.86	10/18/2021	ND	29.56	0.00	682.30
MW-02	710.96	9/1/2020	ND	26.65	0.00	684.31
MW-02	710.96	9/3/2020	ND	27.59	0.00	683.37
MW-02	710.96	9/5/2020	ND	28.00	0.00	682.96
MW-02	712.53	9/14/2020	ND	29.57	0.00	682.96
MW-02	712.53	9/18/2020	ND	29.56	0.00	682.97
MW-02	712.53	9/28/2020	ND	29.51	0.00	683.02
MW-02	712.53	10/3/2020	ND	30.60	0.00	681.93
MW-02	712.53	10/19/2020	ND	29.41	0.00	683.12
MW-02	712.53	10/26/2020	ND	29.30	0.00	683.23
MW-02	712.53	11/9/2020	ND	29.07	0.00	683.46
MW-02	712.53	11/18/2020	ND	29.05	0.00	683.48
MW-02	712.53	11/23/2020	ND	28.98	0.00	683.55
MW-02	712.53	12/7/2020	ND	28.59	0.00	683.94
MW-02	712.53	12/21/2020	ND	28.44	0.00	684.09
MW-02	712.53	12/26/2020	ND	28.74	0.00	683.79
MW-02	712.53	1/10/2021	ND	28.54	0.00	683.99
MW-02	712.53	1/19/2021	ND	28.39	0.00	684.14
MW-02	712.53	1/25/2021	ND	28.09	0.00	684.44
MW-02	712.53	2/1/2021	ND	27.74	0.00	684.79
MW-02	712.53	2/8/2021	ND	28.28	0.00	684.25
MW-02	712.53	2/16/2021	ND	27.65	0.00	684.88
MW-02	712.53	2/22/2021	ND	27.53	0.00	685.00
MW-02	712.53	3/4/2021	ND	27.52	0.00	685.01
MW-02	712.53	3/8/2021	ND	27.76	0.00	684.77
MW-02	712.53	3/15/2021	ND	27.58	0.00	684.95
MW-02	712.53	3/22/2021	ND	27.39	0.00	685.14
MW-02	712.53	4/1/2021	ND	27.16	0.00	685.37
MW-02	712.53	4/12/2021	ND	26.83	0.00	685.70
MW-02	712.53	4/19/2021	ND	27.76	0.00	684.77
MW-02	712.53	4/29/2021	ND	26.64	0.00	685.89
MW-02	712.53	5/3/2021	ND	26.63	0.00	685.90
MW-02	712.53	5/10/2021	ND	26.69	0.00	685.84

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-02	712.53	5/18/2021	ND	26.81	0.00	685.72
MW-02	712.53	5/26/2021	ND	26.80	0.00	685.73
MW-02	712.53	5/31/2021	ND	27.03	0.00	685.50
MW-02	712.53	6/7/2021	ND	26.99	0.00	685.54
MW-02	712.53	6/14/2021	ND	27.08	0.00	685.45
MW-02	712.53	6/21/2021	ND	27.19	0.00	685.34
MW-02	712.53	7/1/2021	ND	27.31	0.00	685.22
MW-02	712.53	7/6/2021	ND	27.51	0.00	685.02
MW-02	712.53	7/14/2021	ND	27.59	0.00	684.94
MW-02	712.53	7/28/2021	ND	27.77	0.00	684.76
MW-02	712.53	8/2/2021	ND	27.92	0.00	684.61
MW-02	712.53	8/16/2021	ND	28.19	0.00	684.34
MW-02	712.53	8/26/2021	ND	28.42	0.00	684.11
MW-02	712.53	8/30/2021	ND	28.43	0.00	684.10
MW-02	712.53	9/14/2021	ND	28.75	0.00	683.78
MW-02	712.53	9/23/2021	ND	29.03	0.00	683.50
MW-02	712.53	10/6/2021	ND	29.28	0.00	683.25
MW-02	712.53	10/12/2021	ND	29.43	0.00	683.10
MW-02	712.53	10/18/2021	ND	29.65	0.00	682.88
MW-03	703.64	9/1/2020	ND	19.93	0.00	683.71
MW-03	703.64	9/3/2020	ND	22.74	0.00	680.90
MW-03	703.64	9/5/2020	ND	22.84	0.00	680.80
MW-03	703.64	9/14/2020	ND	22.78	0.00	680.86
MW-03	703.64	9/18/2020	ND	22.80	0.00	680.84
MW-03	703.64	9/28/2020	ND	22.54	0.00	681.10
MW-03	703.64	10/3/2020	ND	22.57	0.00	681.07
MW-03	703.64	10/19/2020	ND	21.88	0.00	681.76
MW-03	703.64	10/26/2020	ND	21.70	0.00	681.94
MW-03	703.64	11/9/2020	ND	21.44	0.00	682.20
MW-03	703.64	11/18/2020	ND	20.87	0.00	682.77
MW-03	703.64	11/23/2020	ND	20.76	0.00	682.88
MW-03	703.64	12/7/2020	ND	20.39	0.00	683.25
MW-03	703.64	12/21/2020	ND	19.90	0.00	683.74
MW-03	703.64	12/26/2020	ND	19.71	0.00	683.93
MW-03	703.64	1/10/2021	ND	19.54	0.00	684.10
MW-03	703.64	1/19/2021	ND	19.47	0.00	684.17
MW-03	703.64	1/25/2021	ND	19.43	0.00	684.21
MW-03	703.64	2/1/2021	ND	18.56	0.00	685.08
MW-03	703.64	2/8/2021	ND	18.69	0.00	684.95
MW-03	703.64	2/16/2021	ND	17.45	0.00	686.19
MW-03	703.64	2/22/2021	ND	16.89	0.00	686.75
MW-03	703.64	3/4/2021	ND	17.16	0.00	686.48

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-03	703.64	3/8/2021	ND	17.67	0.00	685.97
MW-03	703.64	3/15/2021	ND	17.90	0.00	685.74
MW-03	703.64	3/22/2021	ND	16.79	0.00	686.85
MW-03	703.64	4/1/2021	ND	15.92	0.00	687.72
MW-03	703.64	4/12/2021	ND	16.90	0.00	686.74
MW-03	703.64	4/19/2021	ND	17.42	0.00	686.22
MW-03	703.64	4/29/2021	ND	18.12	0.00	685.52
MW-03	703.64	5/3/2021	ND	18.29	0.00	685.35
MW-03	703.64	5/10/2021	ND	18.80	0.00	684.84
MW-03	703.64	5/18/2021	ND	19.20	0.00	684.44
MW-03	703.64	5/26/2021	ND	19.40	0.00	684.24
MW-03	703.64	5/31/2021	ND	19.82	0.00	683.82
MW-03	703.64	6/7/2021	ND	20.08	0.00	683.56
MW-03	703.64	6/14/2021	ND	20.27	0.00	683.37
MW-03	703.64	6/21/2021	ND	20.58	0.00	683.06
MW-03	703.64	7/1/2021	ND	20.83	0.00	682.81
MW-03	703.64	7/6/2021	ND	21.10	0.00	682.54
MW-03	703.64	7/14/2021	ND	21.27	0.00	682.37
MW-03	703.64	7/28/2021	ND	21.79	0.00	681.85
MW-03	703.64	8/2/2021	ND	22.21	0.00	681.43
MW-03	703.64	8/16/2021	ND	22.80	0.00	680.84
MW-03	703.64	8/26/2021	ND	23.15	0.00	680.49
MW-03	703.64	8/30/2021	ND	23.58	0.00	680.06
MW-03	703.64	9/14/2021	ND	24.37	0.00	679.27
MW-03	703.64	9/23/2021	ND	24.64	0.00	679.00
MW-03	703.64	10/6/2021	ND	25.45	0.00	678.19
MW-03	703.64	10/12/2021	ND	25.81	0.00	677.83
MW-03	703.64	10/18/2021	ND	26.12	0.00	677.52
MW-04	712.05	9/1/2020	ND	28.30	0.00	683.75
MW-04	712.05	9/3/2020	ND	28.19	0.00	683.86
MW-04	712.05	9/5/2020	ND	28.32	0.00	683.73
MW-04	715.04	9/14/2020	ND	31.32	0.00	683.72
MW-04	715.04	9/18/2020	ND	31.31	0.00	683.73
MW-04	715.04	9/28/2020	ND	31.23	0.00	683.81
MW-04	715.04	10/3/2020	ND	31.26	0.00	683.78
MW-04	715.04	10/19/2020	ND	30.93	0.00	684.11
MW-04	715.04	10/26/2020	ND	30.78	0.00	684.26
MW-04	715.04	11/9/2020	ND	30.50	0.00	684.54
MW-04	715.04	11/18/2020	ND	30.44	0.00	684.60
MW-04	715.04	11/23/2020	ND	30.32	0.00	684.72
MW-04	715.04	12/7/2020	ND	29.97	0.00	685.07
MW-04	715.04	12/21/2020	ND	29.78	0.00	685.26

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-04	715.04	12/26/2020	ND	30.04	0.00	685.00
MW-04	715.04	1/10/2021	ND	29.86	0.00	685.18
MW-04	715.04	1/19/2021	ND	29.76	0.00	685.28
MW-04	715.04	1/25/2021	ND	23.46	0.00	691.58
MW-04	715.04	2/1/2021	ND	29.16	0.00	685.88
MW-04	715.04	2/8/2021	ND	29.61	0.00	685.43
MW-04	715.04	2/16/2021	ND	29.05	0.00	685.99
MW-04	715.04	2/22/2021	ND	28.90	0.00	686.14
MW-04	715.04	3/4/2021	ND	28.87	0.00	686.17
MW-04	715.04	3/8/2021	ND	29.13	0.00	685.91
MW-04	715.04	3/15/2021	ND	28.98	0.00	686.06
MW-04	715.04	3/22/2021	ND	28.76	0.00	686.28
MW-04	715.04	4/1/2021	ND	28.54	0.00	686.50
MW-04	715.04	4/12/2021	ND	28.19	0.00	686.85
MW-04	715.04	4/19/2021	ND	28.23	0.00	686.81
MW-04	715.04	4/29/2021	ND	28.26	0.00	686.78
MW-04	715.04	5/3/2021	ND	28.27	0.00	686.77
MW-04	715.04	5/10/2021	ND	28.39	0.00	686.65
MW-04	715.04	5/18/2021	ND	28.54	0.00	686.50
MW-04	715.04	5/26/2021	ND	28.56	0.00	686.48
MW-04	715.04	5/31/2021	ND	28.78	0.00	686.26
MW-04	715.04	6/7/2021	ND	28.77	0.00	686.27
MW-04	715.04	6/14/2021	ND	28.86	0.00	686.18
MW-04	715.04	6/21/2021	ND	29.01	0.00	686.03
MW-04	715.04	7/1/2021	ND	29.13	0.00	685.91
MW-04	715.04	7/6/2021	ND	29.32	0.00	685.72
MW-04	715.04	7/14/2021	ND	29.41	0.00	685.63
MW-04	715.04	7/28/2021	ND	29.61	0.00	685.43
MW-04	715.04	8/2/2021	ND	29.76	0.00	685.28
MW-04	715.04	8/16/2021	ND	30.05	0.00	684.99
MW-04	715.04	8/26/2021	ND	30.29	0.00	684.75
MW-04	715.04	8/30/2021	ND	30.28	0.00	684.76
MW-04	715.04	9/14/2021	ND	30.64	0.00	684.40
MW-04	715.04	9/23/2021	ND	30.90	0.00	684.14
MW-04	715.04	10/6/2021	ND	31.20	0.00	683.84
MW-04	715.04	10/12/2021	ND	31.35	0.00	683.69
MW-04	715.04	10/18/2021	ND	31.57	0.00	683.47
MW-05	705.61	9/1/2020	ND	24.19	0.00	681.42
MW-05	705.61	9/3/2020	ND	25.22	0.00	680.39
MW-05	705.61	9/5/2020	ND	26.38	0.00	679.23
MW-05	705.61	9/6/2020	ND	27.38	0.00	678.23
MW-05	707.30	9/14/2020	ND	27.04	0.00	680.26

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-05	707.30	9/18/2020	ND	27.03	0.00	680.27
MW-05	707.30	9/28/2020	ND	26.87	0.00	680.43
MW-05	707.30	10/3/2020	ND	26.88	0.00	680.42
MW-05	707.30	10/19/2020	ND	26.49	0.00	680.81
MW-05	707.30	10/26/2020	ND	26.34	0.00	680.96
MW-05	707.30	10/28/2020	ND	28.34	0.00	678.96
MW-05	707.30	11/9/2020	ND	26.06	0.00	681.24
MW-05	707.30	11/18/2020	ND	25.93	0.00	681.37
MW-05	707.30	11/23/2020	ND	25.80	0.00	681.50
MW-05	707.30	12/7/2020	ND	25.39	0.00	681.91
MW-05	707.30	12/21/2020	ND	25.14	0.00	682.16
MW-05	707.30	12/26/2020	ND	25.17	0.00	682.13
MW-05	707.30	1/10/2021	ND	24.89	0.00	682.41
MW-05	707.30	1/19/2021	ND	24.72	0.00	682.58
MW-05	707.30	1/25/2021	ND	24.43	0.00	682.87
MW-05	707.30	2/1/2021	ND	24.25	0.00	683.05
MW-05	707.30	2/8/2021	ND	24.49	0.00	682.81
MW-05	707.30	2/16/2021	ND	23.96	0.00	683.34
MW-05	707.30	2/22/2021	ND	23.66	0.00	683.64
MW-05	707.30	3/4/2021	ND	23.41	0.00	683.89
MW-05	707.30	3/8/2021	ND	23.64	0.00	683.66
MW-05	707.30	3/15/2021	ND	23.46	0.00	683.84
MW-05	707.30	3/22/2021	ND	23.19	0.00	684.11
MW-05	707.30	4/1/2021	ND	22.79	0.00	684.51
MW-05	707.30	4/12/2021	ND	22.41	0.00	684.89
MW-05	707.30	4/19/2021	ND	22.45	0.00	684.85
MW-05	707.30	4/29/2021	ND	22.53	0.00	684.77
MW-05	707.30	5/3/2021	ND	22.55	0.00	684.75
MW-05	707.30	5/10/2021	ND	22.83	0.00	684.47
MW-05	707.30	5/18/2021	ND	23.13	0.00	684.17
MW-05	707.30	5/26/2021	ND	23.32	0.00	683.98
MW-05	707.30	5/31/2021	ND	23.68	0.00	683.62
MW-05	707.30	6/7/2021	ND	23.83	0.00	683.47
MW-05	707.30	6/14/2021	ND	23.98	0.00	683.32
MW-05	707.30	6/21/2021	ND	24.20	0.00	683.10
MW-05	707.30	7/1/2021	ND	24.45	0.00	682.85
MW-05	707.30	7/6/2021	ND	24.71	0.00	682.59
MW-05	707.30	7/14/2021	ND	24.87	0.00	682.43
MW-05	707.30	7/28/2021	ND	25.16	0.00	682.14
MW-05	707.30	8/2/2021	ND	25.36	0.00	681.94
MW-05	707.30	8/16/2021	ND	25.79	0.00	681.51
MW-05	707.30	8/26/2021	ND	26.11	0.00	681.19

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-05	707.30	8/30/2021	ND	26.15	0.00	681.15
MW-05	707.30	9/14/2021	ND	26.65	0.00	680.65
MW-05	707.30	9/23/2021	ND	27.07	0.00	680.23
MW-05	707.30	10/6/2021	ND	27.45	0.00	679.85
MW-05	707.30	10/12/2021	ND	27.67	0.00	679.63
MW-05	707.30	10/18/2021	ND	27.93	0.00	679.37
MW-06	703.81	9/1/2020	ND	20.70	0.00	683.11
MW-06	703.81	9/3/2020	ND	20.92	0.00	682.89
MW-06	706.34	9/14/2020	ND	23.56	0.00	682.78
MW-06	706.34	9/18/2020	ND	23.65	0.00	682.69
MW-06	706.34	9/28/2020	ND	23.47	0.00	682.87
MW-06	706.34	10/3/2020	ND	23.51	0.00	682.83
MW-06	706.34	10/19/2020	ND	23.23	0.00	683.11
MW-06	706.34	10/26/2020	ND	23.12	0.00	683.22
MW-06	706.34	11/9/2020	ND	22.91	0.00	683.43
MW-06	706.34	11/18/2020	Dry	Dry	Dry	Dry
MW-06	706.34	11/23/2020	ND	22.79	0.00	683.55
MW-06	706.34	12/7/2020	ND	22.36	0.00	683.98
MW-06	706.34	12/21/2020	ND	22.18	0.00	684.16
MW-06	706.34	12/26/2020	ND	22.34	0.00	684.00
MW-06	706.34	1/10/2021	ND	22.15	0.00	684.19
MW-06	706.34	1/19/2021	ND	21.98	0.00	684.36
MW-06	706.34	1/25/2021	ND	21.68	0.00	684.66
MW-06	706.34	2/1/2021	ND	21.36	0.00	684.98
MW-06	706.34	2/8/2021	ND	21.83	0.00	684.51
MW-06	706.34	2/16/2021	ND	21.24	0.00	685.10
MW-06	706.34	2/22/2021	ND	20.99	0.00	685.35
MW-06	706.34	3/4/2021	ND	20.91	0.00	685.43
MW-06	706.34	3/8/2021	ND	21.11	0.00	685.23
MW-06	706.34	3/15/2021	ND	20.93	0.00	685.41
MW-06	706.34	3/22/2021	ND	20.67	0.00	685.67
MW-06	706.34	4/1/2021	ND	20.42	0.00	685.92
MW-06	706.34	4/12/2021	ND	20.07	0.00	686.27
MW-06	706.34	4/19/2021	ND	20.03	0.00	686.31
MW-06	706.34	4/29/2021	ND	19.95	0.00	686.39
MW-06	706.34	5/3/2021	ND	19.91	0.00	686.43
MW-06	706.34	5/10/2021	ND	20.06	0.00	686.28
MW-06	706.34	5/18/2021	ND	20.29	0.00	686.05
MW-06	706.34	5/26/2021	ND	20.39	0.00	685.95
MW-06	706.34	5/31/2021	ND	20.67	0.00	685.67
MW-06	706.34	6/7/2021	ND	20.77	0.00	685.57
MW-06	706.34	6/14/2021	ND	20.90	0.00	685.44

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-06	706.34	6/21/2021	ND	21.08	0.00	685.26
MW-06	706.34	7/1/2021	ND	21.29	0.00	685.05
MW-06	706.34	7/6/2021	ND	21.52	0.00	684.82
MW-06	706.34	7/14/2021	ND	21.66	0.00	684.68
MW-06	706.34	7/28/2021	ND	21.93	0.00	684.41
MW-06	706.34	8/2/2021	ND	22.13	0.00	684.21
MW-06	706.34	8/16/2021	ND	22.51	0.00	683.83
MW-06	706.34	8/26/2021	ND	22.80	0.00	683.54
MW-06	706.34	8/30/2021	ND	22.84	0.00	683.50
MW-06	706.34	9/14/2021	ND	23.31	0.00	683.03
MW-06	706.34	9/23/2021	ND	23.66	0.00	682.68
MW-06	706.34	10/6/2021	ND	24.03	0.00	682.31
MW-06	706.34	10/12/2021	ND	24.23	0.00	682.11
MW-06	706.34	10/18/2021	ND	24.47	0.00	681.87
MW-07	709.46	9/1/2020	ND	26.67	0.00	682.79
MW-07	709.46	9/3/2020	ND	26.53	0.00	682.93
MW-07	709.46	9/5/2020	ND	25.60	0.00	683.86
MW-07	712.36	9/14/2020	ND	29.36	0.00	683.00
MW-07	712.36	9/18/2020	ND	29.31	0.00	683.05
MW-07	712.36	9/28/2020	ND	29.24	0.00	683.12
MW-07	712.36	10/3/2020	ND	29.32	0.00	683.04
MW-07	712.36	10/5/2020	ND	31.32	0.00	681.04
MW-07	712.36	10/19/2020	ND	29.28	0.00	683.08
MW-07	712.36	10/26/2020	ND	29.26	0.00	683.10
MW-07	712.36	11/9/2020	ND	29.19	0.00	683.17
MW-07	712.36	11/18/2020	ND	29.20	0.00	683.16
MW-07	712.36	11/23/2020	ND	29.16	0.00	683.20
MW-07	712.36	12/7/2020	ND	29.98	0.00	682.38
MW-07	712.36	12/21/2020	ND	29.04	0.00	683.32
MW-07	712.36	12/26/2020	ND	29.02	0.00	683.34
MW-07	712.36	1/10/2021	ND	29.07	0.00	683.29
MW-07	712.36	1/19/2021	ND	29.62	0.00	682.74
MW-07	712.36	1/25/2021	ND	29.91	0.00	682.45
MW-07	712.36	2/1/2021	ND	30.05	0.00	682.31
MW-07	712.36	2/8/2021	ND	30.19	0.00	682.17
MW-07	712.36	2/16/2021	ND	29.86	0.00	682.50
MW-07	712.36	2/22/2021	ND	29.46	0.00	682.90
MW-07	712.36	3/4/2021	ND	29.23	0.00	683.13
MW-07	712.36	3/8/2021	ND	29.37	0.00	682.99
MW-07	712.36	3/15/2021	ND	29.39	0.00	682.97
MW-07	712.36	3/22/2021	ND	29.43	0.00	682.93
MW-07	712.36	4/1/2021	ND	29.16	0.00	683.20

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-07	712.36	4/12/2021	ND	29.29	0.00	683.07
MW-07	712.36	4/19/2021	ND	29.58	0.00	682.78
MW-07	712.36	4/29/2021	ND	29.75	0.00	682.61
MW-07	712.36	5/3/2021	ND	29.71	0.00	682.65
MW-07	712.36	5/10/2021	ND	29.94	0.00	682.42
MW-07	712.36	5/18/2021	ND	29.89	0.00	682.47
MW-07	712.36	5/26/2021	ND	30.06	0.00	682.30
MW-07	712.36	5/31/2021	ND	30.23	0.00	682.13
MW-07	712.36	6/7/2021	ND	30.47	0.00	681.89
MW-07	712.36	6/14/2021	ND	30.57	0.00	681.79
MW-07	712.36	6/21/2021	ND	30.72	0.00	681.64
MW-07	712.36	7/1/2021	ND	30.92	0.00	681.44
MW-07	712.36	7/6/2021	ND	31.05	0.00	681.31
MW-07	712.36	7/14/2021	ND	31.09	0.00	681.27
MW-07	712.36	7/28/2021	ND	31.63	0.00	680.73
MW-07	712.36	8/2/2021	ND	31.90	0.00	680.46
MW-07	712.36	8/16/2021	ND	32.49	0.00	679.87
MW-07	712.36	8/26/2021	ND	33.08	0.00	679.28
MW-07	712.36	8/30/2021	ND	33.41	0.00	678.95
MW-07	712.36	9/14/2021	ND	34.14	0.00	678.22
MW-07	712.36	9/23/2021	ND	34.56	0.00	677.80
MW-07	712.36	10/6/2021	ND	35.46	0.00	676.90
MW-07	712.36	10/12/2021	ND	35.82	0.00	676.54
MW-07	712.36	10/18/2021	ND	36.10	0.00	676.26
MW-08	724.93	9/1/2020	ND	31.50	0.00	693.43
MW-08	724.93	9/3/2020	ND	31.64	0.00	693.29
MW-08	724.93	9/14/2020	ND	31.77	0.00	693.16
MW-08	724.93	9/18/2020	ND	21.78	0.00	703.15
MW-08	724.93	9/28/2020	ND	31.83	0.00	693.10
MW-08	724.93	10/3/2020	ND	31.95	0.00	692.98
MW-08	724.93	10/19/2020	ND	31.87	0.00	693.06
MW-08	724.93	10/26/2020	ND	31.79	0.00	693.14
MW-08	724.93	11/9/2020	ND	31.73	0.00	693.20
MW-08	724.93	11/18/2020	ND	31.69	0.00	693.24
MW-08	724.93	11/23/2020	ND	31.49	0.00	693.44
MW-08	724.93	12/7/2020	ND	37.31	0.00	687.62
MW-08	724.93	12/21/2020	ND	31.25	0.00	693.68
MW-08	724.93	12/26/2020	ND	31.28	0.00	693.65
MW-08	724.93	1/10/2021	ND	31.06	0.00	693.87
MW-08	724.93	1/19/2021	ND	30.97	0.00	693.96
MW-08	724.93	1/25/2021	ND	30.75	0.00	694.18
MW-08	724.93	2/1/2021	ND	30.76	0.00	694.17

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-08	724.93	2/8/2021	ND	30.83	0.00	694.10
MW-08	724.93	2/16/2021	ND	30.64	0.00	694.29
MW-08	724.93	2/22/2021	ND	30.33	0.00	694.60
MW-08	724.93	3/4/2021	ND	30.08	0.00	694.85
MW-08	724.93	3/8/2021	ND	30.12	0.00	694.81
MW-08	724.93	3/15/2021	ND	30.03	0.00	694.90
MW-08	724.93	3/22/2021	ND	29.93	0.00	695.00
MW-08	724.93	4/1/2021	ND	29.62	0.00	695.31
MW-08	724.93	4/12/2021	ND	29.30	0.00	695.63
MW-08	724.93	4/19/2021	ND	29.25	0.00	695.68
MW-08	724.93	4/29/2021	ND	29.31	0.00	695.62
MW-08	724.93	5/3/2021	ND	29.31	0.00	695.62
MW-08	724.93	5/10/2021	ND	29.46	0.00	695.47
MW-08	724.93	5/18/2021	ND	29.73	0.00	695.20
MW-08	724.93	5/26/2021	ND	29.87	0.00	695.06
MW-08	724.93	5/31/2021	ND	30.08	0.00	694.85
MW-08	724.93	6/7/2021	ND	30.17	0.00	694.76
MW-08	724.93	6/14/2021	ND	30.41	0.00	694.52
MW-08	724.93	6/21/2021	ND	30.58	0.00	694.35
MW-08	724.93	7/1/2021	ND	29.35	0.00	695.58
MW-08	724.93	7/6/2021	ND	30.99	0.00	693.94
MW-08	724.93	7/14/2021	ND	31.22	0.00	693.71
MW-08	724.93	7/28/2021	ND	31.39	0.00	693.54
MW-08	724.93	8/2/2021	ND	31.63	0.00	693.30
MW-08	724.93	8/16/2021	ND	31.89	0.00	693.04
MW-08	724.93	8/26/2021	ND	31.82	0.00	693.11
MW-08	724.93	8/30/2021	ND	32.16	0.00	692.77
MW-08	724.93	9/14/2021	ND	32.51	0.00	692.42
MW-08	724.93	9/23/2021	ND	32.77	0.00	692.16
MW-08	724.93	10/6/2021	ND	33.01	0.00	691.92
MW-08	724.93	10/12/2021	ND	33.19	0.00	691.74
MW-08	724.93	10/18/2021	ND	33.37	0.00	691.56
MW-09	709.46	9/1/2020	ND	26.02	0.00	683.44
MW-09	709.46	9/3/2020	ND	26.64	0.00	682.82
MW-09	717.15	9/14/2020	ND	28.82	0.00	688.33
MW-09	717.15	9/18/2020	ND	28.84	0.00	688.31
MW-09	717.15	9/28/2020	ND	28.84	0.00	688.31
MW-09	717.15	10/3/2020	ND	28.93	0.00	688.22
MW-09	717.15	10/19/2020	ND	28.96	0.00	688.19
MW-09	717.15	10/26/2020	ND	28.93	0.00	688.22
MW-09	717.15	11/9/2020	ND	28.84	0.00	688.31
MW-09	717.15	11/18/2020	ND	28.87	0.00	688.28

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
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Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-09	717.15	11/23/2020	ND	29.82	0.00	687.33
MW-09	717.15	12/7/2020	ND	28.62	0.00	688.53
MW-09	717.15	12/21/2020	ND	28.62	0.00	688.53
MW-09	717.15	12/26/2020	ND	28.62	0.00	688.53
MW-09	717.15	1/10/2021	ND	28.54	0.00	688.61
MW-09	717.15	1/19/2021	ND	28.55	0.00	688.60
MW-09	717.15	1/25/2021	ND	28.46	0.00	688.69
MW-09	717.15	2/1/2021	ND	28.44	0.00	688.71
MW-09	717.15	2/8/2021	ND	28.64	0.00	688.51
MW-09	717.15	2/16/2021	ND	28.40	0.00	688.75
MW-09	717.15	2/22/2021	ND	28.28	0.00	688.87
MW-09	717.15	3/4/2021	ND	28.12	0.00	689.03
MW-09	717.15	3/8/2021	ND	28.20	0.00	688.95
MW-09	717.15	3/15/2021	ND	28.07	0.00	689.08
MW-09	717.15	3/22/2021	ND	27.97	0.00	689.18
MW-09	717.15	4/1/2021	ND	27.84	0.00	689.31
MW-09	717.15	4/12/2021	ND	27.56	0.00	689.59
MW-09	717.15	4/19/2021	ND	27.53	0.00	689.62
MW-09	717.15	4/29/2021	ND	27.49	0.00	689.66
MW-09	717.15	5/3/2021	ND	27.42	0.00	689.73
MW-09	717.15	5/10/2021	ND	27.56	0.00	689.59
MW-09	717.15	5/18/2021	ND	27.62	0.00	689.53
MW-09	717.15	5/26/2021	ND	27.69	0.00	689.46
MW-09	717.15	5/31/2021	ND	27.87	0.00	689.28
MW-09	717.15	6/7/2021	ND	27.98	0.00	689.17
MW-09	717.15	6/14/2021	ND	28.06	0.00	689.09
MW-09	717.15	6/21/2021	ND	28.23	0.00	688.92
MW-09	717.15	7/1/2021	ND	28.41	0.00	688.74
MW-09	717.15	7/6/2021	ND	28.62	0.00	688.53
MW-09	717.15	7/14/2021	ND	28.78	0.00	688.37
MW-09	717.15	7/28/2021	ND	29.23	0.00	687.92
MW-09	717.15	8/2/2021	ND	29.50	0.00	687.65
MW-09	717.15	8/16/2021	ND	29.91	0.00	687.24
MW-09	717.15	8/26/2021	ND	30.19	0.00	686.96
MW-09	717.15	8/30/2021	ND	30.30	0.00	686.85
MW-09	717.15	9/14/2021	ND	30.81	0.00	686.34
MW-09	717.15	9/23/2021	ND	31.10	0.00	686.05
MW-09	717.15	10/6/2021	ND	31.53	0.00	685.62
MW-09	717.15	10/12/2021	ND	31.76	0.00	685.39
MW-09	717.15	10/18/2021	ND	31.92	0.00	685.23
MW-10	721.52	9/1/2020	Dry	Dry	Dry	Dry
MW-10	721.52	9/3/2020	Dry	Dry	Dry	Dry

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-10	721.52	9/5/2020	Dry	Dry	Dry	Dry
MW-10	722.91	9/14/2020	Dry	Dry	Dry	Dry
MW-10	722.91	9/18/2020	Dry	Dry	Dry	Dry
MW-10	722.91	9/28/2020	Dry	Dry	Dry	Dry
MW-10	722.91	10/3/2020	Dry	Dry	Dry	Dry
MW-10	722.91	10/4/2020	Dry	Dry	Dry	Dry
MW-10	722.91	10/5/2020	Dry	Dry	Dry	Dry
MW-10	722.91	10/26/2020	Dry	Dry	Dry	Dry
MW-10	722.91	11/9/2020	Dry	Dry	Dry	Dry
MW-10	722.91	11/18/2020	Dry	Dry	Dry	Dry
MW-10	722.91	11/23/2020	Dry	Dry	Dry	Dry
MW-10	722.91	12/7/2020	Dry	Dry	Dry	Dry
MW-10	722.91	12/21/2020	Dry	Dry	Dry	Dry
MW-10	722.91	12/26/2020	Dry	Dry	Dry	Dry
MW-10	722.91	1/10/2021	Dry	Dry	Dry	Dry
MW-10	722.91	1/19/2021	Dry	Dry	Dry	Dry
MW-10	722.91	1/25/2021	Dry	Dry	Dry	Dry
MW-10	722.91	2/1/2021	Dry	Dry	Dry	Dry
MW-10	722.91	2/8/2021	Dry	Dry	Dry	Dry
MW-10	722.91	2/16/2021	Dry	Dry	Dry	Dry
MW-10	722.91	2/22/2021	Dry	Dry	Dry	Dry
MW-10	722.91	3/4/2021	Dry	Dry	Dry	Dry
MW-10	722.91	3/8/2021	Dry	Dry	Dry	Dry
MW-10	722.91	3/15/2021	Dry	Dry	Dry	Dry
MW-10	722.91	3/22/2021	Dry	Dry	Dry	Dry
MW-10	722.91	4/1/2021	Dry	Dry	Dry	Dry
MW-10	722.91	4/12/2021	Dry	Dry	Dry	Dry
MW-10	722.91	4/19/2021	Dry	Dry	Dry	Dry
MW-10	722.91	4/29/2021	Dry	Dry	Dry	Dry
MW-10	722.91	5/3/2021	Dry	Dry	Dry	Dry
MW-10	722.91	5/10/2021	Dry	Dry	Dry	Dry
MW-10	722.91	5/18/2021	Dry	Dry	Dry	Dry
MW-10	722.91	5/26/2021	Dry	Dry	Dry	Dry
MW-10	722.91	5/31/2021	Dry	Dry	Dry	Dry
MW-10	722.91	6/7/2021	Dry	Dry	Dry	Dry
MW-10	722.91	6/14/2021	Dry	Dry	Dry	Dry
MW-10	722.91	6/21/2021	Dry	Dry	Dry	Dry
MW-10	722.91	7/1/2021	Dry	Dry	Dry	Dry
MW-10	722.91	7/6/2021	Dry	Dry	Dry	Dry
MW-10	722.91	7/14/2021	Dry	Dry	Dry	Dry
MW-10	722.91	7/28/2021	Dry	Dry	Dry	Dry
MW-10	722.91	8/2/2021	Dry	Dry	Dry	Dry

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-10	722.91	8/16/2021	Dry	Dry	Dry	Dry
MW-10	722.91	8/26/2021	Dry	Dry	Dry	Dry
MW-10	722.91	8/30/2021	Dry	Dry	Dry	Dry
MW-10	722.91	9/14/2021	Dry	Dry	Dry	Dry
MW-10	722.91	9/23/2021	Dry	Dry	Dry	Dry
MW-10	722.91	10/6/2021	Dry	Dry	Dry	Dry
MW-10	722.91	10/12/2021	Dry	Dry	Dry	Dry
MW-10	722.91	10/18/2021	Dry	Dry	Dry	Dry
MW-11	739.65	9/1/2020	ND	40.90	0.00	698.75
MW-11	739.65	9/3/2020	ND	43.20	0.00	696.45
MW-11	739.65	9/14/2020	ND	45.24	0.00	694.41
MW-11	739.65	9/18/2020	ND	42.00	0.00	697.65
MW-11	739.65	9/28/2020	ND	42.03	0.00	697.62
MW-11	739.65	10/3/2020	ND	42.14	0.00	697.51
MW-11	739.65	10/19/2020	ND	42.24	0.00	697.41
MW-11	739.65	10/26/2020	ND	42.30	0.00	697.35
MW-11	739.65	11/9/2020	42.40	42.41	0.01	697.24
MW-11	739.65	11/18/2020	42.53	42.55	0.02	697.11
MW-11	739.65	11/24/2020	NM	NM	NM	NM
MW-11	739.65	12/7/2020	42.31	42.65	0.34	697.25
MW-11	739.65	12/21/2020	42.06	43.90	1.84	697.09
MW-11	739.65	12/26/2020	41.96	44.51	2.55	697.00
MW-11	739.65	1/10/2021	41.60	41.85	0.25	697.98
MW-11	739.65	1/19/2021	41.40	47.00	5.60	696.75
MW-11	739.65	1/25/2021	41.45	47.72	6.27	696.52
MW-11	739.65	2/1/2021	41.56	47.60	6.04	696.47
MW-11	739.65	2/8/2021	41.66	48.09	6.43	696.27
MW-11	739.65	2/16/2021	41.48	47.57	6.09	696.54
MW-11	739.65	2/22/2021	41.52	47.43	5.91	696.55
MW-11	739.65	3/4/2021	41.51	47.26	5.75	696.60
MW-11	739.65	3/8/2021	41.87	47.66	5.79	696.23
MW-11	739.65	3/11/2021	41.95	47.65	5.70	696.17
MW-11	739.65	3/15/2021	42.09	47.84	5.75	696.02
MW-11	739.65	3/22/2021	42.18	47.68	5.50	696.00
MW-11	735.80	4/1/2021	ND	42.25	0.00	693.55
MW-11	735.80	4/12/2021	ARP	ARP	ARP	ARP
MW-11	735.80	4/19/2021	ARP	ARP	ARP	ARP
MW-11	735.80	4/29/2021	41.97	43.21	1.24	693.50
MW-11	735.80	5/3/2021	ARP	ARP	ARP	ARP
MW-11	735.80	5/10/2021	ARP	ARP	ARP	ARP
MW-11	735.80	5/18/2021	ARP	ARP	ARP	ARP
MW-11	735.80	5/26/2021	42.72	43.62	0.90	692.84

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
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Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-11	735.80	5/31/2021	ARP	ARP	ARP	ARP
MW-11	735.80	6/7/2021	ARP	ARP	ARP	ARP
MW-11	735.80	6/14/2021	ARP	ARP	ARP	ARP
MW-11	735.80	6/21/2021	ARP	ARP	ARP	ARP
MW-11	735.80	7/1/2021	43.54	44.26	0.72	692.07
MW-11	735.80	7/6/2021	ARP	ARP	ARP	ARP
MW-11	735.80	7/14/2021	44.52	44.55	0.03	691.27
MW-11	735.80	7/28/2021	44.18	44.44	0.26	691.55
MW-11	735.80	8/16/2021	ARP	ARP	ARP	ARP
MW-11	735.80	8/26/2021	44.76	44.97	0.21	690.98
MW-11	735.80	8/30/2021	ARP	ARP	ARP	ARP
MW-11	735.80	9/16/2021	45.26	45.50	0.24	690.48
MW-11	735.80	9/23/2021	44.30	45.83	1.53	691.09
MW-11	735.80	10/6/2021	ARP	ARP	ARP	ARP
MW-11	735.80	10/12/2021	ARP	ARP	ARP	ARP
MW-11	735.80	10/18/2021	ARP	ARP	ARP	ARP
MW-12	718.27	9/1/2020	ND	30.95	0.00	687.32
MW-12	718.27	9/3/2020	ND	32.18	0.00	686.09
MW-12	718.27	9/5/2020	ND	32.27	0.00	686.00
MW-12	718.27	9/14/2020	ND	33.77	0.00	684.50
MW-12	718.27	9/18/2020	ND	33.78	0.00	684.49
MW-12	718.27	9/28/2020	ND	33.71	0.00	684.56
MW-12	718.27	10/3/2020	ND	33.78	0.00	684.49
MW-12	718.27	10/19/2020	ND	33.63	0.00	684.64
MW-12	718.27	10/26/2020	ND	33.58	0.00	684.69
MW-12	718.27	11/9/2020	ND	33.36	0.00	684.91
MW-12	718.27	11/18/2020	ND	33.36	0.00	684.91
MW-12	718.27	11/23/2020	ND	33.30	0.00	684.97
MW-12	718.27	12/7/2020	ND	32.98	0.00	685.29
MW-12	718.27	12/21/2020	ND	37.82	0.00	680.45
MW-12	718.27	12/26/2020	ND	33.11	0.00	685.16
MW-12	718.27	1/10/2021	ND	32.83	0.00	685.44
MW-12	718.27	1/19/2021	ND	32.82	0.00	685.45
MW-12	718.27	1/25/2021	ND	32.54	0.00	685.73
MW-12	718.27	2/1/2021	ND	32.30	0.00	685.97
MW-12	718.27	2/8/2021	ND	32.73	0.00	685.54
MW-12	718.27	2/16/2021	ND	32.21	0.00	686.06
MW-12	718.27	2/22/2021	ND	32.05	0.00	686.22
MW-12	718.27	3/4/2021	ND	32.07	0.00	686.20
MW-12	718.27	3/8/2021	ND	32.32	0.00	685.95
MW-12	718.27	3/15/2021	ND	32.16	0.00	686.11
MW-12	718.27	3/22/2021	ND	31.98	0.00	686.29

Table 3
Summary of Monitoring Well Gauging Data

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Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-12	718.27	4/1/2021	ND	31.87	0.00	686.40
MW-12	718.27	4/12/2021	Dry	Dry	Dry	Dry
MW-12	718.27	4/19/2021	ND	31.61	0.00	686.66
MW-12	718.27	4/29/2021	ND	31.41	0.00	686.86
MW-12	718.27	5/3/2021	ND	31.38	0.00	686.89
MW-12	718.27	5/10/2021	ND	31.40	0.00	686.87
MW-12	718.27	5/18/2021	ND	31.47	0.00	686.80
MW-12	718.27	5/26/2021	ND	31.44	0.00	686.83
MW-12	718.27	5/31/2021	ND	31.60	0.00	686.67
MW-12	718.27	6/7/2021	ND	31.51	0.00	686.76
MW-12	718.27	6/14/2021	ND	31.56	0.00	686.71
MW-12	718.27	6/21/2021	ND	31.63	0.00	686.64
MW-12	718.27	7/1/2021	ND	31.73	0.00	686.54
MW-12	718.27	7/6/2021	ND	31.91	0.00	686.36
MW-12	718.27	7/14/2021	ND	31.95	0.00	686.32
MW-12	718.27	7/28/2021	ND	32.12	0.00	686.15
MW-12	718.27	8/2/2021	ND	32.25	0.00	686.02
MW-12	718.27	8/16/2021	ND	32.46	0.00	685.81
MW-12	718.27	8/26/2021	ND	32.68	0.00	685.59
MW-12	718.27	8/30/2021	ND	32.67	0.00	685.60
MW-12	718.27	9/14/2021	ND	32.92	0.00	685.35
MW-12	718.27	9/23/2021	ND	33.23	0.00	685.04
MW-12	718.27	10/6/2021	ND	33.47	0.00	684.80
MW-12	718.27	10/12/2021	ND	33.61	0.00	684.66
MW-12	718.27	10/18/2021	ND	33.82	0.00	684.45
MW-13	736.29	9/14/2020	ND	41.77	0.00	694.52
MW-13	736.29	9/18/2020	ND	38.42	0.00	697.87
MW-13	736.29	9/28/2020	ND	38.40	0.00	697.89
MW-13	736.29	10/3/2020	ND	38.51	0.00	697.78
MW-13	736.29	10/19/2020	ND	38.55	0.00	697.74
MW-13	736.29	10/26/2020	ND	38.62	0.00	697.67
MW-13	736.29	11/9/2020	ND	38.72	0.00	697.57
MW-13	736.29	11/18/2020	ND	38.86	0.00	697.43
MW-13	736.29	11/23/2020	ND	38.75	0.00	697.54
MW-13	736.29	12/7/2020	ND	38.72	0.00	697.57
MW-13	736.29	12/21/2020	ND	38.81	0.00	697.48
MW-13	736.29	12/26/2020	ND	38.92	0.00	697.37
MW-13	736.29	1/10/2021	ND	39.07	0.00	697.22
MW-13	736.29	1/19/2021	ND	39.11	0.00	697.18
MW-13	736.29	1/25/2021	ND	39.28	0.00	697.01
MW-13	736.29	2/1/2021	ND	39.30	0.00	696.99
MW-13	736.29	2/8/2021	ND	39.70	0.00	696.59

Table 3
Summary of Monitoring Well Gauging Data

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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-13	736.29	2/16/2021	ND	39.58	0.00	696.71
MW-13	736.29	2/22/2021	ND	39.56	0.00	696.73
MW-13	732.88	3/4/2021	ND	39.52	0.00	693.36
MW-13	732.88	3/8/2021	ND	39.84	0.00	693.04
MW-13	732.88	3/15/2021	ND	40.19	0.00	692.69
MW-13	732.88	3/22/2021	ND	40.24	0.00	692.64
MW-13	732.88	4/1/2021	ND	39.75	0.00	693.13
MW-13	732.88	4/12/2021	ND	39.46	0.00	693.42
MW-13	732.88	4/19/2021	ND	39.62	0.00	693.26
MW-13	732.88	4/29/2021	ND	39.48	0.00	693.40
MW-13	732.88	5/3/2021	ND	39.44	0.00	693.44
MW-13	732.88	5/10/2021	ND	39.82	0.00	693.06
MW-13	732.88	5/18/2021	ND	40.60	0.00	692.28
MW-13	732.88	5/26/2021	ND	40.34	0.00	692.54
MW-13	732.88	5/31/2021	ND	41.17	0.00	691.71
MW-13	732.88	6/7/2021	ND	41.30	0.00	691.58
MW-13	732.88	6/14/2021	ND	39.46	0.00	693.42
MW-13	732.88	6/21/2021	ND	39.96	0.00	692.92
MW-13	732.88	7/1/2021	ND	41.28	0.00	691.60
MW-13	732.88	7/6/2021	ND	42.27	0.00	690.61
MW-13	732.88	7/14/2021	ND	41.86	0.00	691.02
MW-13	732.88	7/28/2021	ND	42.38	0.00	690.50
MW-13	732.88	8/2/2021	ND	42.75	0.00	690.13
MW-13	732.88	8/16/2021	ND	42.84	0.00	690.04
MW-13	732.88	8/26/2021	ND	42.52	0.00	690.36
MW-13	732.88	8/30/2021	ND	43.15	0.00	689.73
MW-13	732.88	9/14/2021	ND	43.42	0.00	689.46
MW-13	732.88	9/23/2021	ND	43.05	0.00	689.83
MW-13	732.88	10/6/2021	ND	43.85	0.00	689.03
MW-13	732.88	10/12/2021	ND	44.00	0.00	688.88
MW-13	732.88	10/18/2021	ND	44.14	0.00	688.74
MW-14	724.88	9/14/2020	ND	31.21	0.00	693.67
MW-14	724.88	9/18/2020	ND	31.24	0.00	693.64
MW-14	724.88	9/28/2020	ND	31.29	0.00	693.59
MW-14	724.88	10/3/2020	ND	31.28	0.00	693.60
MW-14	724.88	10/5/2020	ND	33.28	0.00	691.60
MW-14	724.88	10/19/2020	ND	31.25	0.00	693.63
MW-14	724.88	10/26/2020	ND	31.27	0.00	693.61
MW-14	724.88	11/9/2020	ND	31.18	0.00	693.70
MW-14	724.88	11/18/2020	ND	31.13	0.00	693.75
MW-14	724.88	11/23/2020	ND	31.01	0.00	693.87
MW-14	724.88	12/7/2020	ND	30.85	0.00	694.03

Table 3
Summary of Monitoring Well Gauging Data

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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-14	724.88	12/21/2020	ND	30.82	0.00	694.06
MW-14	724.88	12/26/2020	ND	30.89	0.00	693.99
MW-14	724.88	1/10/2021	ND	30.73	0.00	694.15
MW-14	724.88	1/19/2021	ND	30.68	0.00	694.20
MW-14	724.88	1/25/2021	ND	30.49	0.00	694.39
MW-14	724.88	2/1/2021	ND	30.53	0.00	694.35
MW-14	724.88	2/8/2021	ND	30.67	0.00	694.21
MW-14	724.88	2/16/2021	ND	30.55	0.00	694.33
MW-14	724.88	2/22/2021	ND	30.34	0.00	694.54
MW-14	724.88	3/4/2021	ND	30.14	0.00	694.74
MW-14	724.88	3/8/2021	ND	30.18	0.00	694.70
MW-14	724.88	3/15/2021	ND	30.10	0.00	694.78
MW-14	724.88	3/22/2021	ND	30.06	0.00	694.82
MW-14	724.88	4/1/2021	ND	29.84	0.00	695.04
MW-14	724.88	4/12/2021	ND	29.54	0.00	695.34
MW-14	724.88	4/19/2021	ND	29.48	0.00	695.40
MW-14	724.88	4/29/2021	ND	29.50	0.00	695.38
MW-14	724.88	5/3/2021	ND	29.50	0.00	695.38
MW-14	724.88	5/10/2021	ND	29.66	0.00	695.22
MW-14	724.88	5/18/2021	ND	29.97	0.00	694.91
MW-14	724.88	5/26/2021	ND	30.14	0.00	694.74
MW-14	724.88	5/31/2021	ND	30.38	0.00	694.50
MW-14	724.88	6/7/2021	ND	30.49	0.00	694.39
MW-14	724.88	6/14/2021	ND	30.74	0.00	694.14
MW-14	724.88	6/21/2021	ND	30.88	0.00	694.00
MW-14	724.88	7/1/2021	ND	31.11	0.00	693.77
MW-14	724.88	7/6/2021	ND	31.33	0.00	693.55
MW-14	724.88	7/14/2021	ND	31.52	0.00	693.36
MW-14	724.88	7/28/2021	ND	31.73	0.00	693.15
MW-14	724.88	8/2/2021	ND	31.97	0.00	692.91
MW-14	724.88	8/16/2021	ND	32.23	0.00	692.65
MW-14	724.88	8/26/2021	ND	32.36	0.00	692.52
MW-14	724.88	8/30/2021	ND	32.52	0.00	692.36
MW-14	724.88	9/14/2021	ND	32.80	0.00	692.08
MW-14	724.88	9/23/2021	ND	33.22	0.00	691.66
MW-14	724.88	10/6/2021	ND	33.31	0.00	691.57
MW-14	724.88	10/12/2021	ND	33.48	0.00	691.40
MW-14	724.88	10/18/2021	ND	33.69	0.00	691.19
MW-15	725.70	9/3/2020	ND	33.31	0.00	692.39
MW-15	725.70	9/5/2020	ND	33.38	0.00	692.32
MW-15	725.70	9/14/2020	ND	34.79	0.00	690.91
MW-15	725.70	9/18/2020	ND	34.81	0.00	690.89

Table 3
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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-15	725.70	9/28/2020	ND	34.18	0.00	691.52
MW-15	725.70	10/3/2020	ND	34.89	0.00	690.81
MW-15	725.70	10/19/2020	ND	34.88	0.00	690.82
MW-15	725.70	10/26/2020	ND	34.88	0.00	690.82
MW-15	725.70	11/9/2020	ND	34.84	0.00	690.86
MW-15	725.70	11/18/2020	ND	34.85	0.00	690.85
MW-15	725.70	11/23/2020	ND	34.82	0.00	690.88
MW-15	725.70	12/7/2020	ND	35.72	0.00	689.98
MW-15	725.70	12/21/2020	ND	34.66	0.00	691.04
MW-15	725.70	12/26/2020	ND	34.70	0.00	691.00
MW-15	725.70	1/10/2021	ND	34.61	0.00	691.09
MW-15	725.70	1/19/2021	ND	34.58	0.00	691.12
MW-15	725.70	1/25/2021	ND	34.50	0.00	691.20
MW-15	725.70	2/1/2021	ND	34.50	0.00	691.20
MW-15	725.70	2/8/2021	ND	34.60	0.00	691.10
MW-15	725.70	2/16/2021	ND	34.48	0.00	691.22
MW-15	725.70	2/22/2021	ND	34.43	0.00	691.27
MW-15	725.70	3/4/2021	ND	34.32	0.00	691.38
MW-15	725.70	3/8/2021	ND	34.37	0.00	691.33
MW-15	725.70	3/15/2021	ND	34.27	0.00	691.43
MW-15	725.70	3/22/2021	ND	34.14	0.00	691.56
MW-15	725.70	4/1/2021	ND	34.03	0.00	691.67
MW-15	725.70	4/12/2021	ND	33.77	0.00	691.93
MW-15	725.70	4/19/2021	ND	33.68	0.00	692.02
MW-15	725.70	4/29/2021	ND	33.51	0.00	692.19
MW-15	725.70	5/3/2021	ND	33.46	0.00	692.24
MW-15	725.70	5/10/2021	ND	33.43	0.00	692.27
MW-15	725.70	5/18/2021	ND	33.40	0.00	692.30
MW-15	725.70	5/26/2021	ND	33.37	0.00	692.33
MW-15	725.70	5/31/2021	ND	33.44	0.00	692.26
MW-15	725.70	6/7/2021	ND	33.42	0.00	692.28
MW-15	725.70	6/14/2021	ND	33.49	0.00	692.21
MW-15	725.70	6/21/2021	ND	33.58	0.00	692.12
MW-15	725.70	7/1/2021	ND	33.73	0.00	691.97
MW-15	725.70	7/6/2021	ND	33.85	0.00	691.85
MW-15	725.70	7/14/2021	ND	33.99	0.00	691.71
MW-15	725.70	7/28/2021	ND	34.21	0.00	691.49
MW-15	725.70	8/2/2021	ND	34.34	0.00	691.36
MW-15	725.70	8/16/2021	ND	34.54	0.00	691.16
MW-15	725.70	8/26/2021	ND	34.72	0.00	690.98
MW-15	725.70	8/30/2021	ND	34.75	0.00	690.95
MW-15	725.70	9/14/2021	ND	34.98	0.00	690.72

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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-15	725.70	9/23/2021	ND	35.19	0.00	690.51
MW-15	725.70	10/6/2021	ND	35.40	0.00	690.30
MW-15	725.70	10/12/2021	ND	35.56	0.00	690.14
MW-15	725.70	10/18/2021	ND	35.68	0.00	690.02
MW-16	725.49	9/14/2020	ND	26.02	0.00	699.47
MW-16	725.49	9/18/2020	ND	33.90	0.00	691.59
MW-16	725.49	9/28/2020	ND	33.87	0.00	691.62
MW-16	725.49	10/3/2020	ND	33.91	0.00	691.58
MW-16	725.49	10/19/2020	ND	33.89	0.00	691.60
MW-16	725.49	10/26/2020	ND	33.86	0.00	691.63
MW-16	725.49	11/9/2020	ND	33.85	0.00	691.64
MW-16	725.49	11/18/2020	ND	33.85	0.00	691.64
MW-16	725.49	11/23/2020	ND	34.78	0.00	690.71
MW-16	725.49	12/7/2020	ND	33.42	0.00	692.07
MW-16	725.49	12/21/2020	ND	33.73	0.00	691.76
MW-16	725.49	12/26/2020	ND	33.79	0.00	691.70
MW-16	725.49	1/10/2021	ND	33.73	0.00	691.76
MW-16	725.49	1/19/2021	ND	33.69	0.00	691.80
MW-16	725.49	1/25/2021	ND	33.58	0.00	691.91
MW-16	725.49	2/1/2021	ND	33.63	0.00	691.86
MW-16	725.49	2/8/2021	ND	33.71	0.00	691.78
MW-16	725.49	2/16/2021	ND	33.64	0.00	691.85
MW-16	725.49	2/22/2021	ND	33.57	0.00	691.92
MW-16	725.49	3/4/2021	ND	33.48	0.00	692.01
MW-16	725.49	3/8/2021	ND	33.55	0.00	691.94
MW-16	725.49	3/15/2021	ND	33.50	0.00	691.99
MW-16	725.49	3/22/2021	ND	33.46	0.00	692.03
MW-16	725.49	4/1/2021	ND	33.32	0.00	692.17
MW-16	725.49	4/12/2021	ND	33.16	0.00	692.33
MW-16	725.49	4/19/2021	ND	33.08	0.00	692.41
MW-16	725.49	4/29/2021	ND	32.98	0.00	692.51
MW-16	725.49	5/3/2021	ND	32.95	0.00	692.54
MW-16	725.49	5/10/2021	ND	32.94	0.00	692.55
MW-16	725.49	5/18/2021	ND	32.92	0.00	692.57
MW-16	725.49	5/26/2021	ND	32.90	0.00	692.59
MW-16	725.49	5/31/2021	ND	32.98	0.00	692.51
MW-16	725.49	6/7/2021	ND	32.98	0.00	692.51
MW-16	725.49	6/14/2021	ND	32.98	0.00	692.51
MW-16	725.49	6/21/2021	ND	33.03	0.00	692.46
MW-16	725.49	7/1/2021	ND	33.15	0.00	692.34
MW-16	725.49	7/6/2021	ND	33.24	0.00	692.25
MW-16	725.49	7/14/2021	ND	33.42	0.00	692.07

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-16	725.49	7/28/2021	ND	33.52	0.00	691.97
MW-16	725.49	8/2/2021	ND	33.65	0.00	691.84
MW-16	725.49	8/16/2021	ND	33.85	0.00	691.64
MW-16	725.49	8/26/2021	ND	33.84	0.00	691.65
MW-16	725.49	8/30/2021	ND	33.91	0.00	691.58
MW-16	725.49	9/14/2021	ND	34.26	0.00	691.23
MW-16	725.49	9/23/2021	ND	34.44	0.00	691.05
MW-16	725.49	10/6/2021	ND	34.65	0.00	690.84
MW-16	725.49	10/12/2021	ND	34.77	0.00	690.72
MW-16	725.49	10/18/2021	ND	34.92	0.00	690.57
MW-17	727.50	9/14/2020	ND	31.32	0.00	696.18
MW-17	727.50	9/18/2020	ND	35.71	0.00	691.79
MW-17	727.50	9/28/2020	ND	35.70	0.00	691.80
MW-17	727.50	10/3/2020	ND	35.75	0.00	691.75
MW-17	727.50	10/19/2020	ND	35.73	0.00	691.77
MW-17	727.50	10/26/2020	ND	35.72	0.00	691.78
MW-17	727.50	10/28/2020	ND	37.72	0.00	689.78
MW-17	727.50	11/9/2020	ND	35.72	0.00	691.78
MW-17	727.50	11/18/2020	ND	35.73	0.00	691.77
MW-17	727.50	11/23/2020	ND	35.68	0.00	691.82
MW-17	727.50	12/7/2020	ND	35.60	0.00	691.90
MW-17	727.50	12/21/2020	ND	35.62	0.00	691.88
MW-17	727.50	12/26/2020	ND	35.70	0.00	691.80
MW-17	727.50	1/10/2021	ND	35.68	0.00	691.82
MW-17	727.50	1/19/2021	ND	35.68	0.00	691.82
MW-17	727.50	1/25/2021	ND	35.56	0.00	691.94
MW-17	727.50	2/1/2021	ND	35.61	0.00	691.89
MW-17	727.50	2/8/2021	ND	35.73	0.00	691.77
MW-17	727.50	2/16/2021	ND	35.66	0.00	691.84
MW-17	727.50	2/22/2021	ND	35.63	0.00	691.87
MW-17	727.50	3/4/2021	ND	35.57	0.00	691.93
MW-17	727.50	3/8/2021	ND	35.63	0.00	691.87
MW-17	727.50	3/15/2021	ND	35.55	0.00	691.95
MW-17	727.50	3/22/2021	ND	35.51	0.00	691.99
MW-17	727.50	4/1/2021	ND	35.41	0.00	692.09
MW-17	727.50	4/12/2021	ND	35.17	0.00	692.33
MW-17	727.50	4/19/2021	ND	35.16	0.00	692.34
MW-17	727.50	4/29/2021	ND	35.08	0.00	692.42
MW-17	727.50	5/3/2021	ND	35.01	0.00	692.49
MW-17	727.50	5/10/2021	ND	34.98	0.00	692.52
MW-17	727.50	5/18/2021	ND	34.98	0.00	692.52
MW-17	727.50	5/26/2021	ND	34.94	0.00	692.56

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-17	727.50	5/31/2021	ND	35.02	0.00	692.48
MW-17	727.50	6/7/2021	ND	35.00	0.00	692.50
MW-17	727.50	6/14/2021	ND	34.99	0.00	692.51
MW-17	727.50	6/21/2021	ND	35.03	0.00	692.47
MW-17	727.50	7/1/2021	ND	35.12	0.00	692.38
MW-17	727.50	7/6/2021	ND	35.24	0.00	692.26
MW-17	727.50	7/14/2021	ND	35.43	0.00	692.07
MW-17	727.50	7/28/2021	ND	35.53	0.00	691.97
MW-17	727.50	8/2/2021	ND	35.69	0.00	691.81
MW-17	727.50	8/16/2021	ND	35.86	0.00	691.64
MW-17	727.50	8/26/2021	ND	34.94	0.00	692.56
MW-17	727.50	8/30/2021	ND	35.57	0.00	691.93
MW-17	727.50	9/14/2021	ND	36.28	0.00	691.22
MW-17	727.50	9/23/2021	ND	36.46	0.00	691.04
MW-17	727.50	10/6/2021	ND	36.63	0.00	690.87
MW-17	727.50	10/12/2021	ND	36.78	0.00	690.72
MW-17	727.50	10/18/2021	ND	36.93	0.00	690.57
MW-18	729.75	9/3/2020	ND	36.67	0.00	693.08
MW-18	729.75	9/14/2020	ND	39.78	0.00	689.97
MW-18	729.75	9/18/2020	ND	39.75	0.00	690.00
MW-18	729.75	9/28/2020	ND	39.71	0.00	690.04
MW-18	729.75	10/3/2020	ND	39.79	0.00	689.96
MW-18	729.75	10/19/2020	ND	39.88	0.00	689.87
MW-18	729.75	10/26/2020	ND	39.93	0.00	689.82
MW-18	729.75	11/9/2020	ND	40.04	0.00	689.71
MW-18	729.75	11/18/2020	ND	40.15	0.00	689.60
MW-18	729.75	11/23/2020	ND	40.17	0.00	689.58
MW-18	729.75	12/7/2020	ND	40.11	0.00	689.64
MW-18	729.75	12/21/2020	40.13	40.88	0.75	689.42
MW-18	729.75	12/26/2020	39.85	41.95	2.10	689.34
MW-18	729.75	1/10/2021	39.89	45.56	5.67	688.34
MW-18	729.75	1/19/2021	39.24	45.50	6.26	688.83
MW-18	729.75	1/25/2021	39.35	45.57	6.22	688.74
MW-18	729.75	2/1/2021	39.30	45.80	6.50	688.71
MW-18	729.75	2/8/2021	39.57	46.40	6.83	688.35
MW-18	729.75	2/16/2021	39.27	46.48	7.21	688.55
MW-18	729.75	2/22/2021	39.16	46.44	7.28	688.64
MW-18	729.75	3/4/2021	ND	39.21	0.00	690.54
MW-18	729.75	3/8/2021	ARP	ARP	ARP	ARP
MW-18	729.75	3/15/2021	ARP	ARP	ARP	ARP
MW-18	729.75	3/22/2021	ARP	ARP	ARP	ARP
MW-18	728.17	4/1/2021	39.51	39.64	0.13	688.63

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-18	728.17	4/12/2021	ARP	ARP	ARP	ARP
MW-18	728.17	4/19/2021	ARP	ARP	ARP	ARP
MW-18	728.17	4/29/2021	39.03	40.55	1.52	688.73
MW-18	728.17	5/3/2021	ARP	ARP	ARP	ARP
MW-18	728.17	5/10/2021	ARP	ARP	ARP	ARP
MW-18	728.17	5/18/2021	ARP	ARP	ARP	ARP
MW-18	728.17	5/26/2021	39.24	40.63	1.39	688.56
MW-18	728.17	5/31/2021	ARP	ARP	ARP	ARP
MW-18	728.17	6/7/2021	ARP	ARP	ARP	ARP
MW-18	728.17	6/14/2021	ARP	ARP	ARP	ARP
MW-18	728.17	6/21/2021	ARP	ARP	ARP	ARP
MW-18	728.17	7/1/2021	39.54	41.06	1.52	688.22
MW-18	728.17	7/6/2021	ARP	ARP	ARP	ARP
MW-18	728.17	7/14/2021	39.62	41.18	1.56	688.13
MW-18	728.17	7/28/2021	40.18	41.59	1.41	687.61
MW-18	728.17	8/16/2021	ARP	ARP	ARP	ARP
MW-18	728.17	8/26/2021	40.90	42.45	1.55	686.86
MW-18	728.17	8/30/2021	ARP	ARP	ARP	ARP
MW-18	728.17	9/16/2021	41.53	43.07	1.54	686.23
MW-18R	728.17	9/23/2021	41.73	43.18	1.45	686.05
MW-18R	728.17	10/6/2021	ARP	ARP	ARP	ARP
MW-18R	728.17	10/12/2021	ARP	ARP	ARP	ARP
MW-18R	728.17	10/18/2021	ARP	ARP	ARP	ARP
MW-19	726.29	9/14/2020	ND	13.45	0.00	712.84
MW-19	726.29	9/18/2020	ND	31.25	0.00	695.04
MW-19	726.29	9/28/2020	ND	31.27	0.00	695.02
MW-19	726.29	10/3/2020	ND	31.28	0.00	695.01
MW-19	726.29	10/5/2020	ND	33.28	0.00	693.01
MW-19	726.29	10/19/2020	ND	31.26	0.00	695.03
MW-19	726.29	10/26/2020	ND	31.28	0.00	695.01
MW-19	726.29	11/9/2020	ND	31.30	0.00	694.99
MW-19	726.29	11/18/2020	ND	31.35	0.00	694.94
MW-19	726.29	11/23/2020	ND	31.28	0.00	695.01
MW-19	726.29	12/7/2020	ND	31.23	0.00	695.06
MW-19	726.29	12/21/2020	ND	31.30	0.00	694.99
MW-19	726.29	12/26/2020	ND	31.35	0.00	694.94
MW-19	726.29	1/10/2021	ND	31.28	0.00	695.01
MW-19	726.29	1/19/2021	ND	31.26	0.00	695.03
MW-19	726.29	1/25/2021	ND	41.09	0.00	685.20
MW-19	726.29	2/1/2021	ND	31.14	0.00	695.15
MW-19	726.29	2/8/2021	ND	31.22	0.00	695.07
MW-19	726.29	2/16/2021	ND	31.11	0.00	695.18

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-19	726.29	2/22/2021	ND	30.92	0.00	695.37
MW-19	726.29	3/4/2021	ND	30.58	0.00	695.71
MW-19	726.29	3/8/2021	ND	30.56	0.00	695.73
MW-19	726.29	3/15/2021	ND	30.44	0.00	695.85
MW-19	726.29	3/22/2021	ND	30.42	0.00	695.87
MW-19	726.29	4/1/2021	ND	30.17	0.00	696.12
MW-19	726.29	4/12/2021	ND	29.83	0.00	696.46
MW-19	726.29	4/19/2021	ND	29.86	0.00	696.43
MW-19	726.29	4/29/2021	ND	30.02	0.00	696.27
MW-19	726.29	5/3/2021	ND	30.05	0.00	696.24
MW-19	726.29	5/10/2021	ND	30.22	0.00	696.07
MW-19	726.29	5/18/2021	ND	30.37	0.00	695.92
MW-19	726.29	5/26/2021	ND	30.42	0.00	695.87
MW-19	726.29	5/31/2021	ND	30.55	0.00	695.74
MW-19	726.29	6/7/2021	ND	30.56	0.00	695.73
MW-19	726.29	6/14/2021	ND	30.52	0.00	695.77
MW-19	726.29	6/21/2021	ND	30.72	0.00	695.57
MW-19	726.29	7/1/2021	ND	30.78	0.00	695.51
MW-19	726.29	7/6/2021	ND	30.84	0.00	695.45
MW-19	726.29	7/14/2021	ND	30.94	0.00	695.35
MW-19	726.29	7/28/2021	ND	30.87	0.00	695.42
MW-19	726.29	8/2/2021	ND	30.95	0.00	695.34
MW-19	726.29	8/16/2021	ND	31.03	0.00	695.26
MW-19	726.29	8/26/2021	ND	31.07	0.00	695.22
MW-19	726.29	8/30/2021	ND	31.03	0.00	695.26
MW-19	726.29	9/14/2021	ND	31.20	0.00	695.09
MW-19	726.29	9/23/2021	ND	31.40	0.00	694.89
MW-19	726.29	10/6/2021	ND	31.54	0.00	694.75
MW-19	726.29	10/12/2021	ND	31.66	0.00	694.63
MW-19	726.29	10/18/2021	ND	31.76	0.00	694.53
MW-20	729.69	9/3/2020	ND	41.44	0.00	688.25
MW-20	729.69	9/14/2020	ND	42.25	0.00	687.44
MW-20	729.69	9/18/2020	ND	40.21	0.00	689.48
MW-20	729.69	9/28/2020	ND	42.17	0.00	687.52
MW-20	729.69	10/3/2020	ND	42.12	0.00	687.57
MW-20	729.69	10/19/2020	ND	42.16	0.00	687.53
MW-20	729.69	10/21/2020	ND	44.16	0.00	685.53
MW-20	729.69	10/26/2020	ND	42.15	0.00	687.54
MW-20	729.69	11/9/2020	ND	42.14	0.00	687.55
MW-20	729.69	11/18/2020	ND	42.29	0.00	687.40
MW-20	729.69	11/23/2020	ND	42.22	0.00	687.47
MW-20	729.69	12/7/2020	ND	42.15	0.00	687.54

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-20	729.69	12/21/2020	ND	42.26	0.00	687.43
MW-20	729.69	12/26/2020	ND	42.31	0.00	687.38
MW-20	729.69	1/10/2021	ND	42.46	0.00	687.23
MW-20	729.69	1/19/2021	ND	42.54	0.00	687.15
MW-20	729.69	1/25/2021	ND	42.56	0.00	687.13
MW-20	729.69	2/1/2021	ND	42.58	0.00	687.11
MW-20	729.69	2/8/2021	ND	42.84	0.00	686.85
MW-20	729.69	2/16/2021	ND	42.69	0.00	687.00
MW-20	729.69	2/22/2021	ND	42.68	0.00	687.01
MW-20	729.69	3/4/2021	ND	42.62	0.00	687.07
MW-20	729.69	3/8/2021	ND	42.69	0.00	687.00
MW-20	729.69	3/15/2021	ND	42.60	0.00	687.09
MW-20	729.69	3/22/2021	ND	42.55	0.00	687.14
MW-20	729.69	4/1/2021	ND	42.49	0.00	687.20
MW-20	729.69	4/12/2021	ND	42.32	0.00	687.37
MW-20	729.69	4/19/2021	ND	42.31	0.00	687.38
MW-20	729.69	4/29/2021	ND	42.19	0.00	687.50
MW-20	729.69	5/3/2021	ND	42.12	0.00	687.57
MW-20	729.69	5/10/2021	ND	42.11	0.00	687.58
MW-20	729.69	5/18/2021	ND	42.10	0.00	687.59
MW-20	729.69	5/26/2021	ND	42.13	0.00	687.56
MW-20	729.69	5/31/2021	ND	42.16	0.00	687.53
MW-20	729.69	6/7/2021	ND	42.22	0.00	687.47
MW-20	729.69	6/14/2021	ND	42.22	0.00	687.47
MW-20	729.69	6/21/2021	ND	42.30	0.00	687.39
MW-20	729.69	7/1/2021	ND	42.43	0.00	687.26
MW-20	729.69	7/6/2021	ND	42.50	0.00	687.19
MW-20	729.69	7/14/2021	ND	42.56	0.00	687.13
MW-20	729.69	7/28/2021	ND	42.86	0.00	686.83
MW-20	729.69	8/2/2021	ND	43.09	0.00	686.60
MW-20	729.69	8/16/2021	ND	43.39	0.00	686.30
MW-20	729.69	8/26/2021	ND	43.60	0.00	686.09
MW-20	729.69	8/30/2021	ND	43.64	0.00	686.05
MW-20	729.69	9/14/2021	ND	44.10	0.00	685.59
MW-20	729.69	9/23/2021	ND	44.34	0.00	685.35
MW-20	729.69	10/6/2021	ND	44.58	0.00	685.11
MW-20	729.69	10/12/2021	ND	44.77	0.00	684.92
MW-20	729.69	10/18/2021	ND	44.95	0.00	684.74
MW-21	724.97	9/14/2020	ND	24.99	0.00	699.98
MW-21	724.97	9/18/2020	ND	30.79	0.00	694.18
MW-21	724.97	9/28/2020	ND	30.73	0.00	694.24
MW-21	724.97	10/3/2020	ND	30.81	0.00	694.16

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-21	724.97	10/19/2020	ND	30.76	0.00	694.21
MW-21	724.97	10/26/2020	ND	30.74	0.00	694.23
MW-21	724.97	11/9/2020	ND	30.78	0.00	694.19
MW-21	724.97	11/18/2020	ND	30.81	0.00	694.16
MW-21	724.97	11/23/2020	ND	30.76	0.00	694.21
MW-21	724.97	12/7/2020	ND	30.71	0.00	694.26
MW-21	724.97	12/21/2020	ND	30.80	0.00	694.17
MW-21	724.97	12/26/2020	ND	30.87	0.00	694.10
MW-21	724.97	1/10/2021	ND	30.92	0.00	694.05
MW-21	724.97	1/19/2021	ND	30.90	0.00	694.07
MW-21	724.97	1/25/2021	ND	30.73	0.00	694.24
MW-21	724.97	2/1/2021	ND	30.78	0.00	694.19
MW-21	724.97	2/8/2021	ND	30.93	0.00	694.04
MW-21	724.97	2/16/2021	ND	30.84	0.00	694.13
MW-21	724.97	2/22/2021	ND	30.82	0.00	694.15
MW-21	724.97	3/4/2021	ND	30.80	0.00	694.17
MW-21	724.97	3/8/2021	ND	30.91	0.00	694.06
MW-21	724.97	3/15/2021	ND	30.81	0.00	694.16
MW-21	724.97	3/22/2021	ND	30.78	0.00	694.19
MW-21	724.97	4/1/2021	ND	30.71	0.00	694.26
MW-21	724.97	4/12/2021	ND	30.56	0.00	694.41
MW-21	724.97	4/19/2021	ND	30.48	0.00	694.49
MW-21	724.97	4/29/2021	ND	30.41	0.00	694.56
MW-21	724.97	5/3/2021	ND	30.38	0.00	694.59
MW-21	724.97	5/10/2021	ND	30.39	0.00	694.58
MW-21	724.97	5/18/2021	ND	30.46	0.00	694.51
MW-21	724.97	5/26/2021	ND	30.42	0.00	694.55
MW-21	724.97	5/31/2021	ND	30.52	0.00	694.45
MW-21	724.97	6/7/2021	ND	30.45	0.00	694.52
MW-21	724.97	6/14/2021	ND	31.50	0.00	693.47
MW-21	724.97	6/21/2021	ND	30.51	0.00	694.46
MW-21	724.97	7/1/2021	ND	30.60	0.00	694.37
MW-21	724.97	7/6/2021	ND	30.66	0.00	694.31
MW-21	724.97	7/14/2021	ND	30.77	0.00	694.20
MW-21	724.97	7/28/2021	ND	30.76	0.00	694.21
MW-21	724.97	8/2/2021	ND	30.87	0.00	694.10
MW-21	724.97	8/16/2021	ND	30.92	0.00	694.05
MW-21	724.97	8/26/2021	ND	36.40	0.00	688.57
MW-21	724.97	8/30/2021	ND	30.69	0.00	694.28
MW-21	724.97	9/14/2021	ND	31.15	0.00	693.82
MW-21	724.97	9/23/2021	ND	31.23	0.00	693.74
MW-21	724.97	10/6/2021	ND	31.36	0.00	693.61

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
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Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-21	724.97	10/12/2021	ND	31.47	0.00	693.50
MW-21	724.97	10/18/2021	ND	31.59	0.00	693.38
MW-22	721.89	1/10/2020	ARP	ARP	ARP	ARP
MW-22	721.89	9/14/2020	ND	34.88	0.00	687.01
MW-22	721.89	9/18/2020	ND	34.82	0.00	687.07
MW-22	721.89	9/28/2020	ND	34.77	0.00	687.12
MW-22	721.89	10/3/2020	ND	34.88	0.00	687.01
MW-22	721.89	10/19/2020	ND	35.02	0.00	686.87
MW-22	721.89	10/26/2020	ND	35.12	0.00	686.77
MW-22	721.89	11/9/2020	ND	34.80	0.00	687.09
MW-22	721.89	11/18/2020	ND	34.98	0.00	686.91
MW-22	721.89	11/23/2020	ND	34.90	0.00	686.99
MW-22	721.89	12/7/2020	34.71	36.79	2.08	686.63
MW-22	721.89	12/21/2020	ARP	ARP	ARP	ARP
MW-22	721.89	12/26/2020	35.85	37.54	1.69	685.59
MW-22	721.89	1/19/2021	ARP	ARP	ARP	ARP
MW-22	721.89	1/25/2021	ARP	ARP	ARP	ARP
MW-22	721.89	2/1/2021	Dry	Dry	Dry	Dry
MW-22	721.89	2/8/2021	ARP	ARP	ARP	ARP
MW-22	721.89	2/16/2021	ARP	ARP	ARP	ARP
MW-22	721.89	2/22/2021	ARP	ARP	ARP	ARP
MW-22	721.89	3/4/2021	37.06	37.59	0.53	684.69
MW-22	721.89	3/8/2021	ARP	ARP	ARP	ARP
MW-22	721.89	3/15/2021	ARP	ARP	ARP	ARP
MW-22	721.89	3/22/2021	ARP	ARP	ARP	ARP
MW-22	721.89	4/1/2021	37.22	37.25	0.03	684.66
MW-22	721.89	4/12/2021	ARP	ARP	ARP	ARP
MW-22	721.89	4/19/2021	ARP	ARP	ARP	ARP
MW-22	721.89	4/29/2021	37.22	37.48	0.26	684.60
MW-22	721.89	5/3/2021	ARP	ARP	ARP	ARP
MW-22	721.89	5/10/2021	ARP	ARP	ARP	ARP
MW-22	721.89	5/18/2021	ARP	ARP	ARP	ARP
MW-22	721.89	5/26/2021	Dry	Dry	Dry	Dry
MW-22	721.89	5/31/2021	ARP	ARP	ARP	ARP
MW-22	721.89	6/7/2021	ARP	ARP	ARP	ARP
MW-22	721.89	6/14/2021	ARP	ARP	ARP	ARP
MW-22	721.89	6/21/2021	ARP	ARP	ARP	ARP
MW-22	721.89	7/1/2021	Dry	Dry	Dry	Dry
MW-22	721.89	7/6/2021	ARP	ARP	ARP	ARP
MW-22	721.89	7/14/2021	Dry	Dry	Dry	Dry
MW-22	721.89	7/28/2021	37.25	37.34	0.09	684.62
MW-22	721.89	8/16/2021	Dry	Dry	Dry	Dry

Table 3
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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-22	721.89	8/26/2021	Dry	Dry	Dry	Dry
MW-22	721.89	8/30/2021	Dry	Dry	Dry	Dry
MW-22	721.89	9/14/2021	39.60	39.65	0.05	682.28
MW-22	721.89	9/16/2021	39.03	39.38	0.35	682.77
MW-22R	721.89	9/23/2021	39.03	40.51	1.48	682.46
MW-22R	721.89	10/6/2021	ARP	ARP	ARP	ARP
MW-22R	721.89	10/12/2021	ARP	ARP	ARP	ARP
MW-22R	721.89	10/18/2021	ARP	ARP	ARP	ARP
MW-23	724.32	9/14/2020	ND	30.06	0.00	694.26
MW-23	724.32	9/18/2020	ND	30.38	0.00	693.94
MW-23	724.32	9/28/2020	ND	29.82	0.00	694.50
MW-23	723.81	10/3/2020	ND	29.86	0.00	693.95
MW-23	723.81	10/19/2020	ND	29.81	0.00	694.00
MW-23	723.81	10/26/2020	ND	29.78	0.00	694.03
MW-23	723.81	11/9/2020	ND	29.79	0.00	694.02
MW-23	723.81	11/18/2020	ND	29.82	0.00	693.99
MW-23	723.81	11/23/2020	ND	30.79	0.00	693.02
MW-23	723.81	12/7/2020	ND	29.73	0.00	694.08
MW-23	723.81	12/21/2020	ND	29.79	0.00	694.02
MW-23	723.81	12/26/2020	ND	28.10	0.00	695.71
MW-23	723.81	1/10/2021	ND	29.88	0.00	693.93
MW-23	723.81	1/19/2021	ND	29.57	0.00	694.24
MW-23	723.81	1/25/2021	ND	29.74	0.00	694.07
MW-23	723.81	2/1/2021	ND	29.76	0.00	694.05
MW-23	723.81	2/8/2021	ND	29.89	0.00	693.92
MW-23	723.81	2/16/2021	ND	29.80	0.00	694.01
MW-23	723.81	2/22/2021	ND	29.75	0.00	694.06
MW-23	723.74	3/4/2021	ND	29.74	0.00	694.00
MW-23	723.74	3/8/2021	ND	29.83	0.00	693.91
MW-23	723.74	3/15/2021	ND	29.74	0.00	694.00
MW-23	723.74	3/22/2021	ND	29.71	0.00	694.03
MW-23	723.74	4/1/2021	ND	29.65	0.00	694.09
MW-23	723.74	4/12/2021	ND	29.51	0.00	694.23
MW-23	723.74	4/19/2021	ND	29.30	0.00	694.44
MW-23	723.74	4/29/2021	ND	29.36	0.00	694.38
MW-23	723.74	5/3/2021	ND	29.34	0.00	694.40
MW-23	723.74	5/10/2021	ND	29.34	0.00	694.40
MW-23	723.74	5/18/2021	ND	29.41	0.00	694.33
MW-23	723.74	5/26/2021	ND	29.36	0.00	694.38
MW-23	723.74	5/31/2021	ND	29.45	0.00	694.29
MW-23	723.74	6/7/2021	ND	29.44	0.00	694.30
MW-23	723.74	6/14/2021	ND	29.40	0.00	694.34

Table 3
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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-23	723.74	6/21/2021	ND	29.43	0.00	694.31
MW-23	723.74	7/1/2021	ND	29.56	0.00	694.18
MW-23	723.74	7/6/2021	ND	29.59	0.00	694.15
MW-23	723.74	7/14/2021	ND	29.67	0.00	694.07
MW-23	723.74	7/28/2021	ND	29.65	0.00	694.09
MW-23	723.74	8/2/2021	ND	29.77	0.00	693.97
MW-23	723.74	8/16/2021	ND	29.80	0.00	693.94
MW-23	723.74	8/26/2021	ND	28.51	0.00	695.23
MW-23	723.74	8/30/2021	ND	29.23	0.00	694.51
MW-23	723.74	9/14/2021	ND	30.01	0.00	693.73
MW-23	723.74	9/23/2021	ND	30.14	0.00	693.60
MW-23	723.74	10/6/2021	ND	30.26	0.00	693.48
MW-23	723.74	10/12/2021	ND	30.39	0.00	693.35
MW-23	723.74	10/18/2021	ND	30.52	0.00	693.22
MW-24	737.63	9/14/2020	44.36	46.69	2.33	692.65
MW-24	737.63	9/18/2020	43.71	48.36	4.65	692.67
MW-24	737.63	9/28/2020	41.54	54.21	12.67	692.70
MW-24	737.63	10/3/2020	41.54	55.61	14.07	692.32
MW-24	737.63	10/19/2020	41.72	55.25	13.53	692.29
MW-24	737.63	10/26/2020	41.26	55.45	14.19	692.57
MW-24	737.63	11/9/2020	42.63	52.83	10.20	692.27
MW-24	737.63	11/18/2020	ARP	ARP	ARP	ARP
MW-24	737.63	11/23/2020	ARP	ARP	ARP	ARP
MW-24	737.63	12/7/2020	ARP	ARP	ARP	ARP
MW-24	737.63	12/21/2020	ARP	ARP	ARP	ARP
MW-24	737.63	12/26/2020	43.01	56.43	13.42	691.03
MW-24	737.63	1/10/2021	ARP	ARP	ARP	ARP
MW-24	737.63	1/19/2021	ARP	ARP	ARP	ARP
MW-24	737.63	1/25/2021	ARP	ARP	ARP	ARP
MW-24	737.63	2/1/2021	43.68	56.60	12.92	690.49
MW-24	737.63	2/8/2021	ARP	ARP	ARP	ARP
MW-24	737.63	2/16/2021	ARP	ARP	ARP	ARP
MW-24	737.63	2/22/2021	ARP	ARP	ARP	ARP
MW-24	737.63	3/4/2021	44.03	55.90	11.87	690.42
MW-24	737.63	3/8/2021	ARP	ARP	ARP	ARP
MW-24	737.63	3/15/2021	ARP	ARP	ARP	ARP
MW-24	737.63	3/22/2021	ARP	ARP	ARP	ARP
MW-24	737.63	4/1/2021	44.91	54.37	9.46	690.19
MW-24	737.63	4/12/2021	ARP	ARP	ARP	ARP
MW-24	737.63	4/19/2021	ARP	ARP	ARP	ARP
MW-24	737.63	4/29/2021	44.92	54.26	9.34	690.21
MW-24	737.63	5/3/2021	ARP	ARP	ARP	ARP

Table 3
Summary of Monitoring Well Gauging Data

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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-24	737.63	5/10/2021	ARP	ARP	ARP	ARP
MW-24	737.63	5/18/2021	ARP	ARP	ARP	ARP
MW-24	737.63	5/26/2021	45.19	53.94	8.75	690.10
MW-24	737.63	5/31/2021	ARP	ARP	ARP	ARP
MW-24	737.63	6/7/2021	ARP	ARP	ARP	ARP
MW-24	737.63	6/14/2021	ARP	ARP	ARP	ARP
MW-24	737.63	6/21/2021	ARP	ARP	ARP	ARP
MW-24	737.63	7/1/2021	45.11	55.71	10.60	689.68
MW-24	737.63	7/6/2021	ARP	ARP	ARP	ARP
MW-24	737.63	7/14/2021	45.85	53.75	7.90	689.67
MW-24	737.63	7/28/2021	46.21	53.56	7.35	689.45
MW-24	737.63	8/16/2021	ARP	ARP	ARP	ARP
MW-24	737.63	8/26/2021	46.84	53.99	7.15	688.88
MW-24	737.63	8/30/2021	ARP	ARP	ARP	ARP
MW-24	737.63	9/16/2021	48.35	52.82	4.47	688.08
MW-24	737.63	9/23/2021	48.56	52.76	4.20	687.95
MW-24	737.63	10/6/2021	ARP	ARP	ARP	ARP
MW-24	737.63	10/12/2021	ARP	ARP	ARP	ARP
MW-24	737.63	10/18/2021	ARP	ARP	ARP	ARP
MW-25	734.04	9/14/2020	ND	43.52	0.00	690.52
MW-25	734.04	9/18/2020	ND	43.48	0.00	690.56
MW-25	734.04	9/28/2020	ND	43.40	0.00	690.64
MW-25	734.04	10/3/2020	ND	43.49	0.00	690.55
MW-25	734.04	10/19/2020	ND	43.54	0.00	690.50
MW-25	734.04	10/21/2020	ND	45.54	0.00	688.50
MW-25	734.04	10/26/2020	ND	43.57	0.00	690.47
MW-25	734.04	11/9/2020	ND	43.61	0.00	690.43
MW-25	734.04	11/18/2020	ND	43.69	0.00	690.35
MW-25	734.04	11/23/2020	ND	44.71	0.00	689.33
MW-25	734.04	12/7/2020	ND	43.66	0.00	690.38
MW-25	734.04	12/21/2020	ND	43.85	0.00	690.19
MW-25	734.04	12/26/2020	ND	43.92	0.00	690.12
MW-25	734.04	1/10/2021	ND	44.16	0.00	689.88
MW-25	734.04	1/19/2021	ND	44.25	0.00	689.79
MW-25	734.04	1/25/2021	ND	44.29	0.00	689.75
MW-25	734.04	2/1/2021	ND	44.39	0.00	689.65
MW-25	734.04	2/8/2021	ND	44.66	0.00	689.38
MW-25	734.04	2/16/2021	ND	44.49	0.00	689.55
MW-25	734.04	2/22/2021	ND	44.39	0.00	689.65
MW-25	734.04	3/4/2021	ND	44.42	0.00	689.62
MW-25	734.04	3/8/2021	ND	44.57	0.00	689.47
MW-25	734.04	3/15/2021	ND	44.54	0.00	689.50

Table 3
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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-25	734.04	3/22/2021	ND	44.53	0.00	689.51
MW-25	734.04	4/1/2021	ND	44.51	0.00	689.53
MW-25	734.04	4/12/2021	ND	44.43	0.00	689.61
MW-25	734.04	4/19/2021	ND	44.41	0.00	689.63
MW-25	734.04	4/29/2021	ND	44.40	0.00	689.64
MW-25	734.04	5/3/2021	ND	44.37	0.00	689.67
MW-25	734.04	5/10/2021	ND	44.45	0.00	689.59
MW-25	734.04	5/18/2021	ND	44.56	0.00	689.48
MW-25	734.04	5/26/2021	ND	44.54	0.00	689.50
MW-25	734.04	5/31/2021	ND	44.66	0.00	689.38
MW-25	734.04	6/7/2021	ND	44.73	0.00	689.31
MW-25	734.04	6/14/2021	ND	44.77	0.00	689.27
MW-25	734.04	6/21/2021	ND	44.83	0.00	689.21
MW-25	734.04	7/1/2021	ND	44.80	0.00	689.24
MW-25	734.04	7/6/2021	ND	44.97	0.00	689.07
MW-25	734.04	7/14/2021	ND	44.92	0.00	689.12
MW-25	734.04	7/28/2021	ND	45.47	0.00	688.57
MW-25	734.04	8/2/2021	ND	45.76	0.00	688.28
MW-25	734.04	8/16/2021	ND	46.02	0.00	688.02
MW-25	734.04	8/26/2021	ND	46.04	0.00	688.00
MW-25	734.04	8/30/2021	ND	46.22	0.00	687.82
MW-25	734.04	9/14/2021	ND	46.68	0.00	687.36
MW-25	734.04	9/23/2021	ND	46.77	0.00	687.27
MW-25	734.04	10/6/2021	ND	47.02	0.00	687.02
MW-25	734.04	10/12/2021	ND	47.19	0.00	686.85
MW-25	734.04	10/18/2021	ND	47.27	0.00	686.77
MW-26	717.71	9/14/2020	31.19	33.25	2.06	685.97
MW-26	717.71	9/18/2020	30.70	34.61	3.91	685.96
MW-26	717.71	9/28/2020	29.56	37.80	8.24	685.95
MW-26	717.71	10/3/2020	29.40	38.75	9.35	685.81
MW-26	717.71	10/19/2020	28.91	39.92	11.01	685.85
MW-26	717.71	10/21/2020	28.91	39.92	11.01	685.85
MW-26	717.71	10/26/2020	28.84	39.89	11.05	685.91
MW-26	717.71	11/9/2020	28.85	40.03	11.18	685.87
MW-26	717.71	11/18/2020	ARP	ARP	ARP	ARP
MW-26	717.71	11/23/2020	42.57	54.00	11.43	672.08
MW-26	717.71	12/7/2020	ARP	ARP	ARP	ARP
MW-26	717.71	12/21/2020	ARP	ARP	ARP	ARP
MW-26	717.71	12/26/2020	ARP	ARP	ARP	ARP
MW-26	717.71	1/10/2021	Dry	Dry	Dry	Dry
MW-26	717.71	1/19/2021	Dry	Dry	Dry	Dry
MW-26	717.71	1/25/2021	Dry	Dry	Dry	Dry

Table 3
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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-26	717.71	2/1/2021	Dry	Dry	Dry	Dry
MW-26	717.71	2/8/2021	Dry	Dry	Dry	Dry
MW-26	717.71	2/16/2021	NM	NM	NM	NM
MW-26	717.71	2/22/2021	NM	NM	NM	NM
MW-26	717.71	3/4/2021	NM	NM	NM	NM
MW-26	717.71	3/8/2021	NM	NM	NM	NM
MW-26	717.71	3/15/2021	NM	NM	NM	NM
MW-26	717.71	3/22/2021	NM	NM	NM	NM
MW-26	717.71	4/1/2021	NM	NM	NM	NM
MW-26	717.71	4/12/2021	NM	NM	NM	NM
MW-26	717.71	4/19/2021	NM	NM	NM	NM
MW-26	717.71	4/29/2021	NM	NM	NM	NM
MW-26	717.71	5/3/2021	NM	NM	NM	NM
MW-26	717.71	5/10/2021	NM	NM	NM	NM
MW-26	717.71	5/18/2021	NM	NM	NM	NM
MW-26	717.71	5/26/2021	NM	NM	NM	NM
MW-26	717.71	5/31/2021	NM	NM	NM	NM
MW-26	717.71	6/7/2021	NM	NM	NM	NM
MW-26	717.71	6/14/2021	NM	NM	NM	NM
MW-26	717.71	6/21/2021	NM	NM	NM	NM
MW-26	717.71	7/1/2021	NM	NM	NM	NM
MW-26	717.71	7/6/2021	NM	NM	NM	NM
MW-26	717.71	7/14/2021	NM	NM	NM	NM
MW-26	718.71	7/28/2021	NM	NM	NM	NM
MW-26	718.71	8/2/2021	NM	NM	NM	NM
MW-26	718.71	8/16/2021	NM	NM	NM	NM
MW-26	718.71	8/26/2021	NM	NM	NM	NM
MW-26	718.71	8/30/2021	NM	NM	NM	NM
MW-26R	718.71	9/16/2021	35.87	39.43	3.56	681.89
MW-26R	718.71	9/23/2021	36.75	39.33	2.58	681.27
MW-26R	718.71	10/6/2021	ARP	ARP	ARP	ARP
MW-26R	718.71	10/12/2021	ARP	ARP	ARP	ARP
MW-26R	718.71	10/18/2021	ARP	ARP	ARP	ARP
MW-27	716.19	9/14/2020	ND	33.27	0.00	682.92
MW-27	716.19	9/18/2020	ND	33.24	0.00	682.95
MW-27	716.19	9/28/2020	ND	33.18	0.00	683.01
MW-27	716.19	10/3/2020	ND	33.23	0.00	682.96
MW-27	716.19	10/19/2020	ND	33.24	0.00	682.95
MW-27	716.19	10/26/2020	ND	33.23	0.00	682.96
MW-27	716.19	11/9/2020	ND	33.21	0.00	682.98
MW-27	716.19	11/18/2020	ND	33.25	0.00	682.94
MW-27	716.19	11/23/2020	ND	33.19	0.00	683.00

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-27	716.19	12/7/2020	ND	33.02	0.00	683.17
MW-27	716.19	12/21/2020	ND	33.15	0.00	683.04
MW-27	716.19	12/26/2020	ND	33.14	0.00	683.05
MW-27	716.19	1/10/2021	ND	33.25	0.00	682.94
MW-27	716.19	1/19/2021	ND	33.80	0.00	682.39
MW-27	716.19	1/25/2021	ND	34.01	0.00	682.18
MW-27	716.19	2/1/2021	ND	34.08	0.00	682.11
MW-27	716.19	2/8/2021	ND	34.29	0.00	681.90
MW-27	716.19	2/16/2021	ND	33.92	0.00	682.27
MW-27	716.19	2/22/2021	ND	33.62	0.00	682.57
MW-27	716.19	3/4/2021	ND	33.92	0.00	682.27
MW-27	716.19	3/8/2021	ND	33.53	0.00	682.66
MW-27	716.19	3/15/2021	ND	33.50	0.00	682.69
MW-27	716.19	3/22/2021	ND	33.49	0.00	682.70
MW-27	716.19	4/1/2021	ND	33.24	0.00	682.95
MW-27	716.19	4/12/2021	ND	33.29	0.00	682.90
MW-27	716.19	4/19/2021	ND	33.45	0.00	682.74
MW-27	716.19	4/29/2021	ND	33.43	0.00	682.76
MW-27	716.19	5/3/2021	ND	33.39	0.00	682.80
MW-27	716.19	5/10/2021	ND	32.52	0.00	683.67
MW-27	716.19	5/18/2021	ND	33.50	0.00	682.69
MW-27	716.19	5/26/2021	ND	33.58	0.00	682.61
MW-27	716.19	5/31/2021	ND	33.79	0.00	682.40
MW-27	716.19	6/7/2021	ND	34.00	0.00	682.19
MW-27	716.19	6/14/2021	ND	34.08	0.00	682.11
MW-27	716.19	6/21/2021	ND	34.19	0.00	682.00
MW-27	716.19	7/1/2021	ND	34.35	0.00	681.84
MW-27	716.19	7/6/2021	ND	34.54	0.00	681.65
MW-27	716.19	7/14/2021	ND	34.56	0.00	681.63
MW-27	716.19	7/28/2021	ND	35.06	0.00	681.13
MW-27	716.19	8/2/2021	ND	35.33	0.00	680.86
MW-27	716.19	8/16/2021	ND	35.86	0.00	680.33
MW-27	716.19	8/26/2021	ND	36.30	0.00	679.89
MW-27	716.19	8/30/2021	ND	36.60	0.00	679.59
MW-27	716.19	9/14/2021	ND	37.38	0.00	678.81
MW-27	716.19	9/23/2021	ND	37.69	0.00	678.50
MW-27	716.19	10/6/2021	ND	38.50	0.00	677.69
MW-27	716.19	10/12/2021	ND	38.83	0.00	677.36
MW-27	716.19	10/18/2021	ND	39.09	0.00	677.10
MW-28	720.45	9/14/2020	ND	29.37	0.00	691.08
MW-28	720.45	9/18/2020	ND	29.34	0.00	691.11
MW-28	720.45	9/28/2020	ND	29.32	0.00	691.13

Table 3
Summary of Monitoring Well Gauging Data

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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-28	720.45	10/3/2020	ND	29.36	0.00	691.09
MW-28	720.45	10/19/2020	ND	29.33	0.00	691.12
MW-28	720.45	10/26/2020	ND	29.29	0.00	691.16
MW-28	720.45	11/9/2020	ND	29.25	0.00	691.20
MW-28	720.45	11/18/2020	ND	29.22	0.00	691.23
MW-28	720.45	11/23/2020	ND	29.19	0.00	691.26
MW-28	720.45	12/7/2020	ND	29.09	0.00	691.36
MW-28	720.45	12/21/2020	ND	29.03	0.00	691.42
MW-28	720.45	12/26/2020	ND	29.09	0.00	691.36
MW-28	720.45	1/10/2021	ND	29.02	0.00	691.43
MW-28	720.45	1/19/2021	ND	28.90	0.00	691.55
MW-28	720.45	1/25/2021	ND	28.84	0.00	691.61
MW-28	720.45	2/1/2021	ND	28.85	0.00	691.60
MW-28	720.45	2/8/2021	ND	28.91	0.00	691.54
MW-28	720.45	2/16/2021	ND	28.82	0.00	691.63
MW-28	720.45	2/22/2021	ND	28.76	0.00	691.69
MW-28	720.45	3/4/2021	ND	28.66	0.00	691.79
MW-28	720.45	3/8/2021	ND	28.70	0.00	691.75
MW-28	720.45	3/15/2021	ND	28.59	0.00	691.86
MW-28	720.45	3/22/2021	ND	28.51	0.00	691.94
MW-28	720.45	4/1/2021	ND	28.36	0.00	692.09
MW-28	720.45	4/12/2021	ND	28.18	0.00	692.27
MW-28	720.45	4/19/2021	ND	28.08	0.00	692.37
MW-28	720.45	4/29/2021	ND	27.97	0.00	692.48
MW-28	720.45	5/3/2021	ND	27.89	0.00	692.56
MW-28	720.45	5/10/2021	ND	27.87	0.00	692.58
MW-28	720.45	5/18/2021	ND	27.28	0.00	693.17
MW-28	720.45	5/26/2021	ND	27.87	0.00	692.58
MW-28	720.45	5/31/2021	ND	27.97	0.00	692.48
MW-28	720.45	6/7/2021	ND	27.97	0.00	692.48
MW-28	720.45	6/14/2021	ND	27.97	0.00	692.48
MW-28	720.45	6/21/2021	ND	26.07	0.00	694.38
MW-28	720.45	7/1/2021	ND	28.20	0.00	692.25
MW-28	720.45	7/6/2021	ND	28.29	0.00	692.16
MW-28	720.45	7/14/2021	ND	28.46	0.00	691.99
MW-28	720.45	7/28/2021	ND	28.56	0.00	691.89
MW-28	720.45	8/2/2021	ND	28.68	0.00	691.77
MW-28	720.45	8/16/2021	ND	28.89	0.00	691.56
MW-28	720.45	8/26/2021	ND	29.04	0.00	691.41
MW-28	720.45	8/30/2021	ND	29.05	0.00	691.40
MW-28	720.45	9/14/2021	ND	29.34	0.00	691.11
MW-28	720.45	9/23/2021	ND	29.51	0.00	690.94

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
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Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-28	720.45	10/6/2021	ND	29.74	0.00	690.71
MW-28	720.45	10/12/2021	ND	29.88	0.00	690.57
MW-28	720.45	10/18/2021	ND	30.02	0.00	690.43
MW-29	718.73	9/14/2020	ND	29.71	0.00	689.02
MW-29	718.73	9/18/2020	ND	29.79	0.00	688.94
MW-29	718.73	9/28/2020	ND	29.86	0.00	688.87
MW-29	718.73	10/3/2020	ND	30.00	0.00	688.73
MW-29	718.73	10/19/2020	ND	30.10	0.00	688.63
MW-29	718.73	10/26/2020	ND	30.11	0.00	688.62
MW-29	718.73	11/9/2020	ND	30.07	0.00	688.66
MW-29	718.73	11/18/2020	ND	30.12	0.00	688.61
MW-29	718.73	11/23/2020	ND	30.05	0.00	688.68
MW-29	718.73	12/7/2020	ND	29.85	0.00	688.88
MW-29	718.73	12/21/2020	ND	29.91	0.00	688.82
MW-29	718.73	12/26/2020	ND	29.94	0.00	688.79
MW-29	718.73	1/10/2021	ND	29.87	0.00	688.86
MW-29	718.73	1/19/2021	ND	29.92	0.00	688.81
MW-29	718.73	1/25/2021	ND	29.84	0.00	688.89
MW-29	718.73	2/1/2021	ND	29.81	0.00	688.92
MW-29	718.73	2/8/2021	ND	30.09	0.00	688.64
MW-29	718.73	2/16/2021	ND	29.82	0.00	688.91
MW-29	718.73	2/22/2021	ND	29.68	0.00	689.05
MW-29	718.73	3/4/2021	ND	29.42	0.00	689.31
MW-29	718.73	3/8/2021	ND	29.59	0.00	689.14
MW-29	718.73	3/15/2021	ND	29.49	0.00	689.24
MW-29	718.73	3/22/2021	ND	29.39	0.00	689.34
MW-29	718.73	4/1/2021	ND	29.22	0.00	689.51
MW-29	718.73	4/12/2021	ND	28.98	0.00	689.75
MW-29	718.73	4/19/2021	ND	28.97	0.00	689.76
MW-29	718.73	4/29/2021	ND	28.96	0.00	689.77
MW-29	718.73	5/3/2021	ND	28.94	0.00	689.79
MW-29	718.73	5/10/2021	ND	29.09	0.00	689.64
MW-29	718.73	5/18/2021	ND	29.12	0.00	689.61
MW-29	718.73	5/26/2021	ND	29.14	0.00	689.59
MW-29	718.73	5/31/2021	ND	29.34	0.00	689.39
MW-29	718.73	6/7/2021	ND	29.42	0.00	689.31
MW-29	718.73	6/14/2021	ND	29.51	0.00	689.22
MW-29	718.73	6/21/2021	ND	29.68	0.00	689.05
MW-29	718.73	7/1/2021	ND	29.83	0.00	688.90
MW-29	718.73	7/6/2021	ND	30.11	0.00	688.62
MW-29	718.73	7/14/2021	ND	30.24	0.00	688.49
MW-29	718.73	7/28/2021	ND	30.86	0.00	687.87

Table 3
Summary of Monitoring Well Gauging Data

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Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-29	718.73	8/2/2021	ND	31.23	0.00	687.50
MW-29	718.73	8/16/2021	ND	31.60	0.00	687.13
MW-29	718.73	8/26/2021	ND	31.84	0.00	686.89
MW-29	718.73	8/30/2021	ND	32.09	0.00	686.64
MW-29	718.73	9/14/2021	32.45	32.96	0.51	686.14
MW-29	718.73	9/16/2021	32.06	32.96	0.90	686.43
MW-29	718.73	9/23/2021	33.35	34.37	1.02	685.11
MW-29	718.73	10/6/2021	ARP	ARP	ARP	ARP
MW-29	718.73	10/12/2021	ARP	ARP	ARP	ARP
MW-29	718.73	10/18/2021	ARP	ARP	ARP	ARP
MW-30	715.08	9/14/2020	ND	30.59	0.00	684.49
MW-30	715.08	9/18/2020	ND	30.59	0.00	684.49
MW-30	715.08	9/28/2020	ND	30.50	0.00	684.58
MW-30	715.08	10/3/2020	ND	30.54	0.00	684.54
MW-30	715.08	10/19/2020	ND	30.32	0.00	684.76
MW-30	715.08	10/26/2020	ND	30.21	0.00	684.87
MW-30	715.08	11/9/2020	ND	30.02	0.00	685.06
MW-30	715.08	11/18/2020	ND	29.94	0.00	685.14
MW-30	715.08	11/23/2020	ND	29.89	0.00	685.19
MW-30	715.08	12/7/2020	ND	29.57	0.00	685.51
MW-30	715.08	12/21/2020	ND	29.43	0.00	685.65
MW-30	715.08	12/26/2020	ND	29.42	0.00	685.66
MW-30	715.08	1/10/2021	ND	29.13	0.00	685.95
MW-30	715.08	1/19/2021	ND	29.00	0.00	686.08
MW-30	715.08	1/25/2021	ND	28.83	0.00	686.25
MW-30	715.08	2/1/2021	ND	28.73	0.00	686.35
MW-30	715.08	2/8/2021	ND	28.82	0.00	686.26
MW-30	715.08	2/16/2021	ND	28.54	0.00	686.54
MW-30	715.08	2/22/2021	ND	28.30	0.00	686.78
MW-30	715.08	3/4/2021	ND	28.05	0.00	687.03
MW-30	715.08	3/8/2021	ND	28.18	0.00	686.90
MW-30	715.08	3/15/2021	ND	28.03	0.00	687.05
MW-30	715.08	3/22/2021	ND	27.86	0.00	687.22
MW-30	715.08	4/1/2021	ND	27.62	0.00	687.46
MW-30	715.08	4/12/2021	ND	27.25	0.00	687.83
MW-30	715.08	4/19/2021	ND	27.25	0.00	687.83
MW-30	715.08	4/29/2021	ND	27.22	0.00	687.86
MW-30	715.08	5/3/2021	ND	27.23	0.00	687.85
MW-30	715.08	5/10/2021	ND	27.31	0.00	687.77
MW-30	715.08	5/18/2021	ND	27.53	0.00	687.55
MW-30	715.08	5/26/2021	ND	27.68	0.00	687.40
MW-30	715.08	5/31/2021	ND	27.94	0.00	687.14

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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-30	715.08	6/7/2021	ND	28.04	0.00	687.04
MW-30	715.08	6/14/2021	ND	28.16	0.00	686.92
MW-30	715.08	6/21/2021	ND	28.35	0.00	686.73
MW-30	715.08	7/1/2021	ND	28.57	0.00	686.51
MW-30	715.08	7/6/2021	ND	28.78	0.00	686.30
MW-30	715.08	7/14/2021	ND	28.94	0.00	686.14
MW-30	715.08	7/28/2021	ND	29.25	0.00	685.83
MW-30	715.08	8/2/2021	ND	29.45	0.00	685.63
MW-30	715.08	8/16/2021	ND	29.85	0.00	685.23
MW-30	715.08	8/26/2021	ND	30.11	0.00	684.97
MW-30	715.08	8/30/2021	ND	30.23	0.00	684.85
MW-30	715.08	9/14/2021	ND	30.68	0.00	684.40
MW-30	715.08	9/23/2021	ND	31.04	0.00	684.04
MW-30	715.08	10/6/2021	ND	31.40	0.00	683.68
MW-30	715.08	10/12/2021	ND	31.60	0.00	683.48
MW-30	715.08	10/18/2021	ND	31.84	0.00	683.24
MW-31	721.45	9/14/2020	ND	26.39	0.00	695.06
MW-31	721.45	9/18/2020	ND	27.69	0.00	693.76
MW-31	721.45	9/28/2020	ND	27.64	0.00	693.81
MW-31	721.45	10/3/2020	ND	27.69	0.00	693.76
MW-31	721.45	10/19/2020	ND	27.62	0.00	693.83
MW-31	721.45	10/21/2020	ND	29.62	0.00	691.83
MW-31	721.45	10/26/2020	ND	27.61	0.00	693.84
MW-31	721.45	11/9/2020	ND	27.61	0.00	693.84
MW-31	721.45	11/18/2020	ND	27.61	0.00	693.84
MW-31	721.45	11/23/2020	ND	27.56	0.00	693.89
MW-31	721.45	12/7/2020	ND	27.49	0.00	693.96
MW-31	721.45	12/21/2020	ND	27.53	0.00	693.92
MW-31	721.45	12/26/2020	ND	27.61	0.00	693.84
MW-31	721.45	1/10/2021	ND	27.58	0.00	693.87
MW-31	721.45	1/19/2021	ND	27.54	0.00	693.91
MW-31	721.45	1/25/2021	ND	27.40	0.00	694.05
MW-31	721.45	2/1/2021	ND	27.43	0.00	694.02
MW-31	721.45	2/8/2021	ND	27.52	0.00	693.93
MW-31	721.45	2/16/2021	ND	27.44	0.00	694.01
MW-31	721.45	2/22/2021	ND	27.34	0.00	694.11
MW-31	721.45	3/4/2021	ND	27.28	0.00	694.17
MW-31	721.45	3/8/2021	ND	27.34	0.00	694.11
MW-31	721.45	3/15/2021	ND	27.28	0.00	694.17
MW-31	721.45	3/22/2021	ND	27.24	0.00	694.21
MW-31	721.45	4/1/2021	ND	27.11	0.00	694.34
MW-31	721.45	4/12/2021	ND	26.97	0.00	694.48

Table 3
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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-31	721.45	4/19/2021	ND	27.91	0.00	693.54
MW-31	721.45	4/29/2021	ND	26.85	0.00	694.60
MW-31	721.45	5/3/2021	ND	26.84	0.00	694.61
MW-31	721.45	5/10/2021	ND	26.83	0.00	694.62
MW-31	721.45	5/18/2021	ND	26.88	0.00	694.57
MW-31	721.45	5/26/2021	ND	26.85	0.00	694.60
MW-31	721.45	5/31/2021	ND	26.94	0.00	694.51
MW-31	721.45	6/7/2021	ND	26.90	0.00	694.55
MW-31	721.45	6/14/2021	ND	26.92	0.00	694.53
MW-31	721.45	6/21/2021	ND	26.95	0.00	694.50
MW-31	721.45	7/1/2021	ND	26.98	0.00	694.47
MW-31	721.45	7/6/2021	ND	27.06	0.00	694.39
MW-31	721.45	7/14/2021	ND	27.16	0.00	694.29
MW-31	721.45	7/28/2021	ND	27.09	0.00	694.36
MW-31	721.45	8/2/2021	ND	27.17	0.00	694.28
MW-31	721.45	8/16/2021	ND	27.24	0.00	694.21
MW-31	721.45	8/26/2021	ND	27.11	0.00	694.34
MW-31	721.45	8/30/2021	ND	27.15	0.00	694.30
MW-31	721.45	9/14/2021	ND	27.39	0.00	694.06
MW-31	721.45	9/23/2021	ND	27.58	0.00	693.87
MW-31	721.45	10/6/2021	ND	27.69	0.00	693.76
MW-31	721.45	10/12/2021	ND	27.81	0.00	693.64
MW-31	721.45	10/18/2021	ND	27.93	0.00	693.52
MW-32	691.78	9/14/2020	ND	16.19	0.00	675.59
MW-32	691.78	9/18/2020	ND	16.06	0.00	675.72
MW-32	691.78	9/28/2020	ND	15.63	0.00	676.15
MW-32	691.78	10/3/2020	ND	15.73	0.00	676.05
MW-32	691.78	10/19/2020	ND	15.09	0.00	676.69
MW-32	691.78	10/26/2020	ND	14.98	0.00	676.80
MW-32	691.78	11/9/2020	ND	14.57	0.00	677.21
MW-32	691.78	11/18/2020	ND	14.38	0.00	677.40
MW-32	691.78	11/23/2020	ND	14.11	0.00	677.67
MW-32	691.78	12/7/2020	ND	13.60	0.00	678.18
MW-32	691.78	12/21/2020	ND	13.31	0.00	678.47
MW-32	691.78	12/26/2020	ND	13.47	0.00	678.31
MW-32	691.78	1/10/2021	ND	13.21	0.00	678.57
MW-32	691.78	1/19/2021	ND	13.16	0.00	678.62
MW-32	691.78	1/25/2021	ND	12.82	0.00	678.96
MW-32	691.78	2/1/2021	ND	12.35	0.00	679.43
MW-32	691.78	2/8/2021	ND	12.72	0.00	679.06
MW-32	691.78	2/16/2021	ND	11.97	0.00	679.81
MW-32	691.78	2/22/2021	ND	11.70	0.00	680.08

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-32	691.78	3/4/2021	ND	11.47	0.00	680.31
MW-32	691.78	3/8/2021	ND	11.84	0.00	679.94
MW-32	691.78	3/15/2021	ND	11.67	0.00	680.11
MW-32	691.78	3/22/2021	ND	11.22	0.00	680.56
MW-32	691.78	4/1/2021	ND	10.69	0.00	681.09
MW-32	691.78	4/12/2021	ND	10.61	0.00	681.17
MW-32	691.78	4/19/2021	ND	10.83	0.00	680.95
MW-32	691.78	4/29/2021	ND	11.14	0.00	680.64
MW-32	691.78	5/3/2021	ND	11.30	0.00	680.48
MW-32	691.78	5/10/2021	ND	11.65	0.00	680.13
MW-32	691.78	5/18/2021	ND	12.14	0.00	679.64
MW-32	691.78	5/26/2021	ND	12.59	0.00	679.19
MW-32	691.78	5/31/2021	ND	13.08	0.00	678.70
MW-32	691.78	6/7/2021	ND	13.29	0.00	678.49
MW-32	691.78	6/14/2021	ND	13.14	0.00	678.64
MW-32	691.78	6/21/2021	ND	13.45	0.00	678.33
MW-32	691.78	7/1/2021	ND	13.70	0.00	678.08
MW-32	691.78	7/6/2021	ND	14.03	0.00	677.75
MW-32	691.78	7/14/2021	ND	14.30	0.00	677.48
MW-32	691.78	7/28/2021	ND	14.22	0.00	677.56
MW-32	691.78	8/2/2021	ND	14.56	0.00	677.22
MW-32	691.78	8/16/2021	ND	15.14	0.00	676.64
MW-32	691.78	8/26/2021	ND	15.34	0.00	676.44
MW-32	691.78	8/30/2021	ND	15.46	0.00	676.32
MW-32	691.78	9/14/2021	ND	16.21	0.00	675.57
MW-32	691.78	9/23/2021	ND	16.50	0.00	675.28
MW-32	691.78	10/6/2021	ND	17.02	0.00	674.76
MW-32	691.78	10/12/2021	ND	17.10	0.00	674.68
MW-32	691.78	10/18/2021	ND	17.42	0.00	674.36
MW-33	686.70	9/14/2020	ND	13.20	0.00	673.50
MW-33	686.70	9/18/2020	ND	13.03	0.00	673.67
MW-33	686.70	9/28/2020	ND	12.63	0.00	674.07
MW-33	686.70	10/3/2020	ND	12.76	0.00	673.94
MW-33	686.70	10/19/2020	ND	12.12	0.00	674.58
MW-33	686.70	10/26/2020	ND	12.03	0.00	674.67
MW-33	686.70	11/9/2020	ND	11.58	0.00	675.12
MW-33	686.70	11/18/2020	ND	11.30	0.00	675.40
MW-33	686.70	11/23/2020	ND	11.13	0.00	675.57
MW-33	686.70	12/7/2020	ND	10.53	0.00	676.17
MW-33	686.70	12/21/2020	ND	10.18	0.00	676.52
MW-33	686.70	12/26/2020	ND	10.23	0.00	676.47
MW-33	686.70	1/10/2021	ND	9.99	0.00	676.71

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-33	686.70	1/19/2021	ND	10.02	0.00	676.68
MW-33	686.70	1/25/2021	ND	9.77	0.00	676.93
MW-33	686.70	2/1/2021	ND	9.15	0.00	677.55
MW-33	686.70	2/8/2021	ND	9.49	0.00	677.21
MW-33	686.70	2/16/2021	ND	8.61	0.00	678.09
MW-33	686.70	2/22/2021	ND	8.36	0.00	678.34
MW-33	686.70	3/4/2021	ND	8.19	0.00	678.51
MW-33	686.70	3/8/2021	ND	8.65	0.00	678.05
MW-33	686.70	3/15/2021	ND	8.62	0.00	678.08
MW-33	686.70	3/22/2021	ND	8.00	0.00	678.70
MW-33	686.70	4/1/2021	ND	7.40	0.00	679.30
MW-33	686.70	4/12/2021	ND	7.66	0.00	679.04
MW-33	686.70	4/19/2021	ND	8.03	0.00	678.67
MW-33	686.70	4/29/2021	ND	8.42	0.00	678.28
MW-33	686.70	5/3/2021	ND	8.61	0.00	678.09
MW-33	686.70	5/10/2021	ND	8.98	0.00	677.72
MW-33	686.70	5/18/2021	ND	9.45	0.00	677.25
MW-33	686.70	5/26/2021	ND	10.04	0.00	676.66
MW-33	686.70	5/31/2021	ND	10.53	0.00	676.17
MW-33	686.70	6/7/2021	ND	10.66	0.00	676.04
MW-33	686.70	6/14/2021	ND	10.51	0.00	676.19
MW-33	686.70	6/21/2021	ND	10.80	0.00	675.90
MW-33	686.70	7/1/2021	ND	11.15	0.00	675.55
MW-33	686.70	7/6/2021	ND	11.51	0.00	675.19
MW-33	686.70	7/14/2021	ND	11.90	0.00	674.80
MW-33	686.70	7/28/2021	ND	11.62	0.00	675.08
MW-33	686.70	8/2/2021	ND	12.03	0.00	674.67
MW-33	686.70	8/16/2021	ND	12.59	0.00	674.11
MW-33	686.70	8/26/2021	ND	12.78	0.00	673.92
MW-33	686.70	8/30/2021	ND	13.03	0.00	673.67
MW-33	686.70	9/14/2021	ND	14.06	0.00	672.64
MW-33	686.70	9/23/2021	ND	13.98	0.00	672.72
MW-33	686.70	10/6/2021	ND	14.64	0.00	672.06
MW-33	686.70	10/12/2021	ND	14.55	0.00	672.15
MW-33	686.70	10/18/2021	ND	14.92	0.00	671.78
MW-34	683.89	9/14/2020	ND	10.89	0.00	673.00
MW-34	683.89	9/18/2020	ND	10.60	0.00	673.29
MW-34	683.89	9/28/2020	ND	10.25	0.00	673.64
MW-34	683.89	10/3/2020	ND	10.47	0.00	673.42
MW-34	683.89	10/19/2020	ND	9.77	0.00	674.12
MW-34	683.89	10/21/2020	ND	11.77	0.00	672.12
MW-34	683.89	10/26/2020	ND	9.70	0.00	674.19

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-34	683.89	11/9/2020	ND	9.18	0.00	674.71
MW-34	683.89	11/18/2020	ND	8.93	0.00	674.96
MW-34	683.89	11/23/2020	ND	8.75	0.00	675.14
MW-34	683.89	12/7/2020	ND	8.10	0.00	675.79
MW-34	683.89	12/21/2020	ND	7.74	0.00	676.15
MW-34	683.89	12/26/2020	ND	7.80	0.00	676.09
MW-34	683.89	1/10/2021	ND	7.61	0.00	676.28
MW-34	683.89	1/19/2021	ND	7.69	0.00	676.20
MW-34	683.89	1/25/2021	ND	7.44	0.00	676.45
MW-34	683.89	2/1/2021	ND	6.71	0.00	677.18
MW-34	683.89	2/8/2021	ND	7.06	0.00	676.83
MW-34	683.89	2/16/2021	ND	6.17	0.00	677.72
MW-34	683.89	2/22/2021	ND	5.95	0.00	677.94
MW-34	683.89	3/4/2021	ND	5.85	0.00	678.04
MW-34	683.89	3/8/2021	ND	6.32	0.00	677.57
MW-34	683.89	3/15/2021	ND	6.32	0.00	677.57
MW-34	683.89	3/22/2021	ND	5.63	0.00	678.26
MW-34	683.89	4/1/2021	ND	5.04	0.00	678.85
MW-34	683.89	4/12/2021	ND	5.39	0.00	678.50
MW-34	683.89	4/19/2021	ND	5.75	0.00	678.14
MW-34	683.89	4/29/2021	ND	6.20	0.00	677.69
MW-34	683.89	5/3/2021	ND	6.34	0.00	677.55
MW-34	683.89	5/10/2021	ND	6.77	0.00	677.12
MW-34	683.89	5/18/2021	ND	7.24	0.00	676.65
MW-34	683.89	5/26/2021	ND	7.88	0.00	676.01
MW-34	683.89	5/31/2021	ND	8.31	0.00	675.58
MW-34	683.89	6/7/2021	ND	8.46	0.00	675.43
MW-34	683.89	6/14/2021	ND	8.24	0.00	675.65
MW-34	683.89	6/21/2021	ND	8.53	0.00	675.36
MW-34	683.89	7/1/2021	ND	8.96	0.00	674.93
MW-34	683.89	7/6/2021	ND	9.27	0.00	674.62
MW-34	683.89	7/14/2021	ND	9.82	0.00	674.07
MW-34	683.89	7/28/2021	ND	9.37	0.00	674.52
MW-34	683.89	8/2/2021	ND	9.87	0.00	674.02
MW-34	683.89	8/16/2021	ND	10.34	0.00	673.55
MW-34	683.89	8/26/2021	ND	10.55	0.00	673.34
MW-34	683.89	8/30/2021	ND	10.91	0.00	672.98
MW-34	683.89	9/14/2021	ND	11.97	0.00	671.92
MW-34	683.89	9/23/2021	ND	11.70	0.00	672.19
MW-34	683.89	10/6/2021	ND	12.41	0.00	671.48
MW-34	683.89	10/12/2021	ND	12.23	0.00	671.66
MW-34	683.89	10/18/2021	ND	12.65	0.00	671.24

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-35	707.14	9/14/2020	ND	26.78	0.00	680.36
MW-35	707.14	9/18/2020	ND	26.78	0.00	680.36
MW-35	707.14	9/28/2020	ND	26.52	0.00	680.62
MW-35	707.14	10/3/2020	ND	26.48	0.00	680.66
MW-35	707.14	10/19/2020	ND	25.90	0.00	681.24
MW-35	707.14	10/26/2020	ND	25.76	0.00	681.38
MW-35	707.14	11/9/2020	ND	25.48	0.00	681.66
MW-35	707.14	11/18/2020	ND	25.11	0.00	682.03
MW-35	707.14	11/23/2020	ND	25.00	0.00	682.14
MW-35	707.14	12/7/2020	ND	24.62	0.00	682.52
MW-35	707.14	12/21/2020	ND	24.35	0.00	682.79
MW-35	707.14	12/26/2020	ND	24.15	0.00	682.99
MW-35	707.14	1/10/2021	ND	23.81	0.00	683.33
MW-35	707.14	1/19/2021	ND	23.70	0.00	683.44
MW-35	707.14	1/25/2021	ND	23.54	0.00	683.60
MW-35	707.14	2/1/2021	ND	23.32	0.00	683.82
MW-35	707.14	2/8/2021	ND	23.25	0.00	683.89
MW-35	707.14	2/16/2021	ND	22.71	0.00	684.43
MW-35	707.14	2/22/2021	ND	22.16	0.00	684.98
MW-35	707.14	3/4/2021	ND	21.80	0.00	685.34
MW-35	707.14	3/8/2021	ND	21.96	0.00	685.18
MW-35	707.14	3/15/2021	ND	21.98	0.00	685.16
MW-35	707.14	3/22/2021	ND	21.55	0.00	685.59
MW-35	707.14	4/1/2021	ND	20.83	0.00	686.31
MW-35	707.14	4/12/2021	ND	20.75	0.00	686.39
MW-35	707.14	4/19/2021	ND	21.08	0.00	686.06
MW-35	707.14	4/29/2021	ND	21.53	0.00	685.61
MW-35	707.14	5/3/2021	ND	21.68	0.00	685.46
MW-35	707.14	5/10/2021	ND	22.05	0.00	685.09
MW-35	707.14	5/18/2021	ND	22.42	0.00	684.72
MW-35	707.14	5/26/2021	ND	22.79	0.00	684.35
MW-35	707.14	5/31/2021	ND	23.13	0.00	684.01
MW-35	707.14	6/7/2021	ND	23.43	0.00	683.71
MW-35	707.14	6/14/2021	ND	23.64	0.00	683.50
MW-35	707.14	6/21/2021	ND	23.95	0.00	683.19
MW-35	707.14	7/1/2021	ND	24.30	0.00	682.84
MW-35	707.14	7/6/2021	ND	24.51	0.00	682.63
MW-35	707.14	7/14/2021	ND	24.76	0.00	682.38
MW-35	707.14	7/28/2021	ND	25.09	0.00	682.05
MW-35	707.14	8/2/2021	ND	25.34	0.00	681.80
MW-35	707.14	8/16/2021	ND	25.96	0.00	681.18
MW-35	707.14	8/26/2021	ND	26.30	0.00	680.84

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-35	707.14	8/30/2021	ND	26.48	0.00	680.66
MW-35	707.14	9/14/2021	ND	27.19	0.00	679.95
MW-35	707.14	9/23/2021	ND	27.62	0.00	679.52
MW-35	707.14	10/6/2021	ND	28.14	0.00	679.00
MW-35	707.14	10/12/2021	ND	28.41	0.00	678.73
MW-35	707.14	10/18/2021	ND	28.71	0.00	678.43
MW-36	710.54	9/14/2020	ND	28.62	0.00	681.92
MW-36	710.54	9/18/2020	ND	28.61	0.00	681.93
MW-36	710.54	9/28/2020	ND	28.35	0.00	682.19
MW-36	710.54	10/3/2020	ND	28.31	0.00	682.23
MW-36	710.54	10/19/2020	ND	27.73	0.00	682.81
MW-36	710.54	10/26/2020	ND	27.64	0.00	682.90
MW-36	710.54	11/9/2020	ND	27.44	0.00	683.10
MW-36	710.54	11/18/2020	ND	27.05	0.00	683.49
MW-36	710.54	11/23/2020	ND	26.92	0.00	683.62
MW-36	710.54	12/7/2020	ND	26.57	0.00	683.97
MW-36	710.54	12/21/2020	ND	26.29	0.00	684.25
MW-36	710.54	12/26/2020	ND	26.13	0.00	684.41
MW-36	710.54	1/10/2021	ND	25.82	0.00	684.72
MW-36	710.54	1/19/2021	ND	25.68	0.00	684.86
MW-36	710.54	1/25/2021	ND	25.56	0.00	684.98
MW-36	710.54	2/1/2021	ND	25.31	0.00	685.23
MW-36	710.54	2/8/2021	ND	25.21	0.00	685.33
MW-36	710.54	2/16/2021	ND	24.60	0.00	685.94
MW-36	710.54	2/22/2021	ND	23.99	0.00	686.55
MW-36	710.54	3/4/2021	ND	23.70	0.00	686.84
MW-36	710.54	3/8/2021	ND	23.93	0.00	686.61
MW-36	710.54	3/11/2021	ND	23.94	0.00	686.60
MW-36	710.54	3/15/2021	ND	23.99	0.00	686.55
MW-36	710.54	3/22/2021	ND	23.46	0.00	687.08
MW-36	710.54	4/1/2021	ND	22.66	0.00	687.88
MW-36	710.54	4/12/2021	ND	22.85	0.00	687.69
MW-36	710.54	4/19/2021	ND	23.27	0.00	687.27
MW-36	710.54	4/29/2021	ND	23.87	0.00	686.67
MW-36	710.54	5/3/2021	ND	24.04	0.00	686.50
MW-36	710.54	5/10/2021	ND	24.45	0.00	686.09
MW-36	710.54	5/18/2021	ND	24.81	0.00	685.73
MW-36	710.54	5/26/2021	ND	25.09	0.00	685.45
MW-36	710.54	5/31/2021	ND	25.45	0.00	685.09
MW-36	710.54	6/7/2021	ND	25.75	0.00	684.79
MW-36	710.54	6/14/2021	ND	25.97	0.00	684.57
MW-36	710.54	6/21/2021	ND	26.29	0.00	684.25

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-36	710.54	7/1/2021	ND	26.58	0.00	683.96
MW-36	710.54	7/6/2021	ND	26.79	0.00	683.75
MW-36	710.54	7/14/2021	ND	27.00	0.00	683.54
MW-36	710.54	7/28/2021	ND	21.79	0.00	688.75
MW-36	710.54	8/2/2021	ND	27.72	0.00	682.82
MW-36	710.54	8/16/2021	ND	28.35	0.00	682.19
MW-36	710.54	8/26/2021	ND	28.69	0.00	681.85
MW-36	710.54	8/30/2021	ND	28.94	0.00	681.60
MW-36	710.54	9/14/2021	ND	29.69	0.00	680.85
MW-36	710.54	9/23/2021	ND	30.04	0.00	680.50
MW-36	710.54	10/6/2021	ND	30.72	0.00	679.82
MW-36	710.54	10/12/2021	ND	31.04	0.00	679.50
MW-36	710.54	10/18/2021	ND	31.35	0.00	679.19
MW-37	714.94	9/14/2020	ND	26.90	0.00	688.04
MW-37	714.94	9/18/2020	ND	26.92	0.00	688.02
MW-37	714.94	9/28/2020	ND	26.99	0.00	687.95
MW-37	714.94	10/3/2020	ND	27.14	0.00	687.80
MW-37	714.94	10/19/2020	ND	27.18	0.00	687.76
MW-37	714.94	10/26/2020	ND	27.21	0.00	687.73
MW-37	714.94	11/9/2020	ND	27.16	0.00	687.78
MW-37	714.94	11/18/2020	ND	27.18	0.00	687.76
MW-37	714.94	11/23/2020	ND	27.12	0.00	687.82
MW-37	714.94	12/7/2020	ND	26.90	0.00	688.04
MW-37	714.94	12/21/2020	ND	26.85	0.00	688.09
MW-37	714.94	12/26/2020	ND	26.89	0.00	688.05
MW-37	714.94	1/10/2021	ND	26.69	0.00	688.25
MW-37	714.94	1/19/2021	ND	26.61	0.00	688.33
MW-37	714.94	1/25/2021	26.38	26.60	0.22	688.50
MW-37	714.94	2/1/2021	26.08	26.99	0.91	688.62
MW-37	714.94	2/8/2021	25.74	28.73	2.99	688.40
MW-37	714.94	2/16/2021	24.25	31.24	6.99	688.82
MW-37	710.54	2/22/2021	ND	26.35	0.00	684.19
MW-37	710.54	3/4/2021	ARP	ARP	ARP	ARP
MW-37	710.54	3/8/2021	ARP	ARP	ARP	ARP
MW-37	710.54	3/15/2021	ARP	ARP	ARP	ARP
MW-37	710.54	3/22/2021	ARP	ARP	ARP	ARP
MW-37	710.54	4/1/2021	24.38	25.77	1.39	685.79
MW-37	714.37	4/12/2021	ARP	ARP	ARP	ARP
MW-37	714.37	4/19/2021	ARP	ARP	ARP	ARP
MW-37	714.37	4/29/2021	24.44	25.77	1.33	689.57
MW-37	714.37	5/3/2021	ARP	ARP	ARP	ARP
MW-37	714.37	5/10/2021	ARP	ARP	ARP	ARP

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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-37	714.37	5/18/2021	ARP	ARP	ARP	ARP
MW-37	714.37	5/26/2021	25.14	26.43	1.29	688.88
MW-37	714.37	5/31/2021	ARP	ARP	ARP	ARP
MW-37	714.37	6/7/2021	ARP	ARP	ARP	ARP
MW-37	714.37	6/14/2021	ARP	ARP	ARP	ARP
MW-37	714.37	6/21/2021	ARP	ARP	ARP	ARP
MW-37	714.37	7/1/2021	25.99	27.81	1.82	687.89
MW-37	714.37	7/6/2021	ARP	ARP	ARP	ARP
MW-37	714.37	7/14/2021	26.39	28.16	1.77	687.51
MW-37	714.37	7/28/2021	26.84	28.87	2.03	686.99
MW-37	714.37	8/16/2021	ARP	ARP	ARP	ARP
MW-37	714.37	8/26/2021	28.27	30.45	2.18	685.52
MW-37	714.37	8/30/2021	ARP	ARP	ARP	ARP
MW-37	714.37	9/16/2021	28.87	32.57	3.70	684.51
MW-37R	714.37	9/23/2021	28.62	31.40	2.78	685.01
MW-37R	714.37	10/6/2021	ARP	ARP	ARP	ARP
MW-37R	714.37	10/12/2021	ARP	ARP	ARP	ARP
MW-37R	714.37	10/18/2021	ARP	ARP	ARP	ARP
MW-38	726.74	9/14/2020	ND	37.56	0.00	689.18
MW-38	726.74	9/18/2020	ND	37.66	0.00	689.08
MW-38	726.74	9/28/2020	ND	37.45	0.00	689.29
MW-38	726.74	10/3/2020	ND	37.55	0.00	689.19
MW-38	726.74	10/19/2020	ND	37.65	0.00	689.09
MW-38	726.74	10/26/2020	ND	37.71	0.00	689.03
MW-38	726.74	11/9/2020	ND	37.80	0.00	688.94
MW-38	726.74	11/18/2020	ND	37.90	0.00	688.84
MW-38	726.74	11/23/2020	ND	37.91	0.00	688.83
MW-38	726.74	12/7/2020	ND	37.87	0.00	688.87
MW-38	726.74	12/21/2020	ND	38.18	0.00	688.56
MW-38	726.74	12/26/2020	ND	38.23	0.00	688.51
MW-38	726.74	1/10/2021	ND	38.54	0.00	688.20
MW-38	726.74	1/19/2021	ND	39.13	0.00	687.61
MW-38	726.74	1/25/2021	ND	39.23	0.00	687.51
MW-38	726.74	2/1/2021	ND	39.28	0.00	687.46
MW-38	726.74	2/8/2021	ND	39.65	0.00	687.09
MW-38	726.74	2/16/2021	ND	39.38	0.00	687.36
MW-38	726.74	2/22/2021	ND	39.31	0.00	687.43
MW-38	726.74	3/4/2021	ND	39.06	0.00	687.68
MW-38	726.74	3/8/2021	ND	39.23	0.00	687.51
MW-38	726.74	3/15/2021	ND	39.27	0.00	687.47
MW-38	726.74	3/22/2021	ND	39.21	0.00	687.53
MW-38	726.74	4/1/2021	ND	39.08	0.00	687.66

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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-38	726.74	4/12/2021	ND	39.10	0.00	687.64
MW-38	726.74	4/19/2021	ND	39.11	0.00	687.63
MW-38	726.74	4/29/2021	ND	39.01	0.00	687.73
MW-38	726.74	5/3/2021	ND	39.16	0.00	687.58
MW-38	726.74	5/10/2021	ND	39.07	0.00	687.67
MW-38	726.74	5/18/2021	ND	39.40	0.00	687.34
MW-38	726.74	5/26/2021	ND	39.11	0.00	687.63
MW-38	726.74	5/31/2021	ND	39.40	0.00	687.34
MW-38	726.74	6/7/2021	ND	39.53	0.00	687.21
MW-38	726.74	6/14/2021	ND	39.69	0.00	687.05
MW-38	726.74	6/21/2021	ND	39.75	0.00	686.99
MW-38	726.74	7/1/2021	ND	39.49	0.00	687.25
MW-38	726.74	7/6/2021	ND	39.82	0.00	686.92
MW-38	726.74	7/14/2021	ND	39.95	0.00	686.79
MW-38	726.74	7/28/2021	ND	40.37	0.00	686.37
MW-38	726.74	8/2/2021	ND	41.05	0.00	685.69
MW-38	726.74	8/16/2021	ND	41.30	0.00	685.44
MW-38	726.74	8/26/2021	ND	40.93	0.00	685.81
MW-38	726.74	8/30/2021	ND	41.66	0.00	685.08
MW-38	726.74	9/14/2021	42.01	42.38	0.37	684.63
MW-38	726.74	9/16/2021	41.49	41.96	0.47	685.12
MW-38	726.74	9/23/2021	41.53	42.61	1.08	684.92
MW-38	726.74	10/6/2021	ARP	ARP	ARP	ARP
MW-38	726.74	10/12/2021	ARP	ARP	ARP	ARP
MW-38	726.74	10/18/2021	ARP	ARP	ARP	ARP
MW-39	738.13	9/14/2020	ND	41.90	0.00	696.23
MW-39	738.13	9/18/2020	ND	38.31	0.00	699.82
MW-39	738.13	9/28/2020	ND	38.33	0.00	699.80
MW-39	738.13	10/3/2020	ND	38.58	0.00	699.55
MW-39	738.13	10/19/2020	38.51	39.71	1.20	699.30
MW-39	738.13	11/9/2020	38.48	39.04	0.56	699.50
MW-39	738.13	11/18/2020	ARP	ARP	ARP	ARP
MW-39	738.13	11/23/2020	37.85	38.95	1.10	699.98
MW-39	738.13	12/7/2020	ARP	ARP	ARP	ARP
MW-39	738.13	12/21/2020	ARP	ARP	ARP	ARP
MW-39	738.13	12/26/2020	30.20	30.31	0.11	707.90
MW-39	738.13	1/10/2021	ARP	ARP	ARP	ARP
MW-39	738.13	1/19/2021	ARP	ARP	ARP	ARP
MW-39	738.13	1/25/2021	ARP	ARP	ARP	ARP
MW-39	738.13	2/1/2021	39.66	39.95	0.29	698.39
MW-39	738.13	2/8/2021	ARP	ARP	ARP	ARP
MW-39	738.13	2/16/2021	ARP	ARP	ARP	ARP

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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-39	738.13	2/22/2021	ARP	ARP	ARP	ARP
MW-39	738.13	3/4/2021	ND	40.02	0.00	698.11
MW-39	738.13	3/8/2021	ARP	ARP	ARP	ARP
MW-39	738.13	3/15/2021	ARP	ARP	ARP	ARP
MW-39	738.13	3/22/2021	ARP	ARP	ARP	ARP
MW-39	733.86	4/1/2021	40.24	40.97	0.73	693.42
MW-39	733.86	4/12/2021	ARP	ARP	ARP	ARP
MW-39	733.86	4/19/2021	ARP	ARP	ARP	ARP
MW-39	733.86	4/29/2021	40.15	40.18	0.03	693.70
MW-39	733.86	5/3/2021	ARP	ARP	ARP	ARP
MW-39	733.86	5/10/2021	ARP	ARP	ARP	ARP
MW-39	733.86	5/18/2021	ARP	ARP	ARP	ARP
MW-39	733.86	5/26/2021	40.79	40.82	0.03	693.06
MW-39	733.86	5/31/2021	ARP	ARP	ARP	ARP
MW-39	733.86	6/7/2021	ARP	ARP	ARP	ARP
MW-39	733.86	6/14/2021	ARP	ARP	ARP	ARP
MW-39	733.86	6/21/2021	ARP	ARP	ARP	ARP
MW-39	733.86	7/1/2021	41.60	42.15	0.55	692.11
MW-39	733.86	7/6/2021	ARP	ARP	ARP	ARP
MW-39	733.86	7/14/2021	41.95	42.81	0.86	691.68
MW-39	733.86	7/28/2021	42.15	42.50	0.35	691.62
MW-39	733.86	8/16/2021	ARP	ARP	ARP	ARP
MW-39	733.86	8/26/2021	42.88	43.20	0.32	690.89
MW-39	733.86	8/30/2021	ARP	ARP	ARP	ARP
MW-39	733.86	9/16/2021	43.33	43.77	0.44	690.41
MW-39	733.86	9/23/2021	43.39	43.87	0.48	690.34
MW-39	733.86	10/6/2021	ARP	ARP	ARP	ARP
MW-39	733.86	10/12/2021	ARP	ARP	ARP	ARP
MW-39	733.86	10/18/2021	ARP	ARP	ARP	ARP
MW-40	728.92	9/14/2020	ND	33.25	0.00	695.67
MW-40	728.92	9/18/2020	ND	33.21	0.00	695.71
MW-40	728.92	9/28/2020	ND	33.15	0.00	695.77
MW-40	728.92	10/3/2020	ND	33.22	0.00	695.70
MW-40	728.92	10/19/2020	ND	33.27	0.00	695.65
MW-40	728.92	10/26/2020	ND	33.32	0.00	695.60
MW-40	728.92	10/28/2020	ND	35.32	0.00	693.60
MW-40	728.92	11/9/2020	ND	33.47	0.00	695.45
MW-40	728.92	11/18/2020	Dry	Dry	Dry	Dry
MW-40	728.92	11/23/2020	ND	34.57	0.00	694.35
MW-40	728.92	12/7/2020	ND	33.56	0.00	695.36
MW-40	728.92	12/21/2020	33.70	33.73	0.03	695.21
MW-40	728.92	12/26/2020	ND	33.85	0.00	695.07

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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-40	728.92	1/10/2021	ND	33.95	0.00	694.97
MW-40	728.92	1/19/2021	33.73	34.36	0.63	695.02
MW-40	728.92	1/25/2021	33.61	34.59	0.98	695.05
MW-40	728.92	2/1/2021	33.48	34.99	1.51	695.04
MW-40	728.92	2/8/2021	33.64	35.78	2.14	694.71
MW-40	728.92	2/16/2021	33.27	36.12	2.85	694.89
MW-40	728.92	2/22/2021	32.90	37.31	4.41	694.84
MW-40	728.92	3/4/2021	32.26	39.39	7.13	694.75
MW-40	728.92	3/8/2021	32.45	39.64	7.19	694.55
MW-40	728.92	3/11/2021	33.51	39.18	5.67	693.89
MW-40	728.92	3/15/2021	32.43	39.48	7.05	694.60
MW-40	728.92	3/22/2021	32.39	39.42	7.03	694.65
MW-40	728.92	4/1/2021	32.37	39.43	7.06	694.66
MW-40	728.92	4/12/2021	32.12	38.05	5.93	695.21
MW-40	728.92	4/19/2021	32.04	38.90	6.86	695.04
MW-40	728.92	4/29/2021	32.47	37.64	5.17	695.07
MW-40	728.92	5/3/2021	32.52	37.45	4.93	695.08
MW-40	728.92	5/10/2021	33.31	38.25	4.94	694.29
MW-40	728.92	5/18/2021	34.95	37.32	2.37	693.34
MW-40	728.92	5/26/2021	33.59	35.98	2.39	694.69
MW-40	728.92	5/31/2021	35.38	36.37	0.99	693.28
MW-40	728.92	6/7/2021	35.72	36.48	0.76	693.00
MW-40	728.92	6/14/2021	35.76	36.20	0.44	693.04
MW-40	728.92	6/21/2021	33.89	35.23	1.34	694.67
MW-40	728.92	7/1/2021	34.31	35.30	0.99	694.35
MW-40	728.92	7/6/2021	36.24	36.85	0.61	692.52
MW-40	728.92	7/14/2021	34.42	35.84	1.42	694.12
MW-40	728.92	7/28/2021	34.54	35.76	1.22	694.05
MW-40	728.92	8/2/2021	36.50	36.51	0.01	692.42
MW-40	728.92	8/16/2021	36.40	36.53	0.13	692.49
MW-40	728.92	8/26/2021	35.09	36.10	1.01	693.56
MW-40	728.92	8/30/2021	36.53	36.65	0.12	692.36
MW-40	728.92	9/14/2021	36.70	36.85	0.15	692.18
MW-40	728.92	9/16/2021	35.37	36.36	0.99	693.29
MW-40	728.92	9/23/2021	35.44	36.35	0.91	693.24
MW-40	728.92	10/6/2021	36.93	37.11	0.18	691.94
MW-40	728.92	10/12/2021	36.96	37.23	0.27	691.89
MW-40	728.92	10/18/2021	NM	NM	NM	NM
MW-41	745.92	9/14/2020	ND	53.40	0.00	692.52
MW-41	745.92	9/18/2020	ND	53.40	0.00	692.52
MW-41	745.92	9/28/2020	ND	53.36	0.00	692.56
MW-41	745.92	10/3/2020	ND	53.49	0.00	692.43

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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-41	745.92	10/19/2020	ND	53.51	0.00	692.41
MW-41	745.92	10/26/2020	ND	53.49	0.00	692.43
MW-41	745.92	11/9/2020	ND	53.53	0.00	692.39
MW-41	745.92	11/18/2020	ND	53.63	0.00	692.29
MW-41	745.92	11/23/2020	ND	53.60	0.00	692.32
MW-41	745.92	12/7/2020	ND	53.54	0.00	692.38
MW-41	745.92	12/21/2020	ND	53.82	0.00	692.10
MW-41	745.92	12/26/2020	ND	53.77	0.00	692.15
MW-41	745.92	1/10/2021	ND	54.28	0.00	691.64
MW-41	745.92	1/19/2021	ND	54.35	0.00	691.57
MW-41	745.92	1/25/2021	ND	54.28	0.00	691.64
MW-41	745.92	2/1/2021	ND	54.22	0.00	691.70
MW-41	745.92	2/8/2021	ND	54.64	0.00	691.28
MW-41	745.92	2/16/2021	ND	54.20	0.00	691.72
MW-41	745.92	2/22/2021	ND	54.11	0.00	691.81
MW-41	745.92	3/4/2021	ND	54.09	0.00	691.83
MW-41	745.92	3/8/2021	ND	54.32	0.00	691.60
MW-41	745.92	3/15/2021	ND	54.50	0.00	691.42
MW-41	745.92	3/22/2021	ND	54.41	0.00	691.51
MW-41	745.92	4/1/2021	ND	54.34	0.00	691.58
MW-41	745.92	4/12/2021	ND	54.51	0.00	691.41
MW-41	745.92	4/19/2021	ND	54.55	0.00	691.37
MW-41	745.92	4/29/2021	ND	54.34	0.00	691.58
MW-41	745.92	5/3/2021	ND	54.40	0.00	691.52
MW-41	745.92	5/10/2021	ND	54.50	0.00	691.42
MW-41	745.92	5/18/2021	ND	54.52	0.00	691.40
MW-41	745.92	5/26/2021	ND	54.38	0.00	691.54
MW-41	745.92	5/31/2021	ND	54.67	0.00	691.25
MW-41	745.92	6/7/2021	ND	54.71	0.00	691.21
MW-41	745.92	6/14/2021	ND	54.43	0.00	691.49
MW-41	745.92	6/21/2021	ND	54.85	0.00	691.07
MW-41	745.92	7/1/2021	ND	54.82	0.00	691.10
MW-41	745.92	7/6/2021	ND	55.18	0.00	690.74
MW-41	745.92	7/14/2021	ND	54.93	0.00	690.99
MW-41	745.92	7/28/2021	ND	55.36	0.00	690.56
MW-41	745.92	8/2/2021	ND	55.61	0.00	690.31
MW-41	745.92	8/16/2021	ND	55.70	0.00	690.22
MW-41	745.92	8/26/2021	ND	55.72	0.00	690.20
MW-41	745.92	8/30/2021	ND	56.09	0.00	689.83
MW-41	745.92	9/14/2021	ND	55.47	0.00	690.45
MW-41	745.92	9/23/2021	ND	56.38	0.00	689.54
MW-41	745.92	10/6/2021	ND	57.10	0.00	688.82

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MW-41	745.92	10/12/2021	ND	57.11	0.00	688.81
MW-41	745.92	10/18/2021	ND	57.29	0.00	688.63
MW-42	735.71	9/14/2020	ND	41.33	0.00	694.38
MW-42	735.71	9/18/2020	ND	38.15	0.00	697.56
MW-42	735.71	9/28/2020	ND	38.14	0.00	697.57
MW-42	735.71	10/3/2020	ND	38.25	0.00	697.46
MW-42	735.71	10/19/2020	ND	38.31	0.00	697.40
MW-42	735.71	10/26/2020	ND	38.36	0.00	697.35
MW-42	735.71	11/9/2020	ND	38.44	0.00	697.27
MW-42	735.71	11/18/2020	ND	38.57	0.00	697.14
MW-42	735.71	11/23/2020	ND	38.42	0.00	697.29
MW-42	735.71	12/7/2020	ND	38.40	0.00	697.31
MW-42	735.71	12/21/2020	ND	38.50	0.00	697.21
MW-42	735.71	12/26/2020	ND	38.61	0.00	697.10
MW-42	735.71	1/10/2021	ND	38.74	0.00	696.97
MW-42	735.71	1/19/2021	ND	38.71	0.00	697.00
MW-42	735.71	1/25/2021	ND	38.93	0.00	696.78
MW-42	735.71	2/1/2021	ND	38.97	0.00	696.74
MW-42	735.71	2/8/2021	ND	39.26	0.00	696.45
MW-42	735.71	2/16/2021	ND	39.10	0.00	696.61
MW-42	735.71	2/22/2021	ND	39.13	0.00	696.58
MW-42	732.48	3/4/2021	ND	39.05	0.00	693.43
MW-42	732.48	3/8/2021	ND	39.29	0.00	693.19
MW-42	732.48	3/15/2021	ND	39.53	0.00	692.95
MW-42	732.48	3/22/2021	ND	39.61	0.00	692.87
MW-42	732.48	4/1/2021	ND	39.22	0.00	693.26
MW-42	732.48	4/12/2021	ND	38.98	0.00	693.50
MW-42	732.48	4/19/2021	ND	39.00	0.00	693.48
MW-42	732.48	4/29/2021	ND	38.92	0.00	693.56
MW-42	732.48	5/3/2021	ND	38.83	0.00	693.65
MW-42	732.48	5/10/2021	ND	39.17	0.00	693.31
MW-42	732.48	5/18/2021	ND	39.79	0.00	692.69
MW-42	732.48	5/26/2021	ND	39.67	0.00	692.81
MW-42	732.48	5/31/2021	ND	40.29	0.00	692.19
MW-42	732.48	6/7/2021	ND	40.41	0.00	692.07
MW-42	732.48	6/14/2021	ND	40.54	0.00	691.94
MW-42	732.48	6/21/2021	ND	40.62	0.00	691.86
MW-42	732.48	7/1/2021	ND	40.55	0.00	691.93
MW-42	732.48	7/6/2021	ND	40.20	0.00	692.28
MW-42	732.48	7/14/2021	ND	41.04	0.00	691.44
MW-42	732.48	7/28/2021	ND	41.52	0.00	690.96
MW-42	732.48	8/2/2021	ND	41.75	0.00	690.73

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-42	732.48	8/16/2021	ND	41.90	0.00	690.58
MW-42	732.48	8/26/2021	ND	41.74	0.00	690.74
MW-42	732.48	8/30/2021	ND	42.17	0.00	690.31
MW-42	732.48	9/14/2021	ND	42.49	0.00	689.99
MW-42	732.48	9/23/2021	ND	42.29	0.00	690.19
MW-42	732.48	10/6/2021	ND	42.91	0.00	689.57
MW-42	732.48	10/12/2021	ND	43.09	0.00	689.39
MW-42	732.48	10/18/2021	ND	43.23	0.00	689.25
MW-43	729.80	9/14/2020	ND	38.27	0.00	691.53
MW-43	729.80	9/18/2020	ND	38.30	0.00	691.50
MW-43	729.80	9/28/2020	ND	38.33	0.00	691.47
MW-43	729.80	10/3/2020	ND	38.52	0.00	691.28
MW-43	729.80	10/19/2020	ND	38.49	0.00	691.31
MW-43	729.80	10/26/2020	ND	38.52	0.00	691.28
MW-43	729.80	11/9/2020	ND	38.49	0.00	691.31
MW-43	729.80	11/18/2020	ND	38.55	0.00	691.25
MW-43	729.80	11/23/2020	ND	39.51	0.00	690.29
MW-43	729.80	12/7/2020	ND	38.40	0.00	691.40
MW-43	729.80	12/21/2020	ND	38.50	0.00	691.30
MW-43	729.80	12/26/2020	ND	38.58	0.00	691.22
MW-43	729.80	1/10/2021	ND	38.60	0.00	691.20
MW-43	729.80	1/19/2021	ND	38.70	0.00	691.10
MW-43	729.80	1/25/2021	ND	48.67	0.00	681.13
MW-43	729.80	2/1/2021	ND	38.74	0.00	691.06
MW-43	729.80	2/8/2021	ND	39.01	0.00	690.79
MW-43	729.80	2/16/2021	ND	38.84	0.00	690.96
MW-43	729.80	2/22/2021	ND	38.78	0.00	691.02
MW-43	729.80	3/4/2021	ND	38.65	0.00	691.15
MW-43	729.80	3/8/2021	ND	38.84	0.00	690.96
MW-43	729.80	3/15/2021	ND	38.78	0.00	691.02
MW-43	729.80	3/22/2021	ND	38.71	0.00	691.09
MW-43	729.80	4/1/2021	ND	38.61	0.00	691.19
MW-43	729.80	4/12/2021	ND	38.44	0.00	691.36
MW-43	729.80	4/19/2021	ND	38.44	0.00	691.36
MW-43	729.80	4/29/2021	ND	38.32	0.00	691.48
MW-43	729.80	5/3/2021	ND	38.23	0.00	691.57
MW-43	729.80	5/10/2021	ND	38.23	0.00	691.57
MW-43	729.80	5/18/2021	ND	38.17	0.00	691.63
MW-43	729.80	5/26/2021	ND	38.10	0.00	691.70
MW-43	729.80	5/31/2021	ND	38.21	0.00	691.59
MW-43	729.80	6/7/2021	ND	28.16	0.00	701.64
MW-43	729.80	6/14/2021	ND	38.20	0.00	691.60

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-43	729.80	6/21/2021	ND	38.26	0.00	691.54
MW-43	729.80	7/1/2021	ND	38.36	0.00	691.44
MW-43	729.80	7/6/2021	ND	38.56	0.00	691.24
MW-43	729.80	7/14/2021	ND	38.68	0.00	691.12
MW-43	729.80	7/28/2021	ND	38.99	0.00	690.81
MW-43	729.80	8/2/2021	ND	39.08	0.00	690.72
MW-43	729.80	8/16/2021	ND	39.28	0.00	690.52
MW-43	729.80	8/26/2021	ND	39.40	0.00	690.40
MW-43	729.80	8/30/2021	ND	39.46	0.00	690.34
MW-43	729.80	9/14/2021	ND	39.74	0.00	690.06
MW-43	729.80	9/23/2021	ND	39.89	0.00	689.91
MW-43	729.80	10/6/2021	ND	40.13	0.00	689.67
MW-43	729.80	10/12/2021	ND	40.24	0.00	689.56
MW-43	729.80	10/18/2021	ND	40.39	0.00	689.41
MW-44	726.48	9/14/2020	ND	32.40	0.00	694.08
MW-44	726.48	9/18/2020	ND	32.53	0.00	693.95
MW-44	726.48	9/28/2020	ND	32.59	0.00	693.89
MW-44	726.48	10/3/2020	ND	32.64	0.00	693.84
MW-44	726.48	10/19/2020	ND	32.70	0.00	693.78
MW-44	726.48	10/21/2020	ND	34.70	0.00	691.78
MW-44	726.48	10/26/2020	ND	32.62	0.00	693.86
MW-44	726.48	11/9/2020	ND	32.67	0.00	693.81
MW-44	726.48	11/18/2020	ND	32.68	0.00	693.80
MW-44	726.48	11/23/2020	NM	NM	NM	NM
MW-44	726.48	12/7/2020	ND	32.50	0.00	693.98
MW-44	726.48	12/21/2020	ND	32.50	0.00	693.98
MW-44	726.48	12/26/2020	ND	32.50	0.00	693.98
MW-44	726.48	1/10/2021	ND	32.41	0.00	694.07
MW-44	726.48	1/19/2021	ND	32.35	0.00	694.13
MW-44	726.48	1/25/2021	ND	32.25	0.00	694.23
MW-44	726.48	2/1/2021	ND	32.18	0.00	694.30
MW-44	726.48	2/8/2021	ND	32.18	0.00	694.30
MW-44	726.48	2/16/2021	ND	32.18	0.00	694.30
MW-44	726.48	2/22/2021	ND	32.10	0.00	694.38
MW-44	726.48	3/4/2021	ND	31.96	0.00	694.52
MW-44	726.48	3/8/2021	ND	32.00	0.00	694.48
MW-44	726.48	3/15/2021	ND	31.88	0.00	694.60
MW-44	726.48	3/22/2021	ND	31.84	0.00	694.64
MW-44	726.48	4/1/2021	ND	31.71	0.00	694.77
MW-44	726.48	4/12/2021	ND	31.47	0.00	695.01
MW-44	726.48	4/19/2021	ND	31.38	0.00	695.10
MW-44	726.48	4/29/2021	ND	31.34	0.00	695.14

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-44	726.48	5/3/2021	ND	31.29	0.00	695.19
MW-44	726.48	5/10/2021	ND	31.30	0.00	695.18
MW-44	726.48	5/18/2021	ND	31.37	0.00	695.11
MW-44	726.48	5/26/2021	ND	31.37	0.00	695.11
MW-44	726.48	5/31/2021	ND	31.45	0.00	695.03
MW-44	726.48	6/7/2021	ND	31.47	0.00	695.01
MW-44	726.48	6/14/2021	ND	31.53	0.00	694.95
MW-44	726.48	6/21/2021	ND	31.58	0.00	694.90
MW-44	726.48	7/1/2021	ND	31.65	0.00	694.83
MW-44	726.48	7/6/2021	ND	31.73	0.00	694.75
MW-44	726.48	7/14/2021	ND	31.83	0.00	694.65
MW-44	726.48	7/28/2021	ND	31.92	0.00	694.56
MW-44	726.48	8/2/2021	ND	31.99	0.00	694.49
MW-44	726.48	8/16/2021	ND	32.15	0.00	694.33
MW-44	726.48	8/26/2021	ND	32.07	0.00	694.41
MW-44	726.48	8/30/2021	ND	32.17	0.00	694.31
MW-44	726.48	9/14/2021	ND	32.33	0.00	694.15
MW-44	726.48	9/23/2021	ND	32.46	0.00	694.02
MW-44	726.48	10/6/2021	ND	32.61	0.00	693.87
MW-44	726.48	10/12/2021	ND	32.74	0.00	693.74
MW-44	726.48	10/18/2021	ND	32.82	0.00	693.66
MW-45	729.41	9/14/2020	ND	35.28	0.00	694.13
MW-45	729.41	9/18/2020	ND	35.21	0.00	694.20
MW-45	729.41	9/28/2020	ND	35.29	0.00	694.12
MW-45	729.41	10/3/2020	ND	35.40	0.00	694.01
MW-45	729.41	10/19/2020	ND	35.38	0.00	694.03
MW-45	729.41	10/26/2020	ND	35.39	0.00	694.02
MW-45	729.41	11/9/2020	ND	35.37	0.00	694.04
MW-45	729.41	11/18/2020	ND	35.41	0.00	694.00
MW-45	729.41	11/23/2020	ND	35.27	0.00	694.14
MW-45	729.41	12/7/2020	ND	35.19	0.00	694.22
MW-45	729.41	12/21/2020	ND	35.24	0.00	694.17
MW-45	729.41	12/26/2020	ND	35.34	0.00	694.07
MW-45	729.41	1/10/2021	ND	35.35	0.00	694.06
MW-45	729.41	1/19/2021	ND	35.34	0.00	694.07
MW-45	729.41	1/25/2021	ND	35.18	0.00	694.23
MW-45	729.41	2/1/2021	ND	35.29	0.00	694.12
MW-45	729.41	2/8/2021	ND	35.59	0.00	693.82
MW-45	729.41	2/16/2021	ND	35.46	0.00	693.95
MW-45	729.41	2/22/2021	ND	35.32	0.00	694.09
MW-45	729.41	3/4/2021	ND	35.29	0.00	694.12
MW-45	729.41	3/8/2021	ND	35.36	0.00	694.05

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-45	729.41	3/15/2021	ND	35.36	0.00	694.05
MW-45	729.41	3/22/2021	ND	35.32	0.00	694.09
MW-45	729.41	4/1/2021	ND	35.13	0.00	694.28
MW-45	729.41	4/12/2021	ND	34.89	0.00	694.52
MW-45	729.41	4/19/2021	ND	34.85	0.00	694.56
MW-45	729.41	4/29/2021	ND	34.81	0.00	694.60
MW-45	729.41	5/3/2021	ND	34.77	0.00	694.64
MW-45	729.41	5/10/2021	ND	34.98	0.00	694.43
MW-45	729.41	5/18/2021	ND	35.35	0.00	694.06
MW-45	729.41	5/26/2021	ND	35.47	0.00	693.94
MW-45	729.41	5/31/2021	ND	35.78	0.00	693.63
MW-45	729.41	6/7/2021	ND	35.89	0.00	693.52
MW-45	729.41	6/14/2021	ND	36.11	0.00	693.30
MW-45	729.41	6/21/2021	ND	36.10	0.00	693.31
MW-45	729.41	7/1/2021	ND	36.37	0.00	693.04
MW-45	729.41	7/6/2021	ND	36.71	0.00	692.70
MW-45	729.41	7/14/2021	ND	36.86	0.00	692.55
MW-45	729.41	7/28/2021	ND	37.12	0.00	692.29
MW-45	729.41	8/2/2021	ND	37.35	0.00	692.06
MW-45	729.41	8/16/2021	ND	37.56	0.00	691.85
MW-45	729.41	8/26/2021	ND	37.67	0.00	691.74
MW-45	729.41	8/30/2021	ND	37.83	0.00	691.58
MW-45	729.41	9/14/2021	ND	38.08	0.00	691.33
MW-45	729.41	9/23/2021	ND	38.27	0.00	691.14
MW-45	729.41	10/6/2021	ND	38.54	0.00	690.87
MW-45	729.41	10/12/2021	ND	38.71	0.00	690.70
MW-45	729.41	10/18/2021	ND	38.89	0.00	690.52
MW-46	726.73	9/14/2020	ND	31.63	0.00	695.10
MW-46	726.73	9/18/2020	ND	31.63	0.00	695.10
MW-46	726.73	9/28/2020	ND	31.71	0.00	695.02
MW-46	726.73	10/3/2020	ND	31.82	0.00	694.91
MW-46	726.73	10/19/2020	ND	31.89	0.00	694.84
MW-46	726.73	10/26/2020	ND	31.88	0.00	694.85
MW-46	726.73	11/9/2020	ND	31.88	0.00	694.85
MW-46	726.73	11/18/2020	ND	31.91	0.00	694.82
MW-46	726.73	11/23/2020	ND	31.82	0.00	694.91
MW-46	726.73	12/7/2020	ND	31.71	0.00	695.02
MW-46	726.73	12/21/2020	ND	31.77	0.00	694.96
MW-46	726.73	12/26/2020	ND	31.85	0.00	694.88
MW-46	726.73	1/10/2021	ND	31.83	0.00	694.90
MW-46	726.73	1/19/2021	ND	31.81	0.00	694.92
MW-46	726.73	1/25/2021	ND	31.62	0.00	695.11

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-46	726.73	2/1/2021	ND	31.67	0.00	695.06
MW-46	726.73	2/8/2021	ND	31.98	0.00	694.75
MW-46	726.73	2/16/2021	ND	31.91	0.00	694.82
MW-46	726.73	2/22/2021	ND	31.83	0.00	694.90
MW-46	726.73	3/4/2021	ND	32.05	0.00	694.68
MW-46	726.73	3/8/2021	ND	32.27	0.00	694.46
MW-46	726.73	3/15/2021	ND	32.28	0.00	694.45
MW-46	726.73	3/22/2021	ND	32.23	0.00	694.50
MW-46	726.73	4/1/2021	ND	32.03	0.00	694.70
MW-46	726.73	4/12/2021	ND	31.74	0.00	694.99
MW-46	726.73	4/19/2021	ND	31.68	0.00	695.05
MW-46	726.73	4/29/2021	ND	31.60	0.00	695.13
MW-46	726.73	5/3/2021	ND	31.45	0.00	695.28
MW-46	726.73	5/10/2021	ND	31.70	0.00	695.03
MW-46	726.73	5/18/2021	ND	32.53	0.00	694.20
MW-46	726.73	5/26/2021	ND	32.57	0.00	694.16
MW-46	726.73	5/31/2021	ND	33.04	0.00	693.69
MW-46	726.73	6/7/2021	ND	33.25	0.00	693.48
MW-46	726.73	6/14/2021	ND	33.45	0.00	693.28
MW-46	726.73	6/21/2021	ND	33.76	0.00	692.97
MW-46	726.73	7/1/2021	ND	33.62	0.00	693.11
MW-46	726.73	7/6/2021	ND	33.69	0.00	693.04
MW-46	726.73	7/14/2021	ND	33.71	0.00	693.02
MW-46	726.73	7/28/2021	ND	33.87	0.00	692.86
MW-46	726.73	8/2/2021	ND	34.43	0.00	692.30
MW-46	726.73	8/16/2021	ND	34.78	0.00	691.95
MW-46	726.73	8/26/2021	ND	34.71	0.00	692.02
MW-46	726.73	8/30/2021	ND	35.01	0.00	691.72
MW-46	726.73	9/14/2021	ND	35.28	0.00	691.45
MW-46	726.73	9/23/2021	ND	35.21	0.00	691.52
MW-46	726.73	10/6/2021	ND	35.62	0.00	691.11
MW-46	726.73	10/12/2021	ND	35.82	0.00	690.91
MW-46	726.73	10/18/2021	ND	35.91	0.00	690.82
MW-47	726.77	9/14/2020	ND	30.88	0.00	695.89
MW-47	726.77	9/18/2020	ND	30.75	0.00	696.02
MW-47	726.77	9/28/2020	ND	30.74	0.00	696.03
MW-47	726.77	10/3/2020	30.54	30.88	0.34	696.14
MW-47	726.77	10/19/2020	25.61	27.85	2.24	700.56
MW-47	726.77	11/9/2020	25.51	27.78	2.27	700.65
MW-47	726.77	11/18/2020	ARP	ARP	ARP	ARP
MW-47	726.77	11/23/2020	25.51	27.75	2.24	700.66
MW-47	726.77	12/7/2020	ARP	ARP	ARP	ARP

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-47	726.77	12/21/2020	ARP	ARP	ARP	ARP
MW-47	726.77	12/26/2020	25.58	27.80	2.22	700.60
MW-47	726.77	1/10/2021	ARP	ARP	ARP	ARP
MW-47	726.77	1/19/2021	ARP	ARP	ARP	ARP
MW-47	726.77	1/25/2021	ARP	ARP	ARP	ARP
MW-47	726.77	2/1/2021	25.46	27.68	2.22	700.72
MW-47	726.77	2/8/2021	ARP	ARP	ARP	ARP
MW-47	726.77	2/16/2021	ARP	ARP	ARP	ARP
MW-47	726.77	2/22/2021	ARP	ARP	ARP	ARP
MW-47	723.18	3/4/2021	26.41	27.72	1.31	696.42
MW-47	723.18	3/8/2021	ARP	ARP	ARP	ARP
MW-47	723.18	3/15/2021	ARP	ARP	ARP	ARP
MW-47	723.18	3/22/2021	ARP	ARP	ARP	ARP
MW-47	723.18	4/1/2021	25.74	25.90	0.16	697.40
MW-47	723.18	4/12/2021	ARP	ARP	ARP	ARP
MW-47	723.18	4/19/2021	ARP	ARP	ARP	ARP
MW-47	723.18	4/29/2021	26.48	27.55	1.07	696.41
MW-47	723.18	5/3/2021	ARP	ARP	ARP	ARP
MW-47	723.18	5/10/2021	ARP	ARP	ARP	ARP
MW-47	723.18	5/18/2021	ARP	ARP	ARP	ARP
MW-47	723.18	5/26/2021	27.33	27.44	0.11	695.82
MW-47	723.18	5/31/2021	ARP	ARP	ARP	ARP
MW-47	723.18	6/7/2021	ARP	ARP	ARP	ARP
MW-47	723.18	6/14/2021	ARP	ARP	ARP	ARP
MW-47	723.18	6/21/2021	ARP	ARP	ARP	ARP
MW-47	723.18	7/1/2021	ND	27.64	0.00	695.54
MW-47	723.18	7/6/2021	ARP	ARP	ARP	ARP
MW-47	723.18	7/14/2021	ND	27.56	0.00	695.62
MW-47	723.18	7/28/2021	ND	26.91	0.00	696.27
MW-47	723.18	8/16/2021	ARP	ARP	ARP	ARP
MW-47	723.18	8/26/2021	ND	27.37	0.00	695.81
MW-47	723.18	8/30/2021	ARP	ARP	ARP	ARP
MW-47	723.18	9/16/2021	ND	27.35	0.00	695.83
MW-47	723.18	9/23/2021	ND	27.24	0.00	695.94
MW-47	723.18	10/6/2021	ARP	ARP	ARP	ARP
MW-47	723.18	10/12/2021	ARP	ARP	ARP	ARP
MW-47	723.18	10/18/2021	ARP	ARP	ARP	ARP
MW-48	723.09	9/18/2020	ND	33.44	0.00	689.65
MW-48	723.09	9/28/2020	ND	33.38	0.00	689.71
MW-48	723.09	10/3/2020	ND	33.57	0.00	689.52
MW-48	723.09	10/19/2020	ND	33.63	0.00	689.46
MW-48	723.09	10/26/2020	ND	33.65	0.00	689.44

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-48	723.09	11/9/2020	ND	33.58	0.00	689.51
MW-48	723.09	11/18/2020	ND	33.64	0.00	689.45
MW-48	723.09	11/23/2020	ND	33.56	0.00	689.53
MW-48	723.09	12/7/2020	33.30	33.70	0.40	689.68
MW-48	723.09	12/21/2020	ARP	ARP	ARP	ARP
MW-48	723.09	12/26/2020	33.79	34.51	0.72	689.10
MW-48	723.09	1/10/2021	ARP	ARP	ARP	ARP
MW-48	723.09	1/19/2021	ARP	ARP	ARP	ARP
MW-48	723.09	1/25/2021	ARP	ARP	ARP	ARP
MW-48	723.09	2/1/2021	32.85	38.05	5.20	688.85
MW-48	723.09	2/8/2021	ARP	ARP	ARP	ARP
MW-48	723.09	2/16/2021	ARP	ARP	ARP	ARP
MW-48	723.09	2/22/2021	ARP	ARP	ARP	ARP
MW-48	723.57	3/4/2021	33.73	34.80	1.07	689.55
MW-48	723.57	3/15/2021	ARP	ARP	ARP	ARP
MW-48	723.57	3/22/2021	ARP	ARP	ARP	ARP
MW-48	723.57	4/1/2021	33.45	35.18	1.73	689.66
MW-48	723.57	4/12/2021	ARP	ARP	ARP	ARP
MW-48	723.57	4/19/2021	ARP	ARP	ARP	ARP
MW-48	723.57	4/29/2021	33.61	33.88	0.27	689.89
MW-48	723.57	5/3/2021	ARP	ARP	ARP	ARP
MW-48	723.57	5/10/2021	ARP	ARP	ARP	ARP
MW-48	723.57	5/18/2021	ARP	ARP	ARP	ARP
MW-48	723.57	5/26/2021	33.60	33.74	0.14	689.93
MW-48	723.57	5/31/2021	ARP	ARP	ARP	ARP
MW-48	723.57	6/7/2021	ARP	ARP	ARP	ARP
MW-48	723.57	6/14/2021	ARP	ARP	ARP	ARP
MW-48	723.57	6/21/2021	ARP	ARP	ARP	ARP
MW-48	723.57	7/1/2021	34.02	34.42	0.40	689.44
MW-48	723.57	7/6/2021	ARP	ARP	ARP	ARP
MW-48	723.57	7/14/2021	34.50	34.72	0.22	689.01
MW-48	723.57	7/28/2021	34.97	35.12	0.15	688.56
MW-48	723.57	8/16/2021	ARP	ARP	ARP	ARP
MW-48	723.57	8/26/2021	35.67	35.87	0.20	687.85
MW-48	723.57	8/30/2021	ARP	ARP	ARP	ARP
MW-48	723.57	9/16/2021	ND	36.36	0.00	687.21
MW-48	723.57	9/23/2021	36.48	36.61	0.13	687.06
MW-48	723.57	10/6/2021	ARP	ARP	ARP	ARP
MW-48	723.57	10/12/2021	ARP	ARP	ARP	ARP
MW-48	723.57	10/18/2021	ARP	ARP	ARP	ARP
MW-49	727.58	9/18/2020	ND	32.29	0.00	695.29
MW-49	727.58	9/28/2020	ND	33.63	0.00	693.95

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-49	727.58	10/3/2020	ND	33.75	0.00	693.83
MW-49	727.58	10/19/2020	ND	33.73	0.00	693.85
MW-49	727.58	10/26/2020	ND	33.76	0.00	693.82
MW-49	727.58	11/9/2020	ND	33.69	0.00	693.89
MW-49	727.58	11/18/2020	ND	33.70	0.00	693.88
MW-49	727.58	11/23/2020	ND	33.55	0.00	694.03
MW-49	727.58	12/7/2020	ND	33.45	0.00	694.13
MW-49	727.58	12/21/2020	ND	33.49	0.00	694.09
MW-49	727.58	12/26/2020	ND	33.57	0.00	694.01
MW-49	727.58	1/10/2021	ND	33.53	0.00	694.05
MW-49	727.58	1/19/2021	ND	33.51	0.00	694.07
MW-49	727.58	1/25/2021	ND	33.34	0.00	694.24
MW-49	727.58	2/1/2021	ND	33.42	0.00	694.16
MW-49	727.58	2/8/2021	ND	33.65	0.00	693.93
MW-49	727.58	2/16/2021	ND	33.52	0.00	694.06
MW-49	727.58	2/22/2021	ND	33.37	0.00	694.21
MW-49	727.58	3/4/2021	ND	33.28	0.00	694.30
MW-49	727.58	3/8/2021	ND	33.36	0.00	694.22
MW-49	727.58	3/15/2021	ND	33.33	0.00	694.25
MW-49	727.58	3/22/2021	ND	33.31	0.00	694.27
MW-49	727.58	4/1/2021	ND	33.09	0.00	694.49
MW-49	727.58	4/12/2021	ND	32.84	0.00	694.74
MW-49	727.58	4/19/2021	ND	32.78	0.00	694.80
MW-49	727.58	4/29/2021	ND	32.75	0.00	694.83
MW-49	727.58	5/3/2021	ND	32.73	0.00	694.85
MW-49	727.58	5/10/2021	ND	32.92	0.00	694.66
MW-49	727.58	5/18/2021	ND	33.29	0.00	694.29
MW-49	727.58	5/26/2021	ND	33.41	0.00	694.17
MW-49	727.58	5/31/2021	ND	33.71	0.00	693.87
MW-49	727.58	6/7/2021	ND	33.81	0.00	693.77
MW-49	727.58	6/14/2021	ND	34.03	0.00	693.55
MW-49	727.58	6/21/2021	ND	34.08	0.00	693.50
MW-49	727.58	7/1/2021	ND	34.34	0.00	693.24
MW-49	727.58	7/6/2021	ND	34.62	0.00	692.96
MW-49	727.58	7/14/2021	ND	37.77	0.00	689.81
MW-49	727.58	7/28/2021	ND	35.02	0.00	692.56
MW-49	727.58	8/2/2021	ND	35.26	0.00	692.32
MW-49	727.58	8/16/2021	ND	35.49	0.00	692.09
MW-49	727.58	8/26/2021	ND	35.63	0.00	691.95
MW-49	727.58	8/30/2021	ND	35.76	0.00	691.82
MW-49	727.58	9/14/2021	ND	36.04	0.00	691.54
MW-49	727.58	9/23/2021	ND	36.24	0.00	691.34

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-49	727.58	10/6/2021	ND	36.52	0.00	691.06
MW-49	727.58	10/12/2021	ND	36.70	0.00	690.88
MW-49	727.58	10/18/2021	ND	36.85	0.00	690.73
MW-50	731.14	9/18/2020	ND	35.04	0.00	696.10
MW-50	731.14	9/28/2020	ND	36.74	0.00	694.40
MW-50	731.14	10/3/2020	ND	36.85	0.00	694.29
MW-50	731.14	10/19/2020	ND	36.88	0.00	694.26
MW-50	731.14	10/26/2020	ND	36.94	0.00	694.20
MW-50	731.14	11/9/2020	ND	36.90	0.00	694.24
MW-50	731.14	11/18/2020	ND	36.99	0.00	694.15
MW-50	731.14	11/23/2020	ND	36.86	0.00	694.28
MW-50	731.14	12/7/2020	ND	36.81	0.00	694.33
MW-50	731.14	12/21/2020	ND	36.84	0.00	694.30
MW-50	731.14	12/26/2020	ND	36.95	0.00	694.19
MW-50	731.14	1/10/2021	ND	36.95	0.00	694.19
MW-50	731.14	1/19/2021	ND	36.95	0.00	694.19
MW-50	731.14	1/25/2021	ND	36.92	0.00	694.22
MW-50	731.14	2/1/2021	ND	36.91	0.00	694.23
MW-50	731.14	2/8/2021	ND	37.67	0.00	693.47
MW-50	731.14	2/16/2021	ND	37.58	0.00	693.56
MW-50	731.14	2/22/2021	ND	37.34	0.00	693.80
MW-50	731.14	3/4/2021	ND	37.19	0.00	693.95
MW-50	731.14	3/8/2021	ND	37.20	0.00	693.94
MW-50	731.14	3/15/2021	ND	37.47	0.00	693.67
MW-50	731.14	3/22/2021	ND	37.16	0.00	693.98
MW-50	731.14	4/1/2021	ND	36.93	0.00	694.21
MW-50	731.14	4/12/2021	ND	36.68	0.00	694.46
MW-50	731.14	4/19/2021	ND	36.91	0.00	694.23
MW-50	731.14	4/29/2021	ND	36.69	0.00	694.45
MW-50	731.14	5/3/2021	ND	36.83	0.00	694.31
MW-50	731.14	5/10/2021	ND	37.14	0.00	694.00
MW-50	731.14	5/18/2021	ND	37.54	0.00	693.60
MW-50	731.14	5/26/2021	ND	37.48	0.00	693.66
MW-50	731.14	5/31/2021	ND	38.01	0.00	693.13
MW-50	731.14	6/7/2021	ND	38.18	0.00	692.96
MW-50	731.14	6/14/2021	ND	38.34	0.00	692.80
MW-50	731.14	6/21/2021	ND	38.12	0.00	693.02
MW-50	731.14	7/1/2021	ND	38.43	0.00	692.71
MW-50	731.14	7/6/2021	ND	38.95	0.00	692.19
MW-50	731.14	7/14/2021	ND	38.94	0.00	692.20
MW-50	731.14	7/28/2021	ND	39.10	0.00	692.04
MW-50	731.14	8/2/2021	ND	39.57	0.00	691.57

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-50	731.14	8/16/2021	ND	39.79	0.00	691.35
MW-50	731.14	8/26/2021	ND	39.74	0.00	691.40
MW-50	731.14	8/30/2021	ND	40.00	0.00	691.14
MW-50	731.14	9/14/2021	ND	42.20	0.00	688.94
MW-50	731.14	9/23/2021	ND	40.26	0.00	690.88
MW-50	731.14	10/6/2021	ND	40.53	0.00	690.61
MW-50	731.14	10/12/2021	ND	40.80	0.00	690.34
MW-50	731.14	10/18/2021	ND	40.95	0.00	690.19
MW-51	731.20	9/18/2020	ND	31.34	0.00	699.86
MW-51	731.20	9/28/2020	ND	37.08	0.00	694.12
MW-51	731.20	10/3/2020	ND	37.18	0.00	694.02
MW-51	731.20	10/19/2020	ND	37.18	0.00	694.02
MW-51	731.20	10/26/2020	ND	37.19	0.00	694.01
MW-51	731.20	11/9/2020	ND	37.18	0.00	694.02
MW-51	731.20	11/18/2020	ND	37.27	0.00	693.93
MW-51	731.20	11/23/2020	ND	37.10	0.00	694.10
MW-51	731.20	12/7/2020	ND	37.03	0.00	694.17
MW-51	731.20	12/21/2020	ND	37.08	0.00	694.12
MW-51	731.20	12/26/2020	ND	37.18	0.00	694.02
MW-51	731.20	1/10/2021	ND	37.20	0.00	694.00
MW-51	731.20	1/19/2021	ND	37.19	0.00	694.01
MW-51	731.20	1/25/2021	ND	37.07	0.00	694.13
MW-51	731.20	2/1/2021	ND	37.16	0.00	694.04
MW-51	731.20	2/8/2021	ND	37.51	0.00	693.69
MW-51	731.20	2/16/2021	ND	37.38	0.00	693.82
MW-51	731.20	2/22/2021	ND	37.29	0.00	693.91
MW-51	731.20	3/4/2021	ND	37.22	0.00	693.98
MW-51	731.20	3/8/2021	ND	37.31	0.00	693.89
MW-51	731.20	3/15/2021	ND	37.31	0.00	693.89
MW-51	731.20	3/22/2021	ND	37.30	0.00	693.90
MW-51	731.20	4/1/2021	ND	37.09	0.00	694.11
MW-51	731.20	4/12/2021	ND	36.86	0.00	694.34
MW-51	731.20	4/9/2021	ND	36.85	0.00	694.35
MW-51	731.20	4/29/2021	ND	36.79	0.00	694.41
MW-51	731.20	5/3/2021	ND	36.76	0.00	694.44
MW-51	731.20	5/10/2021	ND	36.96	0.00	694.24
MW-51	731.20	5/18/2021	ND	37.36	0.00	693.84
MW-51	731.20	5/26/2021	ND	37.46	0.00	693.74
MW-51	731.20	5/31/2021	ND	37.78	0.00	693.42
MW-51	731.20	6/7/2021	ND	37.93	0.00	693.27
MW-51	731.20	6/14/2021	ND	37.86	0.00	693.34
MW-51	731.20	6/21/2021	ND	38.07	0.00	693.13

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-51	731.20	7/1/2021	ND	38.38	0.00	692.82
MW-51	731.20	7/6/2021	ND	38.74	0.00	692.46
MW-51	731.20	7/14/2021	ND	38.87	0.00	692.33
MW-51	731.20	7/28/2021	ND	39.15	0.00	692.05
MW-51	731.20	8/2/2021	ND	39.37	0.00	691.83
MW-51	731.20	8/16/2021	ND	39.58	0.00	691.62
MW-51	731.20	8/26/2021	ND	39.72	0.00	691.48
MW-51	731.20	8/30/2021	ND	39.84	0.00	691.36
MW-51	731.20	9/14/2021	ND	40.10	0.00	691.10
MW-51	731.20	9/23/2021	ND	40.24	0.00	690.96
MW-51	731.20	10/6/2021	ND	40.53	0.00	690.67
MW-51	731.20	10/12/2021	ND	40.73	0.00	690.47
MW-51	731.20	10/18/2021	ND	40.88	0.00	690.32
MW-52	722.94	10/3/2020	ND	33.48	0.00	689.46
MW-52	722.94	10/19/2020	ND	33.56	0.00	689.38
MW-52	722.94	10/21/2020	ND	35.56	0.00	687.38
MW-52	722.94	10/26/2020	ND	33.60	0.00	689.34
MW-52	722.94	11/9/2020	ND	33.52	0.00	689.42
MW-52	722.94	11/18/2020	ND	33.59	0.00	689.35
MW-52	722.94	11/23/2020	ND	33.51	0.00	689.43
MW-52	722.94	12/7/2020	ND	33.36	0.00	689.58
MW-52	722.94	12/21/2020	ND	33.54	0.00	689.40
MW-52	722.94	12/26/2020	ND	33.49	0.00	689.45
MW-52	722.94	1/10/2021	ND	33.58	0.00	689.36
MW-52	722.94	1/19/2021	ND	33.89	0.00	689.05
MW-52	722.94	1/25/2021	ND	33.83	0.00	689.11
MW-52	722.94	2/1/2021	ND	33.72	0.00	689.22
MW-52	722.94	2/8/2021	ND	34.31	0.00	688.63
MW-52	722.94	2/16/2021	ND	33.91	0.00	689.03
MW-52	722.94	2/22/2021	ND	33.83	0.00	689.11
MW-52	722.94	3/4/2021	ND	33.44	0.00	689.50
MW-52	722.94	3/8/2021	ND	33.78	0.00	689.16
MW-52	722.94	3/15/2021	ND	33.78	0.00	689.16
MW-52	722.94	3/22/2021	ND	33.66	0.00	689.28
MW-52	722.94	4/1/2021	ND	33.34	0.00	689.60
MW-52	722.94	4/12/2021	ND	24.45	0.00	698.49
MW-52	722.94	4/19/2021	ND	33.47	0.00	689.47
MW-52	722.94	4/29/2021	ND	33.14	0.00	689.80
MW-52	722.94	5/3/2021	ND	33.39	0.00	689.55
MW-52	722.94	5/10/2021	ND	33.30	0.00	689.64
MW-52	722.94	5/18/2021	ND	33.18	0.00	689.76
MW-52	722.94	5/26/2021	ND	33.05	0.00	689.89

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-52	722.94	5/31/2021	ND	33.24	0.00	689.70
MW-52	722.94	6/7/2021	ND	33.40	0.00	689.54
MW-52	722.94	6/14/2021	ND	33.55	0.00	689.39
MW-52	722.94	6/21/2021	ND	33.73	0.00	689.21
MW-52	722.94	7/1/2021	ND	33.61	0.00	689.33
MW-52	722.94	7/6/2021	ND	34.22	0.00	688.72
MW-52	722.94	7/14/2021	ND	34.03	0.00	688.91
MW-52	722.94	7/28/2021	ND	34.84	0.00	688.10
MW-52	722.94	8/2/2021	ND	35.10	0.00	687.84
MW-52	722.94	8/16/2021	ND	35.39	0.00	687.55
MW-52	722.94	8/26/2021	ND	35.30	0.00	687.64
MW-52	722.94	8/30/2021	ND	35.74	0.00	687.20
MW-52	722.94	9/14/2021	ND	36.21	0.00	686.73
MW-52	722.94	9/23/2021	ND	36.10	0.00	686.84
MW-52	722.94	10/6/2021	ND	36.70	0.00	686.24
MW-52	722.94	10/12/2021	ND	36.88	0.00	686.06
MW-52	722.94	10/18/2021	ND	37.03	0.00	685.91
MW-53	707.49	10/3/2020	ND	29.76	0.00	677.73
MW-53	707.49	10/19/2020	ND	25.59	0.00	681.90
MW-53	707.49	10/26/2020	ND	25.51	0.00	681.98
MW-53	707.49	11/9/2020	ND	25.40	0.00	682.09
MW-53	707.49	11/18/2020	ND	25.20	0.00	682.29
MW-53	707.49	11/23/2020	ND	25.07	0.00	682.42
MW-53	707.49	12/7/2020	ND	24.86	0.00	682.63
MW-53	707.49	12/21/2020	ND	24.78	0.00	682.71
MW-53	707.49	12/26/2020	ND	27.74	0.00	679.75
MW-53	707.49	1/10/2021	ND	24.70	0.00	682.79
MW-53	707.49	1/19/2021	ND	25.10	0.00	682.39
MW-53	707.49	1/25/2021	ND	25.27	0.00	682.22
MW-53	707.49	2/1/2021	ND	25.20	0.00	682.29
MW-53	707.49	2/8/2021	ND	25.36	0.00	682.13
MW-53	707.49	2/16/2021	ND	24.86	0.00	682.63
MW-53	707.49	2/22/2021	ND	24.32	0.00	683.17
MW-53	707.49	3/4/2021	ND	24.14	0.00	683.35
MW-53	707.49	3/8/2021	ND	24.48	0.00	683.01
MW-53	707.49	3/15/2021	ND	24.56	0.00	682.93
MW-53	707.49	3/22/2021	ND	24.38	0.00	683.11
MW-53	707.49	4/1/2021	ND	23.79	0.00	683.70
MW-53	707.49	4/12/2021	ND	24.26	0.00	683.23
MW-53	707.49	4/19/2021	ND	24.64	0.00	682.85
MW-53	707.49	4/29/2021	ND	24.90	0.00	682.59
MW-53	707.49	5/3/2021	ND	24.96	0.00	682.53

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-53	707.49	5/10/2021	ND	25.18	0.00	682.31
MW-53	707.49	5/18/2021	ND	25.42	0.00	682.07
MW-53	707.49	5/26/2021	ND	25.55	0.00	681.94
MW-53	707.49	5/31/2021	ND	25.86	0.00	681.63
MW-53	707.49	6/7/2021	ND	26.16	0.00	681.33
MW-53	707.49	6/14/2021	ND	26.26	0.00	681.23
MW-53	707.49	6/21/2021	ND	26.44	0.00	681.05
MW-53	707.49	7/1/2021	ND	27.59	0.00	679.90
MW-53	707.49	7/6/2021	ND	26.83	0.00	680.66
MW-53	707.49	7/14/2021	ND	26.90	0.00	680.59
MW-53	707.49	7/28/2021	ND	27.43	0.00	680.06
MW-53	707.49	8/2/2021	ND	27.75	0.00	679.74
MW-53	707.49	8/16/2021	ND	28.38	0.00	679.11
MW-53	707.49	8/26/2021	ND	28.84	0.00	678.65
MW-53	707.49	8/30/2021	ND	29.23	0.00	678.26
MW-53	707.49	9/14/2021	ND	30.02	0.00	677.47
MW-53	707.49	9/23/2021	ND	30.30	0.00	677.19
MW-53	707.49	10/6/2021	ND	31.31	0.00	676.18
MW-53	707.49	10/12/2021	ND	31.60	0.00	675.89
MW-53	707.49	10/18/2021	ND	31.93	0.00	675.56
MW-54	707.97	10/3/2020	ND	25.60	0.00	682.37
MW-54	707.97	10/19/2020	ND	25.41	0.00	682.56
MW-54	707.97	10/26/2020	ND	25.35	0.00	682.62
MW-54	707.97	11/9/2020	ND	25.26	0.00	682.71
MW-54	707.97	11/18/2020	ND	25.16	0.00	682.81
MW-54	707.97	11/23/2020	ND	25.06	0.00	682.91
MW-54	707.97	12/7/2020	ND	24.79	0.00	683.18
MW-54	707.97	12/21/2020	ND	24.74	0.00	683.23
MW-54	707.97	12/26/2020	ND	24.74	0.00	683.23
MW-54	707.97	1/10/2021	ND	24.61	0.00	683.36
MW-54	707.97	1/19/2021	ND	24.96	0.00	683.01
MW-54	707.97	1/25/2021	ND	25.08	0.00	682.89
MW-54	707.97	2/1/2021	ND	25.08	0.00	682.89
MW-54	707.97	2/8/2021	ND	25.27	0.00	682.70
MW-54	707.97	2/16/2021	ND	24.82	0.00	683.15
MW-54	707.97	2/22/2021	ND	24.41	0.00	683.56
MW-54	707.97	3/4/2021	ND	24.07	0.00	683.90
MW-54	707.97	3/8/2021	ND	24.43	0.00	683.54
MW-54	707.97	3/15/2021	ND	24.45	0.00	683.52
MW-54	707.97	3/22/2021	ND	24.61	0.00	683.36
MW-54	707.97	4/1/2021	ND	24.01	0.00	683.96
MW-54	707.97	4/12/2021	ND	24.34	0.00	683.63

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-54	707.97	4/19/2021	ND	24.71	0.00	683.26
MW-54	707.97	4/29/2021	ND	24.86	0.00	683.11
MW-54	707.97	5/3/2021	ND	24.82	0.00	683.15
MW-54	707.97	5/10/2021	ND	25.20	0.00	682.77
MW-54	707.97	5/18/2021	ND	25.53	0.00	682.44
MW-54	707.97	5/26/2021	ND	25.56	0.00	682.41
MW-54	707.97	5/31/2021	ND	25.93	0.00	682.04
MW-54	707.97	6/7/2021	ND	26.27	0.00	681.70
MW-54	707.97	6/14/2021	ND	26.33	0.00	681.64
MW-54	707.97	6/21/2021	ND	26.52	0.00	681.45
MW-54	707.97	7/1/2021	ND	26.63	0.00	681.34
MW-54	707.97	7/6/2021	ND	26.91	0.00	681.06
MW-54	707.97	7/14/2021	ND	26.92	0.00	681.05
MW-54	707.97	7/28/2021	ND	27.55	0.00	680.42
MW-54	707.97	8/2/2021	ND	28.01	0.00	679.96
MW-54	707.97	8/16/2021	28.64	28.84	0.20	679.28
MW-54	707.97	8/26/2021	29.00	29.28	0.28	678.90
MW-54	707.97	8/30/2021	29.63	30.10	0.47	678.21
MW-54	707.97	9/16/2021	30.54	31.08	0.54	677.29
MW-54	707.97	9/23/2021	30.91	31.63	0.72	676.87
MW-54	707.97	10/6/2021	ARP	ARP	ARP	ARP
MW-54	707.97	10/12/2021	ARP	ARP	ARP	ARP
MW-54	707.97	10/18/2021	ARP	ARP	ARP	ARP
MW-55	745.50	10/3/2020	ND	55.30	0.00	690.20
MW-55	745.50	10/19/2020	ND	53.23	0.00	692.27
MW-55	745.50	10/26/2020	ND	53.20	0.00	692.30
MW-55	745.50	11/9/2020	ND	53.28	0.00	692.22
MW-55	745.50	11/18/2020	ND	53.63	0.00	691.87
MW-55	745.50	11/23/2020	ND	53.29	0.00	692.21
MW-55	745.50	12/7/2020	ARP	ARP	ARP	ARP
MW-55	745.50	12/21/2020	ARP	ARP	ARP	ARP
MW-55	745.50	12/26/2020	51.17	53.54	2.37	693.70
MW-55	745.50	1/10/2021	ARP	ARP	ARP	ARP
MW-55	745.50	1/19/2021	ARP	ARP	ARP	ARP
MW-55	745.50	1/25/2021	ARP	ARP	ARP	ARP
MW-55	745.50	2/1/2021	51.41	54.29	2.88	693.32
MW-55	745.50	2/8/2021	ARP	ARP	ARP	ARP
MW-55	745.50	2/16/2021	ARP	ARP	ARP	ARP
MW-55	745.50	2/22/2021	ARP	ARP	ARP	ARP
MW-55	743.95	3/4/2021	51.43	54.04	2.61	691.82
MW-55	743.95	3/15/2021	ARP	ARP	ARP	ARP
MW-55	743.95	3/22/2021	ARP	ARP	ARP	ARP

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
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Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-55	743.95	4/1/2021	51.71	54.01	2.30	691.63
MW-55	743.95	4/12/2021	ARP	ARP	ARP	ARP
MW-55	743.95	4/19/2021	ARP	ARP	ARP	ARP
MW-55	743.95	4/29/2021	51.91	53.36	1.45	691.65
MW-55	743.95	5/3/2021	ARP	ARP	ARP	ARP
MW-55	743.95	5/10/2021	ARP	ARP	ARP	ARP
MW-55	743.95	5/18/2021	ARP	ARP	ARP	ARP
MW-55	743.95	5/26/2021	51.85	53.64	1.79	691.62
MW-55	743.95	5/31/2021	ARP	ARP	ARP	ARP
MW-55	743.95	6/7/2021	ARP	ARP	ARP	ARP
MW-55	743.95	6/14/2021	ARP	ARP	ARP	ARP
MW-55	743.95	6/21/2021	ARP	ARP	ARP	ARP
MW-55	743.95	7/1/2021	52.77	52.93	0.16	691.14
MW-55	743.95	7/6/2021	ARP	ARP	ARP	ARP
MW-55	743.95	7/14/2021	52.88	53.02	0.14	691.03
MW-55	743.95	7/28/2021	53.12	53.29	0.17	690.78
MW-55	743.95	8/16/2021	ARP	ARP	ARP	ARP
MW-55	743.95	8/26/2021	53.63	53.85	0.22	690.26
MW-55	743.95	8/30/2021	ARP	ARP	ARP	ARP
MW-55	743.95	9/16/2021	54.03	54.52	0.49	689.79
MW-55	743.95	9/23/2021	54.21	54.72	0.51	689.60
MW-55	743.95	10/6/2021	ARP	ARP	ARP	ARP
MW-55	743.95	10/12/2021	ARP	ARP	ARP	ARP
MW-55	743.95	10/18/2021	ARP	ARP	ARP	ARP
MW-56	681.53	10/3/2020	ND	12.27	0.00	669.26
MW-56	681.53	10/19/2020	ND	11.86	0.00	669.67
MW-56	681.53	10/26/2020	ND	11.76	0.00	669.77
MW-56	681.53	11/9/2020	ND	11.36	0.00	670.17
MW-56	681.53	11/18/2020	ND	11.11	0.00	670.42
MW-56	681.53	11/23/2020	ND	10.95	0.00	670.58
MW-56	681.53	12/7/2020	ND	10.49	0.00	671.04
MW-56	681.53	12/21/2020	ND	10.16	0.00	671.37
MW-56	681.53	12/26/2020	ND	10.30	0.00	671.23
MW-56	681.53	1/10/2021	ND	10.04	0.00	671.49
MW-56	681.53	1/19/2021	ND	10.03	0.00	671.50
MW-56	681.53	1/25/2021	ND	9.82	0.00	671.71
MW-56	681.53	2/1/2021	ND	9.33	0.00	672.20
MW-56	681.53	2/8/2021	ND	9.68	0.00	671.85
MW-56	681.53	2/16/2021	ND	8.94	0.00	672.59
MW-56	681.53	2/22/2021	ND	5.72	0.00	675.81
MW-56	681.53	3/4/2021	ND	8.62	0.00	672.91
MW-56	681.53	3/8/2021	ND	8.99	0.00	672.54

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
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Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-56	681.53	3/15/2021	ND	9.04	0.00	672.49
MW-56	681.53	3/22/2021	ND	8.61	0.00	672.92
MW-56	681.53	4/1/2021	ND	8.19	0.00	673.34
MW-56	681.53	4/12/2021	ND	8.28	0.00	673.25
MW-56	681.53	4/19/2021	ND	8.58	0.00	672.95
MW-56	681.53	4/29/2021	ND	8.88	0.00	672.65
MW-56	681.53	5/3/2021	ND	8.99	0.00	672.54
MW-56	681.53	5/10/2021	ND	9.28	0.00	672.25
MW-56	681.53	5/18/2021	ND	9.64	0.00	671.89
MW-56	681.53	5/26/2021	ND	10.04	0.00	671.49
MW-56	681.53	5/31/2021	ND	10.45	0.00	671.08
MW-56	681.53	6/7/2021	ND	10.65	0.00	670.88
MW-56	681.53	6/14/2021	ND	10.54	0.00	670.99
MW-56	681.53	6/21/2021	ND	10.74	0.00	670.79
MW-56	681.53	7/1/2021	ND	11.53	0.00	670.00
MW-56	681.53	7/6/2021	ND	11.29	0.00	670.24
MW-56	681.53	7/14/2021	ND	11.53	0.00	670.00
MW-56	681.53	7/28/2021	ND	11.43	0.00	670.10
MW-56	681.53	8/2/2021	ND	11.70	0.00	669.83
MW-56	681.53	8/16/2021	ND	12.23	0.00	669.30
MW-56	681.53	8/26/2021	ND	12.34	0.00	669.19
MW-56	681.53	8/30/2021	ND	12.45	0.00	669.08
MW-56	681.53	9/14/2021	ND	13.15	0.00	668.38
MW-56	681.53	9/23/2021	ND	13.26	0.00	668.27
MW-56	681.53	10/6/2021	ND	13.70	0.00	667.83
MW-56	681.53	10/12/2021	ND	13.63	0.00	667.90
MW-56	681.53	10/18/2021	ND	13.88	0.00	667.65
MW-57	687.07	10/3/2020	ND	13.71	0.00	673.36
MW-57	687.07	10/19/2020	ND	13.11	0.00	673.96
MW-57	687.07	10/26/2020	ND	13.05	0.00	674.02
MW-57	687.07	11/9/2020	ND	12.20	0.00	674.87
MW-57	687.07	11/18/2020	ND	12.25	0.00	674.82
MW-57	687.07	11/23/2020	ND	12.19	0.00	674.88
MW-57	687.07	12/7/2020	ND	11.64	0.00	675.43
MW-57	687.07	12/21/2020	ND	11.26	0.00	675.81
MW-57	687.07	12/26/2020	ND	11.20	0.00	675.87
MW-57	687.07	1/10/2021	ND	10.91	0.00	676.16
MW-57	687.07	1/19/2021	ND	10.96	0.00	676.11
MW-57	687.07	1/25/2021	ND	10.83	0.00	676.24
MW-57	687.07	2/1/2021	ND	10.21	0.00	676.86
MW-57	687.07	2/8/2021	ND	10.32	0.00	676.75
MW-57	687.07	2/16/2021	ND	9.53	0.00	677.54

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-57	687.07	2/22/2021	ND	6.29	0.00	680.78
MW-57	687.07	3/4/2021	ND	9.12	0.00	677.95
MW-57	687.07	3/8/2021	ND	9.46	0.00	677.61
MW-57	687.07	3/15/2021	ND	9.49	0.00	677.58
MW-57	687.07	3/22/2021	NM	NM	NM	NM
MW-57	687.07	4/1/2021	ND	8.09	0.00	678.98
MW-57	687.07	4/12/2021	ND	8.25	0.00	678.82
MW-57	687.07	4/19/2021	ND	8.52	0.00	678.55
MW-57	687.07	4/29/2021	ND	8.84	0.00	678.23
MW-57	687.07	5/3/2021	ND	8.98	0.00	678.09
MW-57	687.07	5/10/2021	ND	9.31	0.00	677.76
MW-57	687.07	5/18/2021	ND	10.73	0.00	676.34
MW-57	687.07	5/26/2021	ND	10.24	0.00	676.83
MW-57	687.07	5/31/2021	ND	10.66	0.00	676.41
MW-57	687.07	6/7/2021	ND	10.97	0.00	676.10
MW-57	687.07	6/14/2021	ND	10.95	0.00	676.12
MW-57	687.07	6/21/2021	ND	11.26	0.00	675.81
MW-57	687.07	7/1/2021	ND	11.64	0.00	675.43
MW-57	687.07	7/6/2021	ND	11.93	0.00	675.14
MW-57	687.07	7/14/2021	ND	12.27	0.00	674.80
MW-57	687.07	7/28/2021	ND	12.31	0.00	674.76
MW-57	687.07	8/2/2021	ND	12.59	0.00	674.48
MW-57	687.07	8/16/2021	ND	13.25	0.00	673.82
MW-57	687.07	8/26/2021	ND	13.45	0.00	673.62
MW-57	687.07	8/30/2021	ND	13.63	0.00	673.44
MW-57	687.07	9/14/2021	ND	14.44	0.00	672.63
MW-57	687.07	9/23/2021	ND	14.67	0.00	672.40
MW-57	687.07	10/6/2021	ND	15.20	0.00	671.87
MW-57	687.07	10/12/2021	ND	15.21	0.00	671.86
MW-57	687.07	10/18/2021	ND	15.48	0.00	671.59
MW-58	717.30	10/3/2020	ND	29.77	0.00	687.53
MW-58	717.30	10/19/2020	ND	29.78	0.00	687.52
MW-58	717.30	10/26/2020	ND	29.74	0.00	687.56
MW-58	717.30	11/9/2020	ND	29.60	0.00	687.70
MW-58	717.30	11/18/2020	ND	29.59	0.00	687.71
MW-58	717.30	11/23/2020	ND	29.54	0.00	687.76
MW-58	717.30	12/7/2020	ND	29.28	0.00	688.02
MW-58	717.30	12/21/2020	ND	29.23	0.00	688.07
MW-58	717.30	12/26/2020	ND	29.31	0.00	687.99
MW-58	717.30	1/10/2021	ND	29.09	0.00	688.21
MW-58	717.30	1/19/2021	ND	29.03	0.00	688.27
MW-58	717.30	1/25/2021	ND	28.88	0.00	688.42

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
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Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-58	717.30	2/1/2021	ND	28.83	0.00	688.47
MW-58	717.30	2/8/2021	ND	28.99	0.00	688.31
MW-58	717.30	2/16/2021	ND	28.78	0.00	688.52
MW-58	717.30	2/22/2021	ND	28.65	0.00	688.65
MW-58	717.30	3/4/2021	ND	28.48	0.00	688.82
MW-58	717.30	3/8/2021	ND	28.62	0.00	688.68
MW-58	717.30	3/15/2021	ND	28.48	0.00	688.82
MW-58	717.30	3/22/2021	ND	28.31	0.00	688.99
MW-58	717.30	4/1/2021	ND	28.18	0.00	689.12
MW-58	717.30	4/12/2021	ND	27.86	0.00	689.44
MW-58	717.30	4/19/2021	ND	28.71	0.00	688.59
MW-58	717.30	4/29/2021	ND	27.71	0.00	689.59
MW-58	717.30	5/3/2021	ND	27.67	0.00	689.63
MW-58	717.30	5/10/2021	ND	27.72	0.00	689.58
MW-58	717.30	5/18/2021	ND	27.79	0.00	689.51
MW-58	717.30	5/26/2021	ND	27.80	0.00	689.50
MW-58	717.30	5/31/2021	ND	27.96	0.00	689.34
MW-58	717.30	6/7/2021	ND	28.00	0.00	689.30
MW-58	717.30	6/14/2021	ND	28.10	0.00	689.20
MW-58	717.30	6/21/2021	ND	28.24	0.00	689.06
MW-58	717.30	7/1/2021	ND	28.43	0.00	688.87
MW-58	717.30	7/6/2021	ND	28.62	0.00	688.68
MW-58	717.30	7/14/2021	ND	28.76	0.00	688.54
MW-58	717.30	7/28/2021	ND	29.08	0.00	688.22
MW-58	717.30	8/2/2021	ND	29.26	0.00	688.04
MW-58	717.30	8/16/2021	ND	29.60	0.00	687.70
MW-58	717.30	8/26/2021	ND	29.88	0.00	687.42
MW-58	717.30	8/30/2021	ND	29.92	0.00	687.38
MW-58	717.30	9/14/2021	ND	30.30	0.00	687.00
MW-58	717.30	9/23/2021	ND	30.63	0.00	686.67
MW-58	717.30	10/6/2021	ND	30.93	0.00	686.37
MW-58	717.30	10/12/2021	ND	31.10	0.00	686.20
MW-58	717.30	10/18/2021	ND	31.33	0.00	685.97
MW-59	719.38	10/3/2020	ND	31.26	0.00	688.12
MW-59	719.38	10/19/2020	ND	31.19	0.00	688.19
MW-59	719.38	10/26/2020	ND	31.18	0.00	688.20
MW-59	719.38	10/28/2020	ND	33.18	0.00	686.20
MW-59	719.38	11/9/2020	ND	31.03	0.00	688.35
MW-59	719.38	11/18/2020	ND	31.05	0.00	688.33
MW-59	719.38	11/23/2020	ND	30.99	0.00	688.39
MW-59	719.38	12/7/2020	ND	30.76	0.00	688.62
MW-59	719.38	12/21/2020	ND	37.80	0.00	681.58

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-59	719.38	12/26/2020	ND	30.83	0.00	688.55
MW-59	719.38	1/10/2021	ND	30.68	0.00	688.70
MW-59	719.38	1/19/2021	ND	30.70	0.00	688.68
MW-59	719.38	1/25/2021	ND	30.61	0.00	688.77
MW-59	719.38	2/1/2021	ND	30.57	0.00	688.81
MW-59	719.38	2/8/2021	ND	30.78	0.00	688.60
MW-59	719.38	2/16/2021	ND	30.55	0.00	688.83
MW-59	719.38	2/22/2021	ND	30.43	0.00	688.95
MW-59	719.38	3/4/2021	ND	30.25	0.00	689.13
MW-59	719.38	3/8/2021	ND	30.36	0.00	689.02
MW-59	719.38	3/15/2021	ND	30.24	0.00	689.14
MW-59	719.38	3/22/2021	ND	30.10	0.00	689.28
MW-59	719.38	4/1/2021	ND	29.96	0.00	689.42
MW-59	719.38	4/12/2021	ND	29.67	0.00	689.71
MW-59	719.38	4/19/2021	ND	29.64	0.00	689.74
MW-59	719.38	4/29/2021	ND	29.55	0.00	689.83
MW-59	719.38	5/3/2021	ND	29.52	0.00	689.86
MW-59	719.38	5/10/2021	ND	29.58	0.00	689.80
MW-59	719.38	5/18/2021	ND	29.64	0.00	689.74
MW-59	719.38	5/26/2021	ND	29.67	0.00	689.71
MW-59	719.38	5/31/2021	ND	29.86	0.00	689.52
MW-59	719.38	6/7/2021	ND	29.91	0.00	689.47
MW-59	719.38	6/14/2021	ND	30.01	0.00	689.37
MW-59	719.38	6/21/2021	ND	30.19	0.00	689.19
MW-59	719.38	7/1/2021	ND	30.33	0.00	689.05
MW-59	719.38	7/6/2021	ND	30.59	0.00	688.79
MW-59	719.38	7/14/2021	ND	30.72	0.00	688.66
MW-59	719.38	7/28/2021	ND	31.14	0.00	688.24
MW-59	719.38	8/2/2021	ND	31.34	0.00	688.04
MW-59	719.38	8/16/2021	ND	31.73	0.00	687.65
MW-59	719.38	8/26/2021	ND	31.99	0.00	687.39
MW-59	719.38	8/30/2021	ND	32.09	0.00	687.29
MW-59	719.38	9/14/2021	ND	32.53	0.00	686.85
MW-59	719.38	9/23/2021	ND	32.80	0.00	686.58
MW-59	719.38	10/6/2021	ND	33.16	0.00	686.22
MW-59	719.38	10/12/2021	ND	33.35	0.00	686.03
MW-59	719.38	10/18/2021	ND	33.55	0.00	685.83
MW-60	726.76	1/10/2020	ND	32.99	0.00	693.77
MW-60	726.76	10/8/2020	ND	33.60	0.00	693.16
MW-60	726.76	10/19/2020	ND	33.62	0.00	693.14
MW-60	726.76	10/26/2020	ND	33.58	0.00	693.18
MW-60	726.76	11/9/2020	ND	33.49	0.00	693.27

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-60	726.76	11/18/2020	ND	33.48	0.00	693.28
MW-60	726.76	11/23/2020	ND	33.33	0.00	693.43
MW-60	726.76	12/7/2020	ND	33.11	0.00	693.65
MW-60	726.76	12/21/2020	ND	33.07	0.00	693.69
MW-60	726.76	12/26/2020	ND	33.08	0.00	693.68
MW-60	726.76	1/19/2021	ND	32.90	0.00	693.86
MW-60	726.76	1/25/2021	ND	32.62	0.00	694.14
MW-60	726.76	2/1/2021	ND	32.64	0.00	694.12
MW-60	726.76	2/8/2021	ND	32.78	0.00	693.98
MW-60	726.76	2/16/2021	ND	32.58	0.00	694.18
MW-60	726.76	2/22/2021	ND	32.30	0.00	694.46
MW-60	726.76	3/4/2021	ND	32.14	0.00	694.62
MW-60	726.76	3/8/2021	ND	32.08	0.00	694.68
MW-60	726.76	3/15/2021	ND	32.07	0.00	694.69
MW-60	726.76	3/22/2021	ND	31.96	0.00	694.80
MW-60	726.76	4/1/2021	ND	31.72	0.00	695.04
MW-60	726.76	4/12/2021	ND	31.42	0.00	695.34
MW-60	726.76	4/19/2021	ND	31.28	0.00	695.48
MW-60	726.76	4/29/2021	ND	31.25	0.00	695.51
MW-60	726.76	5/3/2021	ND	31.23	0.00	695.53
MW-60	726.76	5/10/2021	ND	31.36	0.00	695.40
MW-60	726.76	5/18/2021	ND	31.63	0.00	695.13
MW-60	726.76	5/26/2021	ND	31.72	0.00	695.04
MW-60	726.76	5/31/2021	ND	31.98	0.00	694.78
MW-60	726.76	6/7/2021	ND	31.99	0.00	694.77
MW-60	726.76	6/14/2021	ND	32.23	0.00	694.53
MW-60	726.76	6/21/2021	ND	32.39	0.00	694.37
MW-60	726.76	7/1/2021	ND	32.58	0.00	694.18
MW-60	726.76	7/6/2021	ND	32.77	0.00	693.99
MW-60	726.76	7/14/2021	ND	32.99	0.00	693.77
MW-60	726.46	7/28/2021	ND	33.14	0.00	693.32
MW-60	726.46	8/2/2021	ND	33.40	0.00	693.06
MW-60	726.46	8/16/2021	ND	33.65	0.00	692.81
MW-60	726.46	8/26/2021	ND	31.12	0.00	695.34
MW-60	726.46	8/30/2021	ND	33.09	0.00	693.37
MW-60	726.46	9/14/2021	ND	34.30	0.00	692.16
MW-60	726.46	9/23/2021	ND	34.50	0.00	691.96
MW-60	726.46	10/6/2021	ND	34.70	0.00	691.76
MW-60	726.46	10/12/2021	ND	34.88	0.00	691.58
MW-60	726.46	10/18/2021	ND	35.06	0.00	691.40
MW-61	746.57	11/9/2020	ND	52.13	0.00	694.44
MW-61	746.57	11/18/2020	NM	NM	NM	NM

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-61	746.57	11/23/2020	ND	54.01	0.00	692.56
MW-61	746.57	12/7/2020	ND	54.29	0.00	692.28
MW-61	746.57	12/21/2020	ARP	ARP	ARP	ARP
MW-61	746.57	12/26/2020	54.43	54.96	0.53	692.00
MW-61	746.57	1/10/2021	ARP	ARP	ARP	ARP
MW-61	746.57	1/19/2021	ARP	ARP	ARP	ARP
MW-61	746.57	1/25/2021	ARP	ARP	ARP	ARP
MW-61	746.57	2/1/2021	54.76	55.03	0.27	691.73
MW-61	746.57	2/8/2021	ARP	ARP	ARP	ARP
MW-61	746.57	2/16/2021	ARP	ARP	ARP	ARP
MW-61	746.57	2/22/2021	ARP	ARP	ARP	ARP
MW-61	746.57	3/4/2021	54.61	55.37	0.76	691.76
MW-61	746.57	3/8/2021	ARP	ARP	ARP	ARP
MW-61	746.57	3/15/2021	ARP	ARP	ARP	ARP
MW-61	746.57	3/22/2021	ARP	ARP	ARP	ARP
MW-61	746.60	4/1/2021	54.86	55.06	0.20	691.68
MW-61	746.60	4/12/2021	ARP	ARP	ARP	ARP
MW-61	746.60	4/19/2021	ARP	ARP	ARP	ARP
MW-61	746.60	4/29/2021	54.80	55.18	0.38	691.69
MW-61	746.60	5/3/2021	ARP	ARP	ARP	ARP
MW-61	746.60	5/10/2021	ARP	ARP	ARP	ARP
MW-61	746.60	5/18/2021	ARP	ARP	ARP	ARP
MW-61	746.60	5/26/2021	54.83	55.08	0.25	691.70
MW-61	746.60	5/31/2021	ARP	ARP	ARP	ARP
MW-61	746.60	6/7/2021	ARP	ARP	ARP	ARP
MW-61	746.60	6/14/2021	ARP	ARP	ARP	ARP
MW-61	746.60	6/21/2021	ARP	ARP	ARP	ARP
MW-61	746.60	7/1/2021	ND	55.28	0.00	691.32
MW-61	746.60	7/6/2021	ARP	ARP	ARP	ARP
MW-61	746.60	7/14/2021	ND	55.35	0.00	691.25
MW-61	746.60	7/28/2021	55.60	55.61	0.01	691.00
MW-61	746.60	8/16/2021	ARP	ARP	ARP	ARP
MW-61	746.60	8/26/2021	56.17	56.25	0.08	690.41
MW-61	746.60	8/30/2021	ARP	ARP	ARP	ARP
MW-61	746.60	9/16/2021	ND	56.66	0.00	689.94
MW-61	746.60	9/23/2021	ND	56.78	0.00	689.82
MW-61	746.60	10/6/2021	ARP	ARP	ARP	ARP
MW-61	746.60	10/12/2021	ARP	ARP	ARP	ARP
MW-61	746.60	10/18/2021	ARP	ARP	ARP	ARP
MW-62	729.79	11/23/2020	NM	NM	NM	NM
MW-62	729.79	12/7/2020	ND	36.95	0.00	692.84
MW-62	729.79	12/21/2020	ND	36.91	0.00	692.88

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-62	729.79	12/26/2020	ND	36.98	0.00	692.81
MW-62	729.79	1/10/2021	ND	36.85	0.00	692.94
MW-62	729.79	1/19/2021	ND	36.76	0.00	693.03
MW-62	729.79	1/25/2021	ND	36.54	0.00	693.25
MW-62	729.79	2/1/2021	ND	36.54	0.00	693.25
MW-62	729.79	2/8/2021	ND	36.61	0.00	693.18
MW-62	729.79	2/16/2021	ND	36.45	0.00	693.34
MW-62	729.79	2/22/2021	ND	36.31	0.00	693.48
MW-62	729.79	3/4/2021	ND	36.13	0.00	693.66
MW-62	729.79	3/8/2021	ND	36.16	0.00	693.63
MW-62	729.79	3/15/2021	ND	36.00	0.00	693.79
MW-62	729.79	3/22/2021	ND	35.87	0.00	693.92
MW-62	729.79	4/1/2021	ND	35.67	0.00	694.12
MW-62	729.79	4/12/2021	ND	35.38	0.00	694.41
MW-62	729.79	4/19/2021	ND	35.23	0.00	694.56
MW-62	729.79	4/29/2021	ND	35.10	0.00	694.69
MW-62	729.79	5/3/2021	ND	35.05	0.00	694.74
MW-62	729.79	5/10/2021	ND	35.80	0.00	693.99
MW-62	729.79	5/18/2021	ND	35.18	0.00	694.61
MW-62	729.79	5/26/2021	ND	35.18	0.00	694.61
MW-62	729.79	5/31/2021	ND	35.32	0.00	694.47
MW-62	729.79	6/7/2021	ND	35.31	0.00	694.48
MW-62	729.79	6/14/2021	ND	35.45	0.00	694.34
MW-62	729.79	6/21/2021	ND	35.55	0.00	694.24
MW-62	729.79	7/1/2021	ND	35.69	0.00	694.10
MW-62	729.79	7/6/2021	ND	36.85	0.00	692.94
MW-62	729.79	7/14/2021	ND	36.04	0.00	693.75
MW-62	729.79	7/28/2021	ND	36.16	0.00	693.63
MW-62	729.79	8/2/2021	ND	36.35	0.00	693.44
MW-62	729.79	8/16/2021	ND	36.56	0.00	693.23
MW-62	729.79	8/26/2021	ND	36.74	0.00	693.05
MW-62	729.79	8/30/2021	ND	36.74	0.00	693.05
MW-62	729.79	9/14/2021	ND	36.97	0.00	692.82
MW-62	729.79	9/23/2021	ND	37.23	0.00	692.56
MW-62	729.79	10/6/2021	ND	37.41	0.00	692.38
MW-62	729.79	10/12/2021	ND	37.57	0.00	692.22
MW-62	729.79	10/18/2021	ND	37.73	0.00	692.06
MW-63	725.76	11/23/2020	ND	39.44	0.00	686.32
MW-63	725.76	12/7/2020	ND	39.37	0.00	686.39
MW-63	725.76	12/21/2020	ND	39.70	0.00	686.06
MW-63	725.76	12/26/2020	ND	39.69	0.00	686.07
MW-63	725.76	1/10/2021	ND	39.95	0.00	685.81

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-63	725.76	1/19/2021	ND	40.83	0.00	684.93
MW-63	725.76	1/25/2021	ND	40.88	0.00	684.88
MW-63	725.76	2/1/2021	ND	40.82	0.00	684.94
MW-63	725.76	2/8/2021	ND	41.24	0.00	684.52
MW-63	725.76	2/16/2021	ND	40.90	0.00	684.86
MW-63	725.76	2/22/2021	ND	40.85	0.00	684.91
MW-63	725.76	3/4/2021	ND	40.54	0.00	685.22
MW-63	725.76	3/8/2021	ND	40.70	0.00	685.06
MW-63	725.76	3/15/2021	ND	40.73	0.00	685.03
MW-63	725.76	3/22/2021	ND	40.69	0.00	685.07
MW-63	725.76	4/1/2021	ND	40.43	0.00	685.33
MW-63	725.76	4/12/2021	ND	40.54	0.00	685.22
MW-63	725.76	4/19/2021	ND	45.30	0.00	680.46
MW-63	725.76	4/29/2021	ND	40.24	0.00	685.52
MW-63	725.76	5/3/2021	ND	40.31	0.00	685.45
MW-63	725.76	5/10/2021	ND	40.21	0.00	685.55
MW-63	725.76	5/18/2021	ND	40.28	0.00	685.48
MW-63	725.76	5/26/2021	ND	40.10	0.00	685.66
MW-63	725.76	5/31/2021	ND	40.33	0.00	685.43
MW-63	725.76	6/7/2021	ND	40.49	0.00	685.27
MW-63	725.76	6/14/2021	ND	40.53	0.00	685.23
MW-63	725.76	6/21/2021	ND	40.59	0.00	685.17
MW-63	725.76	7/1/2021	ND	40.55	0.00	685.21
MW-63	725.76	7/6/2021	ND	40.83	0.00	684.93
MW-63	725.76	7/14/2021	ND	40.65	0.00	685.11
MW-63	725.76	7/28/2021	ND	41.15	0.00	684.61
MW-63	725.76	8/2/2021	ND	41.52	0.00	684.24
MW-63	725.76	8/16/2021	ND	41.85	0.00	683.91
MW-63	725.76	8/26/2021	ND	41.96	0.00	683.80
MW-63	725.76	8/30/2021	ND	42.38	0.00	683.38
MW-63	725.76	9/14/2021	ND	42.98	0.00	682.78
MW-63	725.76	9/23/2021	ND	43.05	0.00	682.71
MW-63	725.76	10/6/2021	ND	43.76	0.00	682.00
MW-63	725.76	10/12/2021	ND	43.90	0.00	681.86
MW-63	725.76	10/18/2021	ND	44.09	0.00	681.67
MW-64	730.39	12/26/2020	ND	38.24	0.00	692.15
MW-64	730.39	1/10/2021	ND	38.30	0.00	692.09
MW-64	730.39	1/19/2021	ND	38.24	0.00	692.15
MW-64	730.39	1/25/2021	ND	38.18	0.00	692.21
MW-64	730.39	2/1/2021	ND	38.24	0.00	692.15
MW-64	730.39	2/8/2021	ND	38.39	0.00	692.00
MW-64	730.39	2/16/2021	ND	38.19	0.00	692.20

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
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Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-64	730.39	2/22/2021	ND	38.14	0.00	692.25
MW-64	730.39	3/4/2021	ND	38.14	0.00	692.25
MW-64	730.39	3/8/2021	ND	38.23	0.00	692.16
MW-64	730.39	3/15/2021	ND	38.12	0.00	692.27
MW-64	730.39	3/22/2021	ND	38.07	0.00	692.32
MW-64	730.39	4/1/2021	ND	37.91	0.00	692.48
MW-64	730.39	4/12/2021	ND	37.86	0.00	692.53
MW-64	730.39	4/19/2021	ND	37.86	0.00	692.53
MW-64	730.39	4/29/2021	ND	37.76	0.00	692.63
MW-64	730.39	5/3/2021	ND	37.69	0.00	692.70
MW-64	730.39	5/10/2021	ND	37.72	0.00	692.67
MW-64	730.39	5/18/2021	ND	37.78	0.00	692.61
MW-64	730.39	5/26/2021	ND	37.79	0.00	692.60
MW-64	730.39	5/31/2021	ND	37.92	0.00	692.47
MW-64	730.39	6/7/2021	ND	37.83	0.00	692.56
MW-64	730.39	6/14/2021	ND	37.92	0.00	692.47
MW-64	730.39	6/21/2021	ND	38.01	0.00	692.38
MW-64	730.39	7/1/2021	ND	38.16	0.00	692.23
MW-64	730.39	7/6/2021	ND	38.27	0.00	692.12
MW-64	730.39	7/14/2021	ND	38.35	0.00	692.04
MW-64	730.39	7/28/2021	ND	38.57	0.00	691.82
MW-64	730.39	8/2/2021	ND	38.71	0.00	691.68
MW-64	730.39	8/16/2021	ND	38.93	0.00	691.46
MW-64	730.39	8/26/2021	ND	39.14	0.00	691.25
MW-64	730.39	8/30/2021	ND	39.22	0.00	691.17
MW-64	730.39	9/14/2021	ND	39.47	0.00	690.92
MW-64	730.39	9/23/2021	ND	39.70	0.00	690.69
MW-64	730.39	10/6/2021	ND	39.96	0.00	690.43
MW-64	730.39	10/12/2021	ND	40.05	0.00	690.34
MW-64	730.39	10/18/2021	ND	40.25	0.00	690.14
MW-65	714.46	12/26/2020	ND	23.38	0.00	691.08
MW-65	714.46	1/10/2021	ND	23.17	0.00	691.29
MW-65	714.46	1/19/2021	ND	23.11	0.00	691.35
MW-65	714.46	1/25/2021	ND	23.08	0.00	691.38
MW-65	714.46	2/1/2021	ND	23.06	0.00	691.40
MW-65	714.46	2/8/2021	ND	23.08	0.00	691.38
MW-65	714.46	2/16/2021	ND	22.89	0.00	691.57
MW-65	714.46	2/22/2021	ND	22.68	0.00	691.78
MW-65	714.46	3/4/2021	ND	22.45	0.00	692.01
MW-65	714.46	3/8/2021	ND	22.48	0.00	691.98
MW-65	714.46	3/15/2021	ND	22.36	0.00	692.10
MW-65	714.46	3/22/2021	ND	22.31	0.00	692.15

Table 3
Summary of Monitoring Well Gauging Data

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Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-65	714.46	4/1/2021	ND	22.03	0.00	692.43
MW-65	714.46	4/12/2021	ND	21.84	0.00	692.62
MW-65	714.46	4/19/2021	ND	21.87	0.00	692.59
MW-65	714.46	4/29/2021	ND	21.94	0.00	692.52
MW-65	714.46	5/3/2021	ND	21.96	0.00	692.50
MW-65	714.46	5/10/2021	ND	22.08	0.00	692.38
MW-65	714.46	5/18/2021	ND	22.28	0.00	692.18
MW-65	714.46	5/26/2021	ND	22.41	0.00	692.05
MW-65	714.46	5/31/2021	ND	22.56	0.00	691.90
MW-65	714.46	6/7/2021	ND	22.65	0.00	691.81
MW-65	714.46	6/14/2021	ND	22.72	0.00	691.74
MW-65	714.46	6/21/2021	ND	22.85	0.00	691.61
MW-65	714.46	7/1/2021	ND	23.06	0.00	691.40
MW-65	714.46	7/6/2021	ND	23.20	0.00	691.26
MW-65	714.46	7/14/2021	ND	23.39	0.00	691.07
MW-65	714.46	7/28/2021	ND	23.51	0.00	690.95
MW-65	714.46	8/2/2021	ND	23.67	0.00	690.79
MW-65	714.46	8/16/2021	ND	23.91	0.00	690.55
MW-65	714.46	8/26/2021	ND	24.12	0.00	690.34
MW-65	714.46	8/30/2021	ND	24.18	0.00	690.28
MW-65	714.46	9/14/2021	ND	24.43	0.00	690.03
MW-65	714.46	9/23/2021	ND	24.68	0.00	689.78
MW-65	714.46	10/6/2021	ND	24.91	0.00	689.55
MW-65	714.46	10/12/2021	ND	25.01	0.00	689.45
MW-65	714.46	10/18/2021	ND	25.22	0.00	689.24
MW-66	731.43	12/26/2020	ND	40.59	0.00	690.84
MW-66	731.43	1/10/2021	ND	38.40	0.00	693.03
MW-66	731.43	1/19/2021	ND	38.36	0.00	693.07
MW-66	731.43	1/25/2021	ND	28.38	0.00	703.05
MW-66	731.43	2/1/2021	ND	38.48	0.00	692.95
MW-66	731.43	2/8/2021	ND	38.69	0.00	692.74
MW-66	731.43	2/16/2021	ND	38.49	0.00	692.94
MW-66	731.43	2/22/2021	ND	38.46	0.00	692.97
MW-66	731.43	3/4/2021	ND	38.43	0.00	693.00
MW-66	731.43	3/8/2021	ND	38.54	0.00	692.89
MW-66	731.43	3/15/2021	ND	38.50	0.00	692.93
MW-66	731.43	3/22/2021	ND	38.57	0.00	692.86
MW-66	731.43	4/1/2021	ND	38.46	0.00	692.97
MW-66	731.43	4/12/2021	ND	38.35	0.00	693.08
MW-66	731.43	4/19/2021	ND	38.34	0.00	693.09
MW-66	731.43	4/29/2021	ND	38.28	0.00	693.15
MW-66	731.43	5/3/2021	ND	38.21	0.00	693.22

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-66	731.43	5/10/2021	ND	38.38	0.00	693.05
MW-66	731.43	5/18/2021	ND	38.58	0.00	692.85
MW-66	731.43	5/26/2021	ND	38.62	0.00	692.81
MW-66	731.43	5/31/2021	ND	38.81	0.00	692.62
MW-66	731.43	6/7/2021	ND	38.82	0.00	692.61
MW-66	731.43	6/14/2021	ND	38.91	0.00	692.52
MW-66	731.43	6/21/2021	ND	38.95	0.00	692.48
MW-66	731.43	7/1/2021	ND	39.22	0.00	692.21
MW-66	731.43	7/6/2021	ND	39.40	0.00	692.03
MW-66	731.43	7/14/2021	ND	39.52	0.00	691.91
MW-66	731.43	7/28/2021	ND	39.78	0.00	691.65
MW-66	731.43	8/2/2021	ND	39.96	0.00	691.47
MW-66	731.43	8/16/2021	ND	40.14	0.00	691.29
MW-66	731.43	8/26/2021	ND	43.30	0.00	688.13
MW-66	731.43	8/30/2021	ND	40.46	0.00	690.97
MW-66	731.43	9/14/2021	ND	40.79	0.00	690.64
MW-66	731.43	9/23/2021	ND	40.91	0.00	690.52
MW-66	731.43	10/6/2021	ND	41.23	0.00	690.20
MW-66	731.43	10/12/2021	ND	41.41	0.00	690.02
MW-66	731.43	10/18/2021	ND	41.58	0.00	689.85
MW-67	724.32	12/26/2020	ND	32.06	0.00	692.26
MW-67	724.32	1/10/2021	ND	30.96	0.00	693.36
MW-67	724.32	1/19/2021	ND	30.93	0.00	693.39
MW-67	724.32	1/25/2021	ND	30.93	0.00	693.39
MW-67	724.32	2/1/2021	ND	31.02	0.00	693.30
MW-67	724.32	2/8/2021	ND	31.20	0.00	693.12
MW-67	724.32	2/16/2021	ND	31.06	0.00	693.26
MW-67	724.32	2/22/2021	ND	31.00	0.00	693.32
MW-67	724.32	3/4/2021	ND	30.98	0.00	693.34
MW-67	724.32	3/8/2021	ND	31.07	0.00	693.25
MW-67	724.32	3/15/2021	ND	31.02	0.00	693.30
MW-67	724.32	3/22/2021	ND	31.04	0.00	693.28
MW-67	724.32	4/1/2021	ND	30.95	0.00	693.37
MW-67	724.32	4/12/2021	ND	30.77	0.00	693.55
MW-67	724.32	4/19/2021	ND	30.75	0.00	693.57
MW-67	724.32	4/29/2021	ND	30.70	0.00	693.62
MW-67	724.32	5/3/2021	ND	30.65	0.00	693.67
MW-67	724.32	5/10/2021	ND	30.76	0.00	693.56
MW-67	724.32	5/18/2021	ND	31.00	0.00	693.32
MW-67	724.32	5/26/2021	ND	31.08	0.00	693.24
MW-67	724.32	5/31/2021	ND	31.27	0.00	693.05
MW-67	724.32	6/7/2021	ND	31.29	0.00	693.03

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-67	724.32	6/14/2021	ND	31.42	0.00	692.90
MW-67	724.32	6/21/2021	ND	31.48	0.00	692.84
MW-67	724.32	7/1/2021	ND	31.73	0.00	692.59
MW-67	724.32	7/6/2021	ND	31.90	0.00	692.42
MW-67	724.32	7/14/2021	ND	32.06	0.00	692.26
MW-67	724.32	7/28/2021	ND	32.29	0.00	692.03
MW-67	724.32	8/2/2021	ND	32.45	0.00	691.87
MW-67	724.32	8/16/2021	ND	32.67	0.00	691.65
MW-67	724.32	8/26/2021	ND	32.87	0.00	691.45
MW-67	724.32	8/30/2021	ND	32.95	0.00	691.37
MW-67	724.32	9/14/2021	ND	33.25	0.00	691.07
MW-67	724.32	9/23/2021	ND	33.48	0.00	690.84
MW-67	724.32	10/6/2021	ND	33.71	0.00	690.61
MW-67	724.32	10/12/2021	ND	33.85	0.00	690.47
MW-67	724.32	10/18/2021	ND	34.05	0.00	690.27
MW-68	731.84	12/26/2020	ND	38.03	0.00	693.81
MW-68	731.84	1/10/2021	ND	38.12	0.00	693.72
MW-68	731.84	1/19/2021	ND	38.09	0.00	693.75
MW-68	731.84	1/25/2021	ND	28.22	0.00	703.62
MW-68	731.84	2/1/2021	ND	38.28	0.00	693.56
MW-68	731.84	2/8/2021	ND	38.55	0.00	693.29
MW-68	731.84	2/16/2021	ND	38.38	0.00	693.46
MW-68	731.84	2/22/2021	ND	38.30	0.00	693.54
MW-68	731.84	3/4/2021	ND	38.28	0.00	693.56
MW-68	731.84	3/8/2021	ND	38.47	0.00	693.37
MW-68	731.84	3/15/2021	ND	38.60	0.00	693.24
MW-68	731.84	3/22/2021	ND	38.63	0.00	693.21
MW-68	731.84	4/1/2021	ND	38.36	0.00	693.48
MW-68	731.84	4/12/2021	ND	38.18	0.00	693.66
MW-68	731.84	4/19/2021	ND	38.19	0.00	693.65
MW-68	731.84	4/29/2021	ND	38.09	0.00	693.75
MW-68	731.84	5/3/2021	ND	38.00	0.00	693.84
MW-68	731.84	5/10/2021	ND	38.29	0.00	693.55
MW-68	731.84	5/18/2021	ND	38.75	0.00	693.09
MW-68	731.84	5/26/2021	ND	38.72	0.00	693.12
MW-68	731.84	5/31/2021	ND	39.13	0.00	692.71
MW-68	731.84	6/7/2021	ND	41.49	0.00	690.35
MW-68	731.84	6/14/2021	ND	39.40	0.00	692.44
MW-68	731.84	6/21/2021	ND	39.15	0.00	692.69
MW-68	731.84	7/1/2021	ND	39.55	0.00	692.29
MW-68	731.84	7/6/2021	ND	40.00	0.00	691.84
MW-68	731.84	7/14/2021	ND	39.95	0.00	691.89

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-68	731.84	7/28/2021	ND	40.33	0.00	691.51
MW-68	731.84	8/2/2021	ND	40.55	0.00	691.29
MW-68	731.84	8/16/2021	ND	40.73	0.00	691.11
MW-68	731.84	8/26/2021	ND	42.20	0.00	689.64
MW-68	731.84	8/30/2021	ND	41.02	0.00	690.82
MW-68	731.84	9/14/2021	ND	41.12	0.00	690.72
MW-68	731.84	9/23/2021	ND	41.32	0.00	690.52
MW-68	731.84	10/6/2021	ND	41.80	0.00	690.04
MW-68	731.84	10/12/2021	ND	41.94	0.00	689.90
MW-68	731.84	10/18/2021	ND	42.13	0.00	689.71
MW-69	741.74	12/26/2020	ND	49.96	0.00	691.78
MW-69	741.74	1/10/2021	ND	49.70	0.00	692.04
MW-69	741.74	1/19/2021	ND	50.19	0.00	691.55
MW-69	741.74	1/25/2021	ND	50.17	0.00	691.57
MW-69	741.74	2/1/2021	ND	50.18	0.00	691.56
MW-69	741.74	2/8/2021	ND	50.44	0.00	691.30
MW-69	741.74	2/16/2021	ND	50.12	0.00	691.62
MW-69	741.74	2/22/2021	ND	50.13	0.00	691.61
MW-69	741.74	3/4/2021	ND	50.14	0.00	691.60
MW-69	741.74	3/8/2021	ND	50.29	0.00	691.45
MW-69	741.74	3/15/2021	ND	50.25	0.00	691.49
MW-69	741.74	3/22/2021	ND	50.24	0.00	691.50
MW-69	741.74	4/1/2021	ND	50.19	0.00	691.55
MW-69	741.74	4/12/2021	ND	50.52	0.00	691.22
MW-69	741.74	4/19/2021	ND	50.54	0.00	691.20
MW-69	741.74	4/29/2021	ND	50.15	0.00	691.59
MW-69	741.74	5/3/2021	ND	50.41	0.00	691.33
MW-69	741.74	5/10/2021	ND	50.72	0.00	691.02
MW-69	741.74	5/18/2021	ND	50.50	0.00	691.24
MW-69	741.74	5/26/2021	ND	50.11	0.00	691.63
MW-69	741.74	5/31/2021	ND	50.33	0.00	691.41
MW-69	741.74	6/7/2021	ND	50.38	0.00	691.36
MW-69	741.74	6/14/2021	ND	50.08	0.00	691.66
MW-69	741.74	6/21/2021	ND	50.56	0.00	691.18
MW-69	741.74	7/1/2021	ND	50.31	0.00	691.43
MW-69	741.74	7/6/2021	ND	50.45	0.00	691.29
MW-69	741.74	7/14/2021	ND	50.48	0.00	691.26
MW-69	741.74	7/28/2021	ND	50.81	0.00	690.93
MW-69	741.74	8/2/2021	ND	51.21	0.00	690.53
MW-69	741.74	8/16/2021	ND	51.29	0.00	690.45
MW-69	741.74	8/26/2021	ND	51.29	0.00	690.45
MW-69	741.74	8/30/2021	ND	51.85	0.00	689.89

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-69	741.74	9/14/2021	ND	52.09	0.00	689.65
MW-69	741.74	9/23/2021	ND	51.85	0.00	689.89
MW-69	741.74	10/6/2021	ND	52.66	0.00	689.08
MW-69	741.74	10/12/2021	ND	52.60	0.00	689.14
MW-69	741.74	10/18/2021	ND	52.77	0.00	688.97
MW-70	728.08	12/26/2020	ND	35.82	0.00	692.26
MW-70	728.08	1/10/2021	ND	35.83	0.00	692.25
MW-70	728.08	1/19/2021	ND	35.86	0.00	692.22
MW-70	728.08	1/25/2021	ND	35.82	0.00	692.26
MW-70	728.08	2/1/2021	ND	35.85	0.00	692.23
MW-70	728.08	2/8/2021	ND	36.01	0.00	692.07
MW-70	728.08	2/16/2021	ND	35.82	0.00	692.26
MW-70	728.08	2/22/2021	ND	35.79	0.00	692.29
MW-70	728.08	3/4/2021	ND	35.76	0.00	692.32
MW-70	728.08	3/8/2021	ND	35.85	0.00	692.23
MW-70	728.08	3/15/2021	ND	35.75	0.00	692.33
MW-70	728.08	3/22/2021	ND	35.70	0.00	692.38
MW-70	728.08	4/1/2021	ND	35.59	0.00	692.49
MW-70	728.08	4/12/2021	ND	35.53	0.00	692.55
MW-70	728.08	4/19/2021	ND	35.53	0.00	692.55
MW-70	728.08	4/29/2021	ND	35.42	0.00	692.66
MW-70	728.08	5/3/2021	ND	35.36	0.00	692.72
MW-70	728.08	5/10/2021	ND	35.41	0.00	692.67
MW-70	728.08	5/18/2021	ND	35.45	0.00	692.63
MW-70	728.08	5/26/2021	ND	35.48	0.00	692.60
MW-70	728.08	5/31/2021	ND	35.63	0.00	692.45
MW-70	728.08	6/7/2021	ND	35.50	0.00	692.58
MW-70	728.08	6/14/2021	ND	35.62	0.00	692.46
MW-70	728.08	6/21/2021	ND	35.71	0.00	692.37
MW-70	728.08	7/1/2021	ND	35.87	0.00	692.21
MW-70	728.08	7/6/2021	ND	35.98	0.00	692.10
MW-70	728.08	7/14/2021	ND	36.10	0.00	691.98
MW-70	728.08	7/28/2021	ND	36.32	0.00	691.76
MW-70	728.08	8/2/2021	ND	36.46	0.00	691.62
MW-70	728.08	8/16/2021	ND	36.65	0.00	691.43
MW-70	728.08	8/26/2021	ND	36.90	0.00	691.18
MW-70	728.08	8/30/2021	ND	36.95	0.00	691.13
MW-70	728.08	9/14/2021	ND	37.24	0.00	690.84
MW-70	728.08	9/23/2021	ND	37.45	0.00	690.63
MW-70	728.08	10/6/2021	ND	37.71	0.00	690.37
MW-70	728.08	10/12/2021	ND	37.80	0.00	690.28
MW-70	728.08	10/18/2021	ND	38.00	0.00	690.08

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-71	746.97	1/19/2021	ND	52.15	0.00	694.82
MW-71	746.97	1/25/2021	ND	55.34	0.00	691.63
MW-71	746.97	2/1/2021	ND	55.33	0.00	691.64
MW-71	746.97	2/8/2021	ND	55.61	0.00	691.36
MW-71	746.97	2/16/2021	ND	55.31	0.00	691.66
MW-71	746.97	2/22/2021	ND	55.25	0.00	691.72
MW-71	746.97	3/4/2021	ND	55.26	0.00	691.71
MW-71	746.97	3/8/2021	ND	55.40	0.00	691.57
MW-71	746.97	3/15/2021	ND	55.42	0.00	691.55
MW-71	746.97	3/22/2021	ND	55.41	0.00	691.56
MW-71	746.97	4/1/2021	ND	55.36	0.00	691.61
MW-71	746.97	4/12/2021	ND	55.46	0.00	691.51
MW-71	746.97	4/19/2021	ND	55.47	0.00	691.50
MW-71	746.97	4/29/2021	ND	55.32	0.00	691.65
MW-71	746.97	5/3/2021	ND	55.37	0.00	691.60
MW-71	746.97	5/10/2021	ND	55.51	0.00	691.46
MW-71	746.97	5/18/2021	ND	55.46	0.00	691.51
MW-71	746.97	5/26/2021	ND	55.32	0.00	691.65
MW-71	746.97	5/31/2021	ND	55.44	0.00	691.53
MW-71	746.97	6/7/2021	ND	55.48	0.00	691.49
MW-71	746.97	6/14/2021	ND	55.32	0.00	691.65
MW-71	746.97	6/21/2021	ND	55.56	0.00	691.41
MW-71	746.97	7/1/2021	ND	55.58	0.00	691.39
MW-71	746.97	7/6/2021	ND	55.74	0.00	691.23
MW-71	746.97	7/14/2021	ND	55.72	0.00	691.25
MW-71	746.97	7/28/2021	ND	56.06	0.00	690.91
MW-71	746.97	8/2/2021	ND	56.24	0.00	690.73
MW-71	746.97	8/16/2021	ND	56.39	0.00	690.58
MW-71	746.97	8/26/2021	ND	56.56	0.00	690.41
MW-71	746.97	8/30/2021	ND	56.85	0.00	690.12
MW-71	746.97	9/14/2021	ND	57.72	0.00	689.25
MW-71	746.97	9/23/2021	ND	57.14	0.00	689.83
MW-71	746.97	10/6/2021	ND	57.68	0.00	689.29
MW-71	746.97	10/12/2021	ND	57.74	0.00	689.23
MW-71	746.97	10/18/2021	ND	57.89	0.00	689.08
MW-72	734.81	1/19/2021	ND	43.87	0.00	690.94
MW-72	734.81	1/25/2021	ND	45.33	0.00	689.48
MW-72	734.81	2/1/2021	ND	45.43	0.00	689.38
MW-72	734.81	2/8/2021	ND	45.64	0.00	689.17
MW-72	734.81	2/16/2021	ND	45.53	0.00	689.28
MW-72	734.81	2/22/2021	ND	45.43	0.00	689.38
MW-72	734.81	3/4/2021	ND	45.45	0.00	689.36

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-72	734.81	3/8/2021	ND	45.58	0.00	689.23
MW-72	734.81	3/15/2021	ND	45.53	0.00	689.28
MW-72	734.81	3/22/2021	ND	45.51	0.00	689.30
MW-72	734.81	4/1/2021	ND	45.46	0.00	689.35
MW-72	734.81	4/12/2021	45.29	45.70	0.41	689.41
MW-72	734.81	4/19/2021	45.16	45.71	0.55	689.50
MW-72	734.81	4/29/2021	ND	47.81	0.00	687.00
MW-72	734.81	5/3/2021	ND	44.74	0.00	690.07
MW-72	734.81	5/10/2021	ARP	ARP	ARP	ARP
MW-72	734.81	5/18/2021	ARP	ARP	ARP	ARP
MW-72	734.81	5/26/2021	42.34	42.57	0.23	692.41
MW-72	734.81	5/31/2021	ARP	ARP	ARP	ARP
MW-72	734.81	6/7/2021	ARP	ARP	ARP	ARP
MW-72	734.81	6/14/2021	ARP	ARP	ARP	ARP
MW-72	734.81	6/21/2021	ARP	ARP	ARP	ARP
MW-72	734.81	7/1/2021	42.53	42.73	0.20	692.23
MW-72	734.81	7/6/2021	ARP	ARP	ARP	ARP
MW-72	734.81	7/14/2021	42.59	43.08	0.49	692.09
MW-72	734.81	7/28/2021	43.02	43.21	0.19	691.74
MW-72	734.81	8/16/2021	ARP	ARP	ARP	ARP
MW-72	734.81	8/26/2021	ND	43.75	0.00	691.06
MW-72	734.81	8/30/2021	ARP	ARP	ARP	ARP
MW-72	734.81	9/16/2021	ND	44.25	0.00	690.56
MW-72R	734.81	9/23/2021	ND	44.40	0.00	690.41
MW-72R	734.81	10/6/2021	ARP	ARP	ARP	ARP
MW-72R	734.81	10/12/2021	ARP	ARP	ARP	ARP
MW-72R	734.81	10/18/2021	ARP	ARP	ARP	ARP
MW-73	726.44	1/25/2021	ND	32.67	0.00	693.77
MW-73	726.44	2/1/2021	ND	32.68	0.00	693.76
MW-73	726.44	2/8/2021	ND	32.75	0.00	693.69
MW-73	726.44	2/16/2021	ND	32.54	0.00	693.90
MW-73	726.44	2/22/2021	ND	32.17	0.00	694.27
MW-73	726.44	3/4/2021	ND	31.94	0.00	694.50
MW-73	726.44	3/8/2021	ND	31.99	0.00	694.45
MW-73	726.44	3/15/2021	ND	31.86	0.00	694.58
MW-73	726.44	3/22/2021	ND	31.71	0.00	694.73
MW-73	726.44	4/1/2021	ND	31.39	0.00	695.05
MW-73	726.44	4/12/2021	ND	31.07	0.00	695.37
MW-73	726.44	4/19/2021	ND	30.97	0.00	695.47
MW-73	726.44	4/29/2021	ND	30.97	0.00	695.47
MW-73	726.44	5/3/2021	ND	30.98	0.00	695.46
MW-73	726.44	5/10/2021	ND	31.12	0.00	695.32

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-73	726.44	5/18/2021	ND	31.38	0.00	695.06
MW-73	726.44	5/26/2021	ND	31.48	0.00	694.96
MW-73	726.44	5/31/2021	ND	31.71	0.00	694.73
MW-73	726.44	6/7/2021	ND	31.75	0.00	694.69
MW-73	726.44	6/14/2021	ND	31.98	0.00	694.46
MW-73	726.44	6/21/2021	ND	32.15	0.00	694.29
MW-73	726.44	7/1/2021	ND	32.34	0.00	694.10
MW-73	726.44	7/6/2021	ND	32.55	0.00	693.89
MW-73	726.44	7/14/2021	ND	32.75	0.00	693.69
MW-73	726.44	7/28/2021	ND	32.92	0.00	693.52
MW-73	726.44	8/2/2021	ND	33.14	0.00	693.30
MW-73	726.44	8/16/2021	ND	33.42	0.00	693.02
MW-73	726.44	8/26/2021	ND	33.52	0.00	692.92
MW-73	726.44	8/30/2021	ND	33.65	0.00	692.79
MW-73	726.44	9/14/2021	ND	34.02	0.00	692.42
MW-73	726.44	9/23/2021	ND	34.26	0.00	692.18
MW-73	726.44	10/6/2021	ND	34.52	0.00	691.92
MW-73	726.44	10/12/2021	ND	34.67	0.00	691.77
MW-73	726.44	10/18/2021	ND	34.87	0.00	691.57
MW-74	713.48	2/16/2021	ND	20.72	0.00	692.76
MW-74	713.48	2/22/2021	ND	20.44	0.00	693.04
MW-74	713.48	3/4/2021	ND	20.26	0.00	693.22
MW-74	713.48	3/8/2021	ND	20.37	0.00	693.11
MW-74	713.48	3/15/2021	ND	20.25	0.00	693.23
MW-74	713.48	3/22/2021	ND	20.03	0.00	693.45
MW-74	713.48	4/1/2021	ND	19.72	0.00	693.76
MW-74	713.48	4/12/2021	ND	19.52	0.00	693.96
MW-74	713.48	4/19/2021	ND	19.52	0.00	693.96
MW-74	713.48	4/29/2021	ND	19.54	0.00	693.94
MW-74	713.48	5/3/2021	ND	19.54	0.00	693.94
MW-74	713.48	5/10/2021	ND	19.75	0.00	693.73
MW-74	713.48	5/18/2021	ND	30.07	0.00	683.41
MW-74	713.48	5/26/2021	ND	20.15	0.00	693.33
MW-74	713.48	5/31/2021	ND	20.43	0.00	693.05
MW-74	713.48	6/7/2021	ND	20.42	0.00	693.06
MW-74	713.48	6/14/2021	ND	20.64	0.00	692.84
MW-74	713.48	6/21/2021	ND	20.80	0.00	692.68
MW-74	713.48	7/1/2021	ND	20.99	0.00	692.49
MW-74	713.48	7/6/2021	ND	21.18	0.00	692.30
MW-74	713.48	7/14/2021	ND	21.39	0.00	692.09
MW-74	713.48	7/28/2021	ND	21.56	0.00	691.92
MW-74	713.48	8/2/2021	ND	21.70	0.00	691.78

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-74	713.48	8/16/2021	ND	22.00	0.00	691.48
MW-74	713.48	8/26/2021	ND	22.24	0.00	691.24
MW-74	713.48	8/30/2021	ND	22.27	0.00	691.21
MW-74	713.48	9/14/2021	ND	22.58	0.00	690.90
MW-74	713.48	9/23/2021	ND	22.88	0.00	690.60
MW-74	713.48	10/6/2021	ND	23.13	0.00	690.35
MW-74	713.48	10/12/2021	ND	23.23	0.00	690.25
MW-74	713.48	10/18/2021	ND	23.47	0.00	690.01
MW-75	730.05	2/16/2021	ND	37.92	0.00	692.13
MW-75	730.05	2/22/2021	ND	37.88	0.00	692.17
MW-75	730.05	3/4/2021	ND	37.86	0.00	692.19
MW-75	730.05	3/8/2021	ND	37.97	0.00	692.08
MW-75	730.05	3/15/2021	ND	37.88	0.00	692.17
MW-75	730.05	3/22/2021	ND	37.87	0.00	692.18
MW-75	730.05	4/1/2021	ND	37.80	0.00	692.25
MW-75	730.05	4/12/2021	ND	37.73	0.00	692.32
MW-75	730.05	4/19/2021	ND	37.73	0.00	692.32
MW-75	730.05	4/29/2021	ND	37.64	0.00	692.41
MW-75	730.05	5/3/2021	ND	37.61	0.00	692.44
MW-75	730.05	5/10/2021	ND	37.69	0.00	692.36
MW-75	730.05	5/18/2021	ND	37.77	0.00	692.28
MW-75	730.05	5/26/2021	ND	37.73	0.00	692.32
MW-75	730.05	5/31/2021	ND	37.86	0.00	692.19
MW-75	730.05	6/7/2021	ND	37.81	0.00	692.24
MW-75	730.05	6/14/2021	ND	37.82	0.00	692.23
MW-75	730.05	6/21/2021	ND	37.94	0.00	692.11
MW-75	730.05	7/1/2021	ND	38.09	0.00	691.96
MW-75	730.05	7/6/2021	ND	38.20	0.00	691.85
MW-75	730.05	7/14/2021	ND	38.30	0.00	691.75
MW-75	730.05	7/28/2021	ND	38.52	0.00	691.53
MW-75	730.05	8/2/2021	ND	38.69	0.00	691.36
MW-75	730.05	8/16/2021	ND	38.87	0.00	691.18
MW-75	730.05	8/26/2021	ND	39.11	0.00	690.94
MW-75	730.05	8/30/2021	ND	39.25	0.00	690.80
MW-75	730.05	9/14/2021	ND	39.54	0.00	690.51
MW-75	730.05	9/23/2021	ND	39.70	0.00	690.35
MW-75	730.05	10/6/2021	ND	40.00	0.00	690.05
MW-75	730.05	10/12/2021	ND	40.13	0.00	689.92
MW-75	730.05	10/18/2021	ND	40.28	0.00	689.77
MW-76	723.94	2/16/2021	ND	29.60	0.00	694.34
MW-76	723.94	2/22/2021	ND	29.21	0.00	694.73
MW-76	723.94	3/4/2021	ND	28.94	0.00	695.00

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-76	723.94	3/8/2021	ND	28.98	0.00	694.96
MW-76	723.94	3/15/2021	ND	28.93	0.00	695.01
MW-76	723.94	3/22/2021	ND	28.83	0.00	695.11
MW-76	723.94	4/1/2021	ND	28.46	0.00	695.48
MW-76	723.94	4/12/2021	ND	28.19	0.00	695.75
MW-76	723.94	4/19/2021	ND	28.17	0.00	695.77
MW-76	723.94	4/29/2021	ND	28.27	0.00	695.67
MW-76	723.94	5/3/2021	ND	28.31	0.00	695.63
MW-76	723.94	5/10/2021	ND	28.45	0.00	695.49
MW-76	723.94	5/18/2021	ND	28.75	0.00	695.19
MW-76	723.94	5/26/2021	ND	28.92	0.00	695.02
MW-76	723.94	5/31/2021	ND	29.14	0.00	694.80
MW-76	723.94	6/7/2021	ND	29.24	0.00	694.70
MW-76	723.94	6/14/2021	ND	29.48	0.00	694.46
MW-76	723.94	6/21/2021	ND	29.66	0.00	694.28
MW-76	723.94	7/1/2021	ND	29.90	0.00	694.04
MW-76	723.94	7/6/2021	ND	30.08	0.00	693.86
MW-76	723.94	7/14/2021	ND	30.30	0.00	693.64
MW-76	723.94	7/28/2021	ND	30.49	0.00	693.45
MW-76	723.94	8/2/2021	ND	30.70	0.00	693.24
MW-76	723.94	8/16/2021	ND	30.98	0.00	692.96
MW-76	723.94	8/26/2021	ND	31.13	0.00	692.81
MW-76	723.94	8/30/2021	ND	31.25	0.00	692.69
MW-76	723.94	9/14/2021	ND	31.59	0.00	692.35
MW-76	723.94	9/23/2021	ND	31.90	0.00	692.04
MW-76	723.94	10/6/2021	ND	32.11	0.00	691.83
MW-76	723.94	10/12/2021	ND	32.30	0.00	691.64
MW-76	723.94	10/18/2021	ND	32.51	0.00	691.43
MW-77	722.70	3/4/2021	ND	28.78	0.00	693.92
MW-77	722.70	3/8/2021	ND	28.85	0.00	693.85
MW-77	722.70	3/15/2021	ND	28.78	0.00	693.92
MW-77	722.70	3/22/2021	ND	28.74	0.00	693.96
MW-77	722.70	4/1/2021	ND	28.66	0.00	694.04
MW-77	722.70	4/12/2021	ND	28.52	0.00	694.18
MW-77	722.70	4/19/2021	ND	28.46	0.00	694.24
MW-77	722.70	4/29/2021	ND	28.39	0.00	694.31
MW-77	722.70	5/3/2021	ND	28.36	0.00	694.34
MW-77	722.70	5/10/2021	ND	28.36	0.00	694.34
MW-77	722.70	5/18/2021	ND	28.42	0.00	694.28
MW-77	722.70	5/26/2021	ND	28.38	0.00	694.32
MW-77	722.70	5/31/2021	ND	28.49	0.00	694.21
MW-77	722.70	6/7/2021	ND	28.42	0.00	694.28

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-77	722.70	6/14/2021	ND	28.46	0.00	694.24
MW-77	722.70	6/21/2021	ND	28.49	0.00	694.21
MW-77	722.70	7/1/2021	ND	28.54	0.00	694.16
MW-77	722.70	7/6/2021	ND	28.61	0.00	694.09
MW-77	722.70	7/14/2021	ND	28.69	0.00	694.01
MW-77	722.70	7/28/2021	ND	28.66	0.00	694.04
MW-77	722.70	8/2/2021	ND	28.73	0.00	693.97
MW-77	722.70	8/16/2021	ND	28.80	0.00	693.90
MW-77	722.70	8/26/2021	ND	28.48	0.00	694.22
MW-77	722.70	8/30/2021	ND	28.62	0.00	694.08
MW-77	722.70	9/14/2021	ND	28.90	0.00	693.80
MW-77	722.70	9/23/2021	ND	29.12	0.00	693.58
MW-77	722.70	10/6/2021	ND	29.26	0.00	693.44
MW-77	722.70	10/12/2021	ND	29.38	0.00	693.32
MW-77	722.70	10/18/2021	ND	29.52	0.00	693.18
MW-78	725.08	3/4/2021	ND	33.02	0.00	692.06
MW-78	725.08	3/8/2021	ND	33.07	0.00	692.01
MW-78	725.08	3/15/2021	ND	33.00	0.00	692.08
MW-78	725.08	3/22/2021	ND	32.92	0.00	692.16
MW-78	725.08	4/1/2021	ND	32.83	0.00	692.25
MW-78	725.08	4/12/2021	ND	32.69	0.00	692.39
MW-78	725.08	4/19/2021	ND	32.60	0.00	692.48
MW-78	725.08	4/29/2021	ND	32.46	0.00	692.62
MW-78	725.08	5/3/2021	ND	32.42	0.00	692.66
MW-78	725.08	5/10/2021	ND	32.42	0.00	692.66
MW-78	725.08	5/18/2021	ND	32.45	0.00	692.63
MW-78	725.08	5/26/2021	ND	32.40	0.00	692.68
MW-78	725.08	5/31/2021	ND	32.50	0.00	692.58
MW-78	725.08	6/7/2021	ND	32.50	0.00	692.58
MW-78	725.08	6/14/2021	ND	32.49	0.00	692.59
MW-78	725.08	6/21/2021	ND	32.55	0.00	692.53
MW-78	725.08	7/1/2021	ND	32.64	0.00	692.44
MW-78	725.08	7/6/2021	ND	32.75	0.00	692.33
MW-78	725.08	7/14/2021	ND	32.87	0.00	692.21
MW-78	725.08	7/28/2021	ND	32.93	0.00	692.15
MW-78	725.08	8/2/2021	ND	33.04	0.00	692.04
MW-78	725.08	8/16/2021	ND	33.19	0.00	691.89
MW-78	725.08	8/26/2021	ND	33.02	0.00	692.06
MW-78	725.08	8/30/2021	ND	33.18	0.00	691.90
MW-78	725.08	9/14/2021	ND	33.57	0.00	691.51
MW-78	725.08	9/23/2021	ND	33.81	0.00	691.27
MW-78	725.08	10/6/2021	ND	33.99	0.00	691.09

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-78	725.08	10/12/2021	ND	34.12	0.00	690.96
MW-78	725.08	10/18/2021	ND	34.28	0.00	690.80
MW-79	721.56	3/4/2021	ND	27.60	0.00	693.96
MW-79	721.56	3/8/2021	ND	27.66	0.00	693.90
MW-79	721.56	3/15/2021	ND	27.60	0.00	693.96
MW-79	721.56	3/22/2021	ND	27.50	0.00	694.06
MW-79	721.56	4/1/2021	ND	27.45	0.00	694.11
MW-79	721.56	4/12/2021	ND	27.31	0.00	694.25
MW-79	721.56	4/19/2021	ND	27.27	0.00	694.29
MW-79	721.56	4/29/2021	ND	27.22	0.00	694.34
MW-79	721.56	5/3/2021	ND	27.19	0.00	694.37
MW-79	721.56	5/10/2021	ND	27.20	0.00	694.36
MW-79	721.56	5/18/2021	ND	27.24	0.00	694.32
MW-79	721.56	5/26/2021	ND	27.21	0.00	694.35
MW-79	721.56	5/31/2021	ND	27.34	0.00	694.22
MW-79	721.56	6/7/2021	ND	27.25	0.00	694.31
MW-79	721.56	6/14/2021	ND	27.28	0.00	694.28
MW-79	721.56	6/21/2021	ND	27.30	0.00	694.26
MW-79	721.56	7/1/2021	ND	27.35	0.00	694.21
MW-79	721.56	7/6/2021	ND	27.42	0.00	694.14
MW-79	721.56	7/14/2021	ND	27.49	0.00	694.07
MW-79	721.56	7/28/2021	ND	27.44	0.00	694.12
MW-79	721.56	8/2/2021	ND	27.52	0.00	694.04
MW-79	721.56	8/16/2021	ND	27.59	0.00	693.97
MW-79	721.56	8/26/2021	ND	27.49	0.00	694.07
MW-79	721.56	8/30/2021	ND	27.49	0.00	694.07
MW-79	721.56	9/14/2021	ND	27.65	0.00	693.91
MW-79	721.56	9/23/2021	ND	27.92	0.00	693.64
MW-79	721.56	10/6/2021	ND	28.06	0.00	693.50
MW-79	721.56	10/12/2021	ND	28.17	0.00	693.39
MW-79	721.56	10/18/2021	ND	28.32	0.00	693.24
MW-80	722.65	3/4/2021	ND	28.76	0.00	693.89
MW-80	722.65	3/8/2021	ND	28.81	0.00	693.84
MW-80	722.65	3/15/2021	ND	28.72	0.00	693.93
MW-80	722.65	3/22/2021	ND	28.65	0.00	694.00
MW-80	722.65	4/1/2021	ND	28.57	0.00	694.08
MW-80	722.65	4/12/2021	ND	28.41	0.00	694.24
MW-80	722.65	4/19/2021	ND	28.31	0.00	694.34
MW-80	722.65	4/29/2021	ND	28.22	0.00	694.43
MW-80	722.65	5/3/2021	ND	NM	NM	NM
MW-80	722.65	5/10/2021	ND	28.20	0.00	694.45
MW-80	722.65	5/18/2021	ND	28.24	0.00	694.41

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-80	722.65	5/26/2021	ND	28.19	0.00	694.46
MW-80	722.65	5/31/2021	ND	28.31	0.00	694.34
MW-80	722.65	6/7/2021	ND	28.20	0.00	694.45
MW-80	722.65	6/14/2021	ND	28.25	0.00	694.40
MW-80	722.65	6/21/2021	ND	28.29	0.00	694.36
MW-80	722.65	7/1/2021	ND	28.34	0.00	694.31
MW-80	722.65	7/6/2021	ND	28.42	0.00	694.23
MW-80	722.65	7/14/2021	ND	28.52	0.00	694.13
MW-80	722.65	7/28/2021	ND	28.48	0.00	694.17
MW-80	722.65	8/2/2021	ND	28.60	0.00	694.05
MW-80	722.65	8/16/2021	ND	28.68	0.00	693.97
MW-80	722.65	8/26/2021	ND	28.55	0.00	694.10
MW-80	722.65	8/30/2021	ND	28.62	0.00	694.03
MW-80	722.65	9/14/2021	ND	28.61	0.00	694.04
MW-80	722.65	9/23/2021	ND	29.05	0.00	693.60
MW-80	722.65	10/6/2021	ND	29.16	0.00	693.49
MW-80	722.65	10/12/2021	ND	29.28	0.00	693.37
MW-80	722.65	10/18/2021	ND	29.41	0.00	693.24
MW-81	723.10	3/4/2021	ND	30.33	0.00	692.77
MW-81	723.10	3/8/2021	ND	30.34	0.00	692.76
MW-81	723.10	3/15/2021	ND	30.19	0.00	692.91
MW-81	723.10	3/22/2021	ND	30.09	0.00	693.01
MW-81	723.10	4/1/2021	ND	29.99	0.00	693.11
MW-81	723.10	4/12/2021	ND	29.79	0.00	693.31
MW-81	723.10	4/19/2021	ND	29.66	0.00	693.44
MW-81	723.10	4/29/2021	ND	29.50	0.00	693.60
MW-81	723.10	5/3/2021	ND	29.43	0.00	693.67
MW-81	722.83	5/10/2021	ND	29.38	0.00	693.45
MW-81	722.83	5/18/2021	ND	29.11	0.00	693.72
MW-81	722.83	5/26/2021	ND	29.04	0.00	693.79
MW-81	722.83	5/31/2021	ND	29.13	0.00	693.70
MW-81	722.83	6/7/2021	ND	29.04	0.00	693.79
MW-81	722.83	6/14/2021	ND	29.11	0.00	693.72
MW-81	722.83	6/21/2021	ND	29.16	0.00	693.67
MW-81	722.83	7/1/2021	ND	28.27	0.00	694.56
MW-81	722.83	7/6/2021	ND	29.37	0.00	693.46
MW-81	722.83	7/14/2021	ND	29.51	0.00	693.32
MW-81	722.83	7/28/2021	ND	29.60	0.00	693.23
MW-81	722.83	8/2/2021	ND	29.76	0.00	693.07
MW-81	722.83	8/16/2021	ND	29.90	0.00	692.93
MW-81	722.83	8/26/2021	ND	30.05	0.00	692.78
MW-81	722.83	8/30/2021	ND	30.04	0.00	692.79

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-81	722.83	9/14/2021	ND	30.21	0.00	692.62
MW-81	722.83	9/23/2021	ND	30.42	0.00	692.41
MW-81	722.83	10/6/2021	ND	30.60	0.00	692.23
MW-81	722.83	10/12/2021	ND	30.72	0.00	692.11
MW-81	722.83	10/18/2021	ND	30.87	0.00	691.96
MW-82	724.48	3/4/2021	ND	32.38	0.00	692.10
MW-82	724.48	3/8/2021	ND	32.39	0.00	692.09
MW-82	724.48	3/15/2021	ND	32.25	0.00	692.23
MW-82	724.48	3/22/2021	ND	32.04	0.00	692.44
MW-82	724.48	4/1/2021	ND	31.86	0.00	692.62
MW-82	724.48	4/12/2021	ND	32.54	0.00	691.94
MW-82	724.48	4/19/2021	ND	31.35	0.00	693.13
MW-82	724.48	4/29/2021	ND	31.24	0.00	693.24
MW-82	724.48	5/3/2021	ND	31.18	0.00	693.30
MW-82	724.27	5/10/2021	ND	31.17	0.00	693.10
MW-82	724.27	5/18/2021	ND	31.06	0.00	693.21
MW-82	724.27	5/26/2021	ND	31.09	0.00	693.18
MW-82	724.28	5/31/2021	ND	31.24	0.00	693.04
MW-82	724.28	6/7/2021	ND	31.25	0.00	693.03
MW-82	724.28	6/14/2021	ND	31.42	0.00	692.86
MW-82	724.28	6/21/2021	ND	31.55	0.00	692.73
MW-82	724.28	7/1/2021	ND	31.76	0.00	692.52
MW-82	724.28	7/6/2021	ND	31.92	0.00	692.36
MW-82	724.28	7/14/2021	ND	32.09	0.00	692.19
MW-82	724.28	7/28/2021	ND	32.31	0.00	691.97
MW-82	724.28	8/2/2021	ND	32.51	0.00	691.77
MW-82	724.28	8/16/2021	ND	32.73	0.00	691.55
MW-82	724.28	8/26/2021	ND	32.95	0.00	691.33
MW-82	724.28	8/30/2021	ND	32.99	0.00	691.29
MW-82	724.28	9/14/2021	ND	33.28	0.00	691.00
MW-82	724.28	9/23/2021	ND	33.56	0.00	690.72
MW-82	724.28	10/6/2021	ND	33.80	0.00	690.48
MW-82	724.28	10/12/2021	ND	33.96	0.00	690.32
MW-82	724.28	10/18/2021	ND	34.18	0.00	690.10
MW-83	724.91	3/8/2021	ND	32.77	0.00	692.14
MW-83	724.91	3/15/2021	ND	30.63	0.00	694.28
MW-83	724.91	3/22/2021	ND	31.63	0.00	693.28
MW-83	724.91	4/1/2021	ND	30.58	0.00	694.33
MW-83	724.91	4/12/2021	ND	30.32	0.00	694.59
MW-83	724.91	4/19/2021	ND	30.24	0.00	694.67
MW-83	724.91	4/29/2021	ND	30.22	0.00	694.69
MW-83	724.91	5/3/2021	ND	30.22	0.00	694.69

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-83	724.91	5/10/2021	ND	30.33	0.00	694.58
MW-83	724.91	5/18/2021	ND	30.38	0.00	694.53
MW-83	724.91	5/26/2021	ND	30.36	0.00	694.55
MW-83	724.91	5/31/2021	ND	30.33	0.00	694.58
MW-83	724.91	6/7/2021	ND	30.45	0.00	694.46
MW-83	724.91	6/14/2021	ND	30.45	0.00	694.46
MW-83	724.91	6/21/2021	ND	30.40	0.00	694.51
MW-83	724.91	7/1/2021	ND	30.65	0.00	694.26
MW-83	724.91	7/6/2021	ND	30.79	0.00	694.12
MW-83	724.91	7/14/2021	ND	30.87	0.00	694.04
MW-83	724.91	7/28/2021	ND	31.08	0.00	693.83
MW-83	724.91	8/2/2021	ND	31.23	0.00	693.68
MW-83	724.91	8/16/2021	ND	31.36	0.00	693.55
MW-83	724.91	8/26/2021	ND	31.44	0.00	693.47
MW-83	724.91	8/30/2021	ND	31.43	0.00	693.48
MW-83	724.91	9/14/2021	ND	31.63	0.00	693.28
MW-83	724.91	9/23/2021	ND	31.70	0.00	693.21
MW-83	724.91	10/6/2021	ND	31.93	0.00	692.98
MW-83	724.91	10/12/2021	ND	37.10	0.00	687.81
MW-83	724.91	10/18/2021	ND	32.22	0.00	692.69
MW-84	723.99	3/8/2021	ND	31.37	0.00	692.62
MW-84	723.99	3/15/2021	ND	29.60	0.00	694.39
MW-84	723.99	3/22/2021	ND	29.60	0.00	694.39
MW-84	723.99	4/1/2021	ND	29.52	0.00	694.47
MW-84	723.99	4/12/2021	ND	29.33	0.00	694.66
MW-84	723.99	4/19/2021	ND	29.25	0.00	694.74
MW-84	723.99	4/29/2021	ND	29.21	0.00	694.78
MW-84	723.99	5/3/2021	ND	29.18	0.00	694.81
MW-84	723.99	5/10/2021	ND	29.23	0.00	694.76
MW-84	723.99	5/18/2021	ND	29.38	0.00	694.61
MW-84	723.99	5/26/2021	ND	29.33	0.00	694.66
MW-84	723.99	5/31/2021	ND	29.42	0.00	694.57
MW-84	723.99	6/7/2021	ND	29.43	0.00	694.56
MW-84	723.99	6/14/2021	ND	29.44	0.00	694.55
MW-84	723.99	6/21/2021	ND	29.39	0.00	694.60
MW-84	723.99	7/1/2021	ND	29.51	0.00	694.48
MW-84	723.99	7/6/2021	ND	29.67	0.00	694.32
MW-84	723.99	7/14/2021	ND	29.75	0.00	694.24
MW-84	723.99	7/28/2021	ND	29.87	0.00	694.12
MW-84	723.99	8/2/2021	ND	29.98	0.00	694.01
MW-84	723.99	8/16/2021	ND	30.06	0.00	693.93
MW-84	723.99	8/26/2021	ND	31.40	0.00	692.59

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-84	723.99	8/30/2021	ND	30.13	0.00	693.86
MW-84	723.99	9/14/2021	ND	33.10	0.00	690.89
MW-84	723.99	9/23/2021	ND	30.39	0.00	693.60
MW-84	723.99	10/6/2021	ND	30.56	0.00	693.43
MW-84	723.99	10/12/2021	ND	30.68	0.00	693.31
MW-84	723.99	10/18/2021	ND	30.79	0.00	693.20
MW-85	727.75	3/11/2021	31.56	37.17	5.61	694.69
MW-85	727.75	3/15/2021	31.38	37.60	6.22	694.70
MW-85	727.75	3/22/2021	32.39	37.59	5.20	693.97
MW-85	725.67	4/1/2021	25.09	35.52	10.43	697.79
MW-85	725.67	4/12/2021	28.85	34.99	6.14	695.18
MW-85	725.67	4/19/2021	28.75	34.99	6.24	695.25
MW-85	725.67	4/29/2021	28.91	33.22	4.31	695.61
MW-85	725.67	5/3/2021	ARP	ARP	ARP	ARP
MW-85	725.67	5/10/2021	ARP	ARP	ARP	ARP
MW-85	725.67	5/18/2021	ARP	ARP	ARP	ARP
MW-85	725.67	5/26/2021	29.54	32.92	3.38	695.23
MW-85	725.67	5/31/2021	ARP	ARP	ARP	ARP
MW-85	725.67	6/7/2021	ARP	ARP	ARP	ARP
MW-85	725.67	6/14/2021	ARP	ARP	ARP	ARP
MW-85	725.67	6/21/2021	ARP	ARP	ARP	ARP
MW-85	725.67	7/1/2021	29.99	32.97	2.98	694.88
MW-85	725.67	7/6/2021	ARP	ARP	ARP	ARP
MW-85	725.67	7/14/2021	30.27	33.03	2.76	694.66
MW-85	725.67	7/28/2021	30.90	31.45	0.55	694.62
MW-85	725.67	8/16/2021	ARP	ARP	ARP	ARP
MW-85	725.67	8/26/2021	31.60	32.73	1.13	693.77
MW-85	725.67	8/30/2021	ARP	ARP	ARP	ARP
MW-85	725.67	9/16/2021	31.51	32.84	1.33	693.80
MW-85	725.67	9/23/2021	31.72	32.48	0.76	693.75
MW-85	725.67	10/6/2021	ARP	ARP	ARP	ARP
MW-85	725.67	10/12/2021	ARP	ARP	ARP	ARP
MW-85	725.67	10/18/2021	ARP	ARP	ARP	ARP
MW-86	724.28	3/22/2021	ND	29.58	0.00	694.70
MW-86	724.28	4/1/2021	ND	29.26	0.00	695.02
MW-86	724.28	4/12/2021	ND	28.93	0.00	695.35
MW-86	724.28	4/19/2021	ND	28.85	0.00	695.43
MW-86	724.28	4/29/2021	ND	28.86	0.00	695.42
MW-86	724.28	5/3/2021	ND	28.88	0.00	695.40
MW-86	724.28	5/10/2021	ND	29.00	0.00	695.28
MW-86	724.28	5/18/2021	ND	29.24	0.00	695.04
MW-86	724.28	5/26/2021	ND	29.36	0.00	694.92

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-86	724.28	5/31/2021	ND	29.60	0.00	694.68
MW-86	724.28	6/7/2021	ND	29.63	0.00	694.65
MW-86	724.28	6/14/2021	ND	29.85	0.00	694.43
MW-86	724.28	6/21/2021	ND	30.02	0.00	694.26
MW-86	724.28	7/1/2021	ND	30.24	0.00	694.04
MW-86	724.28	7/6/2021	ND	30.43	0.00	693.85
MW-86	724.28	7/14/2021	ND	30.64	0.00	693.64
MW-86	724.28	7/28/2021	ND	30.82	0.00	693.46
MW-86	724.28	8/2/2021	ND	31.04	0.00	693.24
MW-86	724.28	8/16/2021	ND	31.31	0.00	692.97
MW-86	724.28	8/26/2021	ND	31.50	0.00	692.78
MW-86	724.28	8/30/2021	ND	31.58	0.00	692.70
MW-86	724.28	9/14/2021	ND	31.91	0.00	692.37
MW-86	724.28	9/23/2021	ND	32.15	0.00	692.13
MW-86	724.28	10/6/2021	ND	32.41	0.00	691.87
MW-86	724.28	10/12/2021	ND	37.56	0.00	686.72
MW-86	724.28	10/18/2021	ND	32.77	0.00	691.51
MW-87	734.39	4/29/2021	ND	45.13	0.00	689.26
MW-87	734.39	5/3/2021	ND	45.02	0.00	689.37
MW-87	734.39	5/10/2021	ND	45.01	0.00	689.38
MW-87	734.39	5/18/2021	ND	44.99	0.00	689.40
MW-87	734.39	5/26/2021	ND	45.00	0.00	689.39
MW-87	734.39	5/31/2021	ND	45.03	0.00	689.36
MW-87	734.39	6/7/2021	ND	45.09	0.00	689.30
MW-87	734.39	6/14/2021	ND	45.03	0.00	689.36
MW-87	734.39	6/21/2021	ND	45.08	0.00	689.31
MW-87	734.39	7/1/2021	ND	45.15	0.00	689.24
MW-87	734.39	7/6/2021	ND	45.25	0.00	689.14
MW-87	734.39	7/14/2021	ND	45.32	0.00	689.07
MW-87	734.39	7/28/2021	ND	45.62	0.00	688.77
MW-87	734.39	8/2/2021	ND	45.81	0.00	688.58
MW-87	734.39	8/16/2021	ND	46.06	0.00	688.33
MW-87	734.39	8/26/2021	ND	46.27	0.00	688.12
MW-87	734.39	8/30/2021	ND	46.28	0.00	688.11
MW-87	734.39	9/14/2021	ND	46.72	0.00	687.67
MW-87	734.39	9/23/2021	ND	46.94	0.00	687.45
MW-87	734.39	10/6/2021	ND	47.14	0.00	687.25
MW-87	734.39	10/12/2021	ND	47.35	0.00	687.04
MW-87	734.39	10/18/2021	ND	47.52	0.00	686.87
MW-88	731.93	4/29/2021	ND	42.88	0.00	689.05
MW-88	731.93	5/3/2021	ND	42.85	0.00	689.08
MW-88	731.93	5/10/2021	ND	42.81	0.00	689.12

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-88	731.93	5/18/2021	ND	42.78	0.00	689.15
MW-88	731.93	5/26/2021	ND	42.76	0.00	689.17
MW-88	731.93	5/31/2021	ND	42.80	0.00	689.13
MW-88	731.93	6/7/2021	ND	42.82	0.00	689.11
MW-88	731.93	6/14/2021	ND	42.81	0.00	689.12
MW-88	731.93	6/21/2021	ND	42.85	0.00	689.08
MW-88	731.93	7/1/2021	ND	42.96	0.00	688.97
MW-88	731.93	7/6/2021	ND	43.03	0.00	688.90
MW-88	731.93	7/14/2021	ND	43.11	0.00	688.82
MW-88	731.93	7/28/2021	ND	43.68	0.00	688.25
MW-88	731.93	8/2/2021	ND	43.57	0.00	688.36
MW-88	731.93	8/16/2021	ND	43.84	0.00	688.09
MW-88	731.93	8/26/2021	ND	44.05	0.00	687.88
MW-88	731.93	8/30/2021	ND	44.05	0.00	687.88
MW-88	731.93	9/14/2021	ND	44.49	0.00	687.44
MW-88	731.93	9/23/2021	ND	44.74	0.00	687.19
MW-88	731.93	10/6/2021	ND	44.93	0.00	687.00
MW-88	731.93	10/12/2021	ND	45.11	0.00	686.82
MW-88	731.93	10/18/2021	ND	45.30	0.00	686.63
MW-89	734.67	4/29/2021	NM	NM	NM	NM
MW-89	734.67	5/3/2021	ND	45.06	0.00	689.61
MW-89	734.67	5/10/2021	ND	45.03	0.00	689.64
MW-89	734.67	5/18/2021	ND	44.97	0.00	689.70
MW-89	734.67	5/26/2021	ND	44.98	0.00	689.69
MW-89	734.67	5/31/2021	ND	45.01	0.00	689.66
MW-89	734.67	6/7/2021	ND	45.02	0.00	689.65
MW-89	734.67	6/14/2021	ND	45.01	0.00	689.66
MW-89	734.67	6/21/2021	ND	45.07	0.00	689.60
MW-89	734.67	7/1/2021	ND	45.15	0.00	689.52
MW-89	734.67	7/6/2021	ND	45.24	0.00	689.43
MW-89	734.67	7/14/2021	ND	45.29	0.00	689.38
MW-89	734.67	7/28/2021	ND	45.59	0.00	689.08
MW-89	734.67	8/2/2021	ND	45.78	0.00	688.89
MW-89	734.67	8/16/2021	ND	46.04	0.00	688.63
MW-89	734.67	8/26/2021	ND	46.28	0.00	688.39
MW-89	734.67	8/30/2021	ND	46.25	0.00	688.42
MW-89	734.67	9/14/2021	ND	46.69	0.00	687.98
MW-89	734.67	9/23/2021	ND	46.92	0.00	687.75
MW-89	734.67	10/6/2021	ND	37.13	0.00	697.54
MW-89	734.67	10/12/2021	ND	47.31	0.00	687.36
MW-89	734.67	10/18/2021	ND	47.50	0.00	687.17
MW-92	745.56	6/14/2021	ND	54.21	0.00	691.35

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-92	745.56	6/21/2021	ND	54.85	0.00	690.71
MW-92	745.56	7/1/2021	ND	54.41	0.00	691.15
MW-92	745.56	7/6/2021	ND	54.50	0.00	691.06
MW-92	745.56	7/14/2021	ND	54.50	0.00	691.06
MW-92	745.56	7/28/2021	ND	54.79	0.00	690.77
MW-92	745.56	8/2/2021	ND	54.96	0.00	690.60
MW-92	745.56	8/16/2021	ND	55.13	0.00	690.43
MW-92	745.56	8/26/2021	ND	55.35	0.00	690.21
MW-92	745.56	8/30/2021	ND	55.43	0.00	690.13
MW-92	745.56	9/14/2021	ND	55.82	0.00	689.74
MW-92	745.56	9/23/2021	ND	55.94	0.00	689.62
MW-92	745.56	10/6/2021	ND	56.27	0.00	689.29
MW-92	745.56	10/12/2021	ND	56.45	0.00	689.11
MW-92	745.56	10/18/2021	ND	56.57	0.00	688.99
MW-93	744.05	6/14/2021	ND	52.40	0.00	691.65
MW-93	744.05	6/21/2021	ND	52.55	0.00	691.50
MW-93	744.05	7/1/2021	ND	52.57	0.00	691.48
MW-93	744.05	7/6/2021	ND	52.68	0.00	691.37
MW-93	744.05	7/14/2021	ND	52.72	0.00	691.33
MW-93	744.05	7/28/2021	ND	52.98	0.00	691.07
MW-93	744.05	8/2/2021	ND	53.17	0.00	690.88
MW-93	744.05	8/16/2021	ND	53.31	0.00	690.74
MW-93	744.05	8/26/2021	ND	53.53	0.00	690.52
MW-93	744.05	8/30/2021	ND	53.63	0.00	690.42
MW-93	744.05	9/14/2021	ND	54.00	0.00	690.05
MW-93	744.05	9/23/2021	ND	54.10	0.00	689.95
MW-93	744.05	10/6/2021	ND	54.45	0.00	689.60
MW-93	744.05	10/12/2021	ND	54.60	0.00	689.45
MW-93	744.05	10/18/2021	ND	54.75	0.00	689.30
MW-94	719.52	9/23/2021	ND	39.88	0.00	679.64
MW-94	719.52	10/6/2021	ND	40.25	0.00	679.27
MW-94	719.52	10/12/2021	ND	40.52	0.00	679.00
MW-94	719.52	10/18/2021	ND	40.75	0.00	678.77
MW-95	701.33	10/6/2021	ND	23.04	0.00	678.29
MW-95	701.33	10/12/2021	ND	23.30	0.00	678.03
MW-95	701.33	10/18/2021	ND	23.61	0.00	677.72
MW-96	699.35	10/6/2021	ND	22.12	0.00	677.23
MW-96	699.35	10/12/2021	ND	22.39	0.00	676.96
MW-96	699.35	10/18/2021	ND	22.68	0.00	676.67
Bedrock Unit Monitoring Wells						
MW-04D	712.6314	9/23/2021	ND	26.23	0.00	686.40
MW-04D	712.6314	10/1/2021	ND	29.41	0.00	683.22

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-04D	712.6314	10/6/2021	ND	29.48	0.00	683.15
MW-04D	712.6314	10/12/2021	ND	29.64	0.00	682.99
MW-04D	712.6314	10/18/2021	ND	29.88	0.00	682.75
MW-07D	711.73	12/21/2020	ND	29.38	0.00	682.35
MW-07D	711.73	12/26/2020	ND	29.37	0.00	682.36
MW-07D	711.73	1/10/2021	NM	NM	NM	NM
MW-07D	711.73	1/19/2021	ND	29.83	0.00	681.90
MW-07D	711.73	1/25/2021	ND	29.76	0.00	681.97
MW-07D	711.73	2/1/2021	ND	29.82	0.00	681.91
MW-07D	711.73	2/8/2021	ND	29.94	0.00	681.79
MW-07D	711.73	2/16/2021	ND	29.66	0.00	682.07
MW-07D	711.73	2/22/2021	ND	29.40	0.00	682.33
MW-07D	711.73	3/4/2021	ND	29.19	0.00	682.54
MW-07D	711.73	3/8/2021	ND	29.30	0.00	682.43
MW-07D	711.73	3/15/2021	ND	29.28	0.00	682.45
MW-07D	711.73	3/22/2021	ND	29.15	0.00	682.58
MW-07D	711.73	4/1/2021	ND	28.82	0.00	682.91
MW-07D	711.73	4/12/2021	ND	28.90	0.00	682.83
MW-07D	711.73	4/19/2021	ND	28.84	0.00	682.89
MW-07D	711.73	4/29/2021	ND	28.72	0.00	683.01
MW-07D	711.73	5/3/2021	ND	28.71	0.00	683.02
MW-07D	711.73	5/10/2021	ND	28.69	0.00	683.04
MW-07D	711.73	5/18/2021	ND	28.82	0.00	682.91
MW-07D	711.73	5/26/2021	ND	28.79	0.00	682.94
MW-07D	711.73	5/31/2021	ND	28.97	0.00	682.76
MW-07D	711.73	6/7/2021	ND	29.11	0.00	682.62
MW-07D	711.73	6/14/2021	ND	29.13	0.00	682.60
MW-07D	711.73	6/21/2021	ND	29.29	0.00	682.44
MW-07D	711.73	7/1/2021	ND	29.35	0.00	682.38
MW-07D	711.73	7/6/2021	ND	29.61	0.00	682.12
MW-07D	711.73	7/14/2021	ND	29.64	0.00	682.09
MW-07D	711.73	7/28/2021	ND	30.38	0.00	681.35
MW-07D	711.73	8/2/2021	ND	30.71	0.00	681.02
MW-07D	711.73	8/16/2021	ND	31.16	0.00	680.57
MW-07D	711.73	8/26/2021	ND	30.95	0.00	680.78
MW-07D	711.73	8/30/2021	ND	32.58	0.00	679.15
MW-07D	711.73	9/14/2021	ND	32.19	0.00	679.54
MW-07D	711.73	9/23/2021	ND	31.64	0.00	680.09
MW-07D	711.73	10/1/2021	ND	32.53	0.00	676.27
MW-07D	711.73	10/6/2021	ND	35.46	0.00	679.20
MW-07D	711.73	10/12/2021	ND	33.17	0.00	678.56
MW-07D	711.73	10/18/2021	ND	33.30	0.00	678.43

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-14D	722.75	3/4/2021	ND	28.64	0.00	694.11
MW-14D	722.75	3/8/2021	ND	28.36	0.00	694.39
MW-14D	722.75	3/15/2021	ND	28.25	0.00	694.50
MW-14D	722.75	3/22/2021	ND	28.23	0.00	694.52
MW-14D	724.93	4/1/2021	ND	25.30	0.00	699.63
MW-14D	724.93	4/12/2021	ND	29.77	0.00	695.16
MW-14D	724.93	4/19/2021	ND	29.72	0.00	695.21
MW-14D	726.02	4/29/2021	ND	29.76	0.00	696.26
MW-14D	726.02	5/3/2021	ND	29.75	0.00	696.27
MW-14D	726.75	5/10/2021	ND	29.91	0.00	696.84
MW-14D	726.75	5/18/2021	ND	30.22	0.00	696.53
MW-14D	726.75	5/26/2021	ND	30.39	0.00	696.36
MW-14D	726.76	5/31/2021	ND	30.63	0.00	696.13
MW-14D	726.76	6/7/2021	ND	30.76	0.00	696.00
MW-14D	726.77	6/14/2021	ND	30.94	0.00	695.83
MW-14D	726.77	6/21/2021	ND	31.06	0.00	695.71
MW-14D	726.77	7/1/2021	ND	31.32	0.00	695.45
MW-14D	726.77	7/6/2021	ND	31.53	0.00	695.24
MW-14D	726.77	7/14/2021	ND	31.73	0.00	695.04
MW-14D	726.77	7/28/2021	ND	31.97	0.00	694.80
MW-14D	726.77	8/2/2021	ND	32.16	0.00	694.61
MW-14D	726.77	8/16/2021	ND	32.43	0.00	694.34
MW-14D	726.77	8/26/2021	ND	32.62	0.00	694.15
MW-14D	726.77	8/30/2021	ND	32.68	0.00	694.09
MW-14D	726.77	9/14/2021	ND	33.03	0.00	693.74
MW-14D	726.77	9/23/2021	ND	33.08	0.00	693.69
MW-14D	726.77	10/1/2021	ND	33.15	0.00	693.62
MW-14D	726.77	10/6/2021	ND	33.50	0.00	693.27
MW-14D	726.77	10/12/2021	ND	33.71	0.00	693.06
MW-14D	726.77	10/18/2021	ND	33.87	0.00	692.90
MW-16D	710.81	7/1/2021	ND	31.35	0.00	679.46
MW-16D	710.81	7/6/2021	ND	31.35	0.00	679.46
MW-16D	710.81	7/14/2021	ND	31.82	0.00	678.99
MW-16D	710.81	7/28/2021	ND	31.62	0.00	679.19
MW-16D	710.81	8/16/2021	ND	101.94	0.00	608.87
MW-16D	710.81	8/26/2021	ND	103.90	0.00	606.91
MW-16D	710.81	8/30/2021	ND	99.96	0.00	610.85
MW-16D	710.81	9/14/2021	ND	114.01	0.00	596.80
MW-16D	710.81	9/23/2021	ND	113.44	0.00	597.37
MW-16D	710.81	10/1/2021	ND	119.72	0.00	591.09
MW-16D	710.81	10/6/2021	ND	119.34	0.00	591.47
MW-16D	710.81	10/12/2021	ND	118.99	0.00	591.82

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-16D	710.81	10/18/2021	ND	118.55	0.00	592.26
MW-25D	733.05	12/26/2020	ND	46.90	0.00	686.15
MW-25D	733.05	1/10/2021	ND	47.10	0.00	685.95
MW-25D	733.05	1/19/2021	ND	47.93	0.00	685.12
MW-25D	733.05	1/25/2021	ND	47.80	0.00	685.25
MW-25D	733.05	2/1/2021	ND	47.69	0.00	685.36
MW-25D	733.05	2/8/2021	ND	48.05	0.00	685.00
MW-25D	733.05	2/16/2021	ND	47.82	0.00	685.23
MW-25D	733.05	2/22/2021	ND	47.65	0.00	685.40
MW-25D	733.05	3/4/2021	ND	47.34	0.00	685.71
MW-25D	733.05	3/8/2021	ND	47.52	0.00	685.53
MW-25D	733.05	3/15/2021	ND	47.48	0.00	685.57
MW-25D	733.05	3/22/2021	ND	47.46	0.00	685.59
MW-25D	733.05	4/1/2021	ND	46.29	0.00	686.76
MW-25D	733.05	4/12/2021	ND	47.31	0.00	685.74
MW-25D	733.05	4/19/2021	ND	47.26	0.00	685.79
MW-25D	733.05	4/29/2021	ND	46.96	0.00	686.09
MW-25D	733.05	5/3/2021	ND	47.11	0.00	685.94
MW-25D	733.05	5/10/2021	ND	47.07	0.00	685.98
MW-25D	733.05	5/18/2021	ND	47.28	0.00	685.77
MW-25D	733.05	5/26/2021	ND	47.05	0.00	686.00
MW-25D	733.05	5/31/2021	ND	47.31	0.00	685.74
MW-25D	733.05	6/7/2021	ND	47.54	0.00	685.51
MW-25D	733.05	6/14/2021	NM	NM	NM	NM
MW-25D	733.05	6/21/2021	ND	47.66	0.00	685.39
MW-25D	733.05	7/1/2021	ND	47.52	0.00	685.53
MW-25D	733.05	7/6/2021	ND	47.89	0.00	685.16
MW-25D	733.05	7/14/2021	ND	47.75	0.00	685.30
MW-25D	733.05	7/28/2021	ND	48.95	0.00	684.10
MW-25D	733.05	8/2/2021	ND	50.00	0.00	683.05
MW-25D	733.05	8/16/2021	ND	50.46	0.00	682.59
MW-25D	733.05	8/26/2021	ND	49.55	0.00	683.50
MW-25D	733.05	8/30/2021	ND	51.11	0.00	681.94
MW-25D	733.05	9/14/2021	ND	51.90	0.00	681.15
MW-25D	733.05	9/23/2021	ND	49.78	0.00	683.27
MW-25D	733.05	10/1/2021	ND	51.65	0.00	681.40
MW-25D	733.05	10/6/2021	ND	52.26	0.00	680.79
MW-25D	733.05	10/12/2021	ND	52.41	0.00	680.64
MW-25D	733.05	10/18/2021	ND	52.67	0.00	680.38
MW-31D	714.09	5/31/2021	ND	20.96	0.00	693.13
MW-31D	714.09	6/7/2021	ND	20.95	0.00	693.14
MW-31D	714.09	6/14/2021	ND	21.02	0.00	693.07

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-31D	714.09	6/21/2021	ND	21.05	0.00	693.04
MW-31D	714.09	7/1/2021	ND	21.10	0.00	692.99
MW-31D	714.09	7/6/2021	ND	21.22	0.00	692.87
MW-31D	714.09	7/14/2021	ND	21.29	0.00	692.80
MW-31D	714.09	7/28/2021	ND	21.27	0.00	692.82
MW-31D	714.09	8/2/2021	ND	21.44	0.00	692.65
MW-31D	714.09	8/16/2021	ND	21.57	0.00	692.52
MW-31D	714.09	8/26/2021	ND	21.68	0.00	692.41
MW-31D	714.09	8/30/2021	ND	21.65	0.00	692.44
MW-31D	714.09	9/14/2021	ND	21.86	0.00	692.23
MW-31D	714.09	9/23/2021	ND	22.13	0.00	691.96
MW-31D	714.09	10/1/2021	ND	22.26	0.00	691.83
MW-31D	714.09	10/6/2021	ND	22.25	0.00	691.84
MW-31D	714.09	10/12/2021	ND	22.36	0.00	691.73
MW-31D	714.09	10/18/2021	ND	22.47	0.00	691.62
MW-36D	710.81	12/7/2020	ND	24.81	0.00	686.00
MW-36D	710.81	12/21/2020	ND	24.46	0.00	686.35
MW-36D	710.81	12/26/2020	ND	24.49	0.00	686.32
MW-36D	710.81	1/19/2021	ND	24.14	0.00	686.67
MW-36D	710.81	1/25/2021	ND	34.19	0.00	676.62
MW-36D	710.81	2/1/2021	ND	24.21	0.00	686.60
MW-36D	710.81	2/8/2021	ND	24.12	0.00	686.69
MW-36D	710.81	2/16/2021	ND	23.93	0.00	686.88
MW-36D	710.81	2/22/2021	ND	26.35	0.00	684.46
MW-36D	710.81	3/4/2021	ND	23.44	0.00	687.37
MW-36D	710.81	3/8/2021	ND	33.42	0.00	677.39
MW-36D	710.81	3/15/2021	ND	23.40	0.00	687.41
MW-36D	710.81	3/22/2021	ND	23.28	0.00	687.53
MW-36D	710.81	4/1/2021	ND	NM	NM	NM
MW-36D	710.81	4/12/2021	ND	NM	NM	NM
MW-36D	710.81	4/19/2021	ND	NM	NM	NM
MW-36D	710.81	4/29/2021	ND	28.74	0.00	682.07
MW-36D	710.81	5/3/2021	ND	22.34	0.00	688.47
MW-36D	710.81	5/10/2021	ND	23.59	0.00	687.22
MW-36D	710.81	5/18/2021	ND	21.44	0.00	689.37
MW-36D	710.81	5/26/2021	ND	21.52	0.00	689.29
MW-36D	710.81	5/31/2021	ND	21.63	0.00	689.18
MW-36D	710.81	6/7/2021	ND	30.94	0.00	679.87
MW-36D	710.81	6/14/2021	ND	22.73	0.00	688.08
MW-36D	710.81	6/21/2021	ND	22.31	0.00	688.50
MW-36D	710.81	7/1/2021	ND	22.63	0.00	688.18
MW-36D	710.81	7/6/2021	ND	22.72	0.00	688.09

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-36D	710.81	7/14/2021	ND	23.80	0.00	687.01
MW-36D	710.81	7/28/2021	ND	29.17	0.00	681.64
MW-36D	710.81	8/2/2021	ND	24.32	0.00	686.49
MW-36D	710.81	8/16/2021	ND	26.54	0.00	684.27
MW-36D	710.81	8/26/2021	ND	26.92	0.00	683.89
MW-36D	710.81	8/30/2021	ND	27.15	0.00	683.66
MW-36D	710.81	9/14/2021	ND	27.72	0.00	683.09
MW-36D	710.81	9/23/2021	ND	27.99	0.00	682.82
MW-36D	710.81	10/1/2021	ND	29.37	0.00	681.44
MW-36D	710.81	10/6/2021	ND	28.57	0.00	682.24
MW-36D	710.81	10/12/2021	ND	28.80	0.00	682.01
MW-36D	710.81	10/18/2021	ND	29.08	0.00	681.73
MW-57D	686.44	12/7/2020	ND	11.25	0.00	675.19
MW-57D	686.44	12/21/2020	ND	10.87	0.00	675.57
MW-57D	686.44	12/26/2020	ND	10.82	0.00	675.62
MW-57D	686.44	1/10/2021	ND	10.56	0.00	675.88
MW-57D	686.44	1/19/2021	ND	10.73	0.00	675.71
MW-57D	686.44	1/25/2021	ND	10.74	0.00	675.70
MW-57D	686.44	2/1/2021	ND	10.17	0.00	676.27
MW-57D	686.44	2/8/2021	ND	10.16	0.00	676.28
MW-57D	686.44	2/16/2021	ND	9.49	0.00	676.95
MW-57D	686.44	2/22/2021	ND	6.39	0.00	680.05
MW-57D	686.44	3/4/2021	ND	9.08	0.00	677.36
MW-57D	686.44	3/8/2021	ND	9.36	0.00	677.08
MW-57D	686.44	3/15/2021	ND	9.39	0.00	677.05
MW-57D	686.44	3/22/2021	ND	8.92	0.00	677.52
MW-57D	686.44	4/1/2021	ND	8.38	0.00	678.06
MW-57D	686.44	4/12/2021	ND	8.58	0.00	677.86
MW-57D	686.44	4/19/2021	ND	8.93	0.00	677.51
MW-57D	686.44	4/29/2021	ND	9.29	0.00	677.15
MW-57D	686.44	5/3/2021	ND	8.98	0.00	677.46
MW-57D	686.44	5/10/2021	ND	9.77	0.00	676.67
MW-57D	686.44	5/18/2021	ND	10.22	0.00	676.22
MW-57D	686.44	5/26/2021	ND	10.72	0.00	675.72
MW-57D	686.44	5/31/2021	ND	11.17	0.00	675.27
MW-57D	686.44	6/7/2021	ND	11.36	0.00	675.08
MW-57D	686.44	6/14/2021	ND	11.22	0.00	675.22
MW-57D	686.44	6/21/2021	ND	11.48	0.00	674.96
MW-57D	686.44	7/1/2021	ND	11.89	0.00	674.55
MW-57D	686.44	7/6/2021	ND	12.51	0.00	673.93
MW-57D	686.44	7/14/2021	ND	12.51	0.00	673.93
MW-57D	686.44	7/28/2021	ND	12.34	0.00	674.10

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-57D	686.44	8/2/2021	ND	12.67	0.00	673.77
MW-57D	686.44	8/16/2021	ND	13.30	0.00	673.14
MW-57D	686.44	8/26/2021	ND	13.48	0.00	672.96
MW-57D	686.44	8/30/2021	ND	13.65	0.00	672.79
MW-57D	686.44	9/14/2021	ND	14.53	0.00	671.91
MW-57D	686.44	9/23/2021	ND	14.60	0.00	671.84
MW-57D	686.44	10/1/2021	ND	15.10	0.00	671.34
MW-57D	686.44	10/6/2021	ND	15.15	0.00	671.29
MW-57D	686.44	10/12/2021	ND	15.15	0.00	671.29
MW-57D	686.44	10/18/2021	ND	15.48	0.00	670.96
MW-59D	720.98	12/7/2020	ND	60.12	0.00	660.86
MW-59D	720.98	12/21/2020	ND	35.43	0.00	685.55
MW-59D	720.98	12/26/2020	ND	34.71	0.00	686.27
MW-59D	720.98	1/10/2021	ND	38.82	0.00	682.16
MW-59D	720.98	1/19/2021	ND	34.70	0.00	686.28
MW-59D	720.98	1/25/2021	ND	34.36	0.00	686.62
MW-59D	720.98	2/1/2021	ND	34.04	0.00	686.94
MW-59D	720.98	2/8/2021	ND	33.93	0.00	687.05
MW-59D	720.98	2/16/2021	ND	36.06	0.00	684.92
MW-59D	720.98	2/22/2021	ND	33.99	0.00	686.99
MW-59D	720.98	3/4/2021	ND	33.47	0.00	687.51
MW-59D	720.98	3/8/2021	ND	33.46	0.00	687.52
MW-59D	720.98	3/15/2021	ND	34.11	0.00	686.87
MW-59D	720.98	3/22/2021	ND	33.37	0.00	687.61
MW-59D	720.98	4/1/2021	ND	25.85	0.00	695.13
MW-59D	720.98	4/12/2021	ND	65.32	0.00	655.66
MW-59D	720.98	4/19/2021	ND	62.76	0.00	658.22
MW-59D	720.98	4/29/2021	ND	60.18	0.00	660.80
MW-59D	720.98	5/3/2021	ND	59.44	0.00	661.54
MW-59D	720.98	5/10/2021	ND	139.60	0.00	581.38
MW-59D	720.98	5/18/2021	ND	133.57	0.00	587.41
MW-59D	720.98	5/26/2021	ND	128.87	0.00	592.11
MW-59D	720.98	5/31/2021	ND	126.88	0.00	594.10
MW-59D	720.98	6/7/2021	ND	148.30	0.00	572.68
MW-59D	720.98	6/14/2021	ND	146.09	0.00	574.89
MW-59D	720.98	6/21/2021	ND	144.16	0.00	576.82
MW-59D	720.98	7/1/2021	ND	141.79	0.00	579.19
MW-59D	720.98	7/6/2021	ND	140.70	0.00	580.28
MW-59D	720.98	7/14/2021	ND	NM	NM	NM
MW-59D	720.98	7/28/2021	ND	159.10	0.00	561.88
MW-59D	720.98	8/2/2021	ND	158.88	0.00	562.10
MW-59D	720.98	8/16/2021	ND	158.34	0.00	562.64

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-59D	720.98	8/26/2021	ND	158.03	0.00	562.95
MW-59D	720.98	8/30/2021	ND	157.89	0.00	563.09
MW-59D	720.98	9/14/2021	ND	157.51	0.00	563.47
MW-59D	720.98	9/23/2021	NM	NM	NM	NM
MW-59D	720.98	10/1/2021	ND	157.17	0.00	563.81
MW-59D	720.98	10/6/2021	ND	157.02	0.00	563.96
MW-59D	720.98	10/12/2021	ND	156.94	0.00	564.04
MW-59D	720.98	10/18/2021	ND	156.69	0.00	564.29
MW-61D	745.40	11/23/2020	ND	NM	NM	NM
MW-61D	745.40	12/7/2020	ND	53.30	0.00	692.10
MW-61D	745.40	12/21/2020	ND	53.50	0.00	691.90
MW-61D	745.40	12/26/2020	ND	53.56	0.00	691.84
MW-61D	745.40	1/10/2021	ND	53.83	0.00	691.57
MW-61D	745.50	1/19/2021	ND	53.94	0.00	691.56
MW-61D	745.50	1/25/2021	ND	53.88	0.00	691.62
MW-61D	745.50	2/1/2021	ND	53.86	0.00	691.64
MW-61D	745.50	2/8/2021	ND	54.21	0.00	691.29
MW-61D	745.50	2/16/2021	ND	53.91	0.00	691.59
MW-61D	745.50	2/22/2021	ND	53.82	0.00	691.68
MW-61D	745.50	3/4/2021	ND	53.82	0.00	691.68
MW-61D	745.50	3/8/2021	ND	53.92	0.00	691.58
MW-61D	745.50	3/15/2021	ND	54.05	0.00	691.45
MW-61D	745.50	3/22/2021	ND	53.98	0.00	691.52
MW-61D	745.50	4/1/2021	ND	54.15	0.00	691.35
MW-61D	745.50	4/12/2021	ND	54.27	0.00	691.23
MW-61D	745.50	4/19/2021	ND	54.32	0.00	691.18
MW-61D	745.50	4/29/2021	ND	54.12	0.00	691.38
MW-61D	745.50	5/3/2021	ND	54.20	0.00	691.30
MW-61D	745.50	5/10/2021	ND	55.32	0.00	690.18
MW-61D	745.50	5/18/2021	ND	54.31	0.00	691.19
MW-61D	745.50	5/26/2021	ND	54.14	0.00	691.36
MW-61D	745.50	5/31/2021	ND	54.34	0.00	691.16
MW-61D	745.50	6/7/2021	ND	54.37	0.00	691.13
MW-61D	745.50	6/14/2021	ND	54.15	0.00	691.35
MW-61D	745.50	6/21/2021	ND	54.43	0.00	691.07
MW-61D	745.50	7/1/2021	ND	54.45	0.00	691.05
MW-61D	745.50	7/6/2021	ND	54.68	0.00	690.82
MW-61D	745.50	7/14/2021	ND	54.61	0.00	690.89
MW-61D	745.50	7/28/2021	ND	54.93	0.00	690.57
MW-61D	745.50	8/2/2021	ND	55.16	0.00	690.34
MW-61D	745.50	8/16/2021	ND	55.30	0.00	690.20
MW-61D	745.50	8/26/2021	ND	55.38	0.00	690.12

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-61D	745.50	8/30/2021	ND	56.43	0.00	689.07
MW-61D	745.50	9/14/2021	ND	56.09	0.00	689.41
MW-61D	745.50	9/23/2021	ND	55.99	0.00	689.51
MW-61D	745.50	10/1/2021	ND	56.06	0.00	689.44
MW-61D	745.50	10/6/2021	ND	56.62	0.00	688.88
MW-61D	745.50	10/12/2021	ND	56.61	0.00	688.89
MW-61D	745.50	10/18/2021	ND	56.80	0.00	688.70
MW-62D	729.92	1/19/2020	ND	54.22	0.00	675.70
MW-62D	729.92	12/7/2020	ND	54.99	0.00	674.93
MW-62D	729.92	12/21/2020	ND	54.05	0.00	675.87
MW-62D	729.92	12/26/2020	ND	54.19	0.00	675.73
MW-62D	729.92	1/10/2021	ND	54.07	0.00	675.85
MW-62D	729.92	1/25/2021	ND	54.00	0.00	675.92
MW-62D	729.92	2/1/2021	ND	54.15	0.00	675.77
MW-62D	729.92	2/8/2021	ND	53.62	0.00	676.30
MW-62D	729.92	2/16/2021	ND	53.76	0.00	676.16
MW-62D	729.92	2/22/2021	ND	53.38	0.00	676.54
MW-62D	729.92	3/4/2021	ND	53.03	0.00	676.89
MW-62D	729.92	3/8/2021	ND	53.60	0.00	676.32
MW-62D	729.92	3/15/2021	ND	53.87	0.00	676.05
MW-62D	729.92	3/22/2021	ND	53.46	0.00	676.46
MW-62D	729.92	4/1/2021	ND	52.96	0.00	676.96
MW-62D	729.92	4/12/2021	ND	53.23	0.00	676.69
MW-62D	729.92	4/19/2021	ND	53.97	0.00	675.95
MW-62D	729.92	4/29/2021	ND	53.90	0.00	676.02
MW-62D	729.92	5/3/2021	ND	53.84	0.00	676.08
MW-62D	729.92	5/10/2021	ND	54.40	0.00	675.52
MW-62D	729.92	5/18/2021	ND	53.51	0.00	676.41
MW-62D	729.92	5/26/2021	ND	54.40	0.00	675.52
MW-62D	729.92	5/31/2021	ND	54.91	0.00	675.01
MW-62D	729.92	6/7/2021	ND	54.91	0.00	675.01
MW-62D	729.92	6/14/2021	ND	55.10	0.00	674.82
MW-62D	729.92	6/21/2021	ND	54.51	0.00	675.41
MW-62D	729.92	7/1/2021	ND	54.61	0.00	675.31
MW-62D	729.92	7/6/2021	ND	55.07	0.00	674.85
MW-62D	729.92	7/14/2021	ND	55.17	0.00	674.75
MW-62D	729.92	7/28/2021	ND	55.50	0.00	674.42
MW-62D	729.92	8/2/2021	ND	55.43	0.00	674.49
MW-62D	729.92	8/16/2021	ND	55.92	0.00	674.00
MW-62D	729.92	8/26/2021	ND	55.83	0.00	674.09
MW-62D	729.92	8/30/2021	ND	56.36	0.00	673.56
MW-62D	729.92	9/14/2021	ND	56.26	0.00	673.66

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-62D	729.92	9/23/2021	ND	56.42	0.00	673.50
MW-62D	729.92	10/1/2021	ND	37.31	0.00	692.61
MW-62D	729.92	10/6/2021	ND	57.29	0.00	672.63
MW-62D	729.92	10/12/2021	ND	59.48	0.00	670.44
MW-62D	729.92	10/18/2021	ND	58.05	0.00	671.87
MW-65D	714.15	12/26/2020	ND	23.15	0.00	691.00
MW-65D	714.15	1/10/2021	ND	22.93	0.00	691.22
MW-65D	714.15	1/19/2021	ND	22.95	0.00	691.20
MW-65D	714.15	2/1/2021	ND	22.76	0.00	691.39
MW-65D	714.15	2/8/2021	ND	22.89	0.00	691.26
MW-65D	714.15	2/16/2021	ND	22.62	0.00	691.53
MW-65D	714.15	2/22/2021	ND	22.53	0.00	691.62
MW-65D	714.15	3/4/2021	ND	22.31	0.00	691.84
MW-65D	714.15	3/8/2021	ND	22.38	0.00	691.77
MW-65D	714.15	3/15/2021	ND	22.22	0.00	691.93
MW-65D	714.15	3/22/2021	ND	22.12	0.00	692.03
MW-65D	714.15	4/1/2021	ND	21.79	0.00	692.36
MW-65D	714.15	4/12/2021	ND	21.78	0.00	692.37
MW-65D	714.15	4/19/2021	ND	21.75	0.00	692.40
MW-65D	714.15	4/29/2021	ND	21.78	0.00	692.37
MW-65D	714.15	5/3/2021	ND	21.79	0.00	692.36
MW-65D	714.15	5/10/2021	ND	21.94	0.00	692.21
MW-65D	714.15	5/18/2021	ND	22.14	0.00	692.01
MW-65D	714.15	5/26/2021	ND	22.23	0.00	691.92
MW-65D	714.15	5/31/2021	ND	22.43	0.00	691.72
MW-65D	714.15	6/7/2021	ND	22.51	0.00	691.64
MW-65D	714.15	6/14/2021	ND	22.57	0.00	691.58
MW-65D	714.15	6/21/2021	ND	22.72	0.00	691.43
MW-65D	714.15	7/1/2021	ND	22.86	0.00	691.29
MW-65D	714.15	7/6/2021	ND	23.05	0.00	691.10
MW-65D	714.15	7/14/2021	ND	23.23	0.00	690.92
MW-65D	714.15	7/28/2021	ND	23.31	0.00	690.84
MW-65D	714.15	8/2/2021	ND	23.48	0.00	690.67
MW-65D	714.15	8/16/2021	ND	23.73	0.00	690.42
MW-65D	714.15	8/26/2021	ND	23.92	0.00	690.23
MW-65D	714.15	8/30/2021	ND	23.98	0.00	690.17
MW-65D	714.15	9/14/2021	ND	24.33	0.00	689.82
MW-65D	714.15	9/23/2021	ND	24.55	0.00	689.60
MW-65D	714.15	10/1/2021	ND	24.68	0.00	689.47
MW-65D	714.15	10/6/2021	ND	23.91	0.00	690.24
MW-65D	714.15	10/12/2021	ND	25.87	0.00	688.28
MW-65D	714.15	10/18/2021	ND	25.06	0.00	689.09

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
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Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-79D	720.52	3/4/2021	ND	85.61	0.00	634.91
MW-79D	720.52	3/8/2021	ND	42.71	0.00	677.81
MW-79D	720.52	3/15/2021	ND	44.79	0.00	675.73
MW-79D	720.52	3/22/2021	ND	44.53	0.00	675.99
MW-79D	721.56	4/1/2021	ND	40.69	0.00	680.87
MW-79D	721.56	4/12/2021	ND	41.05	0.00	680.51
MW-79D	721.56	4/19/2021	ND	41.85	0.00	679.71
MW-79D	721.56	4/29/2021	ND	41.85	0.00	679.71
MW-79D	721.56	5/3/2021	ND	41.76	0.00	679.80
MW-79D	717.32	5/10/2021	ND	41.31	0.00	676.01
MW-79D	717.32	5/18/2021	ND	41.47	0.00	675.85
MW-79D	717.32	5/26/2021	ND	42.37	0.00	674.95
MW-79D	717.32	5/31/2021	ND	42.88	0.00	674.44
MW-79D	717.32	6/7/2021	ND	42.88	0.00	674.44
MW-79D	717.32	6/14/2021	ND	43.04	0.00	674.28
MW-79D	717.32	6/21/2021	ND	42.46	0.00	674.86
MW-79D	717.32	7/1/2021	ND	42.60	0.00	674.72
MW-79D	717.32	7/6/2021	ND	43.02	0.00	674.30
MW-79D	717.32	7/14/2021	ND	43.17	0.00	674.15
MW-79D	717.32	7/28/2021	ND	43.44	0.00	673.88
MW-79D	717.32	8/2/2021	ND	43.38	0.00	673.94
MW-79D	717.32	8/16/2021	ND	43.92	0.00	673.40
MW-79D	717.32	8/26/2021	ND	43.69	0.00	673.63
MW-79D	717.32	8/30/2021	ND	44.44	0.00	672.88
MW-79D	717.32	9/14/2021	ND	44.29	0.00	673.03
MW-79D	717.32	9/23/2021	ND	44.28	0.00	673.04
MW-79D	717.32	10/1/2021	ND	45.26	0.00	672.06
MW-79D	717.32	10/6/2021	ND	45.34	0.00	671.98
MW-79D	717.32	10/12/2021	ND	47.16	0.00	670.16
MW-79D	717.32	10/18/2021	ND	45.97	0.00	671.35
MW-81D	720.45	6/21/2021	ND	45.24	0.00	675.21
MW-81D	720.45	7/1/2021	ND	45.38	0.00	675.07
MW-81D	720.45	7/6/2021	ND	45.87	0.00	674.58
MW-81D	720.45	7/14/2021	ND	45.97	0.00	674.48
MW-81D	720.45	7/28/2021	ND	46.16	0.00	674.29
MW-81D	720.45	8/2/2021	ND	46.24	0.00	674.21
MW-81D	720.45	8/16/2021	ND	46.74	0.00	673.71
MW-81D	720.45	8/26/2021	ND	46.60	0.00	673.85
MW-81D	720.45	8/30/2021	ND	47.30	0.00	673.15
MW-81D	720.45	9/14/2021	ND	47.07	0.00	673.38
MW-81D	720.45	9/23/2021	ND	47.20	0.00	673.25
MW-81D	720.45	10/1/2021	ND	47.33	0.00	673.12

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
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Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-81D	720.45	10/6/2021	ND	48.09	0.00	672.36
MW-81D	720.45	10/12/2021	ND	49.47	0.00	670.98
MW-81D	720.45	10/18/2021	ND	48.76	0.00	671.69
MW-89D	731.52	8/30/2021	ND	47.35	0.00	684.17
MW-89D	731.52	9/14/2021	ND	49.07	0.00	682.45
MW-89D	731.52	9/23/2021	ND	49.29	0.00	682.23
MW-89D	731.52	10/1/2021	ND	49.51	0.00	682.01
MW-89D	731.52	10/6/2021	ND	49.50	0.00	682.02
MW-89D	731.52	10/12/2021	ND	49.65	0.00	681.87
MW-89D	731.52	10/18/2021	ND	49.86	0.00	681.66
MW-90D	730.09	5/26/2021	35.13	45.41	10.28	692.21
MW-90D	730.09	5/31/2021	ARP	ARP	ARP	ARP
MW-90D	730.09	6/7/2021	ARP	ARP	ARP	ARP
MW-90D	730.09	6/14/2021	ARP	ARP	ARP	ARP
MW-90D	730.09	6/21/2021	ARP	ARP	ARP	ARP
MW-90D	730.09	7/1/2021	34.41	45.77	11.36	692.64
MW-90D	730.09	7/6/2021	ARP	ARP	ARP	ARP
MW-90D	730.09	7/14/2021	37.54	39.02	1.48	692.15
MW-90D	730.09	7/28/2021	38.20	39.42	1.22	691.56
MW-90D	730.09	8/16/2021	ARP	ARP	ARP	ARP
MW-90D	730.09	8/26/2021	48.95	50.70	1.75	680.67
MW-90D	730.09	8/30/2021	ARP	ARP	ARP	ARP
MW-90D	730.09	9/16/2021	40.58	40.74	0.16	689.47
MW-90D	730.09	9/23/2021	40.48	41.69	1.21	689.29
MW-90D	730.09	10/12/2021	ARP	ARP	ARP	ARP
MW-90D	730.09	10/18/2021	ARP	ARP	ARP	ARP
MW-90DD	731.00	9/23/2021	ND	122.45	0.00	608.55
MW-90DD	731.00	10/1/2021	ND	98.93	0.00	632.07
MW-90DD	731.00	10/6/2021	ND	91.89	0.00	639.11
MW-90DD	731.00	10/12/2021	ND	78.43	0.00	652.57
MW-90DD	731.00	10/18/2021	ND	70.84	0.00	660.16
MW-91D	735.84	5/26/2021	38.46	53.25	14.79	693.42
MW-91D	735.84	5/31/2021	ARP	ARP	ARP	ARP
MW-91D	735.84	6/7/2021	ARP	ARP	ARP	ARP
MW-91D	735.84	6/14/2021	ARP	ARP	ARP	ARP
MW-91D	735.84	6/21/2021	ARP	ARP	ARP	ARP
MW-91D	735.84	7/1/2021	40.93	47.81	6.88	693.07
MW-91D	735.84	7/6/2021	ARP	ARP	ARP	ARP
MW-91D	735.84	7/14/2021	42.86	44.65	1.79	692.50
MW-91D	735.84	7/28/2021	43.45	45.05	1.60	691.96
MW-91D	735.84	8/16/2021	ARP	ARP	ARP	ARP
MW-91D	735.84	8/26/2021	NP	45.24	0.00	690.60

Table 3
Summary of Monitoring Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
MW-91D	735.84	8/30/2021	ARP	ARP	ARP	ARP
MW-91D	735.84	9/16/2021	45.49	46.92	1.43	689.97
MW-91D	735.84	9/23/2021	45.43	47.05	1.62	689.98
MW-91D	735.84	10/12/2021	ARP	ARP	ARP	ARP
MW-91D	735.84	10/18/2021	ARP	ARP	ARP	ARP
MW-91DD	735.19	9/23/2021	ND	196.36	0.00	538.83
MW-91DD	735.19	10/1/2021	ND	190.38	0.00	544.81
MW-91DD	735.19	10/6/2021	ND	193.16	0.00	542.03
MW-91DD	735.19	10/12/2021	ND	187.03	0.00	548.16
MW-91DD	735.19	10/18/2021	ND	182.15	0.00	553.04
MW-97D	NM	10/18/2021	ND	23.42	0.00	NM

Notes:

ft btoc = Feet Below Top of Casing

N/A = Not Applicable

MW = Monitoring Well

ND = Not Detected

ARP = Active Recovery Pump in Well

NM = Not Measured

[1] = Elevations surveyed in feet using the NAVD88 vertical datum

[2] = Corrected Groundwater Elevation = (Top of Casing - Depth to Water) + (Free Product Thickness x 0.7324)

A = Top Of Casing resurveyed

B = Initial well reinstalled

Low= Two standard deviations below average

High = Two standard deviations above average

Table 4
Summary of Recovery Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
RW-01	733.43	9/1/2020	28.60	36.95	8.35	702.59
RW-01	733.43	9/3/2020	30.60	35.95	5.35	701.39
RW-01	733.43	9/5/2020	29.11	37.05	7.94	702.19
RW-01	733.43	9/8/2020	29.40	36.95	7.55	702.00
RW-01	733.43	9/9/2020	29.50	37.10	7.60	701.89
RW-01	733.43	9/12/2020	30.00	36.95	6.95	701.57
RW-01	733.43	9/14/2020	30.00	37.20	7.20	701.50
RW-01	733.43	9/18/2020	30.80	37.00	6.20	700.97
RW-01	733.43	9/28/2020	31.15	37.00	5.85	700.71
RW-01	733.43	10/2/2020	31.30	37.15	5.85	700.56
RW-01	733.43	10/7/2020	31.65	37.20	5.55	700.29
RW-01	733.43	10/19/2020	32.12	37.00	4.88	700.00
RW-01	733.43	11/9/2020	33.10	37.13	4.03	699.25
RW-01	733.43	11/23/2020	33.45	37.18	3.73	698.98
RW-01	733.43	12/26/2020	32.81	32.82	0.01	700.61
RW-01	733.43	2/1/2021	33.57	35.48	1.91	699.34
RW-01	732.08	3/4/2021	34.24	35.71	1.47	697.45
RW-01	732.08	4/1/2021	35.21	35.72	0.51	696.74
RW-01	732.09	4/29/2021	35.11	35.73	0.62	696.81
RW-01	732.09	5/26/2021	Dry	Dry	Dry	Dry
RW-01	732.09	5/31/2021	Dry	Dry	Dry	Dry
RW-01	732.09	6/9/2021	Dry	Dry	Dry	Dry
RW-01	732.09	7/1/2021	Dry	Dry	Dry	Dry
RW-01	732.09	7/14/2021	Dry	Dry	Dry	Dry
RW-01	732.09	7/28/2021	Dry	Dry	Dry	Dry
RW-01	732.09	8/26/2021	Dry	Dry	Dry	Dry
RW-01	732.09	9/16/2021	Dry	Dry	Dry	Dry
RW-01	732.09	9/23/2021	Dry	Dry	Dry	Dry
RW-02	731.66	9/1/2020	27.30	39.60	12.30	701.07
RW-02	731.66	9/5/2020	27.66	39.67	12.01	700.79
RW-02	731.66	9/8/2020	27.90	39.65	11.75	700.62
RW-02	731.66	9/9/2020	28.65	39.65	11.00	700.07
RW-02	731.66	9/12/2020	28.43	38.95	10.52	700.41
RW-02	731.66	9/14/2020	28.43	39.70	11.27	700.21
RW-02	731.66	9/18/2020	29.10	38.60	9.50	700.02
RW-02	731.66	9/28/2020	29.52	39.42	9.90	699.49
RW-02	731.66	10/2/2020	29.70	39.70	10.00	699.28
RW-02	731.66	10/7/2020	30.04	39.68	9.64	699.04
RW-02	731.66	10/19/2020	30.45	39.65	9.20	698.75
RW-02	731.66	11/9/2020	31.38	39.65	8.27	698.07
RW-02	731.66	11/23/2020	ND	31.80	0.00	699.86
RW-02	731.66	12/26/2020	ND	37.81	0.00	693.85
RW-02	731.66	2/1/2021	ND	33.39	0.00	698.27
RW-02	732.05	3/4/2021	33.97	38.32	4.35	696.92

Table 4
Summary of Recovery Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
RW-02	732.05	4/1/2021	34.79	36.17	1.38	696.89
RW-02	732.05	4/29/2021	34.82	35.40	0.58	697.07
RW-02	732.05	5/26/2021	35.57	36.50	0.93	696.23
RW-02	732.05	6/9/2021	36.00	36.92	0.92	695.80
RW-02	732.05	7/1/2021	36.53	37.13	0.60	695.36
RW-02	732.05	7/14/2021	36.98	37.73	0.75	694.86
RW-02	732.05	7/28/2021	37.23	38.06	0.83	694.60
RW-02	732.05	8/26/2021	37.65	38.83	1.18	694.09
RW-02	732.05	9/16/2021	ND	37.82	0.00	694.23
RW-02	732.05	9/23/2021	37.83	39.95	2.12	693.66
RW-03	731.51	9/1/2020	34.15	37.55	3.40	696.45
RW-03	731.51	9/3/2020	37.20	37.26	0.06	694.30
RW-03	731.51	9/5/2020	35.50	37.44	1.94	695.49
RW-03	731.51	9/8/2020	34.80	35.95	1.15	696.40
RW-03	731.51	9/9/2020	33.95	38.80	4.85	696.26
RW-03	731.51	9/11/2020	34.92	36.60	1.68	696.14
RW-03	731.51	9/12/2020	34.85	36.35	1.50	696.26
RW-03	731.51	9/14/2020	33.91	36.97	3.06	696.78
RW-03	731.51	9/18/2020	34.20	37.10	2.90	696.54
RW-03	731.51	9/28/2020	33.85	37.55	3.70	696.67
RW-03	731.51	10/2/2020	34.72	38.17	3.45	695.87
RW-03	731.51	10/6/2020	33.55	38.80	5.25	696.56
RW-03	731.51	10/19/2020	33.00	38.89	5.89	696.94
RW-03	731.51	11/9/2020	33.31	38.84	5.53	696.72
RW-03	731.51	12/26/2020	31.85	36.45	4.60	698.43
RW-03	731.51	2/1/2021	31.66	36.52	4.86	698.55
RW-03	731.51	3/4/2021	32.01	36.53	4.52	698.29
RW-03	731.51	4/1/2021	ND	32.31	0.00	699.20
RW-03	731.51	4/29/2021	32.05	36.54	4.49	698.26
RW-03	731.51	5/26/2021	32.51	38.00	5.49	697.53
RW-03	731.51	6/9/2021	32.67	36.60	3.93	697.79
RW-03	731.51	7/1/2021	33.08	NW	>3.92	NW
RW-03	731.51	7/14/2021	33.31	36.51	3.20	697.35
RW-03	731.51	7/28/2021	33.75	NW	>3.20	NW
RW-03	731.51	8/26/2021	34.49	36.60	2.11	696.46
RW-03	731.51	9/16/2021	35.08	NW	>1.92	NW
RW-03	731.51	9/23/2021	35.37	36.59	1.22	695.82
RW-04	729.41	9/3/2020	*36.10*	*37.60*	1.50	692.91
RW-04	729.41	9/5/2020	*32.10*	*35.81*	3.71	696.32
RW-04	729.41	9/8/2020	*31.35*	*36.20*	4.85	696.76
RW-04	729.41	9/11/2020	*31.85*	*34.85*	3.00	696.76
RW-04	729.41	9/12/2020	*32.60*	*35.15*	2.55	696.13
RW-04	729.41	9/14/2020	*31.00*	*35.00*	4.00	697.34
RW-04	729.41	9/18/2020	30.60	33.80	3.20	697.95

Table 4
Summary of Recovery Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
RW-04	729.41	9/28/2020	28.00	36.70	8.70	699.08
RW-04	729.41	10/2/2020	27.93	37.00	9.07	699.05
RW-04	729.41	10/5/2020	28.20	36.95	8.75	698.87
RW-04	729.41	10/19/2020	28.60	37.00	8.40	698.56
RW-04	729.41	11/9/2020	30.16	36.18	6.02	697.64
RW-04	729.41	11/23/2020	30.00	36.54	6.54	697.66
RW-04	729.41	12/26/2020	38.25	47.20	8.95	688.76
RW-04	729.41	2/1/2021	30.99	33.05	2.06	697.87
RW-04	729.41	3/4/2021	32.28	35.51	3.23	696.26
RW-04	729.41	4/1/2021	ND	32.42	0.00	696.99
RW-04	729.41	4/29/2021	32.43	35.74	3.31	696.09
RW-04	729.41	5/26/2021	33.83	34.29	0.46	695.46
RW-04	729.41	6/9/2021	34.28	34.69	0.41	695.02
RW-04	729.41	7/1/2021	34.68	35.32	0.64	694.56
RW-04	729.41	7/14/2021	35.14	35.52	0.38	694.17
RW-04	729.41	7/28/2021	32.96	33.02	0.06	696.43
RW-04	729.41	8/26/2021	35.17	36.04	0.87	694.01
RW-04	729.41	9/16/2021	36.37	36.48	0.11	693.01
RW-04	729.41	9/23/2021	36.32	36.54	0.22	693.03
RW-05	726.29	9/1/2020	27.00	32.55	5.55	697.81
RW-05	726.29	9/3/2020	*31.65*	*36.65*	5.00	693.30
RW-05	726.29	9/5/2020	*26.75*	*33.31*	6.56	697.79
RW-05	726.29	9/8/2020	26.04	33.30	7.26	698.31
RW-05	726.29	9/11/2020	26.60	31.60	5.00	698.35
RW-05	726.29	9/12/2020	27.15	29.60	2.45	698.49
RW-05	726.29	9/14/2020	26.80	29.92	3.12	698.66
RW-05	726.29	9/18/2020	27.70	28.80	1.10	698.30
RW-05	726.29	9/28/2020	27.60	29.35	1.75	698.22
RW-05	726.29	10/2/2020	27.30	31.30	4.00	697.92
RW-05	726.29	10/5/2020	27.13	32.00	4.87	697.86
RW-05	726.29	10/19/2020	25.90	36.76	10.86	697.48
RW-05	726.29	11/9/2020	26.95	35.93	8.98	696.94
RW-05	726.29	11/23/2020	27.40	30.30	2.90	698.11
RW-05	726.29	12/26/2020	29.70	32.30	2.60	695.90
RW-05	726.29	2/1/2021	29.81	31.90	2.09	695.92
RW-05	726.29	3/4/2021	ND	30.03	0.00	696.26
RW-05	726.29	4/1/2021	ND	29.64	0.00	696.65
RW-05	726.29	4/29/2021	29.85	29.87	0.02	696.44
RW-05	726.29	5/26/2021	30.37	30.85	0.48	695.79
RW-05	726.29	6/9/2021	30.70	31.05	0.35	695.50
RW-05	726.29	7/1/2021	31.23	31.49	0.26	694.99
RW-05	726.29	7/14/2021	31.59	31.83	0.24	694.64
RW-05	726.29	7/28/2021	31.80	31.84	0.04	694.48
RW-05	726.29	8/26/2021	32.31	32.40	0.09	693.96

Table 4
Summary of Recovery Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
RW-05	726.29	9/16/2021	32.63	32.88	0.25	693.59
RW-05	726.29	9/23/2021	32.73	32.93	0.20	693.51
RW-06	734.78	9/1/2020	*37.65*	*43.85*	6.20	695.47
RW-06	734.78	9/3/2020	*44.70*	*45.10*	0.40	689.97
RW-06	734.78	9/5/2020	*38.33*	*43.73*	5.40	695.00
RW-06	734.78	9/8/2020	45.22	45.50	0.28	689.48
RW-06	734.78	9/9/2020	37.42	43.32	5.90	695.78
RW-06	734.78	9/11/2020	39.30	42.55	3.25	694.61
RW-06	734.78	9/12/2020	38.35	41.70	3.35	695.53
RW-06	734.78	9/14/2020	37.25	42.00	4.75	696.26
RW-06	734.78	9/18/2020	38.90	43.15	4.25	694.74
RW-06	734.78	9/28/2020	36.05	47.53	11.48	695.65
RW-06	734.78	10/2/2020	37.00	43.50	6.50	696.04
RW-06	734.78	10/5/2020	36.95	44.47	7.52	695.81
RW-06	734.78	10/19/2020	36.76	47.73	10.97	695.08
RW-06	734.78	11/9/2020	37.50	46.91	9.41	694.76
RW-06	734.78	11/23/2020	37.80	46.80	9.00	694.57
RW-06	734.78	12/26/2020	28.07	36.03	7.96	704.58
RW-06	734.78	2/1/2021	39.36	45.89	6.53	693.67
RW-06	734.78	3/4/2021	39.98	45.07	5.09	693.43
RW-06	734.78	4/1/2021	40.50	45.39	4.89	692.97
RW-06	734.78	4/29/2021	40.49	44.47	3.98	693.23
RW-06	734.78	5/26/2021	41.39	44.19	2.80	692.64
RW-06	734.78	6/9/2021	42.20	43.39	1.19	692.26
RW-06	734.78	7/1/2021	42.67	44.06	1.39	691.74
RW-06	734.78	7/14/2021	42.57	45.93	3.36	691.31
RW-06	734.78	7/28/2021	42.73	45.93	3.20	691.19
RW-06	734.78	8/26/2021	43.75	45.62	1.87	690.53
RW-06	734.78	9/16/2021	44.73	45.14	0.41	689.94
RW-06	734.78	9/23/2021	44.76	45.32	0.56	689.87
RW-07	726.92	9/5/2020	34.20	41.55	7.35	690.75
RW-07	726.92	9/8/2020	33.70	46.00	12.30	689.92
RW-07	726.92	9/9/2020	37.45	40.82	3.37	688.56
RW-07	726.92	9/10/2020	36.40	39.90	3.50	689.58
RW-07	726.92	9/12/2020	33.52	45.60	12.08	690.16
RW-07	726.92	9/14/2020	34.01	40.09	6.08	691.28
RW-07	726.92	9/18/2020	36.50	42.30	5.80	688.86
RW-07	726.92	9/28/2020	32.50	45.30	12.80	690.99
RW-07	726.92	10/2/2020	33.52	40.95	7.43	691.41
RW-07	726.92	10/6/2020	33.50	42.83	9.33	690.92
RW-07	726.92	10/19/2020	32.80	46.13	13.33	690.55
RW-07	726.92	11/9/2020	33.30	46.20	12.90	690.16
RW-07	726.92	11/23/2020	33.40	45.70	12.30	690.22
RW-07	726.92	10/21/2020	32.80	46.13	13.33	690.55

Table 4
Summary of Recovery Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
RW-07	726.92	12/26/2020	31.87	33.51	1.64	694.61
RW-07	726.92	2/1/2021	33.56	39.93	6.37	691.65
RW-07	726.92	3/4/2021	33.74	39.95	6.21	691.51
RW-07	726.92	4/1/2021	33.91	39.98	6.07	691.38
RW-07	726.92	4/29/2021	33.82	39.59	5.77	691.55
RW-07	726.92	5/26/2021	34.20	39.67	5.47	691.25
RW-07	726.92	6/9/2021	34.32	39.80	5.48	691.13
RW-07	726.92	7/1/2021	34.40	41.42	7.02	690.64
RW-07	726.92	7/14/2021	34.85	39.93	5.08	690.71
RW-07	726.92	7/28/2021	35.17	40.92	5.75	690.21
RW-07	726.92	8/26/2021	36.07	41.35	5.28	689.44
RW-07	726.92	9/16/2021	36.81	41.44	4.63	688.87
RW-07	726.92	9/23/2021	37.37	40.79	3.42	688.64
RW-08	730.40	9/6/2020	ND	38.36	0.00	692.04
RW-08	730.40	9/8/2020	ND	38.32	0.00	692.08
RW-08	730.40	9/14/2020	ND	31.89	0.00	698.51
RW-08	730.40	10/9/2020	ND	31.66	0.00	698.74
RW-08	730.40	10/19/2020	32.21	35.93	3.72	697.20
RW-08	730.40	11/9/2020	ND	33.42	0.00	696.98
RW-08	730.40	11/23/2020	33.56	35.98	2.42	696.20
RW-08	730.40	12/26/2020	ND	33.75	0.00	696.65
RW-08	730.40	1/19/2021	34.25	35.95	1.70	695.70
RW-08	730.40	1/25/2021	34.44	36.01	1.57	695.54
RW-08	730.40	2/1/2021	DRY	DRY	DRY	DRY
RW-08	730.40	2/8/2021	35.19	DRY	>0.92	DRY
RW-08	730.40	2/16/2021	35.44	36.01	0.57	694.81
RW-08	730.40	2/22/2021	ND	35.62	0.00	694.78
RW-08	730.40	3/4/2021	ND	35.88	0.00	694.52
RW-08	730.40	3/8/2021	ND	36.04	0.00	694.36
RW-08	730.40	3/15/2021	36.01	36.05	0.04	694.38
RW-08	730.40	4/1/2021	DRY	DRY	DRY	DRY
RW-08	730.40	4/12/2021	DRY	DRY	DRY	DRY
RW-08	730.40	4/19/2021	DRY	DRY	DRY	DRY
RW-08	730.40	4/29/2021	DRY	DRY	DRY	DRY
RW-08	730.40	5/3/2021	DRY	DRY	DRY	DRY
RW-08	730.40	5/10/2021	DRY	DRY	DRY	DRY
RW-08	730.40	5/18/2021	DRY	DRY	DRY	DRY
RW-08	730.40	5/26/2021	DRY	DRY	DRY	DRY
RW-08	730.40	5/31/2021	DRY	DRY	DRY	DRY
RW-08	730.40	6/9/2021	DRY	DRY	DRY	DRY
RW-08	730.40	6/14/2021	DRY	DRY	DRY	DRY
RW-08	730.40	6/21/2021	DRY	DRY	DRY	DRY
RW-08	730.40	7/1/2021	DRY	DRY	DRY	DRY
RW-08	730.40	7/6/2021	DRY	DRY	DRY	DRY
RW-08	730.40	7/14/2021	DRY	DRY	DRY	DRY

Table 4
Summary of Recovery Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
RW-08	730.40	7/28/2021	DRY	DRY	DRY	DRY
RW-08	730.40	8/16/2021	DRY	DRY	DRY	DRY
RW-08	730.40	8/26/2021	DRY	DRY	DRY	DRY
RW-08	730.40	8/30/2021	DRY	DRY	DRY	DRY
RW-08	730.40	9/16/2021	DRY	DRY	DRY	DRY
RW-08	730.40	9/23/2021	DRY	DRY	DRY	DRY
RW-08	730.40	10/6/2021	DRY	DRY	DRY	DRY
RW-08	730.40	10/12/2021	DRY	DRY	DRY	DRY
RW-09	732.39	9/1/2020	29.95	39.55	9.60	699.87
RW-09	732.39	9/3/2020	37.55	37.85	0.30	694.76
RW-09	732.39	9/5/2020	29.88	41.42	11.54	699.42
RW-09	732.39	9/8/2020	30.50	38.05	7.55	699.87
RW-09	732.39	9/9/2020	30.20	40.10	9.90	699.54
RW-09	732.39	9/12/2020	31.07	39.46	8.39	699.07
RW-09	732.39	9/14/2020	30.15	37.85	7.70	700.18
RW-09	732.39	9/18/2020	31.30	37.50	6.20	699.43
RW-09	732.39	9/28/2020	37.70	38.53	0.83	694.46
RW-09	732.39	10/2/2020	30.10	42.80	12.70	698.89
RW-09	732.39	10/7/2020	31.10	40.20	9.10	698.85
RW-09	732.39	10/19/2020	31.13	42.88	11.75	698.11
RW-09	732.39	11/9/2020	32.05	42.90	10.85	697.43
RW-09	732.39	11/23/2020	32.31	42.93	10.62	697.24
RW-09	732.39	12/26/2020	31.02	39.58	8.56	699.08
RW-09	732.39	2/1/2021	31.21	37.90	6.69	699.39
RW-09	730.09	3/4/2021	31.61	36.26	4.65	697.24
RW-09	730.09	4/1/2021	32.33	34.98	2.65	697.05
RW-09	730.09	4/29/2021	32.09	34.78	2.69	697.28
RW-09	730.09	5/26/2021	32.77	35.35	2.58	696.63
RW-09	730.09	6/9/2021	33.29	34.77	1.48	696.40
RW-09	730.09	7/1/2021	33.78	36.00	2.22	695.72
RW-09	730.09	7/14/2021	33.94	36.63	2.69	695.43
RW-09	730.09	7/28/2021	34.29	36.55	2.26	695.20
RW-09	730.09	8/26/2021	34.87	37.13	2.26	694.62
RW-09	730.09	9/16/2021	35.69	39.89	4.20	693.28
RW-09	730.09	9/23/2021	36.05	36.58	0.53	693.90
RW-10	734.38	9/1/2020	19.95	33.10	13.15	710.91
RW-10	734.38	9/3/2020	25.85	33.40	7.55	706.51
RW-10	734.38	9/5/2020	29.20	33.60	4.40	704.00
RW-10	734.38	9/8/2020	29.60	34.00	4.40	703.60
RW-10	734.38	9/9/2020	29.85	34.53	4.68	703.28
RW-10	734.38	9/12/2020	30.50	33.50	3.00	703.08
RW-10	734.38	9/14/2020	30.20	33.40	3.20	703.32
RW-10	734.38	9/18/2020	31.60	33.40	1.80	702.30
RW-10	734.38	9/28/2020	31.45	33.00	1.55	702.51

Table 4
Summary of Recovery Well Gauging Data

Colonial Pipeline Company
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Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
RW-10	734.38	10/2/2020	31.73	33.43	1.70	702.19
RW-10	734.38	10/7/2020	32.10	33.40	1.30	701.93
RW-10	734.38	10/19/2020	32.72	33.31	0.59	701.50
RW-10	734.38	10/21/2020	32.72	33.31	0.59	701.50
RW-10	734.38	11/9/2020	ND	33.20	0.00	701.18
RW-10	734.38	11/23/2020	33.21	33.60	0.39	701.06
RW-10	734.38	12/26/2020	ND	30.56	0.00	703.82
RW-10	734.38	2/1/2021	ND	30.57	0.00	703.81
RW-10	731.87	3/4/2021	ND	30.57	0.00	701.30
RW-10	731.87	4/1/2021	ND	30.57	0.00	701.30
RW-10	731.87	4/29/2021	ND	30.80	0.00	701.07
RW-10	731.87	5/26/2021	DRY	DRY	Dry	DRY
RW-10	731.87	5/31/2021	DRY	DRY	Dry	DRY
RW-10	731.87	6/9/2021	DRY	DRY	Dry	DRY
RW-10	731.87	7/1/2021	DRY	DRY	Dry	DRY
RW-10	731.87	7/14/2021	DRY	DRY	Dry	DRY
RW-10	731.87	7/28/2021	ND	30.93	0.00	700.94
RW-10	731.87	8/26/2021	ND	30.81	0.00	701.06
RW-10	731.87	9/16/2021	ND	30.76	0.00	701.11
RW-10	731.87	9/23/2021	ND	30.68	0.00	701.19
RW-11	725.94	9/6/2020	32.23	34.39	2.16	693.13
RW-11	725.94	9/8/2020	31.60	32.80	1.20	694.02
RW-11	725.94	9/14/2020	28.85	31.62	2.77	696.35
RW-11	725.94	9/18/2020	ND	34.00	0.00	691.94
RW-11	725.94	9/28/2020	29.90	31.90	2.00	695.50
RW-11	725.94	10/2/2020	32.30	32.60	0.30	693.56
RW-11	725.94	10/5/2020	27.70	34.10	6.40	696.53
RW-11	725.94	10/19/2020	27.70	31.27	3.57	697.28
RW-11	725.94	11/9/2020	28.33	31.14	2.81	696.86
RW-11	725.94	11/23/2020	28.61	29.80	1.19	697.01
RW-11	725.94	10/21/2020	27.70	31.27	3.57	697.28
RW-11	725.94	12/26/2020	29.05	32.58	3.53	695.94
RW-11	725.94	2/1/2021	29.16	32.30	3.14	695.94
RW-11	725.94	3/4/2021	29.31	31.97	2.66	695.92
RW-11	725.94	4/1/2021	ND	29.30	0.00	696.64
RW-11	725.94	4/29/2021	29.10	35.46	6.36	695.14
RW-11	725.94	5/26/2021	30.41	32.23	1.82	695.04
RW-11	725.94	6/9/2021	30.57	31.25	0.68	695.19
RW-11	725.94	7/1/2021	30.88	31.55	0.67	694.88
RW-11	725.94	7/14/2021	31.51	32.36	0.85	694.20
RW-11	725.94	7/28/2021	29.29	29.33	0.04	696.64
RW-11	725.94	8/26/2021	32.72	33.23	0.51	693.08
RW-11	725.94	9/16/2021	33.32	34.03	0.71	692.43
RW-11	725.94	9/23/2021	33.30	34.09	0.79	692.43

Table 4
Summary of Recovery Well Gauging Data

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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
RW-12	726.61	9/5/2020	31.45	33.82	2.37	694.53
RW-12	726.61	9/6/2020	34.95	35.14	0.19	691.61
RW-12	726.61	9/8/2020	34.20	36.10	1.90	691.90
RW-12	726.61	9/9/2020	34.24	36.65	2.41	691.73
RW-12	726.61	9/10/2020	34.70	35.83	1.13	691.61
RW-12	726.61	9/12/2020	32.89	34.35	1.46	693.33
RW-12	726.61	9/14/2020	31.81	36.18	4.37	693.63
RW-12	726.61	9/18/2020	32.35	34.60	2.25	693.66
RW-12	726.61	9/28/2020	29.43	36.91	7.48	695.18
RW-12	726.61	10/2/2020	31.10	36.40	5.30	694.09
RW-12	726.61	10/6/2020	29.78	37.75	7.97	694.70
RW-12	726.61	10/19/2020	30.35	37.04	6.69	694.47
RW-12	726.61	11/9/2020	31.21	37.08	5.87	693.83
RW-12	726.61	11/23/2020	31.53	37.08	5.55	693.60
RW-12	726.61	12/26/2020	31.00	35.51	4.51	694.40
RW-12	726.61	2/1/2021	32.01	35.51	3.50	693.66
RW-12	726.61	3/4/2021	32.52	35.51	2.99	693.29
RW-12	726.61	4/1/2021	32.79	35.48	2.69	693.10
RW-12	726.61	4/29/2021	32.77	35.46	2.69	693.12
RW-12	726.61	5/26/2021	33.34	35.48	2.14	692.70
RW-12	726.61	6/9/2021	33.63	35.54	1.91	692.47
RW-12	726.61	7/1/2021	34.08	35.48	1.40	692.16
RW-12	726.61	7/14/2021	34.37	35.41	1.04	691.96
RW-12	726.61	7/28/2021	34.84	35.45	0.61	691.61
RW-12	726.61	8/26/2021	35.48	35.53	0.05	691.12
RW-12	726.61	9/16/2021	Dry	Dry	Dry	Dry
RW-12	726.61	9/23/2021	Dry	Dry	Dry	Dry
RW-13	732.30	9/5/2020	ND	24.90	0.00	707.40
RW-13	732.30	9/6/2020	ND	26.54	0.00	705.76
RW-13	732.30	9/8/2020	ND	27.05	0.00	705.25
RW-13	732.30	9/14/2020	ND	27.93	0.00	704.37
RW-13	732.30	10/9/2020	ND	28.34	0.00	703.96
RW-13	732.30	10/19/2020	33.87	34.11	0.24	698.36
RW-13	732.30	11/9/2020	ND	31.09	0.00	701.21
RW-13	732.30	11/23/2020	31.10	31.23	0.13	701.16
RW-13	732.30	12/26/2020	ND	31.85	0.00	700.45
RW-13	732.30	1/25/2021	32.53	32.79	0.26	699.70
RW-13	732.30	2/1/2021	32.67	32.92	0.25	699.56
RW-13	732.30	2/8/2021	32.82	33.09	0.27	699.41
RW-13	732.30	2/16/2021	32.86	33.18	0.32	699.35
RW-13	732.30	3/4/2021	33.10	33.39	0.29	699.12
RW-13	732.30	4/1/2021	33.13	33.42	0.29	699.09
RW-13	732.30	4/12/2021	33.22	33.53	0.31	699.00
RW-13	732.30	4/19/2021	ND	33.13	0.00	699.17

Table 4
Summary of Recovery Well Gauging Data

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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
RW-13	732.30	4/29/2021	33.08	33.36	0.28	699.15
RW-13	732.30	5/3/2021	35.07	35.33	0.26	697.16
RW-13	732.30	5/10/2021	33.06	33.35	0.29	699.16
RW-13	732.30	5/18/2021	33.19	33.46	0.27	699.04
RW-13	732.30	5/26/2021	33.76	34.10	0.34	698.45
RW-13	732.30	5/31/2021	ND	33.96	0.00	698.34
RW-13	732.30	6/7/2021	ND	34.04	0.00	698.26
RW-13	732.30	6/14/2021	ND	34.04	0.00	698.26
RW-13	732.30	6/21/2021	31.11	31.43	0.32	701.10
RW-13	732.30	7/1/2021	31.49	31.83	0.34	700.72
RW-13	732.30	7/6/2021	31.68	32.04	0.36	700.52
RW-13	732.30	7/14/2021	32.16	32.53	0.37	700.04
RW-13	732.30	7/28/2021	29.62	29.65	0.03	702.67
RW-13	732.30	8/16/2021	31.42	32.79	1.37	700.51
RW-13	732.30	8/26/2021	32.70	33.14	0.44	699.48
RW-13	732.30	8/30/2021	32.77	33.19	0.42	699.42
RW-13	732.30	9/16/2021	33.92	34.21	0.29	698.30
RW-13	732.30	9/23/2021	33.91	33.92	0.01	698.39
RW-14	732.14	9/6/2020	27.12	39.68	12.56	701.65
RW-14	732.14	9/8/2020	27.15	36.25	9.10	702.55
RW-14	732.14	9/10/2020	27.95	35.05	7.10	702.29
RW-14	732.14	9/12/2020	27.40	38.95	11.55	701.65
RW-14	732.14	9/14/2020	27.68	39.15	11.47	701.39
RW-14	732.14	9/18/2020	29.15	39.20	10.05	700.30
RW-14	732.14	9/28/2020	29.30	39.93	10.63	699.99
RW-14	732.14	10/2/2020	29.63	39.95	10.32	699.74
RW-14	732.14	10/6/2020	29.90	40.00	10.10	699.53
RW-14	732.14	10/19/2020	30.60	39.94	9.34	699.04
RW-14	732.14	11/9/2020	31.69	40.10	8.41	698.20
RW-14	732.14	11/23/2020	32.09	40.05	7.96	697.92
RW-14	732.14	12/26/2020	33.11	38.57	5.46	697.56
RW-14	732.14	2/1/2021	33.65	37.77	4.12	697.38
RW-14	732.14	3/4/2021	33.92	37.62	3.70	697.23
RW-14	732.14	4/1/2021	34.07	38.02	3.95	697.01
RW-14	732.14	4/29/2021	33.80	37.56	3.76	697.33
RW-14	732.14	5/26/2021	34.06	37.04	2.98	697.28
RW-14	732.14	6/9/2021	34.29	36.91	2.62	697.14
RW-14	732.14	7/1/2021	34.58	36.75	2.17	696.98
RW-14	732.14	7/14/2021	34.86	36.84	1.98	696.75
RW-14	732.14	7/28/2021	35.33	36.67	1.34	696.45
RW-14	732.14	8/26/2021	36.04	37.48	1.44	695.71
RW-14	732.14	9/16/2021	36.94	37.53	0.59	695.04
RW-14	732.14	9/23/2021	37.27	37.91	0.64	694.69
RW-15	723.99	9/6/2020	34.07	34.10	0.03	689.91

Table 4
Summary of Recovery Well Gauging Data

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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
RW-15	723.99	9/8/2020	34.15	34.17	0.02	689.83
RW-15	723.99	9/14/2020	34.25	34.29	0.04	689.73
RW-15	723.99	9/28/2020	34.62	34.68	0.06	689.35
RW-15	723.99	10/9/2020	ND	34.98	0.00	689.01
RW-15	723.99	10/19/2020	35.02	35.12	0.10	688.94
RW-15	723.99	11/9/2020	35.09	35.29	0.20	688.85
RW-15	723.99	11/9/2020	34.94	35.03	0.09	689.03
RW-15	723.99	11/23/2020	ND	45.23	0.00	678.76
RW-15	723.99	12/26/2020	35.01	35.25	0.24	688.92
RW-15	723.99	1/19/2021	34.99	35.35	0.36	688.90
RW-15	723.99	1/25/2021	34.84	35.21	0.37	689.05
RW-15	723.99	2/1/2021	34.73	35.11	0.38	689.16
RW-15	723.99	2/8/2021	35.15	35.60	0.45	688.72
RW-15	723.99	2/16/2021	34.78	35.21	0.43	689.09
RW-15	723.99	2/22/2021	34.60	35.50	0.90	689.15
RW-15	723.99	3/4/2021	34.45	34.90	0.45	689.42
RW-15	723.99	3/8/2021	34.63	35.13	0.50	689.23
RW-15	723.99	3/15/2021	34.49	34.98	0.49	689.37
RW-15	723.99	3/22/2021	34.36	34.82	0.46	689.51
RW-15	723.99	4/1/2021	34.16	34.59	0.43	689.71
RW-15	723.99	4/12/2021	34.09	34.50	0.41	689.79
RW-15	723.99	4/19/2021	34.02	34.43	0.41	689.86
RW-15	723.99	4/29/2021	33.96	34.36	0.40	689.92
RW-15	723.99	5/3/2021	34.07	34.51	0.44	689.80
RW-15	723.99	5/10/2021	34.12	34.55	0.43	689.75
RW-15	723.99	5/18/2021	34.18	34.65	0.47	689.68
RW-15	723.99	5/26/2021	34.10	34.55	0.45	689.77
RW-15	723.99	5/31/2021	34.38	34.88	0.50	689.48
RW-15	723.99	6/7/2021	34.45	34.96	0.51	689.40
RW-15	723.99	6/14/2021	34.48	35.01	0.53	689.37
RW-15	723.99	6/21/2021	34.64	35.18	0.54	689.21
RW-15	723.99	7/1/2021	34.76	35.34	0.58	689.07
RW-15	723.99	7/6/2021	35.00	35.59	0.59	688.83
RW-15	723.99	7/14/2021	32.90	33.50	0.60	690.93
RW-15	723.99	7/28/2021	33.52	33.85	0.33	690.38
RW-15	723.99	8/26/2021	34.59	35.10	0.51	689.26
RW-15	723.99	9/16/2021	35.35	35.93	0.58	688.48
RW-15	723.99	9/23/2021	35.57	36.03	0.46	688.30
RW-16	732.10	9/5/2020	30.80	37.71	6.91	699.45
RW-16	732.10	9/6/2020	30.14	36.39	6.25	700.28
RW-16	732.10	9/8/2020	30.60	35.70	5.10	700.13
RW-16	732.10	9/9/2020	29.80	39.92	10.12	699.59
RW-16	732.10	9/10/2020	35.95	39.70	3.75	695.14
RW-16	732.10	9/12/2020	34.65	38.60	3.95	696.39

Table 4
Summary of Recovery Well Gauging Data

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Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
RW-16	732.10	9/14/2020	30.85	36.70	5.85	699.68
RW-16	732.10	9/18/2020	32.15	36.30	4.15	698.83
RW-16	732.10	9/28/2020	31.55	37.40	5.85	698.98
RW-16	732.10	10/2/2020	31.47	37.82	6.35	698.93
RW-16	732.10	10/6/2020	30.90	40.50	9.60	698.63
RW-16	732.10	10/19/2020	31.00	43.12	12.12	697.85
RW-16	732.10	11/9/2020	32.05	42.12	10.07	697.35
RW-16	732.10	11/23/2020	32.43	42.34	9.91	697.01
RW-16	732.10	12/26/2020	31.37	39.10	7.73	698.66
RW-16	732.10	2/1/2021	31.84	38.08	6.24	698.59
RW-16	732.10	3/4/2021	32.49	36.72	4.23	698.47
RW-16	732.10	4/1/2021	33.10	35.82	2.72	698.27
RW-16	732.10	4/29/2021	32.56	35.85	3.29	698.65
RW-16	732.10	5/26/2021	33.32	34.98	1.66	698.33
RW-16	732.10	6/9/2021	33.51	35.02	1.51	698.18
RW-16	732.10	7/1/2021	33.70	35.49	1.79	697.92
RW-16	732.10	7/14/2021	34.26	34.98	0.72	697.64
RW-16	732.10	7/28/2021	34.58	35.79	1.21	697.19
RW-16	732.10	8/26/2021	35.45	36.38	0.93	696.40
RW-16	732.10	9/16/2021	36.29	37.54	1.25	695.47
RW-16	732.10	9/23/2021	36.79	37.41	0.62	695.14
RW-17	729.57	9/6/2020	ND	19.94	0.00	709.63
RW-17	729.57	9/8/2020	ND	20.05	0.00	709.52
RW-17	729.57	9/14/2020	ND	20.05	0.00	709.52
RW-17	729.57	9/28/2020	ND	20.04	0.00	709.53
RW-17	729.57	10/9/2020	ND	20.06	0.00	709.51
RW-17	729.57	10/19/2020	ND	20.06	0.00	709.51
RW-17	729.57	11/9/2020	ND	20.09	0.00	709.48
RW-17	729.57	11/23/2020	ND	20.09	0.00	709.48
RW-17	729.57	12/26/2020	ND	20.11	0.00	709.46
RW-17	729.57	1/25/2021	ND	20.08	0.00	709.49
RW-17	729.57	2/1/2021	ND	Dry	Dry	Dry
RW-17	729.57	2/8/2021	ND	20.08	0.00	709.49
RW-17	729.57	2/16/2021	ND	20.08	0.00	709.49
RW-17	729.57	2/22/2021	Dry	Dry	Dry	Dry
RW-17	729.57	3/4/2021	Dry	Dry	Dry	Dry
RW-17	729.57	3/8/2021	ND	21.08	0.00	708.49
RW-17	729.57	3/15/2021	ND	20.11	0.00	709.46
RW-17	729.57	3/22/2021	ND	20.08	0.00	709.49
RW-17	729.57	4/1/2021	ND	20.08	0.00	709.49
RW-17	729.57	4/12/2021	ND	20.11	0.00	709.46
RW-17	729.57	4/19/2021	Dry	Dry	Dry	Dry
RW-17	729.57	4/29/2021	Dry	Dry	Dry	Dry
RW-17	729.57	5/3/2021	Dry	Dry	Dry	Dry

Table 4
Summary of Recovery Well Gauging Data

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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
RW-17	729.57	5/10/2021	Dry	Dry	Dry	Dry
RW-17	729.57	5/18/2021	17.74	17.76	0.02	711.82
RW-17	729.57	5/26/2021	ND	18.58	0.00	710.99
RW-17	729.57	6/7/2021	ND	18.72	0.00	710.85
RW-17	729.57	7/1/2021	Dry	Dry	Dry	Dry
RW-17	729.57	7/6/2021	Dry	Dry	Dry	Dry
RW-17	729.57	7/14/2021	Dry	Dry	Dry	Dry
RW-17	729.57	7/28/2021	18.58	18.58	0.00	710.99
RW-17	729.57	8/16/2021	ND	18.72	0.00	710.85
RW-17	729.57	8/26/2021	Dry	Dry	Dry	Dry
RW-17	729.57	8/30/2021	17.98	18.02	0.04	711.58
RW-17	729.57	9/16/2021	Dry	Dry	Dry	Dry
RW-17	729.57	9/23/2021	ND	18.75	0.00	710.82
RW-17	729.57	10/6/2021	ND	17.85	0.00	711.72
RW-18	737.66	9/8/2020	36.15	40.20	4.05	700.42
RW-18	737.66	9/9/2020	36.40	41.35	4.95	699.93
RW-18	737.66	9/12/2020	36.50	40.00	3.50	700.22
RW-18	737.66	9/14/2020	34.95	42.00	7.05	700.82
RW-18	737.66	9/18/2020	36.55	42.00	5.45	699.65
RW-18	737.66	9/28/2020	35.42	45.45	10.03	699.55
RW-18	737.66	10/2/2020	35.20	47.65	12.45	699.12
RW-18	737.66	10/7/2020	35.70	47.48	11.78	698.80
RW-18	737.66	10/19/2020	36.54	47.75	11.21	698.12
RW-18	737.66	11/9/2020	37.73	47.71	9.98	697.26
RW-18	737.66	11/23/2020	37.86	47.57	9.71	697.20
RW-18	737.66	12/26/2020	36.91	45.38	8.47	698.48
RW-18	737.66	2/1/2021	38.19	43.31	5.12	698.10
RW-18	737.66	3/4/2021	38.30	42.78	4.48	698.16
RW-18	735.96	4/1/2021	39.05	41.76	2.71	696.18
RW-18	735.96	4/29/2021	39.67	40.76	1.09	696.00
RW-18	735.96	5/26/2021	39.51	41.28	1.77	695.98
RW-18	735.96	6/9/2021	39.68	41.45	1.77	695.81
RW-18	735.96	7/1/2021	39.60	42.39	2.79	695.61
RW-18	735.96	7/14/2021	40.08	41.97	1.89	695.37
RW-18	735.96	7/28/2021	40.32	42.42	2.10	695.08
RW-18	735.96	8/26/2021	ND	40.98	0.00	694.98
RW-18	735.96	9/16/2021	41.36	43.25	1.89	694.09
RW-18	735.96	9/23/2021	41.56	43.17	1.61	693.97
RW-19	722.02	9/8/2020	ND	32.80	0.00	689.22
RW-19	722.02	9/14/2020	ND	32.74	0.00	689.28
RW-19	722.02	9/28/2020	ND	32.92	0.00	689.10
RW-19	722.02	10/9/2020	ND	33.23	0.00	688.79
RW-19	722.02	10/19/2020	ND	33.28	0.00	688.74
RW-19	722.02	11/9/2020	33.28	33.30	0.02	688.73

Table 4
Summary of Recovery Well Gauging Data

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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
RW-19	722.02	11/9/2020	33.06	33.16	0.10	688.93
RW-19	722.02	11/23/2020	ND	33.22	0.00	688.80
RW-19	722.02	12/26/2020	33.09	33.29	0.20	688.88
RW-19	722.02	1/19/2021	33.07	33.57	0.50	688.82
RW-19	722.02	1/25/2021	32.94	33.48	0.54	688.94
RW-19	722.02	2/1/2021	32.89	33.42	0.53	688.99
RW-19	722.02	2/8/2021	33.18	33.93	0.75	688.64
RW-19	722.02	2/16/2021	32.82	33.64	0.82	688.98
RW-19	722.02	2/22/2021	32.67	33.51	0.84	689.13
RW-19	722.02	3/4/2021	32.44	33.59	1.15	689.27
RW-19	722.02	3/8/2021	32.57	33.93	1.36	689.09
RW-19	722.02	3/15/2021	32.37	33.92	1.55	689.24
RW-19	722.02	3/22/2021	32.2	33.89	1.69	689.37
RW-19	722.02	4/1/2021	31.89	33.89	2.00	689.59
RW-19	722.02	4/12/2021	32.7	34	1.30	688.97
RW-19	722.02	4/19/2021	31.59	34.1	2.51	689.76
RW-19	722.02	4/29/2021	31.48	34.21	2.73	689.81
RW-19	722.02	5/3/2021	31.5	34.41	2.91	689.74
RW-19	722.02	5/10/2021	31.55	34.63	3.08	689.65
RW-19	722.02	5/18/2021	31.53	34.9	3.37	689.59
RW-19	722.02	5/26/2021	31.43	35.08	3.65	689.61
RW-19	722.02	5/31/2021	31.61	35.41	3.80	689.39
RW-19	722.02	6/7/2021	31.65	35.70	4.05	689.29
RW-19	722.02	6/14/2021	31.62	35.94	4.32	689.24
RW-19	722.02	6/21/2021	31.73	36.29	4.56	689.07
RW-19	722.02	7/1/2021	31.77	36.69	4.92	688.93
RW-19	722.02	7/6/2021	31.95	37.09	5.14	688.69
RW-19	722.02	7/14/2021	28.93	34.33	5.40	691.64
RW-19	722.02	7/28/2021	30.7	31.41	0.71	691.13
RW-19	722.02	8/26/2021	31.76	32.57	0.81	690.04
RW-19	722.02	9/16/2021	32.60	33.09	0.49	689.29
RW-19	722.02	9/23/2021	32.84	33.23	0.39	689.08
RW-20	731.69	9/8/2020	ND	28.75	0.00	702.94
RW-20	731.69	9/14/2020	26.90	36.20	9.30	702.30
RW-20	731.69	9/28/2020	31.55	33.20	1.65	699.69
RW-20	731.69	10/2/2020	30.60	31.65	1.05	700.81
RW-20	731.69	10/6/2020	30.50	31.90	1.40	700.81
RW-20	731.69	10/19/2020	30.29	32.90	2.61	700.70
RW-20	731.69	10/21/2020	30.29	32.90	2.61	700.70
RW-20	731.69	11/9/2020	30.62	35.09	4.47	699.87
RW-20	731.69	11/23/2020	30.96	35.84	4.88	699.42
RW-20	731.69	12/26/2020	31.84	36.35	4.51	698.64
RW-20	731.69	2/1/2021	32.15	36.50	4.35	698.37
RW-20	731.69	3/4/2021	32.29	36.48	4.19	698.27

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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
RW-20	731.69	4/1/2021	33.31	35.79	2.48	697.71
RW-20	731.69	4/29/2021	33.39	35.10	1.71	697.84
RW-20	731.69	5/26/2021	33.87	34.37	0.50	697.68
RW-20	731.69	6/9/2021	34.06	34.29	0.23	697.56
RW-20	731.69	7/1/2021	34.18	34.42	0.24	697.44
RW-20	731.69	7/14/2021	34.41	34.49	0.08	697.25
RW-20	731.69	7/28/2021	35.11	35.43	0.32	696.49
RW-20	731.69	8/26/2021	35.48	36.04	0.56	696.06
RW-20	731.69	9/16/2021	36.63	37.11	0.48	694.93
RW-20	731.69	9/23/2021	36.75	36.95	0.20	694.88
RW-21	731.68	9/13/2020	28.50	42.55	14.05	699.42
RW-21	731.68	9/14/2020	30.72	36.55	5.83	699.40
RW-21	731.68	9/18/2020	31.30	38.00	6.70	698.59
RW-21	731.68	9/28/2020	30.08	41.40	11.32	698.57
RW-21	731.68	10/2/2020	30.28	41.15	10.87	698.49
RW-21	731.68	10/6/2020	30.40	41.55	11.15	698.30
RW-21	731.68	10/19/2020	30.13	45.10	14.97	697.55
RW-21	731.68	11/9/2020	31.09	44.70	13.61	696.95
RW-21	731.68	11/23/2020	31.50	42.64	11.14	697.20
RW-21	731.68	12/26/2020	32.40	40.56	8.16	697.10
RW-21	731.68	2/1/2021	32.81	39.59	6.78	697.06
RW-21	731.68	3/4/2021	33.36	38.60	5.24	696.92
RW-21	731.68	4/1/2021	35.58	38.86	3.28	695.23
RW-21	731.68	4/29/2021	33.22	38.34	5.12	697.09
RW-21	731.68	5/26/2021	33.64	38.27	4.63	696.80
RW-21	731.68	6/9/2021	33.82	38.34	4.52	696.65
RW-21	731.68	7/1/2021	34.10	38.18	4.08	696.49
RW-21	731.68	7/14/2021	34.36	38.47	4.11	696.22
RW-21	731.68	7/28/2021	34.94	38.05	3.11	695.91
RW-21	731.68	8/26/2021	35.71	38.91	3.20	695.12
RW-21	731.68	9/16/2021	36.74	39.48	2.74	694.21
RW-21	731.68	9/23/2021	36.82	40.65	3.83	693.84
RW-22	726.60	9/10/2020	25.62	39.00	13.38	697.40
RW-22	726.60	9/12/2020	26.70	31.62	4.92	698.58
RW-22	726.60	9/14/2020	25.55	30.85	5.30	699.63
RW-22	726.60	9/18/2020	26.10	32.10	6.00	698.89
RW-22	726.60	9/28/2020	26.20	30.75	4.55	699.18
RW-22	726.60	10/2/2020	25.55	33.00	7.45	699.06
RW-22	726.60	10/5/2020	25.53	34.50	8.97	698.67
RW-22	726.60	10/19/2020	25.93	37.32	11.39	697.62
RW-22	726.60	11/9/2020	26.89	36.99	10.10	697.01
RW-22	726.60	11/23/2020	27.29	36.70	9.41	696.79
RW-22	726.60	12/26/2020	26.43	27.75	1.32	699.82
RW-22	726.60	2/1/2021	26.68	34.43	7.75	697.85

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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
RW-22	727.54	3/4/2021	29.80	31.73	1.93	697.22
RW-22	727.54	4/1/2021	30.31	30.73	0.42	697.12
RW-22	727.54	4/29/2021	30.21	30.39	0.18	697.28
RW-22	727.54	5/26/2021	30.95	31.11	0.16	696.55
RW-22	727.54	6/9/2021	31.28	31.52	0.24	696.20
RW-22	727.54	7/1/2021	31.85	32.06	0.21	695.63
RW-22	727.54	7/14/2021	32.24	32.44	0.20	695.25
RW-22	727.54	7/28/2021	32.42	32.48	0.06	695.10
RW-22	727.54	8/26/2021	32.98	33.17	0.19	694.51
RW-22	727.54	9/16/2021	33.40	33.56	0.16	694.10
RW-22	727.54	9/23/2021	33.49	33.72	0.23	693.99
RW-23	724.85	9/13/2020	31.80	41.73	9.93	690.39
RW-23	724.85	9/14/2020	31.79	41.68	9.89	690.41
RW-23	724.85	9/18/2020	32.95	39.35	6.40	690.18
RW-23	724.85	9/28/2020	32.91	39.45	6.54	690.19
RW-23	724.85	10/2/2020	33.39	39.31	5.92	689.87
RW-23	724.85	10/6/2020	33.25	39.25	6.00	689.99
RW-23	724.85	10/19/2020	33.30	39.26	5.96	689.95
RW-23	724.85	11/9/2020	33.39	39.03	5.64	689.95
RW-23	724.85	11/23/2020	33.35	38.97	5.62	689.99
RW-23	724.85	12/26/2020	31.75	36.77	5.02	691.75
RW-23	724.85	2/1/2021	32.32	36.29	3.97	691.46
RW-23	724.85	3/4/2021	32.49	35.38	2.89	691.58
RW-23	724.85	4/1/2021	32.51	34.93	2.42	691.69
RW-23	724.85	4/29/2021	32.37	34.54	2.17	691.90
RW-23	724.85	5/26/2021	32.33	34.19	1.86	692.02
RW-23	724.85	6/9/2021	32.46	34.27	1.81	691.90
RW-23	724.85	7/1/2021	32.83	34.69	1.86	691.52
RW-23	724.85	7/14/2021	33.26	35.02	1.76	691.12
RW-23	724.85	7/28/2021	33.90	34.92	1.02	690.67
RW-23	724.85	8/26/2021	34.68	35.26	0.58	690.01
RW-23	724.85	9/16/2021	35.16	36.2	1.04	689.41
RW-23	724.85	9/23/2021	35.44	35.98	0.54	689.26
RW-24	734.33	9/11/2020	35.83	35.85	0.02	698.49
RW-24	734.33	9/12/2020	ND	36.00	0.00	698.33
RW-24	734.33	9/14/2020	35.75	36.25	0.50	698.44
RW-24	734.33	9/18/2020	ND	36.10	0.00	698.23
RW-24	734.33	9/28/2020	33.80	33.91	0.11	700.50
RW-24	734.33	10/2/2020	33.15	35.20	2.05	700.63
RW-24	734.33	10/5/2020	33.84	34.10	0.26	700.42
RW-24	734.33	10/19/2020	32.84	37.15	4.31	700.33
RW-24	734.33	11/9/2020	32.83	39.30	6.47	699.76
RW-24	734.33	11/23/2020	34.61	35.53	0.92	699.47
RW-24	734.33	12/26/2020	34.85	36.16	1.31	699.13

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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
RW-24	734.33	2/1/2021	35.12	35.94	0.82	698.99
RW-24	731.18	3/4/2021	35.46	36.12	0.66	695.54
RW-24	731.18	4/1/2021	35.63	36.20	0.57	695.40
RW-24	731.18	4/29/2021	ND	35.48	0.00	695.70
RW-24	731.18	5/26/2021	36.16	36.66	0.50	694.89
RW-24	731.18	6/9/2021	36.61	36.93	0.32	694.48
RW-24	731.18	7/1/2021	37.19	37.36	0.17	693.94
RW-24	731.18	7/14/2021	37.64	37.81	0.17	693.49
RW-24	731.18	7/28/2021	37.33	37.44	0.11	693.82
RW-24	731.18	8/26/2021	38.13	39.09	0.96	692.79
RW-24	731.18	9/16/2021	38.76	39.03	0.27	692.35
RW-24	731.18	9/23/2021	38.82	39.03	0.21	692.30
RW-25	724.92	9/13/2020	33.75	37.21	3.46	690.24
RW-25	724.92	9/14/2020	33.08	38.85	5.77	690.29
RW-25	724.92	9/18/2020	34.88	35.80	0.92	689.79
RW-25	724.92	9/28/2020	34.86	35.90	1.04	689.78
RW-25	724.92	10/2/2020	34.90	36.55	1.65	689.57
RW-25	724.92	10/6/2020	34.90	36.40	1.50	689.61
RW-25	724.92	10/19/2020	33.83	39.91	6.08	689.46
RW-25	724.92	11/9/2020	34.45	38.55	4.10	689.37
RW-25	724.92	11/23/2020	34.58	38.10	3.52	689.39
RW-25	724.92	12/26/2020	31.30	36.50	5.20	692.22
RW-25	724.92	2/1/2021	31.70	35.11	3.41	692.30
RW-25	724.92	3/4/2021	31.85	33.82	1.97	692.54
RW-25	724.92	4/1/2021	31.79	33.34	1.55	692.71
RW-25	724.92	4/29/2021	31.56	33.01	1.45	692.97
RW-25	724.92	5/26/2021	31.7	32.98	1.28	692.87
RW-25	724.92	6/9/2021	31.94	33.19	1.25	692.64
RW-25	724.92	7/1/2021	31.90	34.63	2.73	692.29
RW-25	724.92	7/14/2021	32.71	33.93	1.22	691.88
RW-25	724.92	7/28/2021	33.24	34.39	1.15	691.37
RW-25	724.92	8/26/2021	34.09	35.54	1.45	690.44
RW-25	724.92	9/16/2021	34.91	36.10	1.19	689.69
RW-25	724.92	9/23/2021	35.13	36.15	1.02	689.51
RW-26	729.28	9/11/2020	29.80	30.35	0.55	699.34
RW-26	729.28	9/12/2020	29.85	30.42	0.57	699.28
RW-26	729.28	9/14/2020	29.79	30.41	0.62	699.33
RW-26	729.28	9/18/2020	30.31	32.20	1.89	698.47
RW-26	729.28	9/28/2020	27.60	29.25	1.65	701.24
RW-26	729.28	10/2/2020	27.17	28.35	1.18	701.80
RW-26	729.28	10/5/2020	27.01	29.15	2.14	701.70
RW-26	729.28	10/19/2020	26.39	29.02	2.63	702.19
RW-26	729.28	11/9/2020	26.82	29.60	2.78	701.72
RW-26	729.28	11/23/2020	27.20	29.49	2.29	701.47

Table 4
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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
RW-26	729.28	12/26/2020	27.62	28.53	0.91	701.42
RW-26	729.28	2/1/2021	28.30	28.66	0.36	700.89
RW-26	725.72	3/4/2021	29.81	29.96	0.15	695.87
RW-26	725.72	4/1/2021	26.33	26.34	0.01	699.39
RW-26	725.72	4/29/2021	29.14	29.29	0.15	696.54
RW-26	725.72	5/26/2021	30.00	30.37	0.37	695.62
RW-26	725.72	6/9/2021	31.15	31.43	0.28	694.50
RW-26	725.72	7/1/2021	31.28	31.62	0.34	694.35
RW-26	725.72	7/14/2021	30.87	31.22	0.35	694.76
RW-26	725.72	7/28/2021	29.24	29.33	0.09	696.46
RW-26	725.72	8/26/2021	30.72	31.11	0.39	694.90
RW-26	725.72	9/16/2021	31.3	31.52	0.22	694.36
RW-26	725.72	9/23/2021	31.36	31.40	0.04	694.35
RW-27	722.46	9/13/2020	ND	35.08	0.00	687.38
RW-27	722.46	9/14/2020	ND	35.09	0.00	687.37
RW-27	722.46	9/18/2020	ND	35.20	0.00	687.26
RW-27	722.46	10/9/2020	ND	35.23	0.00	687.23
RW-27	722.46	10/19/2020	35.23	35.43	0.20	687.18
RW-27	722.46	11/9/2020	34.36	39.20	4.84	686.80
RW-27	722.46	11/23/2020	31.27	40.65	9.38	688.68
RW-27	722.46	12/26/2020	29.90	44.02	14.12	688.78
RW-27	722.46	2/1/2021	32.68	44.18	11.50	686.70
RW-27	722.46	3/4/2021	32.70	41.71	9.01	687.35
RW-27	722.46	4/1/2021	33.23	40.77	7.54	687.21
RW-27	722.46	4/29/2021	33.81	39.72	5.91	687.07
RW-27	722.46	5/26/2021	34.17	38.54	4.37	687.12
RW-27	722.46	6/9/2021	34.46	38.38	3.92	686.95
RW-27	722.46	7/1/2021	35.22	37.68	2.46	686.58
RW-27	722.46	7/14/2021	34.99	38.35	3.36	686.57
RW-27	722.46	7/28/2021	35.35	39.03	3.68	686.12
RW-27	722.46	8/26/2021	36.84	39.87	3.03	684.81
RW-27	722.46	9/16/2021	39.48	39.51	0.03	682.97
RW-27	722.46	9/23/2021	39.86	40.05	0.19	682.55
RW-28	733.88	9/11/2020	38.13	39.31	1.18	695.43
RW-28	733.88	9/12/2020	ND	37.12	0.00	696.76
RW-28	733.88	9/13/2020	35.84	45.27	9.43	695.51
RW-28	733.88	9/14/2020	34.45	48.33	13.88	695.71
RW-28	733.88	9/18/2020	35.70	36.25	0.55	698.03
RW-28	733.88	9/28/2020	33.95	35.85	1.90	699.42
RW-28	733.88	10/2/2020	34.05	35.47	1.42	699.45
RW-28	733.88	10/5/2020	34.15	35.50	1.35	699.36
RW-28	733.88	10/19/2020	31.30	42.74	11.44	699.51
RW-28	733.88	11/9/2020	32.60	40.70	8.10	699.11
RW-28	733.88	11/23/2020	33.00	40.10	7.10	698.98

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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
RW-28	733.88	12/26/2020	38.17	45.08	6.91	693.86
RW-28	733.88	2/1/2021	34.12	39.01	4.89	698.45
RW-28	729.51	3/4/2021	36.16	36.23	0.07	693.33
RW-28	729.51	4/1/2021	ND	35.98	0.00	693.53
RW-28	729.51	4/29/2021	35.98	36.40	0.42	693.42
RW-28	729.51	5/26/2021	37.14	37.56	0.42	692.26
RW-28	729.51	6/9/2021	ND	37.66	0.00	691.85
RW-28	729.51	7/1/2021	38.33	38.56	0.23	691.12
RW-28	729.51	7/14/2021	38.92	39.28	0.36	690.49
RW-28	729.51	7/28/2021	39.09	39.11	0.02	690.41
RW-28	729.51	8/26/2021	39.65	39.76	0.11	689.83
RW-28	729.51	9/16/2021	40.05	40.33	0.28	689.39
RW-28	729.51	9/23/2021	40.12	40.35	0.23	689.33
RW-29	721.84	9/13/2020	26.80	45.11	18.31	690.14
RW-29	721.84	9/14/2020	28.36	38.80	10.44	690.69
RW-29	721.84	9/18/2020	29.00	43.00	14.00	689.09
RW-29	721.84	9/28/2020	26.95	35.85	8.90	692.51
RW-29	721.84	10/2/2020	27.10	47.00	19.90	689.42
RW-29	721.84	10/6/2020	27.32	45.90	18.58	689.55
RW-29	721.84	10/19/2020	27.68	47.65	19.97	688.82
RW-29	721.84	11/9/2020	28.35	47.89	19.54	688.26
RW-29	721.84	11/23/2020	28.65	48.30	19.65	687.93
RW-29	721.84	12/26/2020	27.56	44.11	16.55	689.85
RW-29	721.84	2/1/2021	Dry	Dry	Dry	Dry
RW-29	721.84	3/4/2021	30.18	39.65	9.47	689.13
RW-29	719.80	4/1/2021	30.96	37.82	6.86	687.00
RW-29	719.80	4/29/2021	31.49	36.20	4.71	687.05
RW-29	719.80	5/26/2021	32.97	34.00	1.03	686.55
RW-29	719.80	6/9/2021	33.26	34.09	0.83	686.32
RW-29	719.80	7/1/2021	33.82	34.57	0.75	685.78
RW-29	719.80	7/14/2021	34.02	34.73	0.71	685.59
RW-29	719.80	7/28/2021	34.58	35.21	0.63	685.05
RW-29	719.80	8/26/2021	35.61	36.68	1.07	683.90
RW-29	719.80	9/16/2021	35.87	39.51	3.64	682.96
RW-29	719.80	9/23/2021	36.19	36.74	0.55	683.46
RW-30	719.60	9/14/2020	23.60	26.95	3.35	695.10
RW-30	719.60	9/28/2020	22.33	37.10	14.77	693.32
RW-30	719.60	10/2/2020	24.30	31.40	7.10	693.40
RW-30	719.60	10/6/2020	24.92	33.15	8.23	692.48
RW-30	719.60	10/19/2020	22.26	41.10	18.84	692.30
RW-30	719.60	11/9/2020	22.74	41.49	18.75	691.84
RW-30	719.60	11/23/2020	23.15	41.50	18.35	691.54
RW-30	719.60	12/26/2020	21.67	39.21	17.54	693.24
RW-30	719.60	2/1/2021	22.84	35.00	12.16	693.51

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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
RW-30	719.60	3/4/2021	22.33	31.71	9.38	694.76
RW-30	717.30	4/1/2021	22.89	28.80	5.91	692.83
RW-30	717.30	4/29/2021	23.52	27.15	3.63	692.81
RW-30	717.30	5/26/2021	24.88	26.95	2.07	691.87
RW-30	717.30	6/9/2021	25.43	26.96	1.53	691.46
RW-30	717.30	7/1/2021	26.25	27.04	0.79	690.84
RW-30	717.30	7/14/2021	26.81	27.44	0.63	690.32
RW-30	717.30	7/28/2021	27.58	28.09	0.51	689.58
RW-30	717.30	8/26/2021	29.1	30.09	0.99	687.94
RW-30	717.30	9/16/2021	30.51	30.62	0.11	686.76
RW-30	717.30	9/23/2021	30.75	31.03	0.28	686.48
RW-31	716.23	9/14/2020	27.38	28.66	1.28	688.51
RW-31	716.23	9/28/2020	23.25	43.45	20.20	687.57
RW-31	716.23	10/2/2020	26.30	35.40	9.10	687.49
RW-31	716.23	10/6/2020	24.99	36.40	11.41	688.18
RW-31	716.23	10/19/2020	22.55	46.14	23.59	687.37
RW-31	716.23	11/9/2020	22.74	48.18	25.44	686.68
RW-31	716.23	11/23/2020	22.91	NW	>25.16	N/A
RW-31	716.23	12/26/2020	21.08	46.13	25.05	688.44
RW-31	716.23	2/1/2021	22.42	46.16	23.74	687.46
RW-31	716.23	3/4/2021	22.31	NW	>23.69	N/A
RW-31	714.14	4/1/2021	25.65	43.79	18.14	683.64
RW-31	714.14	4/29/2021	27.16	36.59	9.43	684.46
RW-31	714.14	5/26/2021	28.82	31.90	3.08	684.50
RW-31	714.14	6/9/2021	29.12	31.72	2.60	684.32
RW-31	714.14	7/1/2021	29.72	31.67	1.95	683.90
RW-31	714.14	7/14/2021	29.74	32.31	2.57	683.71
RW-31	714.14	7/28/2021	30.48	34.25	3.77	682.65
RW-31	714.14	8/26/2021	32.30	37.94	5.64	680.33
RW-31	714.14	9/16/2021	33.37	39.17	5.80	679.22
RW-31	714.14	9/23/2021	33.94	39.37	5.43	678.75
RW-32	716.45	9/28/2020	26.65	38.78	12.13	686.55
RW-32	716.45	10/2/2020	27.50	36.95	9.45	686.42
RW-32	716.45	10/6/2020	27.31	33.30	5.99	687.53
RW-32	716.45	10/8/2020	27.31	33.30	5.99	687.53
RW-32	716.45	10/19/2020	26.89	39.24	12.35	686.25
RW-32	716.45	11/9/2020	27.04	40.14	13.10	685.90
RW-32	716.45	11/23/2020	27.15	40.37	13.22	685.76
RW-32	716.45	12/26/2020	25.31	39.55	14.24	687.32
RW-32	716.45	2/1/2021	28.39	40.42	12.03	684.84
RW-32	716.45	3/4/2021	28.18	38.28	10.10	685.56
RW-32	716.45	4/1/2021	29.62	36.99	7.37	684.85
RW-32	716.45	4/29/2021	30.59	35.51	4.92	684.54
RW-32	716.45	5/26/2021	30.65	34.23	3.58	684.84

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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
RW-32	716.45	6/9/2021	31.06	34.11	3.05	684.57
RW-32	716.45	7/1/2021	31.33	34.24	2.91	684.34
RW-32	716.45	7/14/2021	31.21	34.27	3.06	684.42
RW-32	716.45	7/28/2021	32.17	34.48	2.31	683.66
RW-32	716.45	8/26/2021	34.00	36.36	2.36	681.81
RW-32	716.45	9/16/2021	34.77	37.83	3.06	680.86
RW-32	716.45	9/23/2021	35.40	38.36	2.96	680.25
RW-33	716.59	9/28/2020	ND	31.60	0.00	684.99
RW-33	716.59	10/9/2020	ND	30.88	0.00	685.71
RW-33	716.59	10/19/2020	ND	30.90	0.00	685.69
RW-33	716.59	11/9/2020	ND	31.24	0.00	685.35
RW-33	716.59	11/23/2020	31.25	31.31	0.06	685.32
RW-33	716.59	12/26/2020	31.33	32.34	1.01	684.99
RW-33	716.59	2/1/2021	29.70	38.67	8.97	684.49
RW-33	716.59	3/4/2021	29.94	35.54	5.60	685.15
RW-33	716.59	4/1/2021	29.92	37.13	7.21	684.74
RW-33	716.59	4/29/2021	30.58	37.00	6.42	684.29
RW-33	716.59	5/26/2021	30.50	36.46	5.96	684.50
RW-33	716.59	6/9/2021	30.77	36.74	5.97	684.22
RW-33	716.59	7/1/2021	31.20	36.72	5.52	683.91
RW-33	716.59	7/14/2021	31.27	36.38	5.11	683.95
RW-33	716.59	7/28/2021	31.82	37.49	5.67	683.25
RW-33	716.59	8/26/2021	33.83	38.43	4.60	681.53
RW-33	716.59	9/16/2021	36.13	36.26	0.13	680.43
RW-33	716.59	9/23/2021	36.71	37.04	0.33	679.79
RW-34	735.92	9/28/2020	33.95	43.25	9.30	699.48
RW-34	735.92	10/2/2020	42.78	43.50	0.72	692.94
RW-34	735.92	10/7/2020	42.59	43.31	0.72	693.13
RW-34	735.92	10/19/2020	42.64	43.73	1.09	692.98
RW-34	735.92	11/9/2020	42.21	45.75	3.54	692.76
RW-34	735.92	11/23/2020	41.91	46.26	4.35	692.84
RW-34	735.92	12/26/2020	39.03	48.84	9.81	694.26
RW-34	735.92	2/1/2021	40.58	48.31	7.73	693.27
RW-34	735.92	3/4/2021	40.61	NW	>7.89	N/A
RW-34	735.92	4/1/2021	41.63	48.65	7.02	692.41
RW-34	735.92	4/29/2021	42.06	48.24	6.18	692.20
RW-34	735.92	5/26/2021	42.64	47.52	4.88	691.97
RW-34	735.92	6/9/2021	42.69	48.14	5.45	691.77
RW-34	735.92	7/1/2021	42.65	48.18	5.53	691.79
RW-34	735.92	7/14/2021	43.62	47.11	3.49	691.36
RW-34	735.92	7/28/2021	43.88	47.05	3.17	691.19
RW-34	735.92	8/26/2021	44.40	47.35	2.95	690.73
RW-34	735.92	9/16/2021	45.70	47.34	1.64	689.78
RW-34	735.92	9/23/2021	45.96	47.22	1.26	689.62

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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
RW-35	740.16	10/2/2020	41.25	53.80	12.55	695.55
RW-35	740.16	10/7/2020	42.31	47.66	5.35	696.42
RW-35	740.16	10/19/2020	40.44	53.16	12.72	696.32
RW-35	740.16	11/9/2020	40.87	53.48	12.61	695.92
RW-35	740.16	11/23/2020	41.56	53.07	11.51	695.52
RW-35	740.16	12/26/2020	41.96	54.60	12.64	694.82
RW-35	740.16	2/1/2021	43.28	52.67	9.39	694.37
RW-35	740.16	3/4/2021	43.72	53.11	9.39	693.93
RW-35	740.16	4/1/2021	ND	44.67	0.00	695.49
RW-35	740.16	4/29/2021	44.91	53.92	9.01	692.84
RW-35	740.16	5/26/2021	46.31	49.48	3.17	693.00
RW-35	740.16	6/9/2021	46.84	49.43	2.59	692.63
RW-35	740.16	7/1/2021	48.05	49.70	1.65	691.67
RW-35	740.16	7/14/2021	48.56	49.75	1.19	691.28
RW-35	740.16	7/28/2021	48.78	50.12	1.34	691.02
RW-35	740.16	8/26/2021	49.33	51.09	1.76	690.36
RW-35	740.16	9/16/2021	49.96	52.05	2.09	689.64
RW-35	740.16	9/23/2021	50.16	52.02	1.86	689.50
RW-36	743.69	10/2/2020	45.00	58.63	13.63	695.04
RW-36	743.69	10/7/2020	45.22	56.81	11.59	695.37
RW-36	743.69	10/19/2020	45.39	59.40	14.01	694.55
RW-36	743.69	11/9/2020	45.84	58.68	12.84	694.42
RW-36	743.69	11/23/2020	46.10	59.50	13.40	694.01
RW-36	743.69	12/26/2020	44.45	56.67	12.22	695.97
RW-36	743.69	2/1/2021	46.24	55.27	9.03	695.03
RW-36	741.45	3/4/2021	46.87	54.63	7.76	692.50
RW-36	741.45	4/1/2021	ND	47.92	0.00	693.53
RW-36	741.45	4/29/2021	48.28	53.36	5.08	691.81
RW-36	741.45	5/26/2021	48.44	52.34	3.90	691.97
RW-36	741.45	6/9/2021	48.99	52.77	3.78	691.45
RW-36	741.45	7/1/2021	49.68	54.21	4.53	690.56
RW-36	741.45	7/14/2021	49.85	54.65	4.80	690.32
RW-36	741.45	7/28/2021	50.02	54.97	4.95	690.11
RW-36	741.45	8/26/2021	50.65	55.55	4.90	689.49
RW-36	741.45	9/16/2021	51.94	55.12	3.18	688.66
RW-36	741.45	9/23/2021	52.35	54.61	2.26	688.50
RW-37	744.77	10/8/2020	51.74	53.64	1.90	692.52
RW-37	744.77	10/19/2020	52.15	52.87	0.72	692.43
RW-37	744.77	11/9/2020	51.95	53.65	1.70	692.37
RW-37	744.77	11/23/2020	52.16	53.30	1.14	692.31
RW-37	744.77	12/26/2020	49.85	52.54	2.69	694.20
RW-37	744.77	2/1/2021	49.83	53.88	4.05	693.86
RW-37	742.78	3/4/2021	50.10	53.06	2.96	691.89
RW-37	742.78	4/1/2021	50.51	50.96	0.45	692.15

Table 4
Summary of Recovery Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
RW-37	742.78	4/29/2021	50.79	51.94	1.15	691.68
RW-37	742.78	5/26/2021	50.74	52.13	1.39	691.67
RW-37	742.78	6/9/2021	51.11	51.81	0.70	691.48
RW-37	742.78	7/1/2021	51.53	52.05	0.52	691.11
RW-37	742.78	7/14/2021	51.65	52.16	0.51	690.99
RW-37	742.78	7/28/2021	51.90	52.38	0.48	690.75
RW-37	742.78	8/26/2021	52.45	52.86	0.41	690.22
RW-37	742.78	9/16/2021	52.99	53.33	0.34	689.70
RW-37	742.78	9/23/2021	53.10	53.62	0.52	689.54
RW-38	739.72	10/2/2020	38.70	49.00	10.30	698.27
RW-38	739.72	10/7/2020	39.38	45.53	6.15	698.70
RW-38	739.72	10/19/2020	38.15	49.55	11.40	698.52
RW-38	739.72	11/9/2020	39.17	49.60	10.43	697.76
RW-38	739.72	11/23/2020	39.71	NW	>9.97	N/A
RW-38	739.72	12/26/2020	38.12	47.70	9.58	699.04
RW-38	739.72	2/1/2021	39.17	46.70	7.53	698.54
RW-38	737.33	3/4/2021	39.92	47.00	7.08	695.52
RW-38	737.33	4/1/2021	ND	41.29	0.00	696.04
RW-38	737.33	4/29/2021	42.14	43.90	1.76	694.72
RW-38	737.33	5/26/2021	42.53	42.95	0.42	694.69
RW-38	737.33	6/9/2021	42.92	43.08	0.16	694.37
RW-38	737.33	7/1/2021	43.38	43.60	0.22	693.89
RW-38	737.33	7/14/2021	43.77	43.91	0.14	693.52
RW-38	737.33	7/28/2021	44.14	44.36	0.22	693.13
RW-38	737.33	8/26/2021	44.80	44.95	0.15	692.49
RW-38	737.33	9/16/2021	45.23	45.93	0.70	691.91
RW-38	737.33	9/23/2021	45.35	46.09	0.74	691.78
RW-39	721.77	10/8/2020	ND	32.44	0.00	689.33
RW-39	721.77	10/19/2020	32.49	32.66	0.17	689.24
RW-39	721.77	11/9/2020	32.47	32.64	0.17	689.26
RW-39	721.77	11/23/2020	ND	32.41	0.00	689.36
RW-39	721.77	12/26/2020	32.34	32.49	0.15	689.39
RW-39	721.77	1/19/2021	32.70	32.81	0.11	689.04
RW-39	721.77	1/25/2021	32.63	32.79	0.16	689.10
RW-39	721.77	2/1/2021	32.45	32.60	0.15	689.28
RW-39	721.77	2/8/2021	33.05	33.14	0.09	688.70
RW-39	721.77	2/16/2021	32.68	32.75	0.07	689.07
RW-39	721.77	2/22/2021	32.51	32.56	0.05	689.25
RW-39	721.77	3/4/2021	32.22	32.40	0.18	689.50
RW-39	721.77	3/8/2021	32.60	32.65	0.05	689.16
RW-39	721.77	3/15/2021	32.55	32.60	0.05	689.21
RW-39	721.77	3/22/2021	32.43	32.46	0.03	689.33
RW-39	721.77	4/1/2021	32.12	32.15	0.03	689.64
RW-39	721.77	4/12/2021	32.20	32.24	0.04	689.56

Table 4
Summary of Recovery Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
RW-39	721.77	4/19/2021	32.20	32.22	0.02	689.56
RW-39	721.77	4/29/2021	31.88	31.89	0.01	689.89
RW-39	721.77	5/3/2021	32.06	32.09	0.03	689.70
RW-39	721.77	5/10/2021	33.00	33.03	0.03	688.76
RW-39	721.77	5/18/2021	31.99	32.02	0.03	689.77
RW-39	721.77	5/26/2021	31.88	31.90	0.02	689.88
RW-39	721.77	5/31/2021	32.17	32.20	0.03	689.59
RW-39	721.77	6/7/2021	32.25	32.29	0.04	689.51
RW-39	721.77	6/14/2021	32.28	32.31	0.03	689.48
RW-39	721.77	6/21/2021	32.46	32.49	0.03	689.30
RW-39	721.77	7/1/2021	32.46	32.54	0.08	689.29
RW-39	721.77	7/6/2021	33.88	33.92	0.04	687.88
RW-39	721.77	7/14/2021	32.81	32.89	0.08	688.94
RW-39	721.77	7/28/2021	33.29	33.38	0.09	688.46
RW-39	721.77	8/2/2021	33.82	33.91	0.09	687.93
RW-39	721.77	8/16/2021	33.88	34.72	0.84	687.67
RW-39	721.77	8/26/2021	33.58	35.58	2.00	687.65
RW-39	721.77	8/30/2021	33.80	36.07	2.27	687.36
RW-39	721.77	9/16/2021	32.02	33.03	1.01	689.48
RW-39	721.77	9/23/2021	32.21	33.09	0.88	689.32
RW-40	722.94	10/8/2020	ND	33.34	0.00	689.60
RW-40	722.94	10/19/2020	ND	33.50	0.00	689.44
RW-40	722.94	11/9/2020	ND	33.42	0.00	689.52
RW-40	722.94	11/23/2020	ND	32.57	0.00	690.37
RW-40	722.94	12/26/2020	ND	33.30	0.00	689.64
RW-40	722.94	1/19/2021	ND	33.76	0.00	689.18
RW-40	722.94	1/25/2021	ND	33.69	0.00	689.25
RW-40	722.94	2/1/2021	ND	33.47	0.00	689.47
RW-40	722.94	2/8/2021	ND	34.11	0.00	688.83
RW-40	722.94	2/16/2021	ND	33.72	0.00	689.22
RW-40	722.94	2/22/2021	ND	33.57	0.00	689.37
RW-40	722.94	3/4/2021	ND	33.38	0.00	689.56
RW-40	722.94	3/8/2021	ND	33.64	0.00	689.30
RW-40	722.94	3/16/2021	ND	33.67	0.00	689.27
RW-40	722.94	3/22/2021	ND	33.50	0.00	689.44
RW-40	722.94	4/1/2021	ND	33.15	0.00	689.79
RW-40	722.94	4/12/2021	ND	33.28	0.00	689.66
RW-40	722.94	4/19/2021	ND	33.26	0.00	689.68
RW-40	722.94	4/29/2021	ND	32.91	0.00	690.03
RW-40	722.94	5/3/2021	ND	33.08	0.00	689.86
RW-40	722.94	5/18/2021	ND	32.95	0.00	689.99
RW-40	722.94	5/26/2021	ND	32.82	0.00	690.12
RW-40	722.94	5/31/2021	ND	33.15	0.00	689.79
RW-40	722.94	6/7/2021	ND	33.21	0.00	689.73

Table 4
Summary of Recovery Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
RW-40	722.94	6/14/2021	ND	33.25	0.00	689.69
RW-40	722.94	6/21/2021	ND	33.38	0.00	689.56
RW-40	722.94	7/1/2021	ND	33.34	0.00	689.60
RW-40	722.94	7/6/2021	ND	33.84	0.00	689.10
RW-40	722.94	7/14/2021	ND	33.77	0.00	689.17
RW-40	722.94	7/28/2021	ND	34.17	0.00	688.77
RW-40	722.94	8/2/2021	ND	34.64	0.00	688.30
RW-40	722.94	8/16/2021	ND	34.93	0.00	688.01
RW-40	722.94	8/26/2021	ND	34.87	0.00	688.07
RW-40	722.94	8/30/2021	ND	35.23	0.00	687.71
RW-40	722.94	9/23/2021	ND	35.66	0.00	687.28
RW-40	722.94	10/6/2021	ND	36.21	0.00	686.73
RW-40	722.94	10/12/2021	ND	36.43	0.00	686.51
RW-40	722.94	10/18/2021	ND	36.54	0.00	686.40
RW-41	735.51	11/23/2020	Dry	Dry	Dry	Dry
RW-41	735.51	12/26/2020	Dry	Dry	Dry	Dry
RW-41	735.51	2/1/2021	Dry	Dry	Dry	Dry
RW-41	735.51	3/4/2021	Dry	Dry	Dry	Dry
RW-41	735.51	4/1/2021	Dry	Dry	Dry	Dry
RW-41	735.51	4/12/2021	Dry	Dry	Dry	Dry
RW-41	735.51	4/19/2021	Dry	Dry	Dry	Dry
RW-41	735.51	4/29/2021	Dry	Dry	Dry	Dry
RW-41	735.51	5/3/2021	Dry	Dry	Dry	Dry
RW-41	735.51	5/10/2021	Dry	Dry	Dry	Dry
RW-41	735.51	5/18/2021	Dry	Dry	Dry	Dry
RW-41	735.51	5/26/2021	Dry	Dry	Dry	Dry
RW-41	735.51	5/31/2021	Dry	Dry	Dry	Dry
RW-41	735.51	6/9/2021	Dry	Dry	Dry	Dry
RW-41	735.51	6/14/2021	Dry	Dry	Dry	Dry
RW-41	735.51	6/21/2021	Dry	Dry	Dry	Dry
RW-41	735.51	7/1/2021	Dry	Dry	Dry	Dry
RW-41	735.51	7/6/2021	Dry	Dry	Dry	Dry
RW-41	735.51	7/14/2021	Dry	Dry	Dry	Dry
RW-41	735.51	7/28/2021	Dry	Dry	Dry	Dry
RW-41	735.51	8/2/2021	Dry	Dry	Dry	Dry
RW-41	735.51	8/16/2021	Dry	Dry	Dry	Dry
RW-41	735.51	8/26/2021	Dry	Dry	Dry	Dry
RW-41	735.51	8/30/2021	Dry	Dry	Dry	Dry
RW-41	735.51	9/16/2021	Dry	Dry	Dry	Dry
RW-41	735.51	9/23/2021	Dry	Dry	Dry	Dry
RW-41	735.51	10/6/2021	Dry	Dry	Dry	Dry
RW-41	735.51	10/12/2021	Dry	Dry	Dry	Dry
RW-42	733.80	11/23/2020	Dry	Dry	Dry	Dry
RW-42	733.80	12/26/2020	Dry	Dry	Dry	Dry
RW-42	733.80	1/25/2021	Dry	Dry	Dry	Dry
RW-42	733.80	2/1/2021	Dry	Dry	Dry	Dry
RW-42	733.80	2/8/2021	Dry	Dry	Dry	Dry
RW-42	733.80	3/4/2021	Dry	Dry	Dry	Dry

Table 4
Summary of Recovery Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
RW-42	733.80	4/1/2021	ND	31.29	0.00	702.51
RW-42	733.80	4/12/2021	ND	31.32	0.00	702.48
RW-42	733.80	4/19/2021	Dry	Dry	Dry	Dry
RW-42	733.80	4/29/2021	Dry	Dry	Dry	Dry
RW-42	733.80	5/3/2021	Dry	Dry	Dry	Dry
RW-42	733.80	5/10/2021	Dry	Dry	Dry	Dry
RW-42	733.80	5/18/2021	Dry	Dry	Dry	Dry
RW-42	733.80	5/26/2021	Dry	Dry	Dry	Dry
RW-42	733.80	5/31/2021	Dry	Dry	Dry	Dry
RW-42	733.80	6/9/2021	Dry	Dry	Dry	Dry
RW-42	733.80	6/14/2021	Dry	Dry	Dry	Dry
RW-42	733.80	6/21/2021	Dry	Dry	Dry	Dry
RW-42	733.80	7/1/2021	Dry	Dry	Dry	Dry
RW-42	733.80	7/6/2021	Dry	Dry	Dry	Dry
RW-42	733.80	7/14/2021	Dry	Dry	Dry	Dry
RW-42	734.80	7/28/2021	Dry	Dry	Dry	Dry
RW-42	734.80	8/2/2021	Dry	Dry	Dry	Dry
RW-42	734.80	8/16/2021	Dry	Dry	Dry	Dry
RW-42	734.80	8/26/2021	Dry	Dry	Dry	Dry
RW-42	734.80	8/30/2021	Dry	Dry	Dry	Dry
RW-42	734.80	9/16/2021	Dry	Dry	Dry	Dry
RW-42	734.80	9/23/2021	Dry	Dry	Dry	Dry
RW-42	734.80	10/6/2021	Dry	Dry	Dry	Dry
RW-42	734.80	10/12/2021	Dry	Dry	Dry	Dry
RW-43	737.70	11/23/2020	37.26	41.71	4.45	699.25
RW-43	737.70	12/26/2020	ND	38.56	0.00	699.14
RW-43	737.70	2/1/2021	39.02	41.50	2.48	698.02
RW-43	737.70	3/4/2021	39.60	40.78	1.18	697.78
RW-43	737.70	4/1/2021	ND	40.05	0.00	697.65
RW-43	737.70	4/29/2021	39.69	39.83	0.14	697.97
RW-43	737.70	5/26/2021	39.72	39.75	0.03	697.97
RW-43	737.70	6/9/2021	ND	39.94	0.00	697.76
RW-43	737.70	7/1/2021	40.19	40.43	0.24	697.45
RW-43	737.70	7/14/2021	40.41	40.44	0.03	697.28
RW-43	737.70	7/28/2021	40.65	40.90	0.25	696.98
RW-43	737.70	8/26/2021	ND	41.36	0.00	696.34
RW-43	737.70	9/16/2021	41.47	42.74	1.27	695.89
RW-43	737.70	9/23/2021	ND	41.57	0.00	696.13
RW-44	738.21	11/23/2020	Dry	Dry	Dry	Dry
RW-44	738.21	12/26/2020	Dry	Dry	Dry	Dry
RW-44	738.21	1/19/2021	Dry	Dry	Dry	Dry
RW-44	738.21	1/25/2021	Dry	Dry	Dry	Dry
RW-44	738.21	2/1/2021	Dry	Dry	Dry	Dry
RW-44	738.21	2/8/2021	Dry	Dry	Dry	Dry
RW-44	738.21	2/22/2021	Dry	Dry	Dry	Dry
RW-44	738.21	3/4/2021	Dry	Dry	Dry	Dry
RW-44	738.21	4/1/2021	Dry	Dry	Dry	Dry
RW-44	738.21	4/12/2021	Dry	Dry	Dry	Dry

Table 4
Summary of Recovery Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
RW-44	738.21	4/19/2021	Dry	Dry	Dry	Dry
RW-44	738.21	4/29/2021	Dry	Dry	Dry	Dry
RW-44	738.21	5/3/2021	Dry	Dry	Dry	Dry
RW-44	738.21	5/10/2021	Dry	Dry	Dry	Dry
RW-44	738.21	5/18/2021	Dry	Dry	Dry	Dry
RW-44	738.21	5/26/2021	Dry	Dry	Dry	Dry
RW-44	738.21	5/31/2021	Dry	Dry	Dry	Dry
RW-44	738.21	6/9/2021	Dry	Dry	Dry	Dry
RW-44	738.21	6/14/2021	Dry	Dry	Dry	Dry
RW-44	738.21	6/21/2021	Dry	Dry	Dry	Dry
RW-44	738.21	7/1/2021	Dry	Dry	Dry	Dry
RW-44	738.21	7/6/2021	Dry	Dry	Dry	Dry
RW-44	738.21	7/14/2021	Dry	Dry	Dry	Dry
RW-44	738.21	7/28/2021	Dry	Dry	Dry	Dry
RW-44	738.21	8/2/2021	Dry	Dry	Dry	Dry
RW-44	738.21	8/16/2021	Dry	Dry	Dry	Dry
RW-44	738.21	8/26/2021	Dry	Dry	Dry	Dry
RW-44	738.21	8/30/2021	Dry	Dry	Dry	Dry
RW-44	738.21	9/16/2021	Dry	Dry	Dry	Dry
RW-44	738.21	9/23/2021	Dry	Dry	Dry	Dry
RW-44	738.21	10/6/2021	Dry	Dry	Dry	Dry
RW-44	738.21	10/12/2021	Dry	Dry	Dry	Dry
RW-45	722.04	11/23/2020	31.05	32.01	0.96	690.73
RW-45	722.04	12/26/2020	31.04	31.48	0.44	690.88
RW-45	722.04	2/1/2021	31.18	32.69	1.51	690.46
RW-45	722.04	3/4/2021	31.44	31.58	0.14	690.56
RW-45	722.04	4/1/2021	31.63	31.64	0.01	690.41
RW-45	722.04	4/29/2021	31.49	31.58	0.09	690.53
RW-45	722.04	5/26/2021	32.16	32.18	0.02	689.87
RW-45	722.04	6/9/2021	32.49	32.52	0.03	689.54
RW-45	722.04	7/1/2021	32.94	32.98	0.04	689.09
RW-45	722.04	7/14/2021	ND	33.34	0.00	688.70
RW-45	722.04	7/28/2021	33.82	33.88	0.06	688.20
RW-45	722.04	8/26/2021	ND	34.64	0.00	687.40
RW-45	722.04	9/16/2021	ND	35.26	0.00	686.78
RW-45	722.04	9/23/2021	35.42	35.47	0.05	686.61
RW-46	716.92	11/23/2020	23.02	NW	>20.99	N/A
RW-46	716.92	12/26/2020	24.10	43.70	19.60	687.58
RW-46	716.92	1/25/2021	Dry	Dry	Dry	Dry
RW-46	716.92	2/1/2021	26.60	43.43	16.83	685.82
RW-46	716.92	2/8/2021	ARP	ARP	ARP	ARP
RW-46	716.92	3/4/2021	26.46	41.42	14.96	686.46
RW-46	716.66	4/1/2021	28.38	36.76	8.38	686.03
RW-46	716.66	4/29/2021	28.61	35.09	6.48	686.32
RW-46	716.66	5/26/2021	30.14	33.76	3.62	685.55
RW-46	716.66	6/9/2021	30.85	33.04	2.19	685.23
RW-46	716.66	7/1/2021	31.10	34.19	3.09	684.74
RW-46	716.66	7/14/2021	31.89	33.02	1.13	684.47

Table 4
Summary of Recovery Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
RW-46	716.66	7/28/2021	32.42	35.08	2.66	683.53
RW-46	716.66	8/26/2021	33.96	37.30	3.34	681.81
RW-46	716.66	9/16/2021	35.45	37.56	2.11	680.65
RW-46	716.66	9/23/2021	35.94	38.17	2.23	680.13
RW-47	726.60	12/26/2020	27.60	40.80	13.20	695.47
RW-47	726.60	2/1/2021	29.94	35.94	6.00	695.05
RW-47	726.60	3/4/2021	30.01	33.49	3.48	695.66
RW-47	725.40	4/1/2021	29.50	34.45	4.95	694.58
RW-47	725.40	4/29/2021	28.83	34.58	5.75	695.03
RW-47	725.40	5/26/2021	30.37	32.90	2.53	694.35
RW-47	725.40	6/9/2021	30.58	31.90	1.32	694.47
RW-47	725.40	7/1/2021	30.58	32.93	2.35	694.19
RW-47	725.40	7/14/2021	30.91	33.39	2.48	693.83
RW-47	725.40	7/28/2021	32.07	33.01	0.94	693.08
RW-47	725.40	8/26/2021	50.64	51.16	0.52	674.62
RW-47	725.40	9/16/2021	34.05	34.61	0.56	691.20
RW-47	725.40	9/23/2021	34.30	34.95	0.65	690.93
RW-48	741.03	12/26/2020	33.82	34.54	0.72	707.02
RW-48	741.03	2/1/2021	48.55	51.58	3.03	691.67
RW-48	741.03	3/4/2021	48.48	51.78	3.30	691.67
RW-48	741.03	4/1/2021	48.82	51.21	2.39	691.57
RW-48	741.03	4/29/2021	48.90	50.73	1.83	691.64
RW-48	741.03	5/26/2021	49.14	50.36	1.22	691.56
RW-48	741.03	6/9/2021	33.73	33.85	0.12	707.27
RW-48	741.03	7/1/2021	49.74	50.17	0.43	691.17
RW-48	741.03	7/14/2021	49.96	50.32	0.36	690.97
RW-48	741.03	7/28/2021	50.14	50.41	0.27	690.82
RW-48	741.03	8/26/2021	33.18	33.85	0.67	707.67
RW-48	741.03	9/16/2021	51.22	51.48	0.26	689.74
RW-48	741.03	9/23/2021	51.28	51.75	0.47	689.62
RW-49	730.47	2/1/2021	36.13	37.90	1.77	693.87
RW-49	730.47	3/4/2021	36.87	37.68	0.81	693.38
RW-49	730.47	4/1/2021	37.31	37.44	0.13	693.13
RW-49	730.47	4/29/2021	ND	37.13	0.00	693.34
RW-49	730.47	5/26/2021	38.05	38.49	0.44	692.30
RW-49	730.47	6/9/2021	38.49	38.98	0.49	691.85
RW-49	730.47	7/1/2021	39.04	39.80	0.76	691.23
RW-49	730.47	7/14/2021	39.57	40.72	1.15	690.59
RW-49	730.47	7/28/2021	39.86	39.94	0.08	690.59
RW-49	730.47	8/26/2021	40.33	40.76	0.43	690.03
RW-49	730.47	9/16/2021	40.76	41.33	0.57	689.56
RW-49	730.47	9/23/2021	40.83	40.86	0.03	689.63
RW-50	733.87	2/1/2021	40.40	40.89	0.49	693.34
RW-50	733.87	3/4/2021	40.31	41.26	0.95	693.30
RW-50	733.87	4/1/2021	40.81	41.27	0.46	692.93
RW-50	733.87	4/29/2021	40.21	41.56	1.35	693.30
RW-50	733.87	5/26/2021	ND	41.42	0.00	692.45
RW-50	733.87	6/9/2021	ND	41.76	0.00	692.11

Table 4
Summary of Recovery Well Gauging Data

Colonial Pipeline Company
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Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
RW-50	733.87	7/1/2021	ND	42.29	0.00	691.58
RW-50	733.87	7/14/2021	ND	42.58	0.00	691.29
RW-50	733.87	7/28/2021	42.67	42.69	0.02	691.19
RW-50	733.87	8/26/2021	43.28	43.32	0.04	690.58
RW-50	733.87	9/16/2021	ND	43.82	0.00	690.05
RW-50	733.87	9/23/2021	ND	43.88	0.00	689.99
RW-51	734.12	2/1/2021	40.18	42.23	2.05	693.39
RW-51	734.12	3/4/2021	40.17	42.64	2.47	693.29
RW-51	734.12	4/1/2021	ND	40.85	0.00	693.27
RW-51	734.12	4/29/2021	40.64	41.60	0.96	693.22
RW-51	734.12	5/26/2021	41.51	42.31	0.80	692.40
RW-51	734.12	6/9/2021	41.81	42.57	0.76	692.11
RW-51	734.12	7/1/2021	42.34	43.29	0.95	691.53
RW-51	734.12	7/14/2021	42.91	43.64	0.73	691.01
RW-51	734.12	7/28/2021	43.18	42.89	-0.29	691.02
RW-51	734.12	8/26/2021	43.40	44.10	0.70	690.53
RW-51	734.12	9/16/2021	43.98	44.67	0.69	689.95
RW-51	734.12	9/23/2021	44.05	44.79	0.74	689.87
RW-52	726.96	2/1/2021	28.96	35.10	6.14	696.36
RW-52	726.96	3/4/2021	30.08	33.98	3.90	695.84
RW-52	726.96	4/1/2021	ND	30.56	0.00	696.40
RW-52	726.96	4/29/2021	30.20	32.94	2.74	696.03
RW-52	726.96	5/26/2021	31.26	33.02	1.76	695.23
RW-52	726.96	6/9/2021	31.65	33.25	1.60	694.88
RW-52	726.96	7/1/2021	32.29	33.35	1.06	694.39
RW-52	726.96	7/14/2021	32.77	33.52	0.75	693.99
RW-52	726.96	7/28/2021	32.78	33.02	0.24	694.11
RW-52	726.96	8/26/2021	33.45	33.83	0.38	693.41
RW-52	726.96	9/16/2021	33.63	34.44	0.81	693.11
RW-52	726.96	9/23/2021	33.80	34.04	0.24	693.09
RW-53	725.48	2/1/2021	27.42	30.00	2.58	697.37
RW-53	725.48	3/4/2021	28.02	30.80	2.78	696.72
RW-53	725.48	4/1/2021	28.51	29.36	0.85	696.75
RW-53	725.48	4/29/2021	28.19	30.15	1.96	696.77
RW-53	725.48	5/26/2021	29.15	30.20	1.05	696.05
RW-53	725.48	6/9/2021	29.63	30.35	0.72	695.66
RW-53	725.48	7/1/2021	30.14	31.02	0.88	695.11
RW-53	725.48	7/14/2021	30.44	31.46	1.02	694.77
RW-53	725.48	7/28/2021	30.45	31.00	0.55	694.89
RW-53	725.48	8/26/2021	30.98	31.73	0.75	694.30
RW-53	725.48	9/16/2021	31.31	31.72	0.41	694.06
RW-53	725.48	9/23/2021	31.37	31.74	0.37	694.01
RW-54	727.86	2/1/2021	29.96	43.34	13.38	694.32
RW-54	727.86	3/4/2021	32.95	38.43	5.48	693.44
RW-54	727.86	4/1/2021	ND	31.34	0.00	696.52
RW-54	727.86	4/29/2021	32.34	38.30	5.96	693.92
RW-54	727.86	5/26/2021	34.15	37.99	3.84	692.68
RW-54	727.86	6/9/2021	34.90	37.82	2.92	692.18

Table 4
Summary of Recovery Well Gauging Data

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Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
RW-54	727.86	7/1/2021	35.77	38.08	2.31	691.47
RW-54	727.86	7/14/2021	36.50	38.61	2.11	690.79
RW-54	727.86	7/28/2021	36.73	38.17	1.44	690.74
RW-54	727.86	8/26/2021	37.46	38.77	1.31	690.05
RW-54	727.86	9/16/2021	37.98	39.05	1.07	689.59
RW-54	727.86	9/23/2021	38.04	39.16	1.12	689.52
RW-55	723.05	1/25/2021	27.15	35.11	7.96	693.77
RW-55	723.05	2/1/2021	26.91	35.48	8.57	693.85
RW-55	723.05	2/8/2021	ARP	ARP	ARP	ARP
RW-55	723.05	3/4/2021	27.12	31.21	4.09	694.84
RW-55	723.05	4/1/2021	27.55	29.92	2.37	694.87
RW-55	723.05	4/29/2021	27.24	28.98	1.74	695.35
RW-55	723.05	5/26/2021	28.82	29.91	1.09	693.94
RW-55	723.05	6/9/2021	29.29	29.99	0.70	693.57
RW-55	723.05	7/1/2021	30.04	30.39	0.35	692.92
RW-55	723.05	7/14/2021	29.89	30.05	0.16	693.12
RW-55	723.05	7/28/2021	29.83	30.13	0.30	693.14
RW-55	723.05	8/26/2021	31.08	31.28	0.20	691.92
RW-55	723.05	9/16/2021	31.53	31.79	0.26	691.45
RW-55	723.05	9/23/2021	30.50	32.00	1.50	692.15
RW-56	723.99	1/25/2021	31.85	31.86	0.01	692.14
RW-56	723.99	2/1/2021	31.76	31.91	0.15	692.19
RW-56	723.99	2/8/2021	ARP	ARP	ARP	ARP
RW-56	723.99	3/4/2021	29.18	30.17	0.99	694.55
RW-56	723.99	4/1/2021	29.71	29.92	0.21	694.23
RW-56	723.99	4/29/2021	28.93	29.91	0.98	694.80
RW-56	723.99	5/26/2021	30.04	31.23	1.19	693.63
RW-56	723.99	6/9/2021	30.88	31.44	0.56	692.96
RW-56	723.99	7/1/2021	31.88	31.98	0.10	692.09
RW-56	723.99	7/14/2021	32.10	32.35	0.25	691.83
RW-56	723.99	7/28/2021	ND	32.06	0.00	691.93
RW-56	723.99	8/26/2021	ND	32.89	0.00	691.10
RW-56	723.99	9/16/2021	33.22	33.28	0.06	690.76
RW-56	723.99	9/23/2021	ND	33.25	0.00	690.74
RW-57	713.57	3/15/2021	ARP	ARP	ARP	ARP
RW-57	713.57	3/22/2021	ARP	ARP	ARP	ARP
RW-57	713.57	4/1/2021	25.42	41.45	16.03	683.86
RW-57	713.57	4/29/2021	26.78	36.98	10.20	684.06
RW-57	713.57	5/26/2021	27.43	35.36	7.93	684.02
RW-57	713.57	6/9/2021	27.75	35.08	7.33	683.86
RW-57	713.57	7/1/2021	28.38	34.86	6.48	683.46
RW-57	713.57	7/14/2021	28.56	34.89	6.33	683.32
RW-57	713.57	7/28/2021	29.16	36.88	7.72	682.35
RW-57	713.57	8/26/2021	30.35	43.04	12.69	679.83
RW-57	713.57	9/16/2021	31.58	44.84	13.26	678.45
RW-57	713.57	9/23/2021	31.63	45.69	14.06	678.18
RW-58	714.85	3/15/2021	27.92	50.10	22.18	681.00
RW-58	714.85	3/22/2021	ARP	ARP	ARP	ARP

Table 4
Summary of Recovery Well Gauging Data

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Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
RW-58	714.85	4/1/2021	28.34	31.02	2.68	685.79
RW-58	714.85	4/29/2021	29.50	36.43	6.93	683.50
RW-58	714.85	5/26/2021	30.26	33.28	3.02	683.78
RW-58	714.85	6/9/2021	30.83	32.43	1.60	683.59
RW-58	714.85	7/1/2021	31.34	32.25	0.91	683.27
RW-58	714.85	7/14/2021	31.40	32.38	0.98	683.19
RW-58	714.85	7/28/2021	32.37	33.51	1.14	682.18
RW-58	714.85	8/26/2021	34.02	36.61	2.59	680.14
RW-58	714.85	9/16/2021	34.57	39.06	4.49	679.08
RW-58	714.85	9/23/2021	34.98	39.86	4.88	678.57
RW-59	714.75	3/15/2021	29.39	45.84	16.45	680.96
RW-59	714.75	3/22/2021	ARP	ARP	ARP	ARP
RW-59	714.75	4/1/2021	29.75	37.94	8.19	682.81
RW-59	714.75	4/29/2021	30.39	36.15	5.76	682.82
RW-59	714.75	5/26/2021	31.18	32.80	1.62	683.13
RW-59	714.75	6/9/2021	31.18	33.55	2.37	682.93
RW-59	714.75	7/1/2021	31.78	32.75	0.97	682.71
RW-59	714.75	7/14/2021	31.74	32.73	0.99	682.74
RW-59	714.75	7/28/2021	32.45	34.05	1.60	681.87
RW-59	714.75	8/26/2021	33.60	37.88	4.28	680.00
RW-59	714.75	9/16/2021	34.56	38.97	4.41	679.01
RW-59	714.75	9/23/2021	34.82	40.37	5.55	678.44
RW-60	714.09	3/15/2021	27.04	43.89	16.85	682.54
RW-60	714.09	3/22/2021	ARP	ARP	ARP	ARP
RW-60	714.09	4/1/2021	29.45	37.42	7.97	682.51
RW-60	714.09	4/29/2021	30.48	34.46	3.98	682.55
RW-60	714.09	5/26/2021	29.65	35.60	5.95	682.85
RW-60	714.09	6/9/2021	31.19	32.41	1.22	682.57
RW-60	714.09	7/1/2021	31.28	33.15	1.87	682.31
RW-60	714.09	7/14/2021	30.54	34.86	4.32	682.39
RW-60	714.09	7/28/2021	32.37	33.50	1.13	681.42
RW-60	714.09	8/26/2021	33.96	36.56	2.60	679.44
RW-60	714.09	9/16/2021	34.57	38.36	3.79	678.51
RW-60	714.09	9/23/2021	35.14	39.00	3.86	677.92
RW-61	713.59	4/1/2021	29.36	35.81	6.45	682.50
RW-61	713.59	4/29/2021	30.68	33.97	3.29	682.03
RW-61	713.59	5/26/2021	30.38	33.47	3.09	682.39
RW-61	713.59	6/9/2021	30.68	33.76	3.08	682.09
RW-61	713.59	7/1/2021	30.98	33.79	2.81	681.86
RW-61	713.59	7/14/2021	30.87	33.84	2.97	681.93
RW-61	713.59	7/28/2021	31.71	34.65	2.94	681.10
RW-61	713.59	8/26/2021	33.00	38.14	5.14	679.22
RW-61	713.59	9/16/2021	34.34	37.92	3.58	678.29
RW-61	713.59	9/23/2021	35.30	37.79	2.49	677.63
RW-62	716.21	4/1/2021	30.95	38.66	7.71	683.20
RW-62	716.21	4/29/2021	32.20	36.18	3.98	682.94
RW-62	716.21	5/26/2021	31.94	36.23	4.29	683.12
RW-62	716.21	6/9/2021	32.33	35.78	3.45	682.96

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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
RW-62	716.21	7/1/2021	32.80	35.69	2.89	682.64
RW-62	716.21	7/14/2021	32.65	35.50	2.85	682.80
RW-62	716.21	7/28/2021	33.33	36.47	3.14	682.04
RW-62	716.21	8/26/2021	35.09	38.14	3.05	680.30
RW-62	716.21	9/16/2021	35.88	39.98	4.10	679.23
RW-62	716.21	9/23/2021	36.30	40.94	4.64	678.67
RW-63	716.42	5/26/2021	30.22	34.10	3.88	685.16
RW-63	716.42	6/9/2021	30.78	33.41	2.63	684.94
RW-63	716.42	7/1/2021	30.96	34.97	4.01	684.39
RW-63	716.42	7/14/2021	31.67	33.71	2.04	684.20
RW-63	716.42	7/28/2021	32.21	35.72	3.51	683.27
RW-63	716.42	8/26/2021	33.11	40.00	6.89	681.47
RW-63	716.42	9/16/2021	34.47	40.68	6.21	680.29
RW-63	716.42	9/23/2021	34.97	41.22	6.25	679.78
RW-64	716.89	5/26/2021	26.70	30.65	3.95	689.13
RW-64	716.89	6/9/2021	27.04	30.46	3.42	688.94
RW-64	716.89	7/1/2021	27.54	30.37	2.83	688.59
RW-64	716.89	7/14/2021	27.78	30.41	2.63	688.41
RW-64	716.89	7/28/2021	28.39	30.46	2.07	687.95
RW-64	716.89	8/26/2021	30.52	32.52	2.00	685.84
RW-64	716.89	9/16/2021	Dry	Dry	Dry	Dry
RW-64	716.89	9/23/2021	ND	30.58	0.00	686.31
RW-65	718.07	5/26/2021	31.08	34.65	3.57	686.03
RW-65	718.07	6/9/2021	31.21	35.19	3.98	685.79
RW-65	718.07	7/1/2021	31.79	35.48	3.69	685.29
RW-65	718.07	7/14/2021	32.08	35.65	3.57	685.03
RW-65	718.07	7/28/2021	32.75	36.80	4.05	684.23
RW-65	718.07	8/26/2021	33.94	39.02	5.08	682.77
RW-65	718.07	9/16/2021	34.76	41.40	6.64	681.53
RW-65	718.07	9/23/2021	35.11	41.15	6.04	681.34
RW-66	718.01	5/26/2021	32.71	35.36	2.65	684.59
RW-66	718.01	6/9/2021	33.02	35.21	2.19	684.40
RW-66	718.01	7/1/2021	33.66	35.07	1.41	683.97
RW-66	718.01	7/14/2021	33.58	35.00	1.42	684.05
RW-66	718.01	7/28/2021	34.22	35.19	0.97	683.53
RW-66	718.01	8/26/2021	35.31	37.08	1.77	682.23
RW-66	718.01	9/16/2021	36.64	39.21	2.57	680.68
RW-66	718.01	9/23/2021	36.47	39.43	2.96	680.75
RW-67	716.58	6/9/2021	31.49	32.62	1.13	684.79
RW-67	716.58	7/1/2021	31.74	32.84	1.10	684.54
RW-67	716.58	7/14/2021	31.46	33.51	2.05	684.57
RW-67	716.58	7/28/2021	32.58	33.24	0.66	683.82
RW-67	716.58	8/26/2021	34.19	35.24	1.05	682.11
RW-67	716.58	9/16/2021	34.94	36.88	1.94	681.12
RW-67	716.58	9/23/2021	35.33	37.62	2.29	680.63
RW-68	716.02	6/9/2021	30.20	33.46	3.26	684.95
RW-68	716.02	7/1/2021	30.60	34.10	3.50	684.48
RW-68	716.02	7/14/2021	30.55	35.15	4.60	684.24

Table 4
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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
RW-68	716.02	7/28/2021	31.04	36.71	5.67	683.46
RW-68	716.02	8/26/2021	31.41	41.56	10.15	681.89
RW-68	716.02	9/16/2021	32.94	42.02	9.08	680.65
RW-68	716.02	9/23/2021	33.57	42.54	8.97	680.05
RW-69	717.51	6/9/2021	30.98	32.39	1.41	686.15
RW-69	717.51	7/1/2021	30.65	35.53	4.88	685.55
RW-69	717.51	7/14/2021	31.29	34.95	3.66	685.24
RW-69	717.51	7/28/2021	32.16	35.67	3.51	684.41
RW-69	717.51	8/26/2021	33.96	36.09	2.13	682.98
RW-69	717.51	9/16/2021	35.21	35.84	0.63	682.13
RW-69	717.51	9/23/2021	35.78	35.83	0.05	681.72
RW-70	735.43	8/16/2021	42.31	47.40	5.09	691.75
RW-70	735.43	8/26/2021	42.46	47.43	4.97	691.64
RW-70	735.43	8/30/2021	43.08	47.04	3.96	691.29
RW-70	735.43	9/16/2021	44.54	46.42	1.88	690.38
RW-70	735.43	9/23/2021	44.79	46.40	1.61	690.21
RW-71	714.52	8/2/2021	33.65	36.48	2.83	680.11
RW-71	714.52	8/16/2021	32.93	33.93	1.00	681.32
RW-71	714.52	8/26/2021	34.61	37.48	2.87	679.14
RW-71	714.52	9/16/2021	35.96	37.68	1.72	678.10
RW-71	714.97	9/23/2021	36.72	37.94	1.22	677.92
RW-72	711.57	8/2/2021	31.23	32.55	1.32	679.99
RW-72	711.57	8/16/2021	31.68	33.93	2.25	679.29
RW-72	711.57	8/26/2021	32.78	32.98	0.20	678.74
RW-72	711.57	9/16/2021	33.19	35.43	2.24	677.78
RW-72	711.93	9/23/2021	33.66	36.22	2.56	677.58
RW-73	709.82	8/2/2021	29.18	32.85	3.67	679.66
RW-73	709.82	8/26/2021	30.67	33.24	2.57	678.46
RW-73	709.82	9/16/2021	31.44	34.31	2.87	677.61
RW-73	710.22	9/23/2021	32.38	33.91	1.53	677.43
RW-74	707.44	8/26/2021	25.41	34.28	8.87	679.66
RW-74	707.44	9/16/2021	26.04	37.27	11.23	678.39
RW-74	707.80	9/23/2021	26.41	37.97	11.56	678.30
RW-75	708.82	8/16/2021	23.23	28.40	5.17	684.20
RW-75	708.82	8/26/2021	25.05	26.72	1.67	683.32
RW-75	708.82	9/16/2021	26.02	28.64	2.62	682.09
RW-75	708.82	9/23/2021	26.26	29.07	2.81	681.80
RW-76	710.89	8/16/2021	22.66	31.72	9.06	685.80
RW-76	710.89	8/26/2021	24.90	30.32	5.42	684.54
RW-76	710.89	9/16/2021	25.79	32.36	6.57	683.34
RW-76	710.89	9/23/2021	26.06	32.53	6.47	683.09
RW-77	739.77	8/16/2021	47.35	54.44	7.09	690.52
RW-77	739.77	8/26/2021	47.60	54.43	6.83	690.34
RW-77	739.77	8/30/2021	47.66	54.83	7.17	690.19
RW-77	739.77	9/16/2021	49.07	52.97	3.90	689.65
RW-77	739.77	9/23/2021	49.32	52.86	3.54	689.50
RW-78	739.00	8/16/2021	ND	49.38	0.00	689.62
RW-78	739.00	8/26/2021	ND	49.49	0.00	689.51

Table 4
Summary of Recovery Well Gauging Data

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Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
RW-78	739.00	8/30/2021	ND	50.09	0.00	688.91
RW-78	739.00	9/23/2021	ND	50.36	0.00	688.64
RW-78	739.00	10/6/2021	ND	50.58	0.00	688.42
RW-78	739.00	10/12/2021	ND	50.70	0.00	688.30
RW-78	739.00	10/18/2021	ND	50.81	0.00	688.19
RW-79	727.67	8/26/2021	33.33	38.25	4.92	693.02
RW-79	727.67	8/30/2021	33.35	38.28	4.93	693.00
RW-79	727.67	9/16/2021	33.64	34.84	1.20	693.71
RW-79	727.67	9/23/2021	33.94	35.28	1.34	693.37
RW-80	730.09	8/30/2021	35.24	39.15	3.91	693.80
RW-80	730.09	9/16/2021	36.02	39.40	3.38	693.16
RW-80	730.09	9/23/2021	39.38	---	---	---
RW-81	728.83	8/30/2021	35.35	40.86	5.51	692.00
RW-81	728.83	9/16/2021	35.01	38.76	3.75	692.81
RW-81	728.83	9/23/2021	35.23	38.45	3.22	692.74
RW-82	726.16	9/23/2021	ND	37.84	0.00	688.32
RW-82	726.16	10/6/2021	ND	38.50	0.00	687.66
RW-82	726.16	10/12/2021	ND	38.69	0.00	687.47
RW-82	726.16	10/18/2021	ND	38.75	0.00	687.41
RW-83	713.05	9/16/2021	ND	34.75	0.00	678.30
RW-83	713.05	9/23/2021	35.29	35.34	0.05	677.75
RW-83	713.05	10/6/2021	ARP	ARP	ARP	ARP
RW-85	NM	10/18/2021	29.83	40.68	10.85	--
RW-86	NM	10/18/2021	26.60	30.29	3.69	--
RW-87	NM	10/18/2021	30.20	46.71	16.51	--
Hydraulic Control Wells						
HCW-01	742.48	1/19/2021	ND	50.90	0.00	691.58
HCW-01	742.48	1/25/2021	ND	50.86	0.00	691.62
HCW-01	742.48	2/1/2021	50.14	52.59	2.45	691.69
HCW-01	742.48	2/8/2021	50.35	53.38	3.03	691.32
HCW-01	742.48	2/16/2021	50.02	53.08	3.06	691.64
HCW-01	742.48	2/22/2021	50.00	53.09	3.09	691.65
HCW-01	742.48	3/4/2021	49.90	53.14	3.24	691.71
HCW-01	742.48	3/8/2021	50.16	53.45	3.29	691.44
HCW-01	742.48	3/11/2021	50.10	53.34	3.24	691.51
HCW-01	742.48	3/15/2021	50.08	53.38	3.30	691.52
HCW-01	742.48	3/22/2021	50.09	53.19	3.10	691.56
HCW-01	742.48	4/1/2021	50.05	53.10	3.05	691.61
HCW-01	742.48	4/12/2021	ARP	ARP	ARP	ARP
HCW-01	742.48	4/19/2021	ARP	ARP	ARP	ARP
HCW-01	742.48	4/29/2021	50.81	51.58	0.77	691.46
HCW-01	742.48	5/3/2021	ARP	ARP	ARP	ARP
HCW-01	742.48	5/10/2021	ARP	ARP	ARP	ARP
HCW-01	742.48	5/26/2021	50.86	51.37	0.51	691.48
HCW-01	742.48	6/9/2021	50.90	51.66	0.76	691.38
HCW-01	742.48	7/1/2021	51.17	51.40	0.23	691.25

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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
HCW-01	742.48	7/14/2021	51.32	51.44	0.12	691.13
HCW-01	742.48	7/28/2021	51.55	51.88	0.33	690.84
HCW-01	742.48	8/26/2021	52.10	52.50	0.40	690.27
HCW-01	742.48	9/16/2021	52.63	52.76	0.13	689.82
HCW-01	742.48	9/23/2021	52.75	52.82	0.07	689.71
HCW-01	742.48	10/12/2021	ARP	ARP	ARP	ARP
HCW-02	744.96	1/19/2021	ND	53.12	0.00	691.84
HCW-02	744.96	1/25/2021	ND	53.12	0.00	691.84
HCW-02	744.96	2/1/2021	ND	53.03	0.00	691.93
HCW-02	744.96	2/8/2021	ND	53.39	0.00	691.57
HCW-02	744.96	2/16/2021	ND	53.09	0.00	691.87
HCW-02	744.96	2/22/2021	ND	53.11	0.00	691.85
HCW-02	744.96	3/4/2021	ND	53.10	0.00	691.86
HCW-02	744.96	3/8/2021	ND	53.15	0.00	691.81
HCW-02	744.96	3/15/2021	ND	53.26	0.00	691.70
HCW-02	744.96	3/22/2021	ND	53.15	0.00	691.81
HCW-02	744.96	4/1/2021	ND	53.17	0.00	691.79
HCW-02	744.96	4/12/2021	ND	53.28	0.00	691.68
HCW-02	744.96	4/19/2021	ND	53.35	0.00	691.61
HCW-02	744.96	4/29/2021	ND	53.14	0.00	691.82
HCW-02	744.96	5/3/2021	ND	53.23	0.00	691.73
HCW-02	744.96	5/10/2021	ND	53.41	0.00	691.55
HCW-02	744.96	5/18/2021	ND	53.33	0.00	691.63
HCW-02	744.96	5/26/2021	ND	53.14	0.00	691.82
HCW-02	744.96	5/31/2021	ND	53.27	0.00	691.69
HCW-02	744.96	6/7/2021	ND	53.32	0.00	691.64
HCW-02	744.96	6/14/2021	ND	53.16	0.00	691.80
HCW-02	744.96	6/21/2021	ND	53.44	0.00	691.52
HCW-02	744.96	7/1/2021	ND	53.37	0.00	691.59
HCW-02	744.96	7/6/2021	ND	53.57	0.00	691.39
HCW-02	744.96	7/14/2021	ND	43.56	0.00	701.40
HCW-02	744.96	7/28/2021	ND	53.73	0.00	691.23
HCW-02	744.96	8/2/2021	ND	54.09	0.00	690.87
HCW-02	744.96	8/16/2021	ND	54.16	0.00	690.80
HCW-02	744.96	8/26/2021	ND	54.27	0.00	690.69
HCW-02	744.96	8/30/2021	ND	54.76	0.00	690.20
HCW-02	744.96	9/14/2021	ND	55.04	0.00	689.92
HCW-02	744.96	9/23/2021	ND	54.94	0.00	690.02
HCW-02	744.96	10/6/2021	ND	55.59	0.00	689.37
HCW-02	744.96	10/12/2021	ND	55.57	0.00	689.39
HCW-02	744.96	10/18/2021	ND	55.73	0.00	689.23
HCW-03	745.48	1/19/2021	ND	53.85	0.00	691.63
HCW-03	745.48	1/25/2021	ND	53.78	0.00	691.70
HCW-03	745.48	2/1/2021	ND	53.72	0.00	691.76

Table 4
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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
HCW-03	745.48	2/8/2021	ND	54.08	0.00	691.40
HCW-03	745.48	2/16/2021	ND	53.29	0.00	692.19
HCW-03	745.48	2/22/2021	ND	53.78	0.00	691.70
HCW-03	745.48	3/4/2021	ND	53.78	0.00	691.70
HCW-03	745.48	3/8/2021	ND	53.94	0.00	691.54
HCW-03	745.48	3/15/2021	53.89	53.92	0.03	691.58
HCW-03	745.48	3/22/2021	53.84	53.91	0.07	691.62
HCW-03	745.48	4/1/2021	53.78	53.86	0.08	691.68
HCW-03	745.48	4/12/2021	53.92	54.01	0.09	691.54
HCW-03	745.48	4/19/2021	53.94	54.04	0.10	691.51
HCW-03	745.48	4/29/2021	53.75	53.79	0.04	691.72
HCW-03	745.48	5/3/2021	53.88	53.91	0.03	691.59
HCW-03	745.48	5/10/2021	54.00	54.02	0.02	691.47
HCW-03	745.48	5/18/2021	54.00	54.03	0.03	691.47
HCW-03	745.48	5/26/2021	ND	53.77	0.00	691.71
HCW-03	745.48	5/31/2021	ND	54.02	0.00	691.46
HCW-03	745.48	6/7/2021	54.08	54.11	0.03	691.39
HCW-03	745.48	6/14/2021	ND	53.79	0.00	691.69
HCW-03	745.48	6/21/2021	54.05	54.08	0.03	691.42
HCW-03	745.48	7/1/2021	54.08	54.12	0.04	691.39
HCW-03	745.48	7/6/2021	54.26	54.29	0.03	691.21
HCW-03	745.48	7/14/2021	54.21	54.29	0.08	691.25
HCW-03	745.48	7/28/2021	54.44	54.48	0.04	691.03
HCW-03	745.48	8/2/2021	54.81	54.84	0.03	690.66
HCW-03	745.48	8/16/2021	54.89	54.92	0.03	690.58
HCW-03	745.48	8/26/2021	ND	53.70	0.00	691.78
HCW-03	745.48	9/16/2021	ND	54.18	0.00	691.30
HCW-03	745.48	9/23/2021	ND	54.30	0.00	691.18
HCW-03	745.48	10/12/2021	ARP	ARP	ARP	ARP
HCW-04	746.00	1/19/2021	ND	54.43	0.00	691.57
HCW-04	746.00	1/25/2021	ND	54.39	0.00	691.61
HCW-04	746.00	2/1/2021	ND	54.29	0.00	691.71
HCW-04	746.00	2/8/2021	ND	54.64	0.00	691.36
HCW-04	746.00	2/16/2021	ND	54.34	0.00	691.66
HCW-04	746.00	2/22/2021	ND	54.34	0.00	691.66
HCW-04	746.00	3/4/2021	ND	54.33	0.00	691.67
HCW-04	746.00	3/8/2021	ND	52.43	0.00	693.57
HCW-04	746.00	3/15/2021	ND	54.56	0.00	691.44
HCW-04	746.00	3/22/2021	ND	54.43	0.00	691.57
HCW-04	746.00	4/1/2021	ND	54.43	0.00	691.57
HCW-04	746.00	4/12/2021	ND	54.51	0.00	691.49
HCW-04	746.00	4/19/2021	ND	54.61	0.00	691.39
HCW-04	746.00	4/29/2021	ND	54.42	0.00	691.58
HCW-04	746.00	5/3/2021	ND	54.51	0.00	691.49

Table 4
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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
HCW-04	746.00	5/10/2021	ND	54.60	0.00	691.40
HCW-04	746.00	5/18/2021	ND	54.60	0.00	691.40
HCW-04	746.00	5/26/2021	ND	54.43	0.00	691.57
HCW-04	746.00	5/31/2021	ND	54.63	0.00	691.37
HCW-04	746.00	6/7/2021	ND	54.70	0.00	691.30
HCW-04	746.00	6/14/2021	ND	54.47	0.00	691.53
HCW-04	746.00	6/21/2021	ND	54.74	0.00	691.26
HCW-04	746.00	7/1/2021	ND	54.77	0.00	691.23
HCW-04	746.00	7/6/2021	ND	55.01	0.00	690.99
HCW-04	746.00	7/14/2021	ND	54.93	0.00	691.07
HCW-04	746.00	7/28/2021	ND	55.10	0.00	690.90
HCW-04	746.00	8/2/2021	ND	55.42	0.00	690.58
HCW-04	746.00	8/16/2021	ND	55.50	0.00	690.50
HCW-04	746.00	8/26/2021	ND	55.63	0.00	690.37
HCW-04	746.00	8/30/2021	ND	55.12	0.00	690.88
HCW-04	746.00	9/14/2021	ND	56.40	0.00	689.60
HCW-04	746.00	9/23/2021	ND	56.31	0.00	689.69
HCW-04	746.00	10/6/2021	ND	56.96	0.00	689.04
HCW-04	746.00	10/12/2021	ND	56.97	0.00	689.03
HCW-04	746.00	10/18/2021	ND	57.09	0.00	688.91
HCW-05	743.82	1/19/2021	ND	52.22	0.00	691.60
HCW-05	743.82	1/25/2021	ND	52.18	0.00	691.64
HCW-05	743.82	2/1/2021	ND	52.07	0.00	691.75
HCW-05	743.82	2/8/2021	ND	52.44	0.00	691.38
HCW-05	743.82	2/16/2021	ND	52.12	0.00	691.70
HCW-05	743.82	2/2/2021	ND	52.13	0.00	691.69
HCW-05	743.82	3/4/2021	ND	52.11	0.00	691.71
HCW-05	743.82	3/8/2021	ND	52.22	0.00	691.60
HCW-05	743.82	3/15/2021	ND	52.36	0.00	691.46
HCW-05	743.82	3/22/2021	ND	52.24	0.00	691.58
HCW-05	743.82	4/1/2021	ND	52.24	0.00	691.58
HCW-05	743.82	4/12/2021	ND	52.30	0.00	691.52
HCW-05	743.82	4/19/2021	ND	52.42	0.00	691.40
HCW-05	743.82	4/29/2021	ND	52.24	0.00	691.58
HCW-05	743.82	5/3/2021	ND	52.31	0.00	691.51
HCW-05	743.82	5/10/2021	ND	52.41	0.00	691.41
HCW-05	743.82	5/18/2021	ND	52.41	0.00	691.41
HCW-05	743.82	5/26/2021	ND	52.23	0.00	691.59
HCW-05	743.82	5/31/2021	ND	52.45	0.00	691.37
HCW-05	743.82	6/7/2021	ND	52.51	0.00	691.31
HCW-05	743.82	6/14/2021	ND	52.28	0.00	691.54
HCW-05	743.82	6/21/2021	ND	57.60	0.00	686.22
HCW-05	743.82	7/1/2021	ND	52.57	0.00	691.25
HCW-05	743.82	7/6/2021	ND	52.88	0.00	690.94

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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
HCW-05	743.82	7/14/2021	ND	52.76	0.00	691.06
HCW-05	743.82	7/28/2021	ND	52.44	0.00	691.38
HCW-05	743.82	8/2/2021	ND	53.29	0.00	690.53
HCW-05	743.82	8/16/2021	ND	53.74	0.00	690.08
HCW-05	743.82	8/26/2021	53.45	53.46	0.01	690.37
HCW-05	743.82	8/30/2021	53.93	53.93	0.00	689.89
HCW-05	743.82	9/14/2021	29.05	30.45	1.40	714.40
HCW-05	743.82	9/23/2021	ND	54.08	0.00	689.74
HCW-05	743.82	10/6/2021	ND	54.72	0.00	689.10
HCW-05	743.82	10/12/2021	ND	54.81	0.00	689.01
HCW-05	743.82	10/18/2021	ND	54.89	0.00	688.93
HCW-06	743.70	1/19/2021	ND	52.10	0.00	691.60
HCW-06	743.70	1/25/2021	51.34	52.15	0.81	692.14
HCW-06	743.70	2/1/2021	51.81	52.19	0.38	691.79
HCW-06	743.70	2/8/2021	51.94	53.38	1.44	691.37
HCW-06	743.70	2/16/2021	51.59	52.88	1.29	691.76
HCW-06	743.70	2/22/2021	51.58	52.79	1.21	691.80
HCW-06	743.70	3/4/2021	51.53	52.71	1.18	691.85
HCW-06	743.70	3/8/2021	51.84	53.22	1.38	691.49
HCW-06	743.70	3/15/2021	51.91	53.25	1.34	691.43
HCW-06	743.70	3/22/2021	51.80	53.03	1.23	691.57
HCW-06	743.70	4/1/2021	51.72	52.96	1.24	691.65
HCW-06	743.70	4/12/2021	51.87	53.14	1.27	691.49
HCW-06	743.70	4/19/2021	51.91	53.24	1.33	691.43
HCW-06	743.70	4/29/2021	51.73	52.90	1.17	691.66
HCW-06	743.70	5/3/2021	51.85	53.09	1.24	691.52
HCW-06	743.70	5/10/2021	51.91	53.22	1.31	691.44
HCW-06	743.70	5/18/2021	51.98	53.28	1.30	691.37
HCW-06	743.70	5/26/2021	52.26	54.69	2.43	690.79
HCW-06	743.70	6/9/2021	52.63	54.29	1.66	690.63
HCW-06	743.70	7/1/2021	53.04	54.02	0.98	690.40
HCW-06	743.70	7/14/2021	53.13	54.28	1.15	690.26
HCW-06	743.70	7/28/2021	53.59	53.87	0.28	690.04
HCW-06	743.70	8/26/2021	54.19	54.23	0.04	689.50
HCW-06	743.70	9/16/2021	ND	54.71	0.00	688.99
HCW-06	743.70	9/23/2021	ND	54.84	0.00	688.86
HCW-06	743.70	10/12/2021	ARP	ARP	ARP	ARP
HCW-07	742.86	1/19/2021	ND	51.23	0.00	691.63
HCW-07	742.86	1/25/2021	ND	51.13	0.00	691.73
HCW-07	742.86	2/1/2021	ND	51.00	0.00	691.86
HCW-07	742.86	2/8/2021	50.59	53.80	3.21	691.41
HCW-07	742.86	2/16/2021	49.92	53.99	4.07	691.85
HCW-07	742.86	2/22/2021	49.94	53.92	3.98	691.85
HCW-07	742.86	3/4/2021	49.86	53.84	3.98	691.93

Table 4
Summary of Recovery Well Gauging Data

Colonial Pipeline Company
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Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
HCW-07	742.86	3/8/2021	50.18	54.24	4.06	691.59
HCW-07	742.86	3/15/2021	50.32	54.43	4.11	691.44
HCW-07	742.86	3/22/2021	50.22	54.12	3.90	691.60
HCW-07	742.86	4/1/2021	50.19	53.82	3.63	691.70
HCW-07	742.86	4/12/2021	50.45	53.93	3.48	691.48
HCW-07	742.86	4/19/2021	50.55	53.76	3.21	691.45
HCW-07	742.86	4/29/2021	50.38	53.24	2.86	691.71
HCW-07	742.86	5/3/2021	50.54	53.37	2.83	691.56
HCW-07	742.86	5/10/2021	50.68	53.35	2.67	691.47
HCW-07	742.86	5/18/2021	50.79	53.32	2.53	691.39
HCW-07	742.86	5/26/2021	51.41	53.67	2.26	690.85
HCW-07	742.86	6/9/2021	51.91	52.98	1.07	690.66
HCW-07	742.86	7/1/2021	52.31	53.06	0.75	690.35
HCW-07	742.86	7/14/2021	52.43	53.14	0.71	690.24
HCW-07	742.86	7/28/2021	52.64	53.47	0.83	690.00
HCW-07	742.86	8/26/2021	53.15	54.15	1.00	689.44
HCW-07	742.86	9/16/2021	53.82	54.19	0.37	688.94
HCW-07	742.86	9/23/2021	53.95	54.30	0.35	688.82
HCW-07	742.86	10/12/2021	ARP	ARP	ARP	ARP
HCW-08	742.96	1/19/2021	ND	51.42	0.00	691.54
HCW-08	742.96	1/25/2021	ND	51.20	0.00	691.76
HCW-08	742.96	2/1/2021	ND	51.07	0.00	691.89
HCW-08	742.96	2/8/2021	ND	51.54	0.00	691.42
HCW-08	742.96	2/16/2021	ND	51.16	0.00	691.80
HCW-08	742.96	2/22/2021	ND	51.16	0.00	691.80
HCW-08	742.96	3/4/2021	ND	51.12	0.00	691.84
HCW-08	742.96	3/8/2021	ND	51.28	0.00	691.68
HCW-08	742.96	3/15/2021	ND	51.63	0.00	691.33
HCW-08	742.96	3/22/2021	ND	51.40	0.00	691.56
HCW-08	742.96	4/1/2021	ND	51.33	0.00	691.63
HCW-08	742.96	4/12/2021	ND	51.55	0.00	691.41
HCW-08	742.96	4/19/2021	ND	51.67	0.00	691.29
HCW-08	742.96	4/29/2021	ND	51.34	0.00	691.62
HCW-08	742.96	5/3/2021	ND	51.48	0.00	691.48
HCW-08	742.96	5/10/2021	ND	51.54	0.00	691.42
HCW-08	742.96	5/18/2021	ND	51.61	0.00	691.35
HCW-08	742.96	5/26/2021	ND	51.38	0.00	691.58
HCW-08	742.96	6/7/2021	ND	51.85	0.00	691.11
HCW-08	742.96	6/14/2021	ND	51.47	0.00	691.49
HCW-08	742.96	6/21/2021	ND	52.03	0.00	690.93
HCW-08	742.96	7/1/2021	ND	51.83	0.00	691.13
HCW-08	742.96	7/6/2021	ND	52.37	0.00	690.59
HCW-08	742.96	7/14/2021	ND	52.01	0.00	690.95
HCW-08	742.96	7/28/2021	ND	52.19	0.00	690.77

Table 4
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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
HCW-08	742.96	8/2/2021	ND	52.72	0.00	690.24
HCW-08	742.96	8/16/2021	ND	52.76	0.00	690.20
HCW-08	742.96	8/26/2021	ND	52.70	0.00	690.26
HCW-08	742.96	8/30/2021	ND	53.23	0.00	689.73
HCW-08	742.96	9/14/2021	ND	53.61	0.00	689.35
HCW-08	742.96	9/23/2021	ND	53.91	0.00	689.05
HCW-08	742.96	10/6/2021	ND	54.38	0.00	688.58
HCW-08	742.96	10/12/2021	ND	54.25	0.00	688.71
HCW-08	742.96	10/18/2021	ND	54.45	0.00	688.51
HCW-09	744.49	1/19/2021	ND	52.70	0.00	691.79
HCW-09	744.49	1/25/2021	ND	52.50	0.00	691.99
HCW-09	744.49	2/1/2021	ND	52.36	0.00	692.13
HCW-09	744.49	2/8/2021	ND	53.03	0.00	691.46
HCW-09	744.49	2/16/2021	ND	52.66	0.00	691.83
HCW-09	744.49	2/22/2021	ND	52.65	0.00	691.84
HCW-09	744.49	3/4/2021	ND	52.57	0.00	691.92
HCW-09	744.49	3/8/2021	ND	52.82	0.00	691.67
HCW-09	744.49	3/15/2021	ND	53.20	0.00	691.29
HCW-09	744.49	3/22/2021	ND	53.02	0.00	691.47
HCW-09	744.49	4/1/2021	ND	52.89	0.00	691.60
HCW-09	744.49	4/12/2021	ND	53.21	0.00	691.28
HCW-09	744.49	4/19/2021	ND	53.32	0.00	691.17
HCW-09	744.49	4/29/2021	ND	52.91	0.00	691.58
HCW-09	744.49	5/3/2021	ND	52.89	0.00	691.60
HCW-09	744.49	5/10/2021	ND	52.97	0.00	691.52
HCW-09	744.49	5/18/2021	ND	53.14	0.00	691.35
HCW-09	744.49	5/26/2021	ND	52.89	0.00	691.60
HCW-09	744.49	6/7/2021	ND	53.60	0.00	690.89
HCW-09	744.49	6/14/2021	ND	53.00	0.00	691.49
HCW-09	744.49	6/21/2021	ND	53.79	0.00	690.70
HCW-09	744.49	7/1/2021	ND	53.53	0.00	690.96
HCW-09	744.49	7/6/2021	ND	54.23	0.00	690.26
HCW-09	744.49	7/14/2021	ND	53.69	0.00	690.80
HCW-09	744.49	7/28/2021	ND	53.98	0.00	690.51
HCW-09	744.49	8/2/2021	ND	54.60	0.00	689.89
HCW-09	744.49	8/16/2021	ND	54.61	0.00	689.88
HCW-09	744.49	8/26/2021	ND	54.36	0.00	690.13
HCW-09	744.49	8/30/2021	ND	55.15	0.00	689.34
HCW-09	744.49	9/14/2021	ND	55.56	0.00	688.93
HCW-09	744.49	9/23/2021	ND	55.14	0.00	689.35
HCW-09	744.49	10/6/2021	ND	56.46	0.00	688.03
HCW-09	744.49	10/12/2021	ND	56.32	0.00	688.17
HCW-09	744.49	10/18/2021	ND	56.53	0.00	687.96
HCW-10	743.90	1/19/2021	50.52	50.62	0.10	693.36

Table 4
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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
HCW-10	743.90	1/25/2021	50.98	52.25	1.27	692.58
HCW-10	743.90	2/1/2021	50.39	50.40	0.01	693.51
HCW-10	743.90	2/8/2021	52.04	52.91	0.87	691.63
HCW-10	743.90	2/16/2021	51.79	53.03	1.24	691.78
HCW-10	743.90	2/22/2021	51.73	53.04	1.31	691.82
HCW-10	743.90	3/4/2021	51.14	52.68	1.54	692.35
HCW-10	743.90	3/8/2021	52.14	54.00	1.86	691.26
HCW-10	743.90	3/15/2021	52.46	54.48	2.02	690.90
HCW-10	743.90	3/22/2021	52.64	54.59	1.95	690.74
HCW-10	743.90	4/1/2021	51.84	53.73	1.89	691.55
HCW-10	743.90	4/12/2021	52.89	54.90	2.01	690.47
HCW-10	743.90	4/19/2021	52.74	54.92	2.18	690.58
HCW-10	743.90	4/29/2021	51.84	53.79	1.95	691.54
HCW-10	743.90	5/3/2021	51.12	53.13	2.01	692.24
HCW-10	743.90	5/10/2021	51.30	53.49	2.19	692.01
HCW-10	743.90	5/18/2021	52.16	54.43	2.27	691.13
HCW-10	743.90	5/26/2021	50.44	51.20	0.76	693.26
HCW-10	743.90	6/9/2021	50.88	52.00	1.12	692.72
HCW-10	743.90	7/1/2021	51.74	53.51	1.77	691.69
HCW-10	743.90	7/14/2021	51.98	53.17	1.19	691.60
HCW-10	743.90	7/28/2021	52.20	53.48	1.28	691.36
HCW-10	743.90	8/26/2021	52.81	54.08	1.27	690.75
HCW-10	743.90	9/16/2021	53.64	55.25	1.61	689.83
HCW-10	743.90	9/23/2021	53.79	55.52	1.73	689.65
HCW-10	743.90	10/12/2021	ARP	ARP	ARP	ARP
HCW-11	741.26	1/19/2021	ND	49.32	0.00	691.94
HCW-11	741.26	1/25/2021	ND	48.45	0.00	692.81
HCW-11	741.26	2/1/2021	ND	48.30	0.00	692.96
HCW-11	741.26	2/8/2021	ND	49.65	0.00	691.61
HCW-11	741.26	2/16/2021	ND	49.43	0.00	691.83
HCW-11	741.26	2/22/2021	ND	49.42	0.00	691.84
HCW-11	741.26	3/4/2021	ND	48.65	0.00	692.61
HCW-11	741.26	3/8/2021	ND	49.92	0.00	691.34
HCW-11	741.26	3/15/2021	ND	14.51	0.00	726.75
HCW-11	741.26	3/22/2021	ND	50.73	0.00	690.53
HCW-11	741.26	4/1/2021	ND	49.49	0.00	691.77
HCW-11	741.26	4/12/2021	ND	50.96	0.00	690.30
HCW-11	741.26	4/19/2021	ND	50.72	0.00	690.54
HCW-11	741.26	4/29/2021	ND	49.29	0.00	691.97
HCW-11	741.26	5/3/2021	ND	48.56	0.00	692.70
HCW-11	741.26	5/10/2021	ND	48.96	0.00	692.30
HCW-11	741.26	5/18/2021	ND	50.18	0.00	691.08
HCW-11	741.26	5/26/2021	ND	49.04	0.00	692.22
HCW-11	741.26	5/31/2021	ND	50.49	0.00	690.77

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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
HCW-11	741.26	6/7/2021	ND	51.12	0.00	690.14
HCW-11	741.26	6/14/2021	ND	49.29	0.00	691.97
HCW-11	741.26	6/21/2021	ND	50.16	0.00	691.10
HCW-11	741.26	7/1/2021	ND	50.28	0.00	690.98
HCW-11	741.26	7/6/2021	ND	53.26	0.00	688.00
HCW-11	741.26	7/14/2021	ND	50.64	0.00	690.62
HCW-11	741.26	7/28/2021	ND	50.84	0.00	690.42
HCW-11	741.26	8/2/2021	ND	53.29	0.00	687.97
HCW-11	741.26	8/16/2021	ND	53.40	0.00	687.86
HCW-11	741.26	8/26/2021	ND	51.39	0.00	689.87
HCW-11	741.26	8/30/2021	ND	54.04	0.00	687.22
HCW-11	741.26	9/14/2021	ND	54.82	0.00	686.44
HCW-11	741.26	9/23/2021	ND	52.42	0.00	688.84
HCW-11	741.26	10/6/2021	ND	55.41	0.00	685.85
HCW-11	741.26	10/12/2021	ND	55.24	0.00	686.02
HCW-11	741.26	10/18/2021	ND	55.44	0.00	685.82
HCW-12	740.75	1/19/2021	ND	23.93	0.00	716.82
HCW-12	740.75	1/25/2021	ND	43.24	0.00	697.51
HCW-12	740.75	2/1/2021	Dry	Dry	Dry	Dry
HCW-12	740.75	2/8/2021	Dry	Dry	Dry	Dry
HCW-12	740.75	2/16/2021	ND	47.86	0.00	692.89
HCW-12	740.75	2/22/2021	ND	48.06	0.00	692.69
HCW-12	740.75	3/4/2021	ND	48.04	0.00	692.71
HCW-12	740.75	3/8/2021	ND	48.28	0.00	692.47
HCW-12	740.75	3/15/2021	ND	48.44	0.00	692.31
HCW-12	740.75	3/22/2021	ND	48.71	0.00	692.04
HCW-12	740.75	4/1/2021	ND	48.87	0.00	691.88
HCW-12	740.75	4/12/2021	49.03	49.04	0.01	691.72
HCW-12	740.75	4/19/2021	ND	49.94	0.00	690.81
HCW-12	740.75	4/29/2021	48.67	48.68	0.01	692.08
HCW-12	740.75	5/3/2021	ND	47.94	0.00	692.81
HCW-12	740.75	5/10/2021	ND	47.58	0.00	693.17
HCW-12	740.75	5/18/2021	ND	47.68	0.00	693.07
HCW-12	740.75	5/26/2021	ND	47.69	0.00	693.06
HCW-12	740.75	5/31/2021	ND	48.02	0.00	692.73
HCW-12	740.75	6/7/2021	ND	48.35	0.00	692.40
HCW-12	740.75	6/14/2021	ND	47.94	0.00	692.81
HCW-12	740.75	6/21/2021	ND	48.16	0.00	692.59
HCW-12	740.75	7/1/2021	ND	48.79	0.00	691.96
HCW-12	740.75	7/6/2021	ND	49.34	0.00	691.41
HCW-12	740.75	7/14/2021	ND	49.26	0.00	691.49
HCW-12	740.75	7/28/2021	ND	49.48	0.00	691.27
HCW-12	740.75	8/2/2021	ND	50.00	0.00	690.75
HCW-12	740.75	8/16/2021	Dry	Dry	Dry	Dry

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HCW-12	740.75	8/26/2021	ND	50.13	0.00	690.62
HCW-12	740.75	8/30/2021	Dry	Dry	Dry	Dry
HCW-12	740.75	9/14/2021	ND	51.24	0.00	689.51
HCW-12	740.75	9/23/2021	ND	51.05	0.00	689.70
HCW-12	740.75	10/6/2021	Dry	Dry	Dry	Dry
HCW-12	740.75	10/12/2021	ND	52.00	0.00	688.75
HCW-12	740.75	10/18/2021	Dry	Dry	Dry	Dry
HCW-13	741.53	1/25/2021	ND	46.81	0.00	694.72
HCW-13	741.53	2/1/2021	46.33	48.32	1.99	694.67
HCW-13	741.53	2/8/2021	ARP	ARP	ARP	ARP
HCW-13	741.53	2/16/2021	44.21	51.43	7.22	695.39
HCW-13	741.53	2/22/2021	44.31	51.43	7.12	695.31
HCW-13	741.53	3/4/2021	44.51	51.52	7.01	695.14
HCW-13	741.53	3/8/2021	44.74	51.56	6.82	694.96
HCW-13	741.53	3/15/2021	44.98	51.48	6.50	694.81
HCW-13	741.53	3/22/2021	45.31	51.43	6.12	694.58
HCW-13	740.79	4/1/2021	ND	44.73	0.00	696.06
HCW-13	740.79	4/12/2021	ARP	ARP	ARP	ARP
HCW-13	740.79	4/19/2021	ARP	ARP	ARP	ARP
HCW-13	740.79	4/29/2021	43.34	50.31	6.97	695.58
HCW-13	740.79	5/3/2021	ARP	ARP	ARP	ARP
HCW-13	740.79	5/10/2021	ARP	ARP	ARP	ARP
HCW-13	740.79	5/26/2021	45.86	49.20	3.34	694.04
HCW-13	740.79	6/9/2021	46.34	48.98	2.64	693.74
HCW-13	740.79	7/1/2021	47.16	48.96	1.80	693.15
HCW-13	740.79	7/14/2021	47.49	49.29	1.80	692.82
HCW-13	740.79	7/28/2021	48.03	50.18	2.15	692.18
HCW-13	740.79	8/26/2021	48.90	50.41	1.51	691.49
HCW-13	740.79	9/16/2021	49.34	50.75	1.41	691.07
HCW-13	740.79	9/23/2021	49.39	50.31	0.92	691.15
HCW-13	740.79	10/12/2021	ARP	ARP	ARP	ARP
HCW-14	738.67	1/25/2021	ND	43.07	0.00	695.60
HCW-14	738.67	2/1/2021	ND	43.83	0.00	694.84
HCW-14	738.67	2/8/2021	44.25	44.44	0.19	694.37
HCW-14	738.67	2/16/2021	41.56	46.24	4.68	695.86
HCW-14	738.67	2/22/2021	41.29	NW	>8.71	N/A
HCW-14	738.67	3/4/2021	41.35	50.00	8.65	695.01
HCW-14	738.67	3/8/2021	41.68	NW	>8.32	N/A
HCW-14	738.67	3/15/2021	41.89	NW	>8.11	N/A
HCW-14	738.67	3/22/2021	42.22	NW	>7.78	N/A
HCW-14	739.18	4/1/2021	ND	43.11	0.00	696.07
HCW-14	739.18	4/12/2021	ARP	ARP	ARP	ARP
HCW-14	739.18	4/19/2021	ARP	ARP	ARP	ARP
HCW-14	739.18	4/29/2021	43.71	46.93	3.22	694.61

Table 4
Summary of Recovery Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
HCW-14	739.18	5/3/2021	ARP	ARP	ARP	ARP
HCW-14	739.18	5/10/2021	ARP	ARP	ARP	ARP
HCW-14	739.18	5/26/2021	44.31	45.06	0.75	694.67
HCW-14	739.18	6/9/2021	44.58	45.38	0.80	694.39
HCW-14	739.18	7/1/2021	45.06	45.88	0.82	693.90
HCW-14	739.18	7/14/2021	45.50	46.21	0.71	693.49
HCW-14	739.18	7/28/2021	45.81	46.86	1.05	693.09
HCW-14	739.18	8/26/2021	46.60	47.52	0.92	692.33
HCW-14	739.18	9/16/2021	47.13	48.00	0.87	691.82
HCW-14	739.18	9/23/2021	47.28	48.00	0.72	691.71
HCW-14	739.18	10/12/2021	ARP	ARP	ARP	ARP
HCW-15	736.71	1/25/2021	ND	40.88	0.00	695.83
HCW-15	736.71	2/1/2021	ND	41.62	0.00	695.09
HCW-15	736.71	2/8/2021	42.15	42.25	0.10	694.53
HCW-15	736.71	2/16/2021	39.13	51.43	12.30	694.28
HCW-15	736.71	2/22/2021	39.27	46.04	6.77	695.62
HCW-15	736.71	3/4/2021	39.21	46.10	6.89	695.65
HCW-15	736.71	3/8/2021	39.65	46.22	6.57	695.30
HCW-15	736.71	3/15/2021	39.95	46.11	6.16	695.11
HCW-15	736.71	3/22/2021	40.24	46.03	5.79	694.92
HCW-15	737.19	4/1/2021	ND	41.07	0.00	696.12
HCW-15	737.19	4/12/2021	ARP	ARP	ARP	ARP
HCW-15	737.19	4/19/2021	ARP	ARP	ARP	ARP
HCW-15	737.19	4/29/2021	41.72	44.58	2.86	694.70
HCW-15	737.19	5/3/2021	ARP	ARP	ARP	ARP
HCW-15	737.19	5/10/2021	ARP	ARP	ARP	ARP
HCW-15	737.19	5/26/2021	42.04	43.82	1.78	694.67
HCW-15	737.19	6/9/2021	42.49	43.83	1.34	694.34
HCW-15	737.19	7/1/2021	43.09	43.95	0.86	693.87
HCW-15	737.19	7/14/2021	43.46	44.48	1.02	693.46
HCW-15	737.19	7/28/2021	43.85	45.06	1.21	693.02
HCW-15	737.19	8/26/2021	44.41	45.70	1.29	692.43
HCW-15	737.19	9/16/2021	45.37	46.10	0.73	691.62
HCW-15	737.19	9/23/2021	45.24	46.24	1.00	691.68
HCW-15	737.19	10/12/2021	ARP	ARP	ARP	ARP
HCW-16	736.35	1/25/2021	39.28	39.77	0.49	696.94
HCW-16	736.35	2/1/2021	39.38	40.96	1.58	696.55
HCW-16	736.35	2/8/2021	38.85	41.05	2.20	696.91
HCW-16	736.35	2/16/2021	38.69	41.09	2.40	697.02
HCW-16	736.35	2/22/2021	38.79	41.28	2.49	696.90
HCW-16	736.35	3/4/2021	38.80	41.70	2.90	696.78
HCW-16	736.35	3/8/2021	39.09	41.84	2.75	696.53
HCW-16	736.35	3/15/2021	39.33	41.87	2.54	696.34
HCW-16	736.35	3/22/2021	39.69	41.83	2.14	696.09
HCW-16	736.35	4/1/2021	40.08	41.72	1.64	695.83
HCW-16	736.35	4/12/2021	40.34	40.35	0.01	696.01
HCW-16	736.35	4/19/2021	40.22	40.70	0.48	696.00

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Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
HCW-16	736.35	4/29/2021	40.24	40.91	0.67	695.93
HCW-16	736.35	5/3/2021	40.27	40.86	0.59	695.92
HCW-16	736.35	5/10/2021	40.35	41.10	0.75	695.80
HCW-16	736.35	5/18/2021	40.36	41.18	0.82	695.77
HCW-16	736.35	5/26/2021	40.30	41.23	0.93	695.80
HCW-16	736.35	5/31/2021	ARP	ARP	ARP	ARP
HCW-16	736.35	6/9/2021	39.96	40.96	1.00	696.12
HCW-16	736.35	7/1/2021	40.42	41.14	0.72	695.74
HCW-16	736.35	7/14/2021	40.40	41.22	0.82	695.73
HCW-16	736.35	7/28/2021	40.71	41.38	0.67	695.46
HCW-16	736.35	8/26/2021	40.72	41.44	0.72	695.44
HCW-16	736.35	9/16/2021	40.72	41.60	0.88	695.40
HCW-16	736.35	9/23/2021	40.43	41.34	0.91	695.68
HCW-16	736.35	10/12/2021	ARP	ARP	ARP	ARP
HCW-17	733.19	1/25/2021	ND	34.90	0.00	698.29
HCW-17	733.19	2/1/2021	ND	36.49	0.00	696.70
HCW-17	733.19	2/8/2021	ND	36.49	0.00	696.70
HCW-17	733.19	2/16/2021	ND	36.48	0.00	696.71
HCW-17	733.19	2/22/2021	ND	35.76	0.00	697.43
HCW-17	733.19	3/4/2021	ND	35.78	0.00	697.41
HCW-17	733.19	3/8/2021	ND	35.88	0.00	697.31
HCW-17	733.19	3/15/2021	ND	35.80	0.00	697.39
HCW-17	733.19	3/22/2021	ND	35.74	0.00	697.45
HCW-17	733.19	4/1/2021	ND	35.78	0.00	697.41
HCW-17	733.19	4/12/2021	ND	35.80	0.00	697.39
HCW-17	733.19	4/19/2021	ND	35.75	0.00	697.44
HCW-17	733.19	4/29/2021	ND	35.75	0.00	697.44
HCW-17	733.19	5/3/2021	ND	35.70	0.00	697.49
HCW-17	733.19	5/10/2021	ND	35.76	0.00	697.43
HCW-17	733.19	5/18/2021	ND	35.78	0.00	697.41
HCW-17	733.19	5/26/2021	ND	35.74	0.00	697.45
HCW-17	733.19	5/31/2021	ND	35.73	0.00	697.46
HCW-17	733.19	6/7/2021	ND	35.78	0.00	697.41
HCW-17	733.19	6/14/2021	ND	35.76	0.00	697.43
HCW-17	733.19	6/21/2021	ND	35.70	0.00	697.49
HCW-17	733.19	7/1/2021	ND	35.70	0.00	697.49
HCW-17	733.19	7/6/2021	ND	35.72	0.00	697.47
HCW-17	733.19	7/14/2021	ND	35.72	0.00	697.47
HCW-17	733.19	7/28/2021	ND	35.70	0.00	697.49
HCW-17	733.19	8/2/2021	ND	35.72	0.00	697.47
HCW-17	733.19	8/16/2021	ND	35.62	0.00	697.57
HCW-17	733.19	8/26/2021	ND	35.67	0.00	697.52
HCW-17	733.19	8/30/2021	ND	35.68	0.00	697.51
HCW-17	733.19	9/14/2021	ND	35.79	0.00	697.40
HCW-17	733.19	9/23/2021	ND	35.76	0.00	697.43
HCW-17	733.19	10/6/2021	ND	35.76	0.00	697.43

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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
HCW-17	733.19	10/12/2021	ND	35.77	0.00	697.42
HCW-17	733.19	10/18/2021	ND	35.72	0.00	697.47
HCW-18	731.12	1/25/2021	ND	34.58	0.00	696.54
HCW-18	731.12	2/1/2021	ND	31.97	0.00	699.15
HCW-18	731.12	2/8/2021	ND	31.98	0.00	699.14
HCW-18	731.12	2/16/2021	ND	31.99	0.00	699.13
HCW-18	731.12	2/22/2021	ND	32.05	0.00	699.07
HCW-18	731.12	3/4/2021	ND	32.02	0.00	699.10
HCW-18	731.12	3/8/2021	31.99	32.00	0.01	699.13
HCW-18	731.12	3/15/2021	31.96	31.99	0.03	699.15
HCW-18	731.12	3/22/2021	ND	31.93	0.00	699.19
HCW-18	731.12	4/1/2021	ND	32.01	0.00	699.11
HCW-18	731.12	4/12/2021	31.86	32.00	0.14	699.22
HCW-18	731.12	4/19/2021	ND	31.87	0.00	699.25
HCW-18	731.12	4/29/2021	Dry	Dry	Dry	Dry
HCW-18	731.12	5/3/2021	Dry	Dry	Dry	Dry
HCW-18	731.12	5/10/2021	Dry	Dry	Dry	Dry
HCW-18	731.12	5/18/2021	32.04	32.05	0.01	699.08
HCW-18	731.12	5/26/2021	31.97	31.98	0.01	699.15
HCW-18	731.12	5/31/2021	ND	32.02	0.00	699.10
HCW-18	731.12	6/7/2021	ND	32.04	0.00	699.08
HCW-18	731.12	6/14/2021	ND	32.06	0.00	699.06
HCW-18	731.12	6/21/2021	ND	32.03	0.00	699.09
HCW-18	731.12	7/1/2021	ND	32.03	0.00	699.09
HCW-18	731.12	7/6/2021	ND	32.04	0.00	699.08
HCW-18	731.12	7/14/2021	ND	31.96	0.00	699.16
HCW-18	731.12	7/28/2021	ND	32.01	0.00	699.11
HCW-18	731.12	8/2/2021	ND	32.04	0.00	699.08
HCW-18	731.12	8/16/2021	ND	31.93	0.00	699.19
HCW-18	731.12	8/26/2021	Dry	Dry	Dry	Dry
HCW-18	731.12	8/30/2021	ND	31.97	0.00	699.15
HCW-18	731.12	9/14/2021	ND	32.00	0.00	699.12
HCW-18	731.12	9/23/2021	ND	32.04	0.00	699.08
HCW-18	731.12	10/6/2021	ND	31.99	0.00	699.13
HCW-18	731.12	10/12/2021	ND	32.03	0.00	699.09
HCW-18	731.12	10/18/2021	ND	31.97	0.00	699.15
HCW-19	732.00	1/25/2021	ND	34.10	0.00	697.90
HCW-19	732.00	2/1/2021	ND	34.22	0.00	697.78
HCW-19	732.00	2/8/2021	34.60	34.61	0.01	697.40
HCW-19	732.00	2/16/2021	34.43	34.44	0.01	697.57
HCW-19	732.00	2/22/2021	34.11	34.12	0.01	697.89
HCW-19	732.00	3/4/2021	NM	NM	NM	NM
HCW-19	732.00	3/8/2021	31.08	31.11	0.03	700.91
HCW-19	732.00	3/15/2021	34.20	34.22	0.02	697.79
HCW-19	732.00	3/22/2021	34.35	34.36	0.01	697.65
HCW-19	732.00	4/1/2021	34.13	34.16	0.03	697.86
HCW-19	732.00	4/12/2021	34.71	34.72	0.01	697.29
HCW-19	732.00	4/19/2021	33.84	33.86	0.02	698.15

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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
HCW-19	732.00	4/29/2021	34.15	34.17	0.02	697.84
HCW-19	732.00	5/3/2021	34.27	34.29	0.02	697.72
HCW-19	732.00	5/18/2021	34.99	35.01	0.02	697.00
HCW-19	732.00	5/10/2021	34.59	34.60	0.01	697.41
HCW-19	732.00	5/26/2021	35.08	35.10	0.02	696.91
HCW-19	732.00	5/31/2021	35.35	35.37	0.02	696.64
HCW-19	732.00	6/7/2021	35.59	35.61	0.02	696.40
HCW-19	732.00	6/14/2021	35.68	35.70	0.02	696.31
HCW-19	732.00	6/21/2021	35.91	35.94	0.03	696.08
HCW-19	732.00	7/1/2021	36.04	36.11	0.07	695.94
HCW-19	732.00	7/6/2021	36.30	36.36	0.06	695.68
HCW-19	732.00	7/14/2021	36.43	36.50	0.07	695.55
HCW-19	732.00	7/28/2021	36.74	36.78	0.04	695.25
HCW-19	732.00	8/2/2021	37.02	37.08	0.06	694.96
HCW-19	732.00	8/16/2021	ND	37.18	0.00	694.82
HCW-19	732.00	8/26/2021	37.27	37.33	0.06	694.71
HCW-19	732.00	8/30/2021	37.45	37.51	0.06	694.53
HCW-19	732.00	9/14/2021	36.77	36.83	0.06	695.21
HCW-19	732.00	9/16/2021	36.72	36.77	0.05	695.26
HCW-19	732.00	9/23/2021	36.72	37.52	0.80	695.06
HCW-19	732.00	10/12/2021	ARP	ARP	ARP	ARP
HCW-20	731.69	1/25/2021	ND	34.34	0.00	697.35
HCW-20	731.69	2/1/2021	ND	34.33	0.00	697.36
HCW-20	731.69	2/8/2021	ND	34.82	0.00	696.87
HCW-20	731.69	2/16/2021	ND	34.59	0.00	697.10
HCW-20	731.69	2/22/2021	ND	34.44	0.00	697.25
HCW-20	731.69	3/4/2021	ND	34.09	0.00	697.60
HCW-20	731.69	3/8/2021	ND	34.37	0.00	697.32
HCW-20	731.69	3/15/2021	ND	34.35	0.00	697.34
HCW-20	731.69	3/22/2021	ND	34.46	0.00	697.23
HCW-20	731.69	4/1/2021	ND	34.37	0.00	697.32
HCW-20	731.69	4/12/2021	ND	33.98	0.00	697.71
HCW-20	731.69	4/19/2021	ND	34.09	0.00	697.60
HCW-20	731.69	4/29/2021	ND	34.26	0.00	697.43
HCW-20	731.69	5/3/2021	ND	34.30	0.00	697.39
HCW-20	731.69	5/10/2021	ND	34.61	0.00	697.08
HCW-20	731.69	5/18/2021	ND	34.97	0.00	696.72
HCW-20	731.69	5/26/2021	ND	35.02	0.00	696.67
HCW-20	731.69	5/31/2021	ND	35.33	0.00	696.36
HCW-20	731.69	6/7/2021	ND	35.54	0.00	696.15
HCW-20	731.69	6/14/2021	ND	35.68	0.00	696.01
HCW-20	731.69	6/21/2021	ND	35.87	0.00	695.82
HCW-20	731.69	7/1/2021	ND	35.93	0.00	695.76
HCW-20	731.69	7/6/2021	ND	36.32	0.00	695.37
HCW-20	731.69	7/14/2021	ND	36.36	0.00	695.33
HCW-20	731.69	7/28/2021	ND	36.62	0.00	695.07
HCW-20	731.69	8/2/2021	ND	36.97	0.00	694.72
HCW-20	731.69	8/16/2021	ND	37.13	0.00	694.56

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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
HCW-20	731.69	8/26/2021	ND	37.16	0.00	694.53
HCW-20	731.69	8/30/2021	ND	37.41	0.00	694.28
HCW-20	731.69	9/14/2021	ND	37.82	0.00	693.87
HCW-20	731.69	9/23/2021	ND	37.86	0.00	693.83
HCW-20	731.69	10/6/2021	ND	38.49	0.00	693.20
HCW-20	731.69	10/12/2021	ND	38.52	0.00	693.17
HCW-20	731.69	10/18/2021	ND	38.69	0.00	693.00
HCW-21	730.02	1/19/2021	34.72	35.26	0.54	695.15
HCW-21	730.02	2/1/2021	ND	33.80	0.00	696.22
HCW-21	730.02	2/22/2021	ARP	ARP	ARP	ARP
HCW-21	730.02	3/4/2021	33.42	40.02	6.60	694.83
HCW-21	730.02	3/8/2021	ARP	ARP	ARP	ARP
HCW-21	730.02	3/15/2021	ARP	ARP	ARP	ARP
HCW-21	730.02	3/22/2021	ARP	ARP	ARP	ARP
HCW-21	730.02	4/1/2021	ND	33.62	0.00	696.40
HCW-21	730.02	4/12/2021	ARP	ARP	ARP	ARP
HCW-21	730.02	4/19/2021	ARP	ARP	ARP	ARP
HCW-21	730.02	4/29/2021	33.35	38.40	5.05	695.32
HCW-21	730.02	5/3/2021	ARP	ARP	ARP	ARP
HCW-21	730.02	5/10/2021	ARP	ARP	ARP	ARP
HCW-21	730.02	5/26/2021	33.31	39.63	6.32	695.02
HCW-21	730.02	6/9/2021	33.46	39.52	6.06	694.93
HCW-21	730.02	7/1/2021	34.39	38.70	4.31	694.47
HCW-21	730.02	7/14/2021	34.59	38.84	4.25	694.29
HCW-21	730.02	7/28/2021	34.88	40.27	5.39	693.69
HCW-21	730.02	8/26/2021	35.40	41.02	5.62	693.11
HCW-21	730.02	9/16/2021	36.06	41.23	5.17	692.57
HCW-21	730.02	9/23/2021	36.22	41.00	4.78	692.52
HCW-21	730.02	10/12/2021	ARP	ARP	ARP	ARP
HCW-22	731.67	1/19/2021	ND	36.66	0.00	695.01
HCW-22	731.67	1/25/2021	ND	36.78	0.00	694.89
HCW-22	731.67	2/1/2021	ND	36.78	0.00	694.89
HCW-22	731.67	2/8/2021	ND	37.08	0.00	694.59
HCW-22	731.67	2/16/2021	ND	37.25	0.00	694.42
HCW-22	731.67	2/22/2021	ND	37.28	0.00	694.39
HCW-22	731.67	3/4/2021	ND	37.01	0.00	694.66
HCW-22	731.67	3/8/2021	ND	37.48	0.00	694.19
HCW-22	731.67	3/15/2021	ND	37.66	0.00	694.01
HCW-22	731.67	3/22/2021	ND	37.51	0.00	694.16
HCW-22	731.67	4/1/2021	ND	37.28	0.00	694.39
HCW-22	731.67	4/12/2021	ND	36.75	0.00	694.92
HCW-22	731.67	4/19/2021	ND	36.83	0.00	694.84
HCW-22	731.67	4/29/2021	ND	36.71	0.00	694.96
HCW-22	731.67	5/3/2021	ND	37.13	0.00	694.54
HCW-22	731.67	5/10/2021	ND	37.14	0.00	694.53
HCW-22	731.67	5/18/2021	ND	37.01	0.00	694.66
HCW-22	731.67	5/26/2021	ND	36.86	0.00	694.81
HCW-22	731.67	5/31/2021	ND	37.02	0.00	694.65

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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
HCW-22	731.67	6/7/2021	ND	36.98	0.00	694.69
HCW-22	731.67	6/14/2021	ND	37.03	0.00	694.64
HCW-22	731.67	6/21/2021	ND	37.02	0.00	694.65
HCW-22	731.67	7/1/2021	ND	37.38	0.00	694.29
HCW-22	731.67	7/6/2021	ND	37.71	0.00	693.96
HCW-22	731.67	7/14/2021	ND	37.62	0.00	694.05
HCW-22	731.67	7/28/2021	ND	38.12	0.00	693.55
HCW-22	731.67	8/2/2021	ND	38.78	0.00	692.89
HCW-22	731.67	8/16/2021	ND	38.93	0.00	692.74
HCW-22	731.67	8/26/2021	ND	38.67	0.00	693.00
HCW-22	731.67	8/30/2021	ND	39.39	0.00	692.28
HCW-22	731.67	9/14/2021	ND	39.67	0.00	692.00
HCW-22	731.67	9/23/2021	ND	39.28	0.00	692.39
HCW-22	731.67	10/6/2021	ND	40.15	0.00	691.52
HCW-22	731.67	10/12/2021	ND	40.23	0.00	691.44
HCW-22	731.67	10/18/2021	ND	40.39	0.00	691.28
HCW-23	740.60	2/8/2021	ND	50.86	0.00	689.74
HCW-23	740.60	2/16/2021	ND	50.62	0.00	689.98
HCW-23	740.60	2/22/2021	ND	50.66	0.00	689.94
HCW-23	740.60	3/4/2021	ND	50.63	0.00	689.97
HCW-23	740.60	3/8/2021	ND	50.70	0.00	689.90
HCW-23	740.60	3/15/2021	ND	50.72	0.00	689.88
HCW-23	740.60	3/22/2021	ND	50.66	0.00	689.94
HCW-23	740.60	4/1/2021	ND	50.65	0.00	689.95
HCW-23	740.60	4/12/2021	ND	50.71	0.00	689.89
HCW-23	740.60	4/19/2021	ND	50.75	0.00	689.85
HCW-23	740.60	4/29/2021	ND	50.57	0.00	690.03
HCW-23	740.60	5/3/2021	ND	50.62	0.00	689.98
HCW-23	740.60	5/10/2021	ND	50.76	0.00	689.84
HCW-23	740.60	5/18/2021	ND	50.67	0.00	689.93
HCW-23	740.60	5/26/2021	ND	50.51	0.00	690.09
HCW-23	740.60	5/31/2021	ND	50.59	0.00	690.01
HCW-23	740.60	6/7/2021	ND	50.65	0.00	689.95
HCW-23	740.60	6/14/2021	ND	49.02	0.00	691.58
HCW-23	740.60	6/21/2021	ND	49.14	0.00	691.46
HCW-23	740.60	7/1/2021	ND	50.65	0.00	689.95
HCW-23	740.60	7/6/2021	ND	50.79	0.00	689.81
HCW-23	740.60	7/14/2021	ND	50.84	0.00	689.76
HCW-23	740.60	7/28/2021	ND	51.00	0.00	689.60
HCW-23	740.60	8/2/2021	ND	51.30	0.00	689.30
HCW-23	740.60	8/16/2021	ND	51.40	0.00	689.20
HCW-23	740.60	8/26/2021	ND	51.53	0.00	689.07
HCW-23	740.60	8/30/2021	ND	51.87	0.00	688.73
HCW-23	740.60	9/14/2021	ND	52.18	0.00	688.42
HCW-23	740.60	9/23/2021	ND	52.21	0.00	688.39
HCW-23	740.60	10/6/2021	ND	52.71	0.00	687.89
HCW-23	740.60	10/12/2021	ND	52.74	0.00	687.86
HCW-23	740.60	10/18/2021	ND	52.90	0.00	687.70

Table 4
Summary of Recovery Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
HCW-24	741.73	2/8/2021	ND	49.37	0.00	692.36
HCW-24	741.73	2/16/2021	ND	49.15	0.00	692.58
HCW-24	741.73	2/22/2021	ND	49.13	0.00	692.60
HCW-24	741.73	3/4/2021	ND	49.15	0.00	692.58
HCW-24	741.73	3/8/2021	ND	49.21	0.00	692.52
HCW-24	741.73	3/15/2021	ND	49.23	0.00	692.50
HCW-24	741.73	3/22/2021	ND	49.16	0.00	692.57
HCW-24	741.73	4/1/2021	ND	49.18	0.00	692.55
HCW-24	741.73	4/12/2021	ND	49.18	0.00	692.55
HCW-24	741.73	4/19/2021	ND	49.21	0.00	692.52
HCW-24	741.73	4/29/2021	ND	49.11	0.00	692.62
HCW-24	741.73	5/3/2021	ND	49.09	0.00	692.64
HCW-24	741.73	5/10/2021	ND	49.15	0.00	692.58
HCW-24	741.73	5/18/2021	ND	49.14	0.00	692.59
HCW-24	741.73	5/26/2021	ND	49.61	0.00	692.12
HCW-24	741.73	5/31/2021	ND	49.06	0.00	692.67
HCW-24	741.73	6/7/2021	ND	49.07	0.00	692.66
HCW-24	741.73	6/14/2021	ND	49.02	0.00	692.71
HCW-24	741.73	6/21/2021	ND	50.68	0.00	691.05
HCW-24	741.73	7/1/2021	ND	50.93	0.00	690.80
HCW-24	741.73	7/6/2021	ND	49.28	0.00	692.45
HCW-24	741.73	7/14/2021	ND	49.33	0.00	692.40
HCW-24	741.73	7/28/2021	ND	49.49	0.00	692.24
HCW-24	741.73	8/2/2021	ND	49.75	0.00	691.98
HCW-24	741.73	8/16/2021	ND	49.84	0.00	691.89
HCW-24	741.73	8/26/2021	ND	50.02	0.00	691.71
HCW-24	741.73	8/30/2021	ND	50.29	0.00	691.44
HCW-24	741.73	9/14/2021	ND	50.61	0.00	691.12
HCW-24	741.73	9/23/2021	ND	50.70	0.00	691.03
HCW-24	741.73	10/6/2021	ND	51.13	0.00	690.60
HCW-24	741.73	10/12/2021	ND	51.26	0.00	690.47
HCW-24	741.73	10/18/2021	ND	51.34	0.00	690.39
HCW-25	729.91	2/16/2021	32.79	33.94	1.15	696.81
HCW-25	729.91	2/22/2021	32.13	35.65	3.52	696.84
HCW-25	729.91	3/4/2021	35.15	37.47	2.32	694.14
HCW-25	729.91	3/8/2021	31.69	37.51	5.82	696.66
HCW-25	729.91	3/15/2021	31.69	37.42	5.73	696.68
HCW-25	729.91	3/22/2021	31.65	37.25	5.60	696.76
HCW-25	729.91	4/1/2021	31.62	37.18	5.56	696.80
HCW-25	729.91	4/12/2021	31.58	37.02	5.44	696.87
HCW-25	729.91	4/19/2021	31.53	36.91	5.38	696.94
HCW-25	729.91	4/29/2021	31.67	36.19	4.52	697.03
HCW-25	729.91	5/3/2021	31.74	36.06	4.32	697.01
HCW-25	729.91	5/10/2021	ARP	ARP	ARP	ARP
HCW-25	729.91	5/26/2021	33.23	35.83	2.60	695.98
HCW-25	730.41	6/9/2021	33.66	35.95	2.29	696.14
HCW-25	730.41	7/1/2021	34.22	36.37	2.15	695.62
HCW-25	730.41	7/14/2021	34.54	36.60	2.06	695.32

Table 4
Summary of Recovery Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
HCW-25	730.41	7/28/2021	34.76	36.87	2.11	695.09
HCW-25	730.41	8/26/2021	35.48	37.08	1.60	694.51
HCW-25	730.41	9/16/2021	36.13	37.04	0.91	694.04
HCW-25	730.41	9/23/2021	36.29	37.11	0.82	693.90
HCW-25	730.41	10/12/2021	ARP	ARP	ARP	ARP
HCW-26	730.52	2/16/2021	ND	34.17	0.00	696.35
HCW-26	730.52	2/22/2021	ND	34.21	0.00	696.31
HCW-26	730.52	3/4/2021	ND	34.13	0.00	696.39
HCW-26	730.52	3/8/2021	ND	34.30	0.00	696.22
HCW-26	730.52	3/15/2021	ND	34.35	0.00	696.17
HCW-26	730.52	4/1/2021	ND	34.30	0.00	696.22
HCW-26	730.52	4/12/2021	ND	34.04	0.00	696.48
HCW-26	730.52	4/19/2021	ND	34.01	0.00	696.51
HCW-26	730.52	4/29/2021	ND	33.98	0.00	696.54
HCW-26	730.52	5/3/2021	ND	33.96	0.00	696.56
HCW-26	730.52	5/10/2021	ND	34.24	0.00	696.28
HCW-26	730.52	5/18/2021	ND	34.46	0.00	696.06
HCW-26	730.52	5/26/2021	ND	34.42	0.00	696.10
HCW-26	730.52	5/31/2021	ND	34.63	0.00	695.89
HCW-26	730.52	6/7/2021	ND	34.76	0.00	695.76
HCW-26	730.52	6/14/2021	ND	34.86	0.00	695.66
HCW-26	730.52	6/21/2021	ND	35.02	0.00	695.50
HCW-26	730.52	7/1/2021	ND	35.11	0.00	695.41
HCW-26	730.52	7/6/2021	ND	35.43	0.00	695.09
HCW-26	730.52	7/14/2021	ND	35.44	0.00	695.08
HCW-26	730.52	7/28/2021	ND	35.69	0.00	694.83
HCW-26	730.52	8/2/2021	ND	35.98	0.00	694.54
HCW-26	730.52	8/16/2021	ND	36.12	0.00	694.40
HCW-26	730.52	8/26/2021	ND	36.22	0.00	694.30
HCW-26	730.52	8/30/2021	ND	36.38	0.00	694.14
HCW-26	730.52	9/14/2021	ND	36.69	0.00	693.83
HCW-26	730.52	9/23/2021	ND	36.79	0.00	693.73
HCW-26	730.52	10/6/2021	ND	37.21	0.00	693.31
HCW-26	730.52	10/12/2021	ND	37.33	0.00	693.19
HCW-26	730.52	10/18/2021	ND	37.42	0.00	693.10
HCW-27	729.91	2/16/2021	ND	33.94	0.00	695.97
HCW-27	729.91	2/22/2021	ND	34.10	0.00	695.81
HCW-27	729.91	3/4/2021	ND	34.14	0.00	695.77
HCW-27	729.91	3/8/2021	ND	34.28	0.00	695.63
HCW-27	729.91	3/15/2021	ND	34.38	0.00	695.53
HCW-27	729.91	3/22/2021	ND	34.31	0.00	695.60
HCW-27	729.91	4/1/2021	ND	34.31	0.00	695.60
HCW-27	729.91	4/12/2021	ND	34.15	0.00	695.76
HCW-27	729.91	4/19/2021	ND	34.13	0.00	695.78
HCW-27	729.91	4/29/2021	ND	34.04	0.00	695.87
HCW-27	729.91	5/3/2021	ND	34.11	0.00	695.80
HCW-27	729.91	5/10/2021	ND	35.25	0.00	694.66
HCW-27	729.91	5/18/2021	ND	34.35	0.00	695.56

Table 4
Summary of Recovery Well Gauging Data

Colonial Pipeline Company
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Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
HCW-27	729.91	5/26/2021	ND	34.30	0.00	695.61
HCW-27	729.91	5/31/2021	ND	34.42	0.00	695.49
HCW-27	729.91	6/7/2021	ND	34.48	0.00	695.43
HCW-27	729.91	6/14/2021	ND	34.53	0.00	695.38
HCW-27	729.91	6/21/2021	ND	34.59	0.00	695.32
HCW-27	729.91	7/1/2021	ND	34.77	0.00	695.14
HCW-27	729.91	7/6/2021	ND	39.94	0.00	689.97
HCW-27	729.91	7/14/2021	ND	35.03	0.00	694.88
HCW-27	729.91	7/28/2021	ND	35.30	0.00	694.61
HCW-27	729.91	8/2/2021	ND	35.51	0.00	694.40
HCW-27	729.91	8/16/2021	ND	35.73	0.00	694.18
HCW-27	729.91	8/26/2021	ND	35.87	0.00	694.04
HCW-27	729.91	8/30/2021	ND	35.97	0.00	693.94
HCW-27	729.91	9/14/2021	ND	36.33	0.00	693.58
HCW-27	729.91	9/23/2021	ND	36.43	0.00	693.48
HCW-27	729.91	10/6/2021	ND	36.73	0.00	693.18
HCW-27	729.91	10/12/2021	ND	36.89	0.00	693.02
HCW-27	729.91	10/18/2021	DRY	DRY	DRY	DRY
NHCW-01	718.93	2/16/2021	ND	29.89	0.00	689.04
NHCW-01	718.93	2/22/2021	ND	29.80	0.00	689.13
NHCW-01	718.93	3/4/2021	ND	29.95	0.00	688.98
NHCW-01	718.93	3/8/2021	ND	29.73	0.00	689.20
NHCW-01	718.93	3/15/2021	ND	29.74	0.00	689.19
NHCW-01	718.93	3/22/2021	ND	29.66	0.00	689.27
NHCW-01	718.93	4/1/2021	ND	29.38	0.00	689.55
NHCW-01	718.93	4/12/2021	ND	29.36	0.00	689.57
NHCW-01	718.93	4/19/2021	ND	29.38	0.00	689.55
NHCW-01	718.93	4/29/2021	ND	29.14	0.00	689.79
NHCW-01	718.93	5/3/2021	ND	29.25	0.00	689.68
NHCW-01	718.93	5/10/2021	ND	29.95	0.00	688.98
NHCW-01	718.93	5/18/2021	ND	29.19	0.00	689.74
NHCW-01	718.93	5/26/2021	ND	29.11	0.00	689.82
NHCW-01	718.93	5/31/2021	ND	29.40	0.00	689.53
NHCW-01	718.93	6/7/2021	ND	29.45	0.00	689.48
NHCW-01	718.93	6/14/2021	ND	29.49	0.00	689.44
NHCW-01	718.93	6/21/2021	ND	29.74	0.00	689.19
NHCW-01	718.93	7/1/2021	ND	29.67	0.00	689.26
NHCW-01	718.93	7/6/2021	ND	30.12	0.00	688.81
NHCW-01	718.93	7/14/2021	ND	30.05	0.00	688.88
NHCW-01	718.93	7/28/2021	ND	30.51	0.00	688.42
NHCW-01	718.93	8/2/2021	ND	31.01	0.00	687.92
NHCW-01	718.93	8/16/2021	ND	31.30	0.00	687.63
NHCW-01	718.93	8/26/2021	ND	31.30	0.00	687.63
NHCW-01	718.93	8/30/2021	ND	31.60	0.00	687.33
NHCW-01	718.93	9/14/2021	ND	32.38	0.00	686.55
NHCW-01	718.93	9/23/2021	ND	32.22	0.00	686.71
NHCW-01	718.93	10/6/2021	ND	32.80	0.00	686.13
NHCW-01	718.93	10/12/2021	ND	32.90	0.00	686.03

Table 4
Summary of Recovery Well Gauging Data

Colonial Pipeline Company
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Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
NHCW-01	718.93	10/18/2021	ND	33.09	0.00	685.84
NHCW-02	719.11	2/16/2021	ND	30.05	0.00	689.06
NHCW-02	719.11	2/22/2021	ND	29.94	0.00	689.17
NHCW-02	719.11	3/4/2021	ND	29.78	0.00	689.33
NHCW-02	719.11	3/8/2021	ND	29.92	0.00	689.19
NHCW-02	719.11	3/15/2021	ND	29.88	0.00	689.23
NHCW-02	719.11	3/22/2021	ND	29.79	0.00	689.32
NHCW-02	719.11	4/1/2021	ND	29.54	0.00	689.57
NHCW-02	719.11	4/12/2021	ND	29.46	0.00	689.65
NHCW-02	719.11	4/19/2021	ND	29.48	0.00	689.63
NHCW-02	719.11	4/29/2021	ND	29.30	0.00	689.81
NHCW-02	719.11	5/3/2021	ND	29.34	0.00	689.77
NHCW-02	719.11	5/10/2021	ND	29.41	0.00	689.70
NHCW-02	719.11	5/18/2021	ND	29.35	0.00	689.76
NHCW-02	719.11	5/26/2021	ND	29.28	0.00	689.83
NHCW-02	719.11	5/31/2021	ND	29.55	0.00	689.56
NHCW-02	719.11	6/7/2021	ND	29.61	0.00	689.50
NHCW-02	719.11	6/14/2021	ND	29.68	0.00	689.43
NHCW-02	719.11	6/21/2021	ND	29.91	0.00	689.20
NHCW-02	719.11	7/1/2021	ND	29.89	0.00	689.22
NHCW-02	719.11	7/6/2021	ND	30.29	0.00	688.82
NHCW-02	719.11	7/14/2021	ND	30.27	0.00	688.84
NHCW-02	719.11	7/28/2021	ND	30.74	0.00	688.37
NHCW-02	719.11	8/2/2021	ND	31.20	0.00	687.91
NHCW-02	719.11	8/16/2021	ND	31.50	0.00	687.61
NHCW-02	719.11	8/26/2021	ND	31.56	0.00	687.55
NHCW-02	719.11	8/30/2021	ND	31.82	0.00	687.29
NHCW-02	719.11	9/14/2021	ND	32.52	0.00	686.59
NHCW-02	719.11	9/23/2021	ND	32.49	0.00	686.62
NHCW-02	719.11	10/6/2021	ND	33.04	0.00	686.07
NHCW-02	719.11	10/12/2021	ND	33.17	0.00	685.94
NHCW-02	719.11	10/18/2021	ND	33.35	0.00	685.76
NHCW-03	717.56	2/16/2021	ND	28.57	0.00	688.99
NHCW-03	717.56	2/22/2021	ND	28.47	0.00	689.09
NHCW-03	717.56	3/4/2021	ND	28.31	0.00	689.25
NHCW-03	717.56	3/8/2021	ND	28.41	0.00	689.15
NHCW-03	717.56	3/15/2021	ND	28.32	0.00	689.24
NHCW-03	717.56	3/22/2021	ND	28.25	0.00	689.31
NHCW-03	717.56	4/1/2021	ND	28.06	0.00	689.50
NHCW-03	717.56	4/12/2021	ND	27.87	0.00	689.69
NHCW-03	717.56	4/19/2021	ND	27.87	0.00	689.69
NHCW-03	717.56	4/29/2021	ND	27.80	0.00	689.76
NHCW-03	717.56	5/3/2021	ND	27.81	0.00	689.75
NHCW-03	717.56	5/10/2021	ND	28.91	0.00	688.65
NHCW-03	717.56	5/18/2021	ND	27.91	0.00	689.65
NHCW-03	717.56	5/26/2021	ND	27.89	0.00	689.67
NHCW-03	717.56	5/31/2021	ND	28.07	0.00	689.49
NHCW-03	717.56	6/7/2021	ND	28.17	0.00	689.39

Table 4
Summary of Recovery Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
NHCW-03	717.56	6/14/2021	ND	28.24	0.00	689.32
NHCW-03	717.56	6/21/2021	ND	28.45	0.00	689.11
NHCW-03	717.56	7/1/2021	ND	28.84	0.00	688.72
NHCW-03	717.56	7/6/2021	ND	28.81	0.00	688.75
NHCW-03	717.56	7/14/2021	ND	28.91	0.00	688.65
NHCW-03	717.56	7/28/2021	ND	29.40	0.00	688.16
NHCW-03	717.56	8/2/2021	ND	29.82	0.00	687.74
NHCW-03	717.56	8/16/2021	ND	30.14	0.00	687.42
NHCW-03	717.56	8/26/2021	ND	30.33	0.00	687.23
NHCW-03	717.56	8/30/2021	ND	30.51	0.00	687.05
NHCW-03	717.56	9/14/2021	ND	31.13	0.00	686.43
NHCW-03	717.56	9/23/2021	ND	31.31	0.00	686.25
NHCW-03	717.56	10/6/2021	ND	31.88	0.00	685.68
NHCW-03	717.56	10/12/2021	ND	32.02	0.00	685.54
NHCW-03	717.56	10/18/2021	ND	32.21	0.00	685.35
NHCW-04	716.18	2/16/2021	ND	22.23	0.00	693.95
NHCW-04	716.18	2/22/2021	ND	27.11	0.00	689.07
NHCW-04	716.18	3/4/2021	ND	26.95	0.00	689.23
NHCW-04	716.18	3/8/2021	ND	27.02	0.00	689.16
NHCW-04	716.18	3/15/2021	ND	26.95	0.00	689.23
NHCW-04	716.18	3/22/2021	ND	26.90	0.00	689.28
NHCW-04	716.18	4/1/2021	ND	26.70	0.00	689.48
NHCW-04	716.18	4/12/2021	ND	26.47	0.00	689.71
NHCW-04	716.18	4/19/2021	ND	26.48	0.00	689.70
NHCW-04	716.18	4/29/2021	ND	26.44	0.00	689.74
NHCW-04	716.18	5/3/2021	ND	26.40	0.00	689.78
NHCW-04	716.18	5/10/2021	ND	27.53	0.00	688.65
NHCW-04	716.18	5/18/2021	ND	26.57	0.00	689.61
NHCW-04	716.18	5/26/2021	ND	26.57	0.00	689.61
NHCW-04	716.18	5/31/2021	ND	26.76	0.00	689.42
NHCW-04	716.18	6/7/2021	ND	26.85	0.00	689.33
NHCW-04	716.18	6/14/2021	ND	26.92	0.00	689.26
NHCW-04	716.18	6/21/2021	ND	27.14	0.00	689.04
NHCW-04	716.18	7/1/2021	ND	27.25	0.00	688.93
NHCW-04	716.18	7/6/2021	ND	27.49	0.00	688.69
NHCW-04	716.18	7/14/2021	ND	27.60	0.00	688.58
NHCW-04	716.18	7/28/2021	ND	28.14	0.00	688.04
NHCW-04	716.18	8/2/2021	ND	28.56	0.00	687.62
NHCW-04	716.18	8/16/2021	ND	28.91	0.00	687.27
NHCW-04	716.18	8/26/2021	ND	28.10	0.00	688.08
NHCW-04	716.18	8/30/2021	ND	29.28	0.00	686.90
NHCW-04	716.18	9/14/2021	ND	29.91	0.00	686.27
NHCW-04	716.18	9/23/2021	ND	30.11	0.00	686.07
NHCW-04	716.18	10/6/2021	ND	30.73	0.00	685.45
NHCW-04	716.18	10/12/2021	ND	30.88	0.00	685.30
NHCW-04	716.18	10/18/2021	ND	31.10	0.00	685.08
NHCW-05	715.34	2/16/2021	ND	26.51	0.00	688.83
NHCW-05	715.34	2/22/2021	ND	26.37	0.00	688.97

Table 4
Summary of Recovery Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
NHCW-05	715.34	3/4/2021	ND	26.20	0.00	689.14
NHCW-05	715.34	3/8/2021	ND	26.28	0.00	689.06
NHCW-05	715.34	3/15/2021	ND	26.20	0.00	689.14
NHCW-05	715.34	3/22/2021	ND	26.14	0.00	689.20
NHCW-05	715.34	4/1/2021	ND	25.94	0.00	689.40
NHCW-05	715.34	4/12/2021	ND	25.68	0.00	689.66
NHCW-05	715.34	4/19/2021	ND	25.70	0.00	689.64
NHCW-05	715.34	4/29/2021	ND	25.69	0.00	689.65
NHCW-05	715.34	5/3/2021	ND	25.71	0.00	689.63
NHCW-05	715.34	5/10/2021	ND	25.80	0.00	689.54
NHCW-05	715.34	5/18/2021	ND	25.90	0.00	689.44
NHCW-05	715.34	5/26/2021	ND	25.90	0.00	689.44
NHCW-05	715.34	5/31/2021	ND	26.10	0.00	689.24
NHCW-05	715.34	6/7/2021	ND	26.21	0.00	689.13
NHCW-05	715.34	6/14/2021	ND	26.28	0.00	689.06
NHCW-05	715.34	6/21/2021	ND	26.52	0.00	688.82
NHCW-05	715.34	7/1/2021	ND	26.63	0.00	688.71
NHCW-05	715.34	7/6/2021	ND	26.88	0.00	688.46
NHCW-05	715.34	7/14/2021	ND	26.98	0.00	688.36
NHCW-05	715.34	7/28/2021	ND	27.50	0.00	687.84
NHCW-05	715.34	8/2/2021	ND	28.08	0.00	687.26
NHCW-05	715.34	8/16/2021	ND	28.40	0.00	686.94
NHCW-05	715.34	8/26/2021	ND	26.57	0.00	688.77
NHCW-05	715.34	8/30/2021	ND	28.83	0.00	686.51
NHCW-05	715.34	9/14/2021	29.05	30.45	1.40	685.92
NHCW-05	715.34	9/16/2021	28.91	30.58	1.67	685.99
NHCW-05	715.34	9/23/2021	28.94	32.83	3.89	685.36
NHCW-05	715.34	10/12/2021	ARP	ARP	ARP	ARP
NHCW-06	714.96	2/16/2021	ND	26.23	0.00	688.73
NHCW-06	714.96	2/22/2021	ND	26.07	0.00	688.89
NHCW-06	714.96	3/4/2021	ND	25.90	0.00	689.06
NHCW-06	714.96	3/8/2021	ND	26.96	0.00	688.00
NHCW-06	714.96	3/15/2021	ND	25.88	0.00	689.08
NHCW-06	714.96	3/22/2021	ND	25.82	0.00	689.14
NHCW-06	714.96	4/1/2021	ND	25.59	0.00	689.37
NHCW-06	714.96	4/12/2021	ND	25.32	0.00	689.64
NHCW-06	714.96	4/19/2021	ND	25.37	0.00	689.59
NHCW-06	714.96	4/29/2021	ND	25.36	0.00	689.60
NHCW-06	714.96	5/3/2021	ND	25.38	0.00	689.58
NHCW-06	714.96	5/10/2021	ND	25.50	0.00	689.46
NHCW-06	714.96	5/18/2021	ND	25.60	0.00	689.36
NHCW-06	714.96	5/26/2021	ND	25.62	0.00	689.34
NHCW-06	714.96	6/7/2021	ND	25.96	0.00	689.00
NHCW-06	714.96	6/14/2021	ND	26.03	0.00	688.93
NHCW-06	714.97	6/21/2021	ND	26.28	0.00	688.69
NHCW-06	714.97	7/1/2021	ND	26.38	0.00	688.59
NHCW-06	714.97	7/6/2021	ND	26.63	0.00	688.34
NHCW-06	714.97	7/14/2021	26.61	27.06	0.45	688.23

Table 4
Summary of Recovery Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
NHCW-06	714.97	7/28/2021	27.09	28.74	1.65	687.43
NHCW-06	714.97	8/26/2021	27.97	30.60	2.63	686.29
NHCW-06	714.97	9/16/2021	27.70	31.52	3.82	686.24
NHCW-06	714.97	9/23/2021	28.95	31.63	2.68	685.30
NHCW-06	714.97	10/12/2021	ARP	ARP	ARP	ARP
NHCW-07	714.08	2/16/2021	ND	25.48	0.00	688.60
NHCW-07	714.08	2/22/2021	ND	25.29	0.00	688.79
NHCW-07	714.08	3/4/2021	ND	25.11	0.00	688.97
NHCW-07	714.08	3/8/2021	ND	25.20	0.00	688.88
NHCW-07	714.08	3/15/2021	ND	25.12	0.00	688.96
NHCW-07	714.08	3/22/2021	ND	25.04	0.00	689.04
NHCW-07	714.08	4/1/2021	ND	24.80	0.00	689.28
NHCW-07	714.08	4/12/2021	ND	24.51	0.00	689.57
NHCW-07	714.08	4/19/2021	ND	24.58	0.00	689.50
NHCW-07	714.08	4/29/2021	ND	24.62	0.00	689.46
NHCW-07	714.08	5/3/2021	ND	24.57	0.00	689.51
NHCW-07	714.08	5/10/2021	ND	24.75	0.00	689.33
NHCW-07	714.08	5/18/2021	ND	24.88	0.00	689.20
NHCW-07	714.08	5/26/2021	ND	24.91	0.00	689.17
NHCW-07	714.08	5/31/2021	ND	25.13	0.00	688.95
NHCW-07	714.08	6/7/2021	ND	25.24	0.00	688.84
NHCW-07	714.08	6/14/2021	ND	25.33	0.00	688.75
NHCW-07	714.08	6/21/2021	ND	25.57	0.00	688.51
NHCW-07	714.08	7/1/2021	ND	25.71	0.00	688.37
NHCW-07	714.08	7/6/2021	ND	25.93	0.00	688.15
NHCW-07	714.08	7/14/2021	ND	26.04	0.00	688.04
NHCW-07	714.08	7/28/2021	ND	26.57	0.00	687.51
NHCW-07	714.08	8/2/2021	ND	27.08	0.00	687.00
NHCW-07	714.08	8/16/2021	ND	27.53	0.00	686.55
NHCW-07	714.08	8/26/2021	ND	27.75	0.00	686.33
NHCW-07	714.08	8/30/2021	ND	28.04	0.00	686.04
NHCW-07	714.08	9/14/2021	ND	28.69	0.00	685.39
NHCW-07	714.08	9/23/2021	ND	28.84	0.00	685.24
NHCW-07	714.08	10/6/2021	ND	29.63	0.00	684.45
NHCW-07	714.08	10/12/2021	ND	29.79	0.00	684.29
NHCW-07	714.08	10/18/2021	ND	30.03	0.00	684.05
NHCW-08	712.84	2/16/2021	ND	24.34	0.00	688.50
NHCW-08	712.84	2/22/2021	ND	24.17	0.00	688.67
NHCW-08	712.84	3/4/2021	ND	23.98	0.00	688.86
NHCW-08	712.84	3/8/2021	ND	24.03	0.00	688.81
NHCW-08	712.84	3/15/2021	ND	23.96	0.00	688.88
NHCW-08	712.84	3/22/2021	ND	23.87	0.00	688.97
NHCW-08	712.84	4/1/2021	ND	23.62	0.00	689.22
NHCW-08	712.84	4/12/2021	ND	23.34	0.00	689.50
NHCW-08	712.84	4/19/2021	ND	23.40	0.00	689.44
NHCW-08	712.84	4/29/2021	ND	23.42	0.00	689.42
NHCW-08	712.84	5/3/2021	ND	23.43	0.00	689.41
NHCW-08	712.84	5/10/2021	ND	23.59	0.00	689.25

Table 4
Summary of Recovery Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
NHCW-08	712.84	5/18/2021	ND	23.75	0.00	689.09
NHCW-08	712.84	5/26/2021	ND	23.78	0.00	689.06
NHCW-08	712.84	5/31/2021	ND	24.02	0.00	688.82
NHCW-08	712.84	6/7/2021	ND	24.13	0.00	688.71
NHCW-08	712.84	6/14/2021	ND	24.23	0.00	688.61
NHCW-08	712.84	6/21/2021	ND	24.47	0.00	688.37
NHCW-08	712.84	7/1/2021	ND	24.60	0.00	688.24
NHCW-08	712.84	7/6/2021	ND	24.64	0.00	688.20
NHCW-08	712.84	7/14/2021	ND	24.94	0.00	687.90
NHCW-08	712.84	7/28/2021	ND	25.46	0.00	687.38
NHCW-08	712.84	8/2/2021	ND	25.99	0.00	686.85
NHCW-08	712.84	8/16/2021	ND	26.38	0.00	686.46
NHCW-08	712.84	8/26/2021	ND	26.66	0.00	686.18
NHCW-08	712.84	8/30/2021	ND	26.94	0.00	685.90
NHCW-08	712.84	9/14/2021	ND	27.56	0.00	685.28
NHCW-08	712.84	9/23/2021	ND	27.78	0.00	685.06
NHCW-08	712.84	10/6/2021	ND	28.49	0.00	684.35
NHCW-08	712.84	10/12/2021	ND	28.70	0.00	684.14
NHCW-08	712.84	10/18/2021	ND	28.96	0.00	683.88
NHCW-09	711.21	2/16/2021	ND	23.89	0.00	687.32
NHCW-09	711.21	2/22/2021	ND	23.61	0.00	687.60
NHCW-09	711.21	3/4/2021	ND	23.37	0.00	687.84
NHCW-09	711.21	3/8/2021	ND	23.47	0.00	687.74
NHCW-09	711.21	3/15/2021	ND	23.40	0.00	687.81
NHCW-09	711.21	3/22/2021	ND	23.19	0.00	688.02
NHCW-09	711.21	4/1/2021	ND	22.79	0.00	688.42
NHCW-09	711.21	4/12/2021	ND	22.54	0.00	688.67
NHCW-09	711.21	4/19/2021	ND	22.71	0.00	688.50
NHCW-09	711.21	4/29/2021	ND	22.94	0.00	688.27
NHCW-09	711.21	5/3/2021	ND	23.02	0.00	688.19
NHCW-09	711.21	5/10/2021	ND	23.22	0.00	687.99
NHCW-09	711.21	5/18/2021	ND	23.47	0.00	687.74
NHCW-09	711.21	5/26/2021	ND	23.57	0.00	687.64
NHCW-09	711.21	5/31/2021	ND	23.85	0.00	687.36
NHCW-09	711.21	6/7/2021	ND	24.05	0.00	687.16
NHCW-09	711.21	6/14/2021	ND	24.19	0.00	687.02
NHCW-09	711.21	6/21/2021	ND	24.49	0.00	686.72
NHCW-09	711.21	7/1/2021	ND	24.68	0.00	686.53
NHCW-09	711.21	7/6/2021	ND	24.90	0.00	686.31
NHCW-09	711.21	7/14/2021	ND	25.05	0.00	686.16
NHCW-09	711.21	7/28/2021	ND	25.52	0.00	685.69
NHCW-09	711.21	8/2/2021	ND	25.92	0.00	685.29
NHCW-09	711.21	8/16/2021	ND	26.36	0.00	684.85
NHCW-09	711.21	8/26/2021	ND	27.72	0.00	683.49
NHCW-09	711.21	8/30/2021	ND	26.93	0.00	684.28
NHCW-09	711.21	9/14/2021	ND	27.60	0.00	683.61
NHCW-09	711.21	9/23/2021	ND	27.91	0.00	683.30
NHCW-09	711.21	10/6/2021	ND	28.55	0.00	682.66

Table 4
Summary of Recovery Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
NHCW-09	711.21	10/12/2021	ND	28.76	0.00	682.45
NHCW-09	711.21	10/18/2021	ND	29.02	0.00	682.19
NHCW-10	713.05	2/16/2021	ND	26.85	0.00	686.20
NHCW-10	713.05	2/22/2021	ND	23.68	0.00	689.37
NHCW-10	713.05	3/4/2021	ND	26.00	0.00	687.05
NHCW-10	713.05	3/8/2021	ND	26.11	0.00	686.94
NHCW-10	713.05	3/15/2021	ND	26.17	0.00	686.88
NHCW-10	713.05	3/22/2021	ND	25.81	0.00	687.24
NHCW-10	713.05	4/1/2021	ND	25.10	0.00	687.95
NHCW-10	713.05	4/12/2021	ND	25.08	0.00	687.97
NHCW-10	713.05	4/19/2021	ND	25.44	0.00	687.61
NHCW-10	713.05	4/29/2021	ND	25.98	0.00	687.07
NHCW-10	713.05	5/3/2021	ND	26.14	0.00	686.91
NHCW-10	713.05	5/10/2021	ND	26.52	0.00	686.53
NHCW-10	713.05	5/18/2021	ND	26.65	0.00	686.40
NHCW-10	713.05	5/26/2021	ND	26.87	0.00	686.18
NHCW-10	713.05	5/31/2021	ND	27.20	0.00	685.85
NHCW-10	713.05	6/7/2021	ND	27.50	0.00	685.55
NHCW-10	713.05	6/14/2021	ND	27.75	0.00	685.30
NHCW-10	713.05	6/21/2021	ND	28.12	0.00	684.93
NHCW-10	713.05	7/1/2021	ND	28.29	0.00	684.76
NHCW-10	713.05	7/6/2021	ND	28.53	0.00	684.52
NHCW-10	713.05	7/14/2021	ND	28.67	0.00	684.38
NHCW-10	713.05	7/28/2021	ND	29.13	0.00	683.92
NHCW-10	713.05	8/2/2021	ND	29.46	0.00	683.59
NHCW-10	713.05	8/16/2021	ND	30.01	0.00	683.04
NHCW-10	713.05	8/26/2021	ND	30.39	0.00	682.66
NHCW-10	713.05	8/30/2021	ND	30.65	0.00	682.40
NHCW-10	713.05	9/14/2021	ND	31.42	0.00	681.63
NHCW-10	713.05	9/23/2021	ND	31.80	0.00	681.25
NHCW-10	713.05	10/6/2021	ND	32.49	0.00	680.56
NHCW-10	713.05	10/12/2021	ND	32.77	0.00	680.28
NHCW-10	713.05	10/18/2021	ND	33.07	0.00	679.98
NHCW-11	709.11	2/16/2021	ND	23.12	0.00	685.99
NHCW-11	709.11	2/22/2021	ND	22.52	0.00	686.59
NHCW-11	709.11	3/4/2021	ND	23.73	0.00	685.38
NHCW-11	709.11	3/8/2021	ND	23.88	0.00	685.23
NHCW-11	709.11	3/15/2021	ND	23.95	0.00	685.16
NHCW-11	709.11	3/22/2021	ND	23.46	0.00	685.65
NHCW-11	709.11	4/1/2021	ND	22.66	0.00	686.45
NHCW-11	709.11	4/12/2021	ND	22.81	0.00	686.30
NHCW-11	709.11	4/19/2021	23.02	23.03	0.01	686.08
NHCW-11	709.11	4/29/2021	23.83	23.88	0.05	685.26
NHCW-11	709.11	5/3/2021	24.08	24.13	0.05	685.01
NHCW-11	709.11	5/10/2021	ND	24.53	0.00	684.58
NHCW-11	709.11	5/18/2021	24.88	25.01	0.13	684.19
NHCW-11	709.11	5/26/2021	25.03	25.18	0.15	684.04
NHCW-11	709.11	5/31/2021	25.42	25.59	0.17	683.64

Table 4
Summary of Recovery Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
NHCW-11	709.11	6/7/2021	25.72	25.85	0.13	683.35
NHCW-11	709.11	7/1/2021	ND	26.00	0.00	683.11
NHCW-11	709.11	7/14/2021	ND	26.32	0.00	682.79
NHCW-11	709.11	7/28/2021	ND	26.72	0.00	682.39
NHCW-11	709.11	8/26/2021	ND	28.08	0.00	681.03
NHCW-11	709.11	9/16/2021	ND	29.16	0.00	679.95
NHCW-11	709.11	9/23/2021	ND	29.45	0.00	679.66
NHCW-11	709.11	10/12/2021	ARP	ARP	ARP	ARP
NHCW-12	707.70	2/22/2021	ND	19.77	0.00	687.93
NHCW-12	707.70	3/4/2021	ND	20.92	0.00	686.78
NHCW-12	707.70	3/8/2021	21.16	21.17	0.01	686.53
NHCW-12	707.70	3/11/2021	21.17	21.34	0.17	686.48
NHCW-12	707.70	3/15/2021	21.24	21.58	0.34	686.36
NHCW-12	707.70	3/22/2021	20.52	20.87	0.35	687.08
NHCW-12	707.70	4/1/2021	19.61	20.09	0.48	687.96
NHCW-12	707.70	4/12/2021	20.04	20.87	0.83	687.43
NHCW-12	707.70	4/19/2021	20.35	21.44	1.09	687.05
NHCW-12	707.70	4/29/2021	20.28	21.82	1.54	687.00
NHCW-12	707.70	5/3/2021	ARP	ARP	ARP	ARP
NHCW-12	707.70	5/10/2021	ARP	ARP	ARP	ARP
NHCW-12	707.70	5/26/2021	21.48	23.32	1.84	685.72
NHCW-12	707.09	6/9/2021	22.10	24.05	1.95	684.47
NHCW-12	707.09	7/1/2021	22.97	24.63	1.66	683.68
NHCW-12	706.69	7/14/2021	23.35	25.22	1.87	682.84
NHCW-12	706.69	7/28/2021	23.77	25.64	1.87	682.42
NHCW-12	706.42	8/26/2021	25.44	25.51	0.07	680.96
NHCW-12	706.42	9/16/2021	26.64	27.33	0.69	679.60
NHCW-12	706.42	9/23/2021	27.03	27.59	0.56	679.24
NHCW-12	706.42	10/12/2021	ARP	ARP	ARP	ARP
NHCW-13	704.81	2/22/2021	ND	17.98	0.00	686.83
NHCW-13	704.81	3/4/2021	17.85	18.89	1.04	686.68
NHCW-13	704.81	3/8/2021	NM	NM	NM	NM
NHCW-13	704.81	3/11/2021	18.06	19.75	1.69	686.30
NHCW-13	704.81	3/15/2021	18.12	20.18	2.06	686.14
NHCW-13	704.81	3/22/2021	16.94	20.87	3.93	686.82
NHCW-13	704.81	4/1/2021	15.71	20.22	4.51	687.90
NHCW-13	704.81	4/12/2021	ARP	ARP	ARP	ARP
NHCW-13	704.81	4/12/2021	ARP	ARP	ARP	ARP
NHCW-13	704.81	4/29/2021	18.65	19.54	0.89	685.92
NHCW-13	704.81	5/3/2021	ARP	ARP	ARP	ARP
NHCW-13	704.81	5/10/2021	ARP	ARP	ARP	ARP
NHCW-13	704.81	5/26/2021	19.71	21.47	1.76	684.63
NHCW-13	704.81	6/9/2021	20.24	22.39	2.15	684.00
NHCW-13	704.81	7/1/2021	21.25	22.67	1.42	683.18
NHCW-13	704.81	7/14/2021	21.67	23.18	1.51	682.74
NHCW-13	704.81	7/28/2021	22.10	23.41	1.31	682.36
NHCW-13	704.81	8/26/2021	23.66	24.67	1.01	680.88
NHCW-13	704.81	9/16/2021	24.83	25.64	0.81	679.77

Table 4
Summary of Recovery Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
NHCW-13	704.81	9/23/2021	25.15	25.95	0.80	679.45
NHCW-13	704.81	10/12/2021	ARP	ARP	ARP	ARP
NHCW-14	703.34	2/22/2021	ND	15.45	0.00	687.89
NHCW-14	703.34	3/4/2021	ND	16.78	0.00	686.56
NHCW-14	703.34	3/8/2021	ND	17.32	0.00	686.02
NHCW-14	703.34	3/15/2021	ND	17.44	0.00	685.90
NHCW-14	703.34	3/22/2021	ND	16.38	0.00	686.96
NHCW-14	703.34	4/1/2021	ND	15.49	0.00	687.85
NHCW-14	703.34	4/12/2021	16.46	16.47	0.01	686.88
NHCW-14	703.34	4/19/2021	16.94	16.98	0.04	686.39
NHCW-14	703.34	4/29/2021	17.58	17.61	0.03	685.76
NHCW-14	703.34	5/3/2021	17.85	17.88	0.03	685.49
NHCW-14	703.34	5/10/2021	18.35	18.41	0.06	684.98
NHCW-14	703.34	5/18/2021	18.80	18.85	0.05	684.53
NHCW-14	703.34	5/26/2021	18.84	18.93	0.09	684.48
NHCW-14	703.34	5/31/2021	19.34	19.44	0.10	683.98
NHCW-14	703.34	6/7/2021	19.59	19.61	0.02	683.75
NHCW-14	703.34	6/14/2021	19.73	19.91	0.18	683.57
NHCW-14	703.34	6/21/2021	20.04	20.22	0.18	683.26
NHCW-14	703.34	7/1/2021	20.24	20.44	0.20	683.05
NHCW-14	703.34	7/6/2021	20.51	20.80	0.29	682.76
NHCW-14	703.34	7/14/2021	20.38	20.49	0.11	682.93
NHCW-14	703.34	7/28/2021	20.72	20.84	0.12	682.59
NHCW-14	703.34	8/26/2021	22.18	22.40	0.22	681.10
NHCW-14	703.34	9/16/2021	23.29	23.48	0.19	680.00
NHCW-14	703.34	9/23/2021	23.68	23.82	0.14	679.63
NHCW-14	703.34	10/12/2021	ARP	ARP	ARP	ARP
NHCW-15	702.64	2/22/2021	ND	16.26	0.00	686.38
NHCW-15	702.64	3/4/2021	ND	17.06	0.00	685.58
NHCW-15	702.64	3/8/2021	ND	17.54	0.00	685.10
NHCW-15	702.64	3/11/2021	ND	17.57	0.00	685.07
NHCW-15	702.64	3/15/2021	ND	17.74	0.00	684.90
NHCW-15	702.64	3/22/2021	ND	16.89	0.00	685.75
NHCW-15	702.64	4/1/2021	ND	16.11	0.00	686.53
NHCW-15	702.64	4/12/2021	ND	16.87	0.00	685.77
NHCW-15	702.64	4/19/2021	ND	17.34	0.00	685.30
NHCW-15	702.64	4/29/2021	ND	17.94	0.00	684.70
NHCW-15	702.64	5/3/2021	ND	18.10	0.00	684.54
NHCW-15	702.64	5/10/2021	ND	18.54	0.00	684.10
NHCW-15	702.64	5/18/2021	ND	19.01	0.00	683.63
NHCW-15	702.64	5/26/2021	ND	19.15	0.00	683.49
NHCW-15	702.64	5/31/2021	ND	19.60	0.00	683.04
NHCW-15	702.64	6/7/2021	ND	19.89	0.00	682.75
NHCW-15	702.64	6/14/2021	ND	20.03	0.00	682.61
NHCW-15	702.64	6/21/2021	ND	20.36	0.00	682.28
NHCW-15	702.64	7/1/2021	ND	20.55	0.00	682.09
NHCW-15	702.64	7/6/2021	ND	20.81	0.00	681.83
NHCW-15	702.64	7/14/2021	ND	20.98	0.00	681.66

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Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
NHCW-15	702.64	7/28/2021	ND	21.32	0.00	681.32
NHCW-15	702.64	8/2/2021	ND	21.85	0.00	680.79
NHCW-15	702.64	8/16/2021	ND	22.39	0.00	680.25
NHCW-15	702.64	8/26/2021	ND	22.78	0.00	679.86
NHCW-15	702.64	8/30/2021	ND	23.24	0.00	679.40
NHCW-15	702.64	9/14/2021	ND	24.11	0.00	678.53
NHCW-15	702.64	9/16/2021	ND	23.94	0.00	678.70
NHCW-15	702.64	9/23/2021	ND	24.88	0.00	677.76
NHCW-15	702.64	10/6/2021	ND	25.28	0.00	677.36
NHCW-15	702.64	10/12/2021	ND	25.51	0.00	677.13
NHCW-15	702.64	10/18/2021	ND	25.79	0.00	676.85
NHCW-16	704.99	2/22/2021	ND	20.32	0.00	684.67
NHCW-16	704.99	3/4/2021	ND	21.05	0.00	683.94
NHCW-16	704.99	3/8/2021	ND	21.35	0.00	683.64
NHCW-16	704.99	3/15/2021	ND	21.32	0.00	683.67
NHCW-16	704.99	3/22/2021	ND	21.43	0.00	683.56
NHCW-16	704.99	4/1/2021	ND	20.90	0.00	684.09
NHCW-16	704.99	4/12/2021	ND	21.15	0.00	683.84
NHCW-16	704.99	4/19/2021	ND	21.53	0.00	683.46
NHCW-16	704.99	4/29/2021	ND	21.83	0.00	683.16
NHCW-16	704.99	5/3/2021	ND	21.82	0.00	683.17
NHCW-16	704.99	5/10/2021	ND	22.17	0.00	682.82
NHCW-16	704.99	5/18/2021	ND	22.48	0.00	682.51
NHCW-16	704.99	5/26/2021	ND	22.56	0.00	682.43
NHCW-16	704.99	5/31/2021	ND	22.92	0.00	682.07
NHCW-16	704.99	6/7/2021	ND	23.23	0.00	681.76
NHCW-16	704.99	6/14/2021	ND	23.31	0.00	681.68
NHCW-16	704.99	6/21/2021	ND	23.57	0.00	681.42
NHCW-16	704.99	7/1/2021	ND	23.68	0.00	681.31
NHCW-16	704.99	7/6/2021	ND	23.89	0.00	681.10
NHCW-16	704.99	7/14/2021	23.95	23.98	0.03	681.03
NHCW-16	704.99	7/28/2021	24.44	24.46	0.02	680.54
NHCW-16	704.99	8/2/2021	24.95	24.96	0.01	680.04
NHCW-16	704.99	8/26/2021	ND	24.83	0.00	680.16
NHCW-16	704.99	9/16/2021	27.01	27.03	0.02	677.97
NHCW-16	704.99	9/23/2021	27.38	27.53	0.15	677.57
NHCW-16	704.99	10/12/2021	ARP	ARP	ARP	ARP
NHCW-17	705.83	2/22/2021	ND	22.42	0.00	683.41
NHCW-17	705.83	3/4/2021	ND	22.12	0.00	683.71
NHCW-17	705.83	3/8/2021	ND	NM	NM	NM
NHCW-17	705.83	3/15/2021	ND	22.27	0.00	683.56
NHCW-17	705.83	3/22/2021	ND	22.36	0.00	683.47
NHCW-17	705.83	4/1/2021	ND	21.94	0.00	683.89
NHCW-17	705.83	4/12/2021	ND	22.04	0.00	683.79
NHCW-17	705.83	4/19/2021	ND	23.44	0.00	682.39
NHCW-17	705.83	4/29/2021	ND	22.84	0.00	682.99
NHCW-17	705.83	5/3/2021	ND	22.82	0.00	683.01
NHCW-17	705.83	5/10/2021	ND	23.19	0.00	682.64

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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
NHCW-17	705.83	5/18/2021	ND	23.20	0.00	682.63
NHCW-17	705.83	5/26/2021	ND	23.39	0.00	682.44
NHCW-17	705.83	5/31/2021	ND	23.71	0.00	682.12
NHCW-17	705.83	6/7/2021	ND	24.01	0.00	681.82
NHCW-17	705.83	6/14/2021	ND	24.10	0.00	681.73
NHCW-17	705.83	6/21/2021	ND	24.38	0.00	681.45
NHCW-17	705.83	7/1/2021	ND	24.55	0.00	681.28
NHCW-17	705.83	7/6/2021	ND	24.72	0.00	681.11
NHCW-17	705.83	7/14/2021	ND	24.81	0.00	681.02
NHCW-17	705.83	7/28/2021	ND	25.32	0.00	680.51
NHCW-17	705.83	8/2/2021	ND	25.66	0.00	680.17
NHCW-17	705.83	8/16/2021	ND	26.30	0.00	679.53
NHCW-17	705.83	8/26/2021	ND	26.85	0.00	678.98
NHCW-17	705.83	8/30/2021	ND	27.23	0.00	678.60
NHCW-17	705.83	9/14/2021	ND	28.15	0.00	677.68
NHCW-17	705.83	9/23/2021	ND	28.48	0.00	677.35
NHCW-17	705.83	10/6/2021	ND	29.48	0.00	676.35
NHCW-17	705.83	10/12/2021	ND	29.79	0.00	676.04
NHCW-17	705.83	10/18/2021	ND	30.04	0.00	675.79
NHCW-18	709.11	2/22/2021	ND	25.78	0.00	683.33
NHCW-18	709.11	3/4/2021	ND	25.54	0.00	683.57
NHCW-18	709.11	3/8/2021	ND	26.37	0.00	682.74
NHCW-18	709.11	3/15/2021	ND	25.66	0.00	683.45
NHCW-18	709.11	3/22/2021	ND	25.71	0.00	683.40
NHCW-18	709.11	4/1/2021	ND	25.29	0.00	683.82
NHCW-18	709.11	4/12/2021	ND	25.42	0.00	683.69
NHCW-18	709.11	4/19/2021	ND	26.85	0.00	682.26
NHCW-18	709.11	4/29/2021	ND	26.21	0.00	682.90
NHCW-18	709.11	5/3/2021	ND	26.22	0.00	682.89
NHCW-18	709.11	5/10/2021	ND	26.56	0.00	682.55
NHCW-18	709.11	5/18/2021	ND	26.77	0.00	682.34
NHCW-18	709.11	5/26/2021	ND	23.89	0.00	685.22
NHCW-18	709.11	5/31/2021	ND	27.25	0.00	681.86
NHCW-18	709.11	6/7/2021	ND	27.58	0.00	681.53
NHCW-18	709.11	6/14/2021	ND	27.68	0.00	681.43
NHCW-18	709.11	6/21/2021	ND	27.95	0.00	681.16
NHCW-18	709.11	7/1/2021	ND	28.10	0.00	681.01
NHCW-18	709.11	7/6/2021	ND	28.27	0.00	680.84
NHCW-18	709.11	7/14/2021	ND	28.42	0.00	680.69
NHCW-18	709.11	7/28/2021	ND	28.84	0.00	680.27
NHCW-18	709.11	8/2/2021	ND	29.21	0.00	679.90
NHCW-18	709.11	8/16/2021	ND	29.83	0.00	679.28
NHCW-18	709.11	8/26/2021	ND	30.38	0.00	678.73
NHCW-18	709.11	8/30/2021	ND	29.72	0.00	679.39
NHCW-18	709.11	9/14/2021	ND	31.61	0.00	677.50
NHCW-18	709.11	9/23/2021	ND	31.97	0.00	677.14
NHCW-18	709.11	10/6/2021	ND	32.97	0.00	676.14
NHCW-18	709.11	10/12/2021	ND	33.27	0.00	675.84

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Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
NHCW-18	709.11	10/18/2021	ND	33.53	0.00	675.58
NHCW-19	706.80	2/16/2021	ND	24.04	0.00	682.76
NHCW-19	706.80	2/22/2021	ND	23.48	0.00	683.32
NHCW-19	706.80	3/4/2021	ND	23.35	0.00	683.45
NHCW-19	706.80	3/8/2021	ND	23.65	0.00	683.15
NHCW-19	706.80	3/15/2021	ND	23.72	0.00	683.08
NHCW-19	706.80	3/22/2021	ND	23.59	0.00	683.21
NHCW-19	706.80	4/1/2021	ND	23.01	0.00	683.79
NHCW-19	706.80	4/12/2021	ND	23.48	0.00	683.32
NHCW-19	706.80	4/19/2021	ND	23.91	0.00	682.89
NHCW-19	706.80	4/29/2021	ND	24.18	0.00	682.62
NHCW-19	706.80	5/3/2021	ND	24.23	0.00	682.57
NHCW-19	706.80	5/10/2021	ND	24.50	0.00	682.30
NHCW-19	706.80	5/18/2021	ND	24.68	0.00	682.12
NHCW-19	706.80	5/26/2021	ND	24.88	0.00	681.92
NHCW-19	706.80	5/31/2021	ND	25.10	0.00	681.70
NHCW-19	706.80	6/7/2021	ND	25.44	0.00	681.36
NHCW-19	706.80	6/14/2021	ND	25.49	0.00	681.31
NHCW-19	706.80	6/21/2021	ND	25.74	0.00	681.06
NHCW-19	706.80	7/1/2021	ND	26.85	0.00	679.95
NHCW-19	706.80	7/6/2021	ND	26.07	0.00	680.73
NHCW-19	706.80	7/14/2021	ND	26.16	0.00	680.64
NHCW-19	706.80	7/28/2021	ND	26.57	0.00	680.23
NHCW-19	706.80	8/2/2021	ND	26.98	0.00	679.82
NHCW-19	706.80	8/16/2021	ND	27.58	0.00	679.22
NHCW-19	706.80	8/26/2021	ND	28.06	0.00	678.74
NHCW-19	706.80	8/30/2021	ND	28.44	0.00	678.36
NHCW-19	706.80	9/14/2021	ND	29.30	0.00	677.50
NHCW-19	706.80	9/23/2021	ND	29.60	0.00	677.20
NHCW-19	706.80	10/6/2021	ND	30.65	0.00	676.15
NHCW-19	706.80	10/12/2021	ND	30.93	0.00	675.87
NHCW-19	706.80	10/18/2021	ND	31.22	0.00	675.58
NHCW-20	709.03	2/16/2021	ND	26.37	0.00	682.66
NHCW-20	709.03	2/22/2021	ND	25.86	0.00	683.17
NHCW-20	709.03	3/4/2021	ND	25.76	0.00	683.27
NHCW-20	709.03	3/8/2021	ND	25.92	0.00	683.11
NHCW-20	709.03	3/15/2021	ND	25.99	0.00	683.04
NHCW-20	709.03	3/22/2021	ND	25.94	0.00	683.09
NHCW-20	709.03	4/1/2021	ND	25.46	0.00	683.57
NHCW-20	709.03	4/12/2021	ND	35.80	0.00	673.23
NHCW-20	709.03	4/19/2021	ND	26.17	0.00	682.86
NHCW-20	709.03	4/29/2021	ND	26.44	0.00	682.59
NHCW-20	709.03	5/3/2021	ND	26.50	0.00	682.53
NHCW-20	709.03	5/10/2021	ND	26.72	0.00	682.31
NHCW-20	709.03	5/18/2021	ND	26.83	0.00	682.20
NHCW-20	709.03	5/26/2021	ND	26.99	0.00	682.04
NHCW-20	709.03	5/31/2021	ND	27.22	0.00	681.81
NHCW-20	709.03	6/7/2021	ND	27.51	0.00	681.52

Table 4
Summary of Recovery Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
NHCW-20	709.03	6/14/2021	ND	27.60	0.00	681.43
NHCW-20	709.03	6/21/2021	ND	27.83	0.00	681.20
NHCW-20	709.03	7/1/2021	ND	27.98	0.00	681.05
NHCW-20	709.03	7/6/2021	ND	28.14	0.00	680.89
NHCW-20	709.03	7/14/2021	ND	28.25	0.00	680.78
NHCW-20	709.03	7/28/2021	ND	28.65	0.00	680.38
NHCW-20	709.03	8/2/2021	ND	29.09	0.00	679.94
NHCW-20	709.03	8/16/2021	ND	29.62	0.00	679.41
NHCW-20	709.03	8/26/2021	ND	30.15	0.00	678.88
NHCW-20	709.03	8/30/2021	ND	36.52	0.00	672.51
NHCW-20	709.03	9/14/2021	ND	31.33	0.00	677.70
NHCW-20	709.03	9/23/2021	ND	31.68	0.00	677.35
NHCW-20	709.03	10/6/2021	ND	32.72	0.00	676.31
NHCW-20	709.03	10/12/2021	ND	33.00	0.00	676.03
NHCW-20	709.03	10/18/2021	ND	33.29	0.00	675.74
NHCW-21	709.90	2/16/2021	ND	31.29	0.00	678.61
NHCW-21	709.90	2/22/2021	ND	27.03	0.00	682.87
NHCW-21	709.90	3/4/2021	ND	NM	NM	NM
NHCW-21	709.90	3/8/2021	ND	26.97	0.00	682.93
NHCW-21	709.90	3/15/2021	ND	27.00	0.00	682.90
NHCW-21	709.90	3/22/2021	ND	26.96	0.00	682.94
NHCW-21	709.90	4/1/2021	ND	26.62	0.00	683.28
NHCW-21	709.90	4/12/2021	ND	26.81	0.00	683.09
NHCW-21	709.90	4/19/2021	ND	27.17	0.00	682.73
NHCW-21	709.90	4/29/2021	ND	27.32	0.00	682.58
NHCW-21	709.90	5/3/2021	ND	27.35	0.00	682.55
NHCW-21	709.90	5/10/2021	ND	27.51	0.00	682.39
NHCW-21	709.90	5/18/2021	ND	27.57	0.00	682.33
NHCW-21	709.90	5/26/2021	ND	27.69	0.00	682.21
NHCW-21	709.90	5/31/2021	ND	27.91	0.00	681.99
NHCW-21	709.90	6/7/2021	ND	28.14	0.00	681.76
NHCW-21	709.90	6/14/2021	ND	28.22	0.00	681.68
NHCW-21	709.90	6/21/2021	ND	28.43	0.00	681.47
NHCW-21	709.90	7/1/2021	ND	28.55	0.00	681.35
NHCW-21	709.90	7/6/2021	ND	28.73	0.00	681.17
NHCW-21	709.90	7/14/2021	ND	28.81	0.00	681.09
NHCW-21	709.90	7/28/2021	ND	29.20	0.00	680.70
NHCW-21	709.90	8/2/2021	ND	29.60	0.00	680.30
NHCW-21	709.90	8/16/2021	ND	30.18	0.00	679.72
NHCW-21	709.90	8/26/2021	ND	30.66	0.00	679.24
NHCW-21	709.90	8/30/2021	ND	31.00	0.00	678.90
NHCW-21	709.90	9/14/2021	ND	31.82	0.00	678.08
NHCW-21	709.90	9/23/2021	ND	32.15	0.00	677.75
NHCW-21	709.90	10/6/2021	ND	33.18	0.00	676.72
NHCW-21	709.90	10/12/2021	ND	33.45	0.00	676.45
NHCW-21	709.90	10/18/2021	ND	33.74	0.00	676.16
NHCW-22	712.70	2/16/2021	ND	29.58	0.00	683.12
NHCW-22	712.70	2/22/2021	ND	30.14	0.00	682.56

Table 4
Summary of Recovery Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
NHCW-22	712.70	3/4/2021	ND	30.11	0.00	682.59
NHCW-22	712.70	3/8/2021	ND	30.02	0.00	682.68
NHCW-22	712.70	3/15/2021	ND	29.98	0.00	682.72
NHCW-22	712.70	3/22/2021	ND	30.01	0.00	682.69
NHCW-22	712.70	4/1/2021	ND	29.72	0.00	682.98
NHCW-22	712.70	4/12/2021	ND	29.83	0.00	682.87
NHCW-22	712.70	4/19/2021	ND	30.03	0.00	682.67
NHCW-22	712.70	4/29/2021	ND	29.99	0.00	682.71
NHCW-22	712.70	5/3/2021	ND	29.98	0.00	682.72
NHCW-22	712.70	5/10/2021	ND	30.10	0.00	682.60
NHCW-22	712.70	5/18/2021	ND	30.13	0.00	682.57
NHCW-22	712.70	5/26/2021	ND	30.21	0.00	682.49
NHCW-22	712.70	5/31/2021	ND	30.37	0.00	682.33
NHCW-22	712.70	6/7/2021	ND	30.62	0.00	682.08
NHCW-22	712.70	6/14/2021	ND	30.66	0.00	682.04
NHCW-22	712.70	6/21/2021	ND	30.83	0.00	681.87
NHCW-22	712.70	7/1/2021	ND	30.91	0.00	681.79
NHCW-22	712.70	7/6/2021	ND	31.12	0.00	681.58
NHCW-22	712.70	7/14/2021	ND	31.15	0.00	681.55
NHCW-22	712.70	7/28/2021	ND	31.53	0.00	681.17
NHCW-22	712.70	8/2/2021	ND	31.95	0.00	680.75
NHCW-22	712.70	8/16/2021	ND	32.44	0.00	680.26
NHCW-22	712.70	8/26/2021	ND	32.85	0.00	679.85
NHCW-22	712.70	8/30/2021	ND	32.23	0.00	680.47
NHCW-22	712.70	9/14/2021	ND	34.12	0.00	678.58
NHCW-22	712.70	9/23/2021	ND	34.32	0.00	678.38
NHCW-22	712.70	10/6/2021	ND	35.32	0.00	677.38
NHCW-22	712.70	10/12/2021	ND	35.55	0.00	677.15
NHCW-22	712.70	10/18/2021	ND	35.83	0.00	676.87
NHCW-23	715.10	2/16/2021	ND	31.68	0.00	683.42
NHCW-23	715.10	2/22/2021	ND	32.55	0.00	682.55
NHCW-23	715.10	3/4/2021	ND	32.95	0.00	682.15
NHCW-23	715.10	3/8/2021	ND	32.40	0.00	682.70
NHCW-23	715.10	3/15/2021	ND	32.35	0.00	682.75
NHCW-23	715.10	3/22/2021	ND	32.39	0.00	682.71
NHCW-23	715.10	4/1/2021	ND	32.15	0.00	682.95
NHCW-23	715.10	4/12/2021	ND	32.20	0.00	682.90
NHCW-23	715.10	4/19/2021	ND	32.32	0.00	682.78
NHCW-23	715.10	4/29/2021	ND	32.26	0.00	682.84
NHCW-23	715.10	5/3/2021	ND	32.24	0.00	682.86
NHCW-23	715.10	5/10/2021	ND	32.32	0.00	682.78
NHCW-23	715.10	5/18/2021	ND	32.32	0.00	682.78
NHCW-23	715.10	5/26/2021	ND	32.43	0.00	682.67
NHCW-23	715.10	5/31/2021	ND	32.54	0.00	682.56
NHCW-23	715.10	6/7/2021	ND	32.78	0.00	682.32
NHCW-23	715.10	6/14/2021	ND	32.80	0.00	682.30
NHCW-23	715.10	6/21/2021	ND	32.98	0.00	682.12
NHCW-23	715.10	7/1/2021	ND	33.02	0.00	682.08

Table 4
Summary of Recovery Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
NHCW-23	715.10	7/6/2021	ND	33.23	0.00	681.87
NHCW-23	715.10	7/14/2021	ND	33.23	0.00	681.87
NHCW-23	715.10	7/28/2021	ND	33.64	0.00	681.46
NHCW-23	715.10	8/2/2021	ND	34.07	0.00	681.03
NHCW-23	715.10	8/16/2021	ND	34.50	0.00	680.60
NHCW-23	715.10	8/26/2021	ND	34.90	0.00	680.20
NHCW-23	715.10	8/30/2021	ND	35.25	0.00	679.85
NHCW-23	715.10	9/14/2021	ND	36.12	0.00	678.98
NHCW-23	715.10	9/23/2021	ND	36.34	0.00	678.76
NHCW-23	715.10	10/6/2021	ND	37.28	0.00	677.82
NHCW-23	715.10	10/12/2021	ND	37.54	0.00	677.56
NHCW-23	715.10	10/18/2021	ND	37.78	0.00	677.32
NHCW-24	717.38	2/16/2021	ND	34.91	0.00	682.47
NHCW-24	717.38	2/22/2021	ND	34.77	0.00	682.61
NHCW-24	717.38	3/4/2021	ND	NM	NM	NM
NHCW-24	717.38	3/8/2021	ND	35.61	0.00	681.77
NHCW-24	717.38	3/15/2021	ND	34.54	0.00	682.84
NHCW-24	717.38	3/22/2021	ND	34.55	0.00	682.83
NHCW-24	717.38	4/1/2021	ND	34.32	0.00	683.06
NHCW-24	717.38	4/12/2021	ND	34.32	0.00	683.06
NHCW-24	717.38	4/19/2021	ND	34.40	0.00	682.98
NHCW-24	717.38	4/29/2021	ND	34.30	0.00	683.08
NHCW-24	717.38	5/3/2021	ND	34.26	0.00	683.12
NHCW-24	717.38	5/10/2021	ND	34.31	0.00	683.07
NHCW-24	717.38	5/18/2021	ND	34.30	0.00	683.08
NHCW-24	717.38	5/26/2021	ND	34.34	0.00	683.04
NHCW-24	717.38	5/31/2021	ND	34.50	0.00	682.88
NHCW-24	717.38	6/7/2021	ND	34.72	0.00	682.66
NHCW-24	717.38	6/14/2021	ND	34.74	0.00	682.64
NHCW-24	717.38	6/21/2021	ND	34.92	0.00	682.46
NHCW-24	717.38	7/1/2021	ND	34.98	0.00	682.40
NHCW-24	717.38	7/6/2021	ND	35.20	0.00	682.18
NHCW-24	717.38	7/14/2021	ND	35.23	0.00	682.15
NHCW-24	717.38	7/28/2021	ND	35.56	0.00	681.82
NHCW-24	717.38	8/2/2021	ND	35.97	0.00	681.41
NHCW-24	717.38	8/16/2021	ND	36.40	0.00	680.98
NHCW-24	717.38	8/26/2021	ND	36.56	0.00	680.82
NHCW-24	717.38	8/30/2021	ND	37.06	0.00	680.32
NHCW-24	717.38	9/14/2021	ND	37.92	0.00	679.46
NHCW-24	717.38	9/23/2021	ND	38.13	0.00	679.25
NHCW-24	717.38	10/6/2021	ND	38.98	0.00	678.40
NHCW-24	717.38	10/12/2021	ND	39.21	0.00	678.17
NHCW-24	717.38	10/18/2021	ND	39.41	0.00	677.97
NHCW-25	720.83	2/16/2021	ND	36.40	0.00	684.43
NHCW-25	720.83	2/22/2021	ND	38.02	0.00	682.81
NHCW-25	720.83	3/4/2021	ND	38.22	0.00	682.61
NHCW-25	720.83	3/8/2021	ND	37.93	0.00	682.90
NHCW-25	720.83	3/15/2021	ND	37.82	0.00	683.01

Table 4
Summary of Recovery Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
NHCW-25	720.83	3/22/2021	ND	37.80	0.00	683.03
NHCW-25	720.83	4/1/2021	ND	37.60	0.00	683.23
NHCW-25	720.83	4/12/2021	ND	37.51	0.00	683.32
NHCW-25	720.83	4/19/2021	ND	37.57	0.00	683.26
NHCW-25	720.83	4/29/2021	ND	37.36	0.00	683.47
NHCW-25	720.83	5/3/2021	ND	37.34	0.00	683.49
NHCW-25	720.83	5/10/2021	ND	37.35	0.00	683.48
NHCW-25	720.83	5/18/2021	ND	37.36	0.00	683.47
NHCW-25	720.83	5/26/2021	ND	37.43	0.00	683.40
NHCW-25	720.83	5/31/2021	ND	37.51	0.00	683.32
NHCW-25	720.83	6/7/2021	ND	37.74	0.00	683.09
NHCW-25	720.83	6/14/2021	ND	37.76	0.00	683.07
NHCW-25	720.83	6/21/2021	ND	37.95	0.00	682.88
NHCW-25	720.83	7/1/2021	ND	38.00	0.00	682.83
NHCW-25	720.83	7/6/2021	ND	38.22	0.00	682.61
NHCW-25	720.83	7/14/2021	ND	38.26	0.00	682.57
NHCW-25	720.83	7/28/2021	ND	38.59	0.00	682.24
NHCW-25	720.83	8/2/2021	ND	38.99	0.00	681.84
NHCW-25	720.83	8/16/2021	ND	39.35	0.00	681.48
NHCW-25	720.83	8/26/2021	ND	39.69	0.00	681.14
NHCW-25	720.83	8/30/2021	ND	39.95	0.00	680.88
NHCW-25	720.83	9/14/2021	ND	40.73	0.00	680.10
NHCW-25	720.83	9/23/2021	ND	40.94	0.00	679.89
NHCW-25	720.83	10/6/2021	ND	41.72	0.00	679.11
NHCW-25	720.83	10/12/2021	ND	41.94	0.00	678.89
NHCW-25	720.83	10/18/2021	ND	42.18	0.00	678.65
NHCW-26	723.09	2/16/2021	ND	37.23	0.00	685.86
NHCW-26	723.09	2/22/2021	ND	39.46	0.00	683.63
NHCW-26	723.09	3/4/2021	ND	39.44	0.00	683.65
NHCW-26	723.09	3/8/2021	ND	39.45	0.00	683.64
NHCW-26	723.09	3/15/2021	ND	39.31	0.00	683.78
NHCW-26	723.09	3/22/2021	ND	39.26	0.00	683.83
NHCW-26	723.09	4/1/2021	ND	39.12	0.00	683.97
NHCW-26	723.09	4/12/2021	ND	38.94	0.00	684.15
NHCW-26	723.09	4/19/2021	ND	38.91	0.00	684.18
NHCW-26	723.09	4/29/2021	ND	38.72	0.00	684.37
NHCW-26	723.09	5/3/2021	ND	38.62	0.00	684.47
NHCW-26	723.09	5/10/2021	ND	38.61	0.00	684.48
NHCW-26	723.09	5/18/2021	ND	38.59	0.00	684.50
NHCW-26	723.09	5/26/2021	ND	38.60	0.00	684.49
NHCW-26	723.09	5/31/2021	ND	38.67	0.00	684.42
NHCW-26	723.09	6/7/2021	ND	38.77	0.00	684.32
NHCW-26	723.09	6/14/2021	ND	38.82	0.00	684.27
NHCW-26	723.09	6/21/2021	ND	38.98	0.00	684.11
NHCW-26	723.09	7/1/2021	ND	39.06	0.00	684.03
NHCW-26	723.09	7/6/2021	ND	39.23	0.00	683.86
NHCW-26	723.09	7/14/2021	ND	39.33	0.00	683.76
NHCW-26	723.09	7/28/2021	ND	39.63	0.00	683.46

Table 4
Summary of Recovery Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
NHCW-26	723.09	8/2/2021	ND	39.92	0.00	683.17
NHCW-26	723.09	8/16/2021	ND	40.24	0.00	682.85
NHCW-26	723.09	8/26/2021	ND	40.57	0.00	682.52
NHCW-26	723.09	8/30/2021	ND	40.69	0.00	682.40
NHCW-26	723.09	9/14/2021	ND	41.25	0.00	681.84
NHCW-26	723.09	9/23/2021	ND	41.63	0.00	681.46
NHCW-26	723.09	10/6/2021	ND	42.17	0.00	680.92
NHCW-26	723.09	10/12/2021	ND	42.33	0.00	680.76
NHCW-26	723.09	10/18/2021	ND	42.57	0.00	680.52
NHCW-27	724.18	2/22/2021	ND	40.08	0.00	684.10
NHCW-27	724.18	3/4/2021	ND	40.05	0.00	684.13
NHCW-27	724.18	3/8/2021	ND	40.06	0.00	684.12
NHCW-27	724.18	3/15/2021	ND	39.95	0.00	684.23
NHCW-27	724.18	3/22/2021	ND	39.92	0.00	684.26
NHCW-27	724.18	4/1/2021	ND	39.77	0.00	684.41
NHCW-27	724.18	4/12/2021	ND	39.62	0.00	684.56
NHCW-27	724.18	4/19/2021	ND	39.62	0.00	684.56
NHCW-27	724.18	4/29/2021	ND	39.39	0.00	684.79
NHCW-27	724.18	5/3/2021	ND	39.31	0.00	684.87
NHCW-27	724.18	5/10/2021	ND	39.27	0.00	684.91
NHCW-27	724.18	5/18/2021	ND	39.22	0.00	684.96
NHCW-27	724.18	5/26/2021	ND	39.23	0.00	684.95
NHCW-27	724.18	5/31/2021	ND	39.29	0.00	684.89
NHCW-27	724.18	6/7/2021	ND	39.41	0.00	684.77
NHCW-27	724.18	6/14/2021	ND	39.44	0.00	684.74
NHCW-27	724.18	6/21/2021	ND	39.60	0.00	684.58
NHCW-27	724.18	7/1/2021	ND	39.68	0.00	684.50
NHCW-27	724.18	7/6/2021	ND	39.85	0.00	684.33
NHCW-27	724.18	7/14/2021	ND	40.61	0.00	683.57
NHCW-27	724.18	7/28/2021	ND	40.20	0.00	683.98
NHCW-27	724.18	8/2/2021	ND	40.51	0.00	683.67
NHCW-27	724.18	8/16/2021	ND	40.85	0.00	683.33
NHCW-27	724.18	8/26/2021	ND	41.10	0.00	683.08
NHCW-27	724.18	8/30/2021	ND	41.26	0.00	682.92
NHCW-27	724.18	9/14/2021	ND	41.90	0.00	682.28
NHCW-27	724.18	9/23/2021	ND	42.12	0.00	682.06
NHCW-27	724.18	10/6/2021	ND	42.72	0.00	681.46
NHCW-27	724.18	10/12/2021	ND	42.89	0.00	681.29
NHCW-27	724.18	10/18/2021	ND	43.11	0.00	681.07
NHCW-28	725.46	2/16/2021	ND	38.22	0.00	687.24
NHCW-28	725.46	2/22/2021	ND	39.54	0.00	685.92
NHCW-28	725.46	3/4/2021	ND	38.51	0.00	686.95
NHCW-28	725.46	3/8/2021	ND	39.55	0.00	685.91
NHCW-28	725.46	3/15/2021	ND	39.45	0.00	686.01
NHCW-28	725.46	3/22/2021	ND	39.47	0.00	685.99
NHCW-28	725.46	4/1/2021	ND	39.34	0.00	686.12
NHCW-28	725.46	4/12/2021	ND	39.26	0.00	686.20
NHCW-28	725.46	4/19/2021	ND	39.28	0.00	686.18

Table 4
Summary of Recovery Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
NHCW-28	725.46	4/29/2021	ND	39.10	0.00	686.36
NHCW-28	725.46	5/3/2021	ND	39.03	0.00	686.43
NHCW-28	725.46	5/10/2021	ND	39.04	0.00	686.42
NHCW-28	725.46	5/18/2021	ND	39.01	0.00	686.45
NHCW-28	725.46	5/26/2021	ND	39.01	0.00	686.45
NHCW-28	725.46	5/31/2021	ND	39.04	0.00	686.42
NHCW-28	725.46	6/7/2021	ND	39.15	0.00	686.31
NHCW-28	725.46	6/14/2021	ND	39.12	0.00	686.34
NHCW-28	725.46	6/21/2021	ND	39.32	0.00	686.14
NHCW-28	725.46	7/1/2021	ND	39.33	0.00	686.13
NHCW-28	725.46	7/6/2021	ND	39.45	0.00	686.01
NHCW-28	725.46	7/14/2021	ND	40.46	0.00	685.00
NHCW-28	725.46	7/28/2021	ND	39.79	0.00	685.67
NHCW-28	725.46	8/2/2021	ND	40.13	0.00	685.33
NHCW-28	725.46	8/16/2021	ND	40.44	0.00	685.02
NHCW-28	725.46	8/26/2021	ND	40.64	0.00	684.82
NHCW-28	725.46	8/30/2021	ND	40.85	0.00	684.61
NHCW-28	725.46	9/14/2021	ND	41.45	0.00	684.01
NHCW-28	725.46	9/23/2021	ND	41.67	0.00	683.79
NHCW-28	725.46	10/6/2021	ND	42.16	0.00	683.30
NHCW-28	725.46	10/12/2021	ND	42.33	0.00	683.13
NHCW-28	725.46	10/18/2021	ND	42.51	0.00	682.95
NHCW-29	728.13	2/22/2021	ND	40.76	0.00	687.37
NHCW-29	728.13	3/4/2021	ND	38.73	0.00	689.40
NHCW-29	728.13	3/8/2021	ND	40.79	0.00	687.34
NHCW-29	728.13	3/15/2021	ND	40.68	0.00	687.45
NHCW-29	728.13	3/22/2021	ND	40.67	0.00	687.46
NHCW-29	728.13	4/1/2021	ND	40.60	0.00	687.53
NHCW-29	728.13	4/12/2021	ND	40.49	0.00	687.64
NHCW-29	728.13	4/19/2021	ND	40.56	0.00	687.57
NHCW-29	728.13	4/29/2021	ND	40.33	0.00	687.80

Table 4
Summary of Recovery Well Gauging Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Top Of Casing Elevation[1]	Date	Depth to Free Product (ft btoc)	Depth to Groundwater (ft btoc)	Free Product Thickness (ft)	Groundwater Elevation[2] (ft btoc)
NHCW-29	728.13	5/3/2021	ND	40.27	0.00	687.86
NHCW-29	728.13	5/10/2021	ND	40.25	0.00	687.88
NHCW-29	728.13	5/18/2021	ND	40.21	0.00	687.92
NHCW-29	728.13	5/26/2021	ND	40.28	0.00	687.85
NHCW-29	728.13	5/31/2021	ND	40.24	0.00	687.89
NHCW-29	728.13	6/7/2021	ND	40.34	0.00	687.79
NHCW-29	728.13	6/14/2021	ND	40.32	0.00	687.81
NHCW-29	728.13	6/21/2021	ND	40.46	0.00	687.67
NHCW-29	728.13	7/1/2021	ND	40.50	0.00	687.63
NHCW-29	728.13	7/6/2021	ND	40.61	0.00	687.52
NHCW-29	728.13	7/14/2021	ND	40.68	0.00	687.45
NHCW-29	728.13	7/28/2021	ND	40.94	0.00	687.19
NHCW-29	728.13	8/2/2021	ND	41.22	0.00	686.91
NHCW-29	728.13	8/16/2021	ND	51.49	0.00	676.64
NHCW-29	728.13	8/26/2021	ND	41.72	0.00	686.41
NHCW-29	728.13	8/30/2021	ND	41.79	0.00	686.34
NHCW-29	728.13	9/14/2021	ND	42.31	0.00	685.82
NHCW-29	728.13	9/23/2021	ND	42.55	0.00	685.58
NHCW-29	728.13	10/6/2021	ND	42.87	0.00	685.26
NHCW-29	728.13	10/12/2021	ND	43.02	0.00	685.11
NHCW-29	728.13	10/18/2021	ND	43.18	0.00	684.95

Notes:
ft btoc = Feet Below Top of Casing
N/A = Not Applicable
RW = Recovery Well
HCW = Hydraulic Control Well
NCHW = North Hydraulic Control Well
ND = No free product was detected in well
NW = No water measured; well contained product only
Dry = Well was dry; no free product or water detected in well
ARP = Active Recovery Pump in Well
NM = Not Measured
[1] = Elevations surveyed in feet using the NAVD88 vertical datum
[2] = Corrected Groundwater Elevation = (Top of Casing - Depth to Water) + (Free Product Thickness x 0.7324)

Table 5A
Summary of Monitoring Well Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Well ID	Sample Date	Metals (µg/L)	VOCs (µg/L)																										MADEP VPH (µg/L)			
				Lead	Benzene	Bromochloromethane	Bromodichloromethane	n-Butylbenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	Dibromochloromethane	1,2-Dichloroethane	Diisopropyl ether	Ethylbenzene	Hexachloro-1,3-butadiene	Isopropylbenzene (Cumene)	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	Xylene (Total)	m&p-Xylene	o-Xylene	C5 - C8 Aliphatics	C9 - C12 Aliphatics	C9 - C10 Aromatics	VPH (Total)
NCAC 2L Standards				**15**	**1**	**NE**	**0.6**	**70**	**3000**	**70**	**3**	**100**	**0.4**	**0.4**	**70**	**600**	**0.4**	**70**	**5**	**20**	**6**	**70**	**0.7**	**600**	**2000**	**400**	**400**	**0.03**	**500**	**500**	**500**	**400**	**700**	**200**	**NE**
IMAC Standards				**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
Surficial Unit Monitoring Wells																																		
92493062	MW-1_20200828	MW-01	08/28/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501616	MW-1_20201021	MW-01	10/21/2020	**50.8**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92508536	MW-01_20201130	MW-01	11/30/2020	**43.9**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92514598	MW-1_20210104	MW-01	01/04/2021	**15**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92521237	MW-1_20210209	MW-01	02/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92527327	MW-01_20210311	MW-01	03/11/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92527327	DUP-1-20210311	MW-01	03/11/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92532417	MW-01_20210408	MW-01	04/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537489	MW-01_20210506	MW-01	05/06/2021	**7.2**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**0.35J**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542375	MW-01_20210603	MW-01	06/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**0.34J**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542375	DUP-1-20210603	MW-01	06/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**0.35J**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548787	MW-01_20210709	MW-01	07/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92554137	MW-01_20210805	MW-01	08/05/2021	**10.3**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559360	MW-01_20210902	MW-01	09/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92565572	MW-01_20211007	MW-01	10/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	NA
92493062	MW-2_20200828	MW-02	08/28/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501616	MW-2_20201021	MW-02	10/21/2020	**19.2**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92508536	MW-02_20201130	MW-02	11/30/2020	**20.8**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92514598	MW-2_20210104	MW-02	01/04/2021	**12.1**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92520901	MW-2_20210208	MW-02	02/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92527327	MW-02_20210311	MW-02	03/11/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92532417	MW-02_20210408	MW-02	04/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537784	MW-02_20210507	MW-02	05/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542611	MW-02_20210604	MW-02	06/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548527	MW-02_20210708	MW-02	07/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548527	DUP-2-20210708	MW-02	07/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92554285	MW-02_20210806	MW-02	08/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559014	MW-02_20210901	MW-02	09/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92563487	MW-02_20210927	MW-02	09/27/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92493062	MW-3_20200828	MW-03	08/28/2020	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501860	MW-3_20201022	MW-03	10/22/2020	**9.9**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92508536	MW-3_20201130	MW-03	11/30/2020	**13.7**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92514598	MW-3_20210104	MW-03	01/04/2021	**18.5**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92520901	MW-03_20210208	MW-03	02/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526618	MW-03_20210309	MW-03	03/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92530256	MW-03_20210407	MW-03	04/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537489	MW-03_20210506	MW-03	05/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**0.49J**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542611	MW-03_20210604	MW-03	06/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	**0.43J**	<1	**0.43J**	<50	<50	<50	<50
92548787	MW-03_20210709	MW-03	07/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**0.51**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92554137	MW-03_20210805	MW-03	08/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**0.55**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559360	MW-03_20210902	MW-03	09/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564492	MW-03_20211001	MW-03	10/01/2021	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	**0.22J**	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	**2.70**	<0.5	<0.5	<0.5	<0.5	**0.76J**	**0.46J**	**0.3J**	**130**	<100	<100	NA
92493708	MW-4_20200902	MW-04	09/02/2020	<25	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501616	MW-4_20201021	MW-04	10/21/2020	**19.4**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92508536	MW-04_20201130	MW-04	11/30/2020	**16.3**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92514598	MW-4_20210104	MW-04	01/04/2021	**14.6**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100

Table 5A
Summary of Monitoring Well Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Well ID	Sample Date	Metals (µg/L)	VOCs (µg/L)																									MADEP VPH (µg/L)			
				Lead	Benzene	Bromochloromethane	Bromodichloromethane	n-Butylbenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	Dibromochloromethane	1,2-Dichloroethane	Diisopropyl ether	Ethylbenzene	Hexachloro-1,3-butadiene	Isopropylbenzene (Cumene)	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	Xylene (Total)	m&p-Xylene	o-Xylene	C5 - C8 Aliphatics	C9 - C12 Aliphatics	C9 - C10 Aromatics	VPH (Total)
NCAC 2L Standards				**15**	**1**	**NE**	**0.6**	**70**	**3000**	**70**	**3**	**100**	**0.4**	**0.4**	**70**	**600**	**0.4**	**70**	**5**	**20**	**6**	**70**	**0.7**	**600**	**2000**	**400**	**400**	**0.03**	**500**	**500**	**500**	**400**	**700**	**200**	**NE**
IMAC Standards				**--**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
92520901	MW-4_20210208	MW-04	02/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92527475	MW-04_20210312	MW-04	03/12/2021	**5.7**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92532417	MW-04_20210408	MW-04	04/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537784	MW-04_20210507	MW-04	05/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542375	MW-04_20210603	MW-04	06/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548787	MW-04_20210709	MW-04	07/09/2021	<5	**0.43J**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**0.60**	<1	<0.5	<0.5	<1	**0.4J**	<1	**0.4J**	<50	<50	<50	<50
92551297	MW-04_20210722	MW-04	07/22/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92554285	MW-04_20210806	MW-04	08/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559014	MW-04_20210901	MW-04	09/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92563487	MW-04_20210927	MW-04	09/27/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92563487	DUP-1-20210927	MW-04	09/27/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	<100
92493708	MW-5_20200902	MW-05	09/02/2020	<25	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501616	MW-5_20201021	MW-05	10/21/2020	**19.6**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92508536	MW-05_20201130	MW-05	11/30/2020	**13.3**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92514598	MW-05_20210104	MW-05	01/04/2021	**46**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92521237	MW-5_20210209	MW-05	02/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526977	MW-05_20210310	MW-05	03/10/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92531581	MW-05_20210406	MW-05	04/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537489	MW-05_20210506	MW-05	05/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542375	MW-05_20210603	MW-05	06/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**1.1**	<1	<0.5	<0.5	<1	**3.8**	**2.6**	**1.2**	<50	<50	<50	<50
92548527	MW-05_20210708	MW-05	07/08/2021	<5	**0.69**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	**0.47J**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**1.1**	<1	<0.5	<0.5	<1	**2.64**	**1.8**	**0.84**	<50	<50	<50	<50
92551297	MW-05_20210722	MW-05	07/22/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**1.4**	<1	<0.5	<0.5	<1	**1.68**	**1**	**0.68**	NA	NA	NA	NA
92551297	DUP-1-20210722	MW-05	07/22/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**1.3**	<1	<0.5	<0.5	<1	**1.68**	**1.1**	**0.58**	NA	NA	NA	NA
92554285	MW-05_20210806	MW-05	08/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559014	MW-05_20210901	MW-05	09/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92563487	MW-05_20210927	MW-05	09/27/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92493708	MW-6_20200902	MW-06	09/02/2020	<25	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501616	MW-6_20201021	MW-06	10/21/2020	**33.8**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92508536	MW-06_20201130	MW-06	11/30/2020	**23.3**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92514598	MW-6_20210104	MW-06	01/04/2021	**19.1**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92520901	MW-6_20210208	MW-06	02/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92527327	MW-06_20210311	MW-06	03/11/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92532417	MW-06_20210408	MW-06	04/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**0.76**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92532417	DUP-1-20210408	MW-06	04/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**0.78**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537489	MW-06_20210506	MW-06	05/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541993	MW-06_20210602	MW-06	06/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548527	MW-06_20210708	MW-06	07/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553563	MW-06_20210804	MW-06	08/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559014	MW-06_20210901	MW-06	09/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92563487	MW-06_20210927	MW-06	09/27/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92493708	MW-7_20200902	MW-07	09/02/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501960	MW-7_20201023	MW-07	10/23/2020	**73.1**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**1.0**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92508536	MW-7_20201130	MW-07	11/30/2020	**35.3**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92514598	MW-7_20210104	MW-07	01/04/2021	**78**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92521871	MW-7_20210211	MW-07	02/11/2021	**57.1**	**3.6**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	**4.0**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**24.3**	<1	**0.6**	<0.5	<1	**12.7**	**7.4**	**5.3**	<100	<100	<100	**182**
92526977	MW-07_20210310	MW-07	03/10/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92532417	MW-07_20210408	MW-07	04/08/2021	**6.7**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50

Table 5A
Summary of Monitoring Well Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Well ID	Sample Date	Metals (µg/L)	VOCs (µg/L)																									MADEP VPH (µg/L)			
				Lead	Benzene	Bromochloromethane	Bromodichloromethane	n-Butylbenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	Dibromochloromethane	1,2-Dichloroethane	Diisopropyl ether	Ethylbenzene	Hexachloro-1,3-butadiene	Isopropylbenzene (Cumene)	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	Xylene (Total)	m&p-Xylene	o-Xylene	C5 - C8 Aliphatics	C9 - C12 Aliphatics	C9 - C10 Aromatics	VPH (Total)
NCAC 2L Standards				**15**	**1**	**NE**	**0.6**	**70**	**3000**	**70**	**3**	**100**	**0.4**	**0.4**	**70**	**600**	**0.4**	**70**	**5**	**20**	**6**	**70**	**0.7**	**600**	**2000**	**400**	**400**	**0.03**	**500**	**500**	**500**	**400**	**700**	**200**	**NE**
IMAC Standards				**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
92537489	MW-07_20210506	MW-07	05/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542375	MW-07_20210603	MW-07	06/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548527	MW-07_20210708	MW-07	07/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92554137	MW-07_20210805	MW-07	08/05/2021	<5	**0.79**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	**1.4**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**8.3**	<1	**0.79**	<0.5	<0.5	<1	**7.7**	**5**	**2.7**	<50	<50	<50	**67.4**
92559014	MW-07_20210901	MW-07	09/01/2021	<5	**53.3**	<2	<2	<2	<4	<2	<4	<2	<2	<2	<0.5	**43.5**	<8	<2	<8	**2.6**	**5.7J**	<2	<2	**428**	<4	**23.1**	<2	<4	**282**	**160**	**122**	**2,800**	**742**	**104**	**3,640**
92561826	MW-07_20210916	MW-07	09/16/2021	<5	**80.4**	<2	<2	<2	<4	<2	<4	<2	<2	<2	**3.2**	**92.4**	<8	**2.7**	<8	<2	**19.1J**	<2	<2	**778**	<4	**56.2**	**15.3**	<4	**551**	**342**	**209**	**4,730**	**1400**	<200	**6,320**
92563804	MW-07_20210928	MW-07	09/28/2021	<5	**23**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	**1.5**	**59**	<0.6	**1.7**	<5	<0.5	**2.5**	<0.5	<0.5	**290**	<0.5	**32**	**12**	<0.5	**360**	**230**	**130**	**1,100**	<100	**150**	NA
92494322	MW-8_20200903	MW-08	09/03/2020	<5	<0.5	<0.5	**2.5**	<0.5	<1	**15.5**	<1	<0.5	**3.8**	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**2.3**	<1	<0.5	<0.5	<1	**1.78**	**1.2**	**0.58**	<100	<100	<100	<100
92495239	MW-08_20200913	MW-08	09/13/2020	<5	<0.5	<0.5	**1.6**	<0.5	<1	**12.8**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**0.56**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501345	MW-08_20201020	MW-08	10/20/2020	**11.2**	<0.5	<0.5	<0.5	<0.5	<1	**3.5**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92508886	MW-8_20201201	MW-08	12/02/2020	**9.7**	<0.5	<0.5	<0.5	<0.5	<1	**0.96**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92515216	MW-08_20210106	MW-08	01/06/2021	**10**	<0.5	<0.5	<0.5	<0.5	<1	**0.93**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92522126	MW-8_20210212	MW-08	02/12/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.77**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92527474	MW-08_20210312	MW-08	03/12/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.87**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92531580	MW-08_20210406	MW-08	04/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.70**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92536726	MW-08_20210504	MW-08	05/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.50**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542350	MW-08_20210603	MW-08	06/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.49J**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92547899	MW-08_20210706	MW-08	07/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.5J**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553185	MW-08_20210803	MW-08	08/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.41J**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558740	MW-08_20210831	MW-08	08/31/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.45J**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564678	MW-08_20211004	MW-08	10/04/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	**0.23J**	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92493708	MW-9_20200902	MW-09	09/02/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92495241	MW-09_20200913	MW-09	09/13/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501616	MW-9_20201021	MW-09	10/21/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92508536	MW-09_20201130	MW-09	11/30/2020	**7.2**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92514598	MW-9_20210104	MW-09	01/04/2021	**5.1**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92521237	MW-9_20210209	MW-09	02/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92527327	MW-09_20210311	MW-09	03/11/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92532417	MW-09_20210409	MW-09	04/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541993	MW-09_20210602	MW-09	06/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548787	MW-09_20210709	MW-09	07/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553563	MW-09_20210804	MW-09	08/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	**4.2**	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559360	MW-09_20210902	MW-09	09/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564084	MW-09_20210929	MW-09	09/29/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92564084	DUP-1-20210929	MW-09	09/29/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92493864	MW-11_20200903	MW-11	09/03/2020	<5	<0.5	<0.5	**2.1**	<0.5	<1	**18.3**	<1	<0.5	**3.7**	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	**4.1**	**1.2**	<1	**1**	<0.5	<1	**2.55**	**1.8**	**0.75**	<100	<100	<100	<100
92495244	MW-11_20200913	MW-11	09/13/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	**6.3**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	**1.9**	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501344	MW-11_20201020	MW-11	10/20/2020	**17.8**	**1,740**	<20	<20	<20	<40	<20	<40	<20	<20	<20	**172**	**286**	<80	<20	**99.8**	**29.5**	<80	<20	<20	**4,370**	<40	**265**	<20	<40	**1,755**	**1,110**	**645**	**16,700**	**4,580**	**1,370**	**5,950**
92493708	MW-12_20200902	MW-12	09/02/2020	<25	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501616	MW-12_20201021	MW-12	10/21/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92508536	MW-12_20201130	MW-12	11/30/2020	**8.7**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92514598	MW-12_20210104	MW-12	01/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92520901	MW-12_20210208	MW-12	02/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92527327	MW-12_20210311	MW-12	03/11/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92532417	MW-12_20210408	MW-12	04/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537784	MW-12_20210507	MW-12	05/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537784	DUP-1-20210507	MW-12	05/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50

Table 5A
Summary of Monitoring Well Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Well ID	Sample Date	Metals (µg/L)	VOCs (µg/L)																									MADEP VPH (µg/L)			
				Lead	Benzene	Bromochloromethane	Bromodichloromethane	n-Butylbenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	Dibromochloromethane	1,2-Dichloroethane	Diisopropyl ether	Ethylbenzene	Hexachloro-1,3-butadiene	Isopropylbenzene (Cumene)	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	Xylene (Total)	m&p-Xylene	o-Xylene	C5 - C8 Aliphatics	C9 - C12 Aliphatics	C9 - C10 Aromatics	VPH (Total)
NCAC 2L Standards				**15**	**1**	**NE**	**0.6**	**70**	**3000**	**70**	**3**	**100**	**0.4**	**0.4**	**70**	**600**	**0.4**	**70**	**5**	**20**	**6**	**70**	**0.7**	**600**	**2000**	**400**	**400**	**0.03**	**500**	**500**	**500**	**400**	**700**	**200**	**NE**
IMAC Standards				**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
92542375	MW-12_20210603	MW-12	06/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548787	MW-12_20210709	MW-12	07/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92554285	MW-12_20210806	MW-12	08/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559014	MW-12_20210901	MW-12	09/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92563487	MW-12_20210927	MW-12	09/27/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92495627	MW-13_20200915	MW-13	09/15/2020	<5	<0.5	<0.5	**2.2**	<0.5	<1	**21.7**	<1	<0.5	**0.54**	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	**4.4**	**1.5**	<1	**0.76**	<0.5	<1	**2.72**	**1.8**	**0.92**	<100	<100	<100	<100
92499587	MW-13_20201007	MW-13	10/07/2020	<5	<0.5	<0.5	**0.55**	<0.5	<1	**15.1**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	**2.8**	**0.53**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501345	MW-13_20201020	MW-13	10/20/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	**5.1**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	**1.2**	**0.97**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92509251	MW-13_20201202	MW-13	12/02/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	**6.2**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	**1.1**	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92515216	MW-13_20210106	MW-13	01/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**4.6**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	**0.85**	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92522126	MW-13_20210212	MW-13	02/12/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**3**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	**0.69**	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92527474	MW-13_20210312	MW-13	03/12/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**4.6**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	**1.1**	**0.64**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92531580	MW-13_20210406	MW-13	04/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**2.8**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	**0.58**	**0.65**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537158	MW-13_20210505	MW-13	05/05/2021	<5	**0.65**	<0.5	**0.37J**	<0.5	<1	**3.7**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	**0.94**	<0.5	<1	<0.5	<0.5	<1	<1	<1	<0.5	<50	<50	<50	<50
92541703	MW-13_20210601	MW-13	06/01/2021	<5	<0.5	<0.5	**0.58**	<0.5	<1	**5.3**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	**1.1**	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92547899	MW-13_20210706	MW-13	07/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**2.9J**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	**0.59**	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92547899	DUP-1-20210706	MW-13	07/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**3.0**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	**0.73J**	<0.5	**0.58**	<0.5	<1	<0.5	<0.5	<1	**1.2J**	**0.75J**	**0.45J**	<50	<50	<50	<50
92553185	MW-13_20210803	MW-13	08/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**1.8**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558740	MW-13_20210831	MW-13	08/31/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**1.4**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564678	MW-13_20211004	MW-13	10/04/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	**0.72**	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	**0.24J**	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92495239	MW-14_20200913	MW-14	09/13/2020	<5	<0.5	<0.5	**0.7**	<0.5	<1	**4.4**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501345	MW-14_20201020	MW-14	10/20/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**0.55**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92509251	MW-14_20201202	MW-14	12/02/2020	**18.7**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92514892	MW-14_20210105	MW-14	01/05/2021	**94.7**	<0.5	<0.5	<0.5	<0.5	<1	**0.56**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92522126	MW-14_20210212	MW-14	02/12/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.64**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92527474	MW-14_20210312	MW-14	03/12/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.57**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92531580	MW-14_20210406	MW-14	04/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92536726	MW-14_20210504	MW-14	05/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541991	MW-14_20210602	MW-14	06/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541991	DUP-1-20210602	MW-14	06/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92547899	MW-14_20210706	MW-14	07/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553185	MW-14_20210803	MW-14	08/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558740	MW-14_20210831	MW-14	08/31/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558740	DUP-2-20210831	MW-14	08/31/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564488	MW-14_20211001	MW-14	10/01/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.60	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92494640	MW-15_20200909	MW-15	09/09/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501616	MW-15_20201021	MW-15	10/21/2020	**10.4**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92508536	MW-15_20201130	MW-15	11/30/2020	**28.9**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92514598	MW-15_20210104	MW-15	01/04/2021	**13.5**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92520901	MW-15_20210208	MW-15	02/08/2021	**14.1**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92514598	DUP-1-20210104	MW-15	01/04/2021	**14.5**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92527475	MW-15_20210312	MW-15	03/12/2021	**5.3**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92532417	MW-15_20210408	MW-15	04/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537784	MW-15_20210507	MW-15	05/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542375	MW-15_20210603	MW-15	06/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548787	MW-15_20210709	MW-15	07/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92554285	MW-15_20210806	MW-15	08/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50

Table 5A
Summary of Monitoring Well Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Well ID	Sample Date	Metals (µg/L)	VOCs (µg/L)																									MADEP VPH (µg/L)			
				Lead	Benzene	Bromochloromethane	Bromodichloromethane	n-Butylbenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	Dibromochloromethane	1,2-Dichloroethane	Diisopropyl ether	Ethylbenzene	Hexachloro-1,3-butadiene	Isopropylbenzene (Cumene)	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	Xylene (Total)	m&p-Xylene	o-Xylene	C5 - C8 Aliphatics	C9 - C12 Aliphatics	C9 - C10 Aromatics	VPH (Total)
NCAC 2L Standards				**15**	**1**	**NE**	**0.6**	**70**	**3000**	**70**	**3**	**100**	**0.4**	**0.4**	**70**	**600**	**0.4**	**70**	**5**	**20**	**6**	**70**	**0.7**	**600**	**2000**	**400**	**400**	**0.03**	**500**	**500**	**500**	**400**	**700**	**200**	**NE**
IMAC Standards				**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
92559014	MW-15_20210901	MW-15	09/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92563487	MW-15_20210927	MW-15	09/27/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92495905	MW-16_20200916	MW-16	09/16/2020	<5	<0.5	<0.5	**0.78**	<0.5	<1	**5.9**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92500605	MW-16_20201007	MW-16	10/07/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	**3.3**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501343	MW-16_20201020	MW-16	10/20/2020	**7.8**	<0.5	<0.5	<0.5	<0.5	<1	**2**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92508884	MW-16_20201201	MW-16	12/01/2020	**18.9**	<0.5	<0.5	<0.5	<0.5	<1	**1.1**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92515075	MW-16_20210106	MW-16	01/06/2021	**42.7**	<0.5	<0.5	<0.5	<0.5	<1	**1.3**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92521555	MW-16_20210210	MW-16	02/10/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.72**	<1	<0.5	<0.5	<0.5	<0.5	**0.83**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**3.1**	<1	**2.5**	**0.68**	<1	**4.9**	**3.4**	**1.5**	<100	<100	<100	<100
92526257	MW-16_20210308	MW-16	03/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.91**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92531853	MW-16_20210407	MW-16	04/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92531853	DUP-1-20210407	MW-16	04/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537153	MW-16_20210505	MW-16	05/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1	<1	<0.5	<50	<50	<50	<50
92541992	MW-16_20210602	MW-16	06/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548170	MW-16_20210707	MW-16	07/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553519	MW-16_20210804	MW-16	08/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559334	MW-16_20210902	MW-16	09/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564333	MW-16_20210930	MW-16	09/30/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92495905	MW-17_20200916	MW-17	09/16/2020	<5	**0.6**	<0.5	**1.4**	<0.5	<1	**16.2**	<1	<0.5	<0.5	<0.5	<0.5	**1.4**	<2	<0.5	<2	<0.5	<2	<0.5	**2.7**	**5.4**	<1	**3.7**	**1.3**	<1	**10.5**	**7.2**	**3.3**	<100	<100	<100	**109**
92501343	MW-17_20201020	MW-17	10/20/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	**8.9**	<1	<0.5	<0.5	<0.5	<0.5	**0.82**	<2	<0.5	<2	<0.5	<2	<0.5	**1.2**	**2.1**	<1	**2**	**0.71**	<1	**5.4**	**3.6**	**1.8**	<100	<100	<100	**152**
92508884	MW-17_20201201	MW-17	12/01/2020	**9.5**	<0.5	<0.5	<0.5	<0.5	<1	**4.7**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	**0.61**	**0.80**	<1	**1.1**	<0.5	<1	**2.57**	**1.8**	**0.77**	<100	<100	<100	<100
92515075	MW-17_20210106	MW-17	01/06/2021	**9.5**	<0.5	<0.5	<0.5	<0.5	<1	**4**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92521555	MW-17_20210210	MW-17	02/10/2021	<5	**0.73**	<0.5	<0.5	<0.5	<1	**7.1**	<1	<0.5	<0.5	<0.5	<0.5	**1.1**	<2	<0.5	<2	<0.5	<2	<0.5	**1.4**	**6.2**	<1	**2**	**0.51**	<1	**6.3**	**4.3**	**2**	<100	<100	<100	<100
92526257	MW-17_20210308	MW-17	03/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**5.3**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	**0.77**	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92531853	MW-17_20210407	MW-17	04/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**2.7**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	**0.53**	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537153	MW-17_20210505	MW-17	05/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**2.7**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	**0.52**	<0.5	<1	<0.5	<0.5	<1	<1	<1	<0.5	<50	<50	<50	<50
92541992	MW-17_20210602	MW-17	06/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**2.9**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	**2.6**	<0.5	<2	<0.5	**0.51**	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548170	MW-17_20210707	MW-17	07/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**2.1**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	**0.49J**	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553519	MW-17_20210804	MW-17	08/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**3.1**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	**3.8**	<0.5	<2	<0.5	<2	<0.5	**0.69**	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559334	MW-17_20210902	MW-17	09/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**2.2**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564333	MW-17_20210930	MW-17	09/30/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	**2.0**	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	**0.33J**	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92494640	MW-18_20200909	MW-18	09/09/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501960	MW-18_20201023	MW-18	10/23/2020	**7.8**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**5**	<0.5	<2	<0.5	<2	**1.4**	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501960	DUP-3-20201023	MW-18	10/23/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**2.1**	<0.5	<2	<0.5	<2	**0.54**	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92508881	MW-18_20201201	MW-18	12/01/2020	**38.6**	**65.9**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**17.1**	**9.0**	<2	<0.5	<2	**4.9**	<2	<0.5	<0.5	**160**	<1	**2.5**	<0.5	<1	**44.6**	**26.4**	**18.2**	**987**	**155**	<100	**1,180**
92495905	MW-19_20200916	MW-19	09/16/2020	<5	**0.8**	<0.5	**3.3**	<0.5	<1	**30.8**	<1	<0.5	**0.79**	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	**2.4**	**1.4**	<1	<0.5	<0.5	<1	**0.53**	<1	**0.53**	<100	<100	<100	<100
92500605	MW-19_20201007	MW-19	10/07/2020	**7.8**	**0.9**	<0.5	<0.5	<0.5	<1	**24.5**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	**2.6**	**1.9**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501343	MW-19_20201020	MW-19	10/20/2020	**71.3**	<0.5	<0.5	<0.5	<0.5	<1	**8.9**	<1	<0.5	<0.5	<0.5	**1.3**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	**1.1**	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92509252	MW-19_20201202	MW-19	12/02/2020	**13.7**	<0.5	<0.5	**0.70**	<0.5	<1	**10.2**	<1	<0.5	<0.5	<0.5	**1.2**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	**1.4**	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92515075	MW-19_20210106	MW-19	01/06/2021	**115**	**171**	<0.5	<0.5	<0.5	<1	**6.4**	<1	<0.5	<0.5	<0.5	**34.2**	**1.2**	<2	<0.5	<2	**10.5**	<2	<0.5	**0.93**	**34**	<1	**3.4**	<0.5	<1	**47.9**	**21.7**	**26.2**	**406**	<100	<100	**509**
92521555	MW-19_20210210	MW-19	02/10/2021	<5	**658**	<2.5	<2.5	<2.5	<5	**3**	<5	<2.5	<2.5	<2.5	**83**	**23.9**	<10	<2.5	<10	**28**	**33.2**	<2.5	<2.5	**518**	<5	**43.9**	<2.5	<1	**388**	**225**	**163**	**3,080**	**724**	**158**	**3,960**
92526257	MW-19_20210308	MW-19	03/08/2021	<5	**2,140**	<10	<10	<10	<20	<10	<20	<10	<10	<10	**227**	**151**	<40	<10	<40	**65.7**	**155**	<10	<10	**2,440**	<20	**148**	<10	<20	**1,303**	**838**	**465**	**10,000**	**2,080**	**473**	**12,600**
92531225	MW-19_20210405	MW-19	04/05/2021	<5	**4,560**	<25	<25	<25	<50	<25	<50	<25	<25	<25	**445**	**367**	<100	<25	<100	**120**	<100	<25	<25	**7,000**	<50	**297**	<25	<50	**3,040**	**1,980**	**1,060**	**47,300**	**7,550**	**744**	**54,854**
92536746	MW-19_20210504	MW-19	05/04/2021	<5	**4,330**	<25	<25	<25	<50	<25	<50	<25	<25	<25	**346**	**358**	<100	<25	<100	**99.9**	**88.3J**	<25	<25	**6,300**	<50	**256**	<25	<50	**3,060**	**1,970**	**1,090**	**56,000**	**8,520**	<1,000	**64,500**
92541992	MW-19_20210602	MW-19	06/02/2021	<5	**3,400**	<12.5	<12.5	<12.5	<25	<12.5	<25	<12.5	<12.5	<12.5	**354**	**238**	<50	<12.5	<50	**80.5**	**43.8J**	<12.5	<12.5	**4,740**	<25	**224**	<12.5	<25	**2,459**	**1,590**	**869**	**38,600**	**6,190**	**652**	**44,800**
92548170	MW-19_20210707	MW-19	07/07/2021	<5	**4,280**	<20	<20	<20	<40	<20	<40	<20	<20	<20	**371**	**398**	<80	<20	<80	**76.9**	**68.5J**	<20	<20	**5,750**	<40	**289**	**68.9**	<40	**3,060**	**1,980**	**1,080**	**58,200**	**7,250**	<1,000	**66,300**
92553189	MW-19_20210803	MW-19	08/03/2021	<5	**4,090**	<20	<20	<20	<40	<20	<40	<20	<20	<20	**306**	**445**	<80	<20	<80	**60.8**	**63.6J**	<20	<20	**5,710**	<40	**283**	<20	<40	**3,040**	**1,980**	**1,060**	**58,900**	**7,110**	<1,000	**66,900**
92558742	MW-19_20210831	MW-19	08/31/2021	<5	**5,270**	<50	<50	<50	<100	<50	<100	<50	<50	<50	**287**	**864**	<200	<50	<200	**60.5**	**146J**	<50	<50	**10,500**	<100	**471**	**104**	<100	**5,130**	**3,350**	**1,780**	**78,300**	**11,600**	**1,330**	**91,200**

Table 5A
Summary of Monitoring Well Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Well ID	Sample Date	Metals (µg/L)	VOCs (µg/L)																									MADEP VPH (µg/L)			
				Lead	Benzene	Bromochloromethane	Bromodichloromethane	n-Butylbenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	Dibromochloromethane	1,2-Dichloroethane	Diisopropyl ether	Ethylbenzene	Hexachloro-1,3-butadiene	Isopropylbenzene (Cumene)	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	Xylene (Total)	m&p-Xylene	o-Xylene	C5 - C8 Aliphatics	C9 - C12 Aliphatics	C9 - C10 Aromatics	VPH (Total)
NCAC 2L Standards				**15**	**1**	**NE**	**0.6**	**70**	**3000**	**70**	**3**	**100**	**0.4**	**0.4**	**70**	**600**	**0.4**	**70**	**5**	**20**	**6**	**70**	**0.7**	**600**	**2000**	**400**	**400**	**0.03**	**500**	**500**	**500**	**400**	**700**	**200**	**NE**
IMAC Standards				**--**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
92564485	MW-19_20211001	MW-19	10/01/2021	<5.0	**2,500**	<20	<20	<20	<20	<20	<0.6	<20	<20	<20	**160**	**140**	<24	<20	<200	**42**	**48**	<20	<20	**4,000**	<20	**230**	**66**	<20	**2,680**	**1,700**	**980**	**12,000**	<1000	**1,400**	NA
92494640	MW-20_20200909	MW-20	09/09/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.77**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501960	MW-20_20201023	MW-20	10/23/2020	**12.5**	<0.5	<0.5	<0.5	<0.5	<1	**0.57**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92508881	MW-20_20201201	MW-20	12/01/2020	**26.1**	<0.5	<0.5	<0.5	<0.5	<1	**1.3**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92514598	MW-20_20210104	MW-20	01/04/2021	**24.4**	<0.5	<0.5	<0.5	<0.5	<1	**0.82**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**1.1**	<1	**2.2**	<0.5	<1	**2.36**	**1.5**	**0.86**	<100	<100	<100	<100
92521555	MW-20_20210210	MW-20	02/10/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**1.7**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<5	<1.5	<1	<0.5	**192**	<100	<100	**253**
92521555	DUP-1-20210210	MW-20	02/10/2021	**7.8**	<0.5	<0.5	<0.5	<0.5	<1	**1.8**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526977	MW-20_20210310	MW-20	03/10/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**2.0**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92530256	MW-20_20210407	MW-20	04/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**2.1**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537489	MW-20_20210506	MW-20	05/06/2021	<5	<0.5	<0.5	**0.45J**	<0.5	<1	**2.4**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542375	MW-20_20210603	MW-20	06/03/2021	<5	<0.5	<0.5	**0.52**	<0.5	<1	**2.8**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548168	MW-20_20210707	MW-20	07/07/2021	<5	**0.81**	<0.5	**0.58**	<0.5	<1	**3.3**	<1	<0.5	<0.5	<0.5	<0.5	**0.39J**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**0.81**	<1	<0.5	<0.5	<1	**2.32**	**1.6**	**0.72**	<50	<50	<50	<50
92553563	MW-20_20210804	MW-20	08/04/2021	<5	<0.5	<0.5	**0.67**	<0.5	<1	**3.7**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559014	MW-20_20210901	MW-20	09/01/2021	<5	<0.5	<0.5	**0.64**	<0.5	<1	**3.7**	<1	<0.5	<0.5	<0.5	**0.53**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92563804	MW-20_20210928	MW-20	09/28/2021	<5	<0.5	<0.5	**0.67**	<0.5	<0.5	**3.7**	<0.6	<0.5	<0.5	<0.5	**0.73**	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92495905	MW-21_20200916	MW-21	09/16/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	**8**	<1	<0.5	<0.5	<0.5	**1.2**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	**1.3**	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501343	MW-21_20201020	MW-21	10/20/2020	**8.1**	**38**	<0.5	<0.5	<0.5	<1	**5.8**	<1	<0.5	<0.5	<0.5	**12.2**	**2.2**	<2	<0.5	<2	**4.8**	<2	<0.5	**0.93**	**44.9**	<1	**2.3**	<0.5	<1	**21.9**	**14.2**	**7.7**	**187**	<100	<100	**251**
92508884	MW-21_20201201	MW-21	12/01/2020	**53.7**	**124**	<0.5	<0.5	<0.5	<1	**4.5**	<1	<0.5	<0.5	<0.5	**31.1**	**3.6**	<2	<0.5	<2	**12.2**	<2	<0.5	**0.82**	**46.8**	<1	**7.7**	<0.5	<1	**66.9**	**42.7**	**24.2**	**466**	**121**	<100	**630**
92515075	MW-21_20210106	MW-21	01/06/2021	<5	**726**	<2.5	<2.5	<2.5	<5	<2.5	<5	<2.5	<2.5	<2.5	**108**	**8**	<10	<2.5	<10	**50**	<10	<2.5	<2.5	**96.1**	<5	**28.9**	<2.5	<5	**196.5**	**128**	**68.5**	**2,210**	**456**	**122**	**2,790**
92521555	MW-21_20210210	MW-21	02/10/2021	<5	**1,030**	<5	<5	<5	<10	<5	<10	<5	<5	<5	**130**	**18.7**	<20	<5	<20	**68.7**	**23.3**	<5	<5	**524**	<10	**65.4**	<5	<1	**512**	**330**	**182**	**4,710**	**991**	**269**	**5,970**
92526257	MW-21_20210308	MW-21	03/08/2021	<5	**1,470**	<5	<5	<5	<10	<5	<10	<5	<5	<5	**192**	**20.7**	<20	<5	<20	**92.3**	**20.9**	<5	<5	**156**	<10	**47.7**	<5	<10	**298.4**	**207**	**91.4**	**4,420**	**480**	**236**	**5,140**
92531585	MW-21_20210406	MW-21	04/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**1.3**	<1	<0.5	<0.5	<0.5	**29.2**	<0.5	<2	<0.5	<2	**11.1**	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	**72.6**	**72.6**
92537153	MW-21_20210505	MW-21	05/05/2021	<5	**720**	<2.5	<2.5	<2.5	<5	<2.5	<5	<2.5	<2.5	<2.5	**105**	**4.7**	<10	<2.5	<10	**53.9**	**9.3J**	<2.5	<2.5	**33.8**	<5	**13.5**	<2.5	<5	**72.2**	**72.2**	**34**	**4,670**	**337**	**64.8**	**5,010**
92542352	MW-21_20210603	MW-21	06/03/2021	<5	**1,780**	<6.2	<6.2	<6.2	<12.5	<6.2	<12.5	<6.2	<6.2	<6.2	**249**	**8.5**	<25	<6.2	<25	**117**	**43.7**	<6.2	<6.2	**90.9**	<12.5	**32.6**	<6.2	<12.5	**265.3**	**174**	**91.3**	**10,500**	**714**	<125	**11,200**
92548170	MW-21_20210707	MW-21	07/07/2021	<5	**1,490**	<6.2	<6.2	<6.2	<12.5	<6.2	<12.5	<6.2	<6.2	<6.2	**181**	**6.1J**	<25	<6.2	<25	**87**	**22.2J**	<6.2	<6.2	**68.8**	<12.5	**26.4**	<6.2	<12.5	**260.9**	**161**	**99.9**	**9,300**	**611**	<200	**10,000**
92553189	MW-21_20210803	MW-21	08/03/2021	<5	**154**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**35.3**	<0.5	<2	<0.5	<2	**14.9**	**1.4J**	<0.5	<0.5	**2.2**	<1	**2.3**	**0.95**	<1	**13.9**	**4.8**	**9.1**	**1,050**	<50	<50	**1,080**
92558742	MW-21_20210831	MW-21	08/31/2021	<5	**0.81**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**2.9**	<0.5	<2	<0.5	<2	**0.71**	<2	<0.5	<0.5	**1.7**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564485	MW-21_20211001	MW-21	10/01/2021	<5.0	**620**	<5	<5	<5	<5	<5	<0.6	<5	<5	<5	**62**	**2.4J**	<6	**2.0J**	<50	**41**	**6.8**	<5	<5	**14**	<5	**2.2J**	**1.0J**	<5	**32**	**14**	**18**	**1,400**	<200	<200	NA
92494640	MW-22_20200909	MW-22	09/09/2020	<5	**14.5**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**4.4**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	**3.2**	<1	**3.2**	<100	<100	<100	<100
92500608	MW-22_20201007	MW-22	10/07/2020	**9.4**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**1.8**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501860	MW-22_20201022	MW-22	10/22/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**1.6**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**0.5**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92496816	MW-23_20200920	MW-23	09/20/2020	<5	<0.5	<0.5	**6.1**	<0.5	<1	**36.9**	<1	<0.5	**1.5**	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92531585	MW-23_20210406	MW-23	04/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92500605	MW-23R_20201007	MW-23	10/07/2020	**32.2**	<0.5	<0.5	**0.56**	<0.5	<1	**3.2**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501343	MW-23R_20201020	MW-23	10/20/2020	**94.4**	<0.5	<0.5	<0.5	<0.5	<1	**1.7**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92508884	MW-23_20201201	MW-23	12/01/2020	**24.7**	<0.5	<0.5	<0.5	<0.5	<1	**0.97**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92515075	MW-23_20210106	MW-23	01/06/2021	**85.1**	<0.5	<0.5	<0.5	<0.5	<1	**0.61**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92521555	MW-23_20210210	MW-23	02/10/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<10	<1.5	<1	<0.5	<100	<100	<100	<100
92526257	MW-23_20210308	MW-23	03/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92537153	MW-23_20210505	MW-23	05/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1	<1	<0.5	<50	<50	<50	<50
92542352	MW-23_20210603	MW-23	06/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548170	MW-23_20210707	MW-23	07/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553189	MW-23_20210803	MW-23	08/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559332	MW-23_20210902	MW-23	09/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564485	MW-23_20211001	MW-23	10/01/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92564485	DUP-1-20211001	MW-23	10/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92495103	MW-25_20200911	MW-25	09/11/2020	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100

Table 5A
Summary of Monitoring Well Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Well ID	Sample Date	Metals (µg/L)	VOCs (µg/L)																									MADEP VPH (µg/L)			
				Lead	Benzene	Bromochloromethane	Bromodichloromethane	n-Butylbenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	Dibromochloromethane	1,2-Dichloroethane	Diisopropyl ether	Ethylbenzene	Hexachloro-1,3-butadiene	Isopropylbenzene (Cumene)	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	Xylene (Total)	m&p-Xylene	o-Xylene	C5 - C8 Aliphatics	C9 - C12 Aliphatics	C9 - C10 Aromatics	VPH (Total)
NCAC 2L Standards				**15**	**1**	**NE**	**0.6**	**70**	**3000**	**70**	**3**	**100**	**0.4**	**0.4**	**70**	**600**	**0.4**	**70**	**5**	**20**	**6**	**70**	**0.7**	**600**	**2000**	**400**	**400**	**0.03**	**500**	**500**	**500**	**400**	**700**	**200**	**NE**
IMAC Standards				**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
92501960	MW-25_20201023	MW-25	10/23/2020	**97.9**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92508881	MW-25_20201201	MW-25	12/01/2020	**142**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92514598	MW-25_20210104	MW-25	01/04/2021	**160**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92521237	MW-25_20210209	MW-25	02/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.99**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526977	MW-25_20210310	MW-25	03/10/2021	**11.4**	<0.5	<0.5	<0.5	<0.5	<1	**1.5**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92532417	MW-25_20210408	MW-25	04/08/2021	**10.1**	<0.5	<0.5	<0.5	<0.5	<1	**1.4**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537489	MW-25_20210506	MW-25	05/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**1.3**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542375	MW-25_20210603	MW-25	06/03/2021	<5	<0.5	<0.5	**0.32J**	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548787	MW-25_20210709	MW-25	07/09/2021	<5	**3.9**	<0.5	**0.33J**	<0.5	<1	**1.9**	<1	<0.5	<0.5	<0.5	**0.73**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**1.2**	<1	**0.59**	<0.5	<1	**7.5**	**5.0**	**2.5**	<50	<50	<50	<50
92553563	MW-25_20210804	MW-25	08/04/2021	**25.6**	**9.7**	<0.5	**0.54J**	<0.5	<1	**2.5**	<1	<0.5	<0.5	<0.5	**3.1**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**9.3**	<1	<0.5	<0.5	<1	**9.8**	**5.3**	**4.5**	**136**	<50	<50	**166**
92559360	MW-25_20210902	MW-25	09/02/2021	<5	**95.9**	<0.5	<0.5	<0.5	<1	**2.3**	<1	<0.5	<0.5	<0.5	**5.8**	**8.7**	<2	**1.2**	<2	<0.5	**5.5**	<0.5	<0.5	**172**	<1	**24.7**	<0.5	<1	**239.8**	**157**	**82.8**	**1,840**	**535**	**69.4**	**2,450**
92564084	MW-25_20210929	MW-25	09/29/2021	<5.0	**66**	<0.5	**0.55**	**0.14J**	<0.5	**2.2**	<2	<0.5	<0.5	<0.5	**5.3**	**1.4**	<0.6	**1.3**	<5	**0.24J**	**4.1**	**0.10J**	<0.5	**130**	<0.5	**21**	**6.1**	<0.5	**224**	**140**	**84**	**690**	<100	**120**	NA
92494640	MW-26_20200909	MW-26	09/09/2020	<5	**7.7**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**1.3**	**1.8**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**22.6**	<1	**0.69**	<0.5	<1	**9.5**	**6.4**	**3.1**	<100	<100	<100	**114**
92494640	MW-27_20200909	MW-27	09/09/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501860	MW-27_20201022	MW-27	10/22/2020	**18.4**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92508536	MW-27_20201130	MW-27	11/30/2020	**24.8**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92514598	MW-27_20210104	MW-27	01/04/2021	**35.1**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92521237	MW-27_20210209	MW-27	02/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526977	MW-27_20210310	MW-27	03/10/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92532417	MW-27_20210408	MW-27	04/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537489	MW-27_20210506	MW-27	05/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542375	MW-27_20210603	MW-27	06/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548527	MW-27_20210708	MW-27	07/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92554137	MW-27_20210805	MW-27	08/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559014	MW-27_20210901	MW-27	09/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92563487	MW-27_20210927	MW-27	09/27/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92494923	MW-28_20200909	MW-28	09/09/2020	<25	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501355	MW-28_20201020	MW-28	10/20/2020	**27.6**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92509253	MW-28_20201202	MW-28	12/02/2020	**58.8**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92515075	MW-28_20210106	MW-28	01/06/2021	**45**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92521839	MW-28_20210211	MW-28	02/11/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526257	MW-28_20210308	MW-28	03/08/2021	**9.4**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92531853	MW-28_20210407	MW-28	04/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537153	MW-28_20210505	MW-28	05/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541992	MW-28_20210602	MW-28	06/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548170	MW-28_20210707	MW-28	07/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553519	MW-28_20210804	MW-28	08/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553519	DUP-1-20210804	MW-28	08/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559332	MW-28_20210902	MW-28	09/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564333	MW-28_20210930	MW-28	09/30/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92495241	MW-29_20200913	MW-29	09/13/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	**2.8**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501860	MW-29_20201022	MW-29	10/22/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.77**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92509560	MW-29_20201203	MW-29	12/03/2020	**23.7**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92514898	MW-29_20210105	MW-29	01/05/2021	**5.1**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92521237	MW-29_20210209	MW-29	02/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**1**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92514898	Dup-1-20210105	MW-29	01/05/2021	**5.6**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92527327	MW-29_20210311	MW-29	03/11/2021	<5	**2.3**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**1.2**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**6.3**	<1	<0.5	<0.5	<1	**2.74**	**1.8**	**0.94**	<50	<50	<50	<50

Table 5A
Summary of Monitoring Well Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Well ID	Sample Date	Metals (µg/L)	VOCs (µg/L)																									MADEP VPH (µg/L)			
				Lead	Benzene	Bromochloromethane	Bromodichloromethane	n-Butylbenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	Dibromochloromethane	1,2-Dichloroethane	Diisopropyl ether	Ethylbenzene	Hexachloro-1,3-butadiene	Isopropylbenzene (Cumene)	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	Xylene (Total)	m&p-Xylene	o-Xylene	C5 - C8 Aliphatics	C9 - C12 Aliphatics	C9 - C10 Aromatics	VPH (Total)
NCAC 2L Standards				**15**	**1**	**NE**	**0.6**	**70**	**3000**	**70**	**3**	**100**	**0.4**	**0.4**	**70**	**600**	**0.4**	**70**	**5**	**20**	**6**	**70**	**0.7**	**600**	**2000**	**400**	**400**	**0.03**	**500**	**500**	**500**	**400**	**700**	**200**	**NE**
IMAC Standards				**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
92532417	MW-29_20210409	MW-29	04/09/2021	<5	**12.1**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**15.8**	<0.5	<2	<0.5	<2	**0.7**	<2	<0.5	<0.5	**23.2**	<1	**0.59**	<0.5	<1	**9.6**	**5.9**	**3.7**	**191**	<50	<50	**191**
92537784	MW-29_20210507	MW-29	05/07/2021	<5	**785**	<5	<5	<5	<10	<5	<10	<5	<5	<5	**96.6**	**34**	<20	<5	<20	**8.9**	**7.4J**	<5	<5	**1,170**	<10	**45**	<5	<10	**597**	**381**	**216**	**8,060**	**1,250**	**151**	**9,310**
92542375	MW-29_20210603	MW-29	06/03/2021	<5	**1,170**	<10	<10	<10	<20	**10.7**	<20	**8.0J**	<10	**8.4J**	**161**	**38.6**	<40	<10	<40	**22.2**	**27.8J**	**6.6J**	<10	**2,400**	<20	**78.2**	<10	<20	**774**	**495**	**279**	**19,000**	**2,100**	<500	**21,100**
92548787	MW-29_20210709	MW-29	07/09/2021	<5	**2,000**	<12.5	<12.5	<12.5	<25	<12.5	<25	<12.5	<12.5	<12.5	**236**	**117**	<50	<12.5	<50	**43.3**	**24.6J**	<12.5	<12.5	**3,860**	<25	**133**	<12.5	<25	**1,380**	**901**	**479**	**28,300**	**2,870**	<500	**31,600**
92548787	DUP-2-20210709	MW-29	07/09/2021	<5	**1,950**	<12.5	<12.5	<12.5	<25	<12.5	<25	<12.5	<12.5	<12.5	**229**	**115**	<50	<12.5	**80**	**46.7**	**60.6**	<12.5	<12.5	**3,640**	<25	**137**	<12.5	<25	**1,310**	**853**	**457**	**31,100**	**3,250**	<500	**34,900**
92554137	MW-29_20210805	MW-29	08/05/2021	<5	**2,360**	<20	<20	<20	<40	<20	<40	<20	<20	<20	**278**	**122**	<80	<20	<80	**38**	**26.4J**	<20	<20	**4,970**	<40	**167**	<20	<40	**1,639**	**1080**	**559**	**42,800**	**4,580**	<1000	**48,100**
92559360	MW-29_20210902	MW-29	09/02/2021	<5	**2,380**	<20	<20	<20	<40	<20	<40	<20	<20	<20	**262**	**63.1**	<80	<20	<80	**32**	**42.7J**	<20	<20	**4,360**	<40	**158**	<20	<40	**1,722**	**1120**	**602**	**29,300**	**3,360**	<625	**33,100**
92495103	MW-30_20200911	MW-30	09/11/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501616	MW-30_20201021	MW-30	10/21/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.58**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92508536	MW-30_20201130	MW-30	11/30/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92514598	MW-30_20210104	MW-30	01/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92521237	MW-30_20210209	MW-30	02/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92521237	DUP-1-20210209	MW-30	02/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92527327	MW-30_20210311	MW-30	03/11/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92532417	MW-30_20210409	MW-30	04/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537784	MW-30_20210507	MW-30	05/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541993	MW-30_20210602	MW-30	06/02/2021	<5	**0.69**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**3.2**	<1	**0.66**	<0.5	<1	**8.9**	**6**	**2.9**	<50	<50	<50	<50
92548787	MW-30_20210709	MW-30	07/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553563	MW-30_20210804	MW-30	08/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559360	MW-30_20210902	MW-30	09/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564084	MW-30_20210929	MW-30	09/29/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92495239	MW-31_20200913	MW-31	09/13/2020	<5	**0.56**	<0.5	<0.5	<0.5	<1	**1.7**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**3.1**	<1	**0.61**	<0.5	<1	**3.5**	**2.3**	**1.2**	<100	<100	<100	<100
92500605	MW-31_20201007	MW-31	10/07/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	**3.0**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**0.5**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501343	MW-31_20201020	MW-31	10/20/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	**1.4**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92509252	MW-31_20201202	MW-31	12/02/2020	**12.2**	<0.5	<0.5	<0.5	<0.5	<1	**3.1**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92515075	MW-31_20210106	MW-31	01/06/2021	**16.6**	<0.5	<0.5	<0.5	<0.5	<1	**2.1**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92521555	MW-31_20210210	MW-31	02/10/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**1.3**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526257	MW-31_20210308	MW-31	03/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**1.0**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92531585	MW-31_20210406	MW-31	04/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.86**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92536746	MW-31_20210504	MW-31	05/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.58**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1	<1	<0.5	<50	<50	<50	<50
92542352	MW-31_20210603	MW-31	06/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.50**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	**0.79J**	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	**0.35J**	<1	**0.35J**	<50	<50	<50	<50
92548170	MW-31_20210707	MW-31	07/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.43J**	<1	<0.5	<0.5	<0.5	**0.91**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553189	MW-31_20210803	MW-31	08/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.36J**	<1	<0.5	<0.5	<0.5	**1.3**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553189	DUP-1-20210803	MW-31	08/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.43J**	<1	<0.5	<0.5	<0.5	**1.4**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558742	MW-31_20210831	MW-31	08/31/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.38J**	<1	<0.5	<0.5	<0.5	**0.48J**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558738	DUP-1-20210831	MW-31	08/31/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**0.43J**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564485	MW-31_20211001	MW-31	10/01/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	**0.27J**	<0.6	<0.5	<0.5	<0.5	**0.16J**	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92494864	MW-32_20200910	MW-32	09/10/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501860	MW-32_20201022	MW-32	10/22/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92508536	MW-32_20201130	MW-32	11/30/2020	**10.2**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92514598	MW-32_20210104	MW-32	01/04/2021	**16.5**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92520901	MW-32_20210208	MW-32	02/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92520901	DUP-1-20210208	MW-32	02/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526618	MW-32_20210309	MW-32	03/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92530256	MW-32_20210407	MW-32	04/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537489	MW-32_20210506	MW-32	05/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542611	MW-32_20210604	MW-32	06/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50

Table 5A
Summary of Monitoring Well Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Well ID	Sample Date	Metals (µg/L)	VOCs (µg/L)																									MADEP VPH (µg/L)			
				Lead	Benzene	Bromochloromethane	Bromodichloromethane	n-Butylbenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	Dibromochloromethane	1,2-Dichloroethane	Diisopropyl ether	Ethylbenzene	Hexachloro-1,3-butadiene	Isopropylbenzene (Cumene)	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	Xylene (Total)	m&p-Xylene	o-Xylene	C5 - C8 Aliphatics	C9 - C12 Aliphatics	C9 - C10 Aromatics	VPH (Total)
NCAC 2L Standards				**15**	**1**	**NE**	**0.6**	**70**	**3000**	**70**	**3**	**100**	**0.4**	**0.4**	**70**	**600**	**0.4**	**70**	**5**	**20**	**6**	**70**	**0.7**	**600**	**2000**	**400**	**400**	**0.03**	**500**	**500**	**500**	**400**	**700**	**200**	**NE**
IMAC Standards				**--**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
92548787	MW-32_20210709	MW-32	07/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92554137	MW-32_20210805	MW-32	08/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559014	MW-32_20210901	MW-32	09/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92563804	MW-32_20210928	MW-32	09/28/2021	**4.6J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92494640	MW-33_20200909	MW-33	09/09/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501860	MW-33_20201022	MW-33	10/22/2020	**16.6**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92508536	MW-33_20201130	MW-33	11/30/2020	**11.0**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92514598	MW-33_20210104	MW-33	01/04/2021	**14.3**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92520901	MW-33_20210208	MW-33	02/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526618	MW-33_20210309	MW-33	03/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92530256	MW-33_20210407	MW-33	04/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537489	MW-33_20210506	MW-33	05/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541993	MW-33_20210602	MW-33	06/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548787	MW-33_20210709	MW-33	07/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92554137	MW-33_20210805	MW-33	08/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559014	MW-33_20210901	MW-33	09/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92563804	MW-33_20210928	MW-33	09/28/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92494640	MW-34_20200909	MW-34	09/09/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501860	MW-34_20201022	MW-34	10/22/2020	**5.7**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92508536	MW-34_20201130	MW-34	11/30/2020	**6.0**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92514598	MW-34_20210104	MW-34	01/04/2021	**10.9**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92520901	MW-34_20210208	MW-34	02/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526618	MW-34_20210309	MW-34	03/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92530256	MW-34_20210407	MW-34	04/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537159	MW-34_20210505	MW-34	05/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541993	MW-34_20210602	MW-34	06/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548527	MW-34_20210708	MW-34	07/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548527	DUP-1-20210708	MW-34	07/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553563	MW-34_20210804	MW-34	08/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559014	MW-34_20210901	MW-34	09/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92563804	MW-34_20210928	MW-34	09/28/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	**0.34J**	**0.19**	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92494864	MW-35_20200910	MW-35	09/10/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501616	MW-35_20201021	MW-35	10/21/2020	**9.1**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92508536	MW-35_20201130	MW-35	11/30/2020	**12.2**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92514598	MW-35_20210104	MW-35	01/04/2021	**13.8**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92520901	MW-35_20210208	MW-35	02/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526618	MW-35_20210309	MW-35	03/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92531581	MW-35_20210406	MW-35	04/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537489	MW-35_20210506	MW-35	05/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542611	MW-35_20210604	MW-35	06/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548787	MW-35_20210709	MW-35	07/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92554137	MW-35_20210805	MW-35	08/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559014	MW-35_20210901	MW-35	09/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92563487	MW-35_20210927	MW-35	09/27/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92494864	MW-36_20200910	MW-36	09/10/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501616	MW-36_20201021	MW-36	10/21/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92508536	MW-36_20201130	MW-36	11/30/2020	**18.4**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100

Table 5A
Summary of Monitoring Well Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Well ID	Sample Date	Metals (µg/L)	VOCs (µg/L)																									MADEP VPH (µg/L)			
				Lead	Benzene	Bromochloromethane	Bromodichloromethane	n-Butylbenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	Dibromochloromethane	1,2-Dichloroethane	Diisopropyl ether	Ethylbenzene	Hexachloro-1,3-butadiene	Isopropylbenzene (Cumene)	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	Xylene (Total)	m&p-Xylene	o-Xylene	C5 - C8 Aliphatics	C9 - C12 Aliphatics	C9 - C10 Aromatics	VPH (Total)
NCAC 2L Standards				**15**	**1**	**NE**	**0.6**	**70**	**3000**	**70**	**3**	**100**	**0.4**	**0.4**	**70**	**600**	**0.4**	**70**	**5**	**20**	**6**	**70**	**0.7**	**600**	**2000**	**400**	**400**	**0.03**	**500**	**500**	**500**	**400**	**700**	**200**	**NE**
IMAC Standards				**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
92514598	MW-36_20210104	MW-36	01/04/2021	**6.9**	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92521555	MW-36_20210210	MW-36	02/10/2021	<5	**3.1**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	**1.9**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**12.7**	<1	**3.7**	**1**	<1	**10**	**6.9**	**3.1**	<100	<100	<100	**149**
92526977	MW-36_20210310	MW-36	03/10/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92530256	MW-36_20210407	MW-36	04/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537489	MW-36_20210506	MW-36	05/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542375	MW-36_20210603	MW-36	06/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	**0.33J**	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548527	MW-36_20210708	MW-36	07/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	**0.3J**	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92554285	MW-36_20210806	MW-36	08/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559360	MW-36_20210902	MW-36	09/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	**0.38J**	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559360	DUP-2-20210902	MW-36	9/2/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	**0.39J**	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92563804	MW-36_20210928	MW-36	9/28/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.27J**	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92494864	MW-37_20200910	MW-37	09/10/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501616	MW-37_20201021	MW-37	10/21/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92508536	MW-37_20201130	MW-37	11/30/2020	**9.0**	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92514598	MW-37_20210104	MW-37	01/04/2021	**9.7**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92495907	MW-38_20200916	MW-38	09/16/2020	<5	**3.4**	<0.5	**0.74**	<0.5	<1	**4.3**	<1	<0.5	<0.5	<0.5	**2**	<0.5	<2	<0.5	<2	**0.78**	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501960	MW-38_20201023	MW-38	10/23/2020	<5	**30.9**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**28.4**	**3.4**	<2	<0.5	<2	**12.2**	<2	<0.5	<0.5	**70.3**	<1	<0.5	<0.5	<1	**13.2**	**6.3**	**6.9**	**231**	<100	<100	**291**
92509560	MW-38_20201203	MW-38	12/03/2020	**22.4**	**125**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**50.4**	**14.1**	<2	<0.5	<2	**19.0**	<2	<0.5	<0.5	**152**	<1	**3.9**	<0.5	<1	**76.5**	**45.7**	**30.8**	**681**	**153**	<100	**885**
92509560	Dup-3-20201203	MW-38	12/03/2020	**24.6**	**134**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**51.8**	**14.6**	<2	<0.5	<2	**19.3**	<2	<0.5	<0.5	**162**	<1	**4.2**	<0.5	<1	**84**	**50.1**	**33.9**	**761**	**162**	<100	**969**
92515544	MW-38_20210107	MW-38	01/07/2021	**13.2**	**78.1**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**37.7**	**8.5**	<2	<0.5	<2	**13.8**	<2	<0.5	<0.5	**79.5**	<1	**3.7**	<0.5	<1	**54.6**	**34**	**20.6**	**389**	**107**	<100	**532**
92521237	MW-38_20210209	MW-38	02/09/2021	<5	**121**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**59.7**	**4.9**	<2	<0.5	<2	**22.2**	<2	<0.5	<0.5	**39.1**	<1	**5.1**	<0.5	<1	**79.8**	**47.8**	**32**	**443**	**135**	<100	**622**
92526977	MW-38_20210310	MW-38	03/10/2021	<5	**375**	<2	<2	<2	<4	<2	<4	<2	<2	<2	**85.4**	**42.4**	<8	<2	<8	**33.4**	**18.1**	<2	<2	**323**	<4	**29.8**	<2	<4	**290**	**189**	**101**	**1,770**	**619**	<100	**2,490**
92526977	DUP-1-20210310	MW-38	03/10/2021	<5	**377**	<2	<2	<2	<4	<2	<4	<2	<2	<2	**89.7**	**42.4**	<8	<2	<8	**35.1**	<8	<2	<2	**327**	<4	**22.8**	<2	<4	**300**	**195**	**105**	**1,570**	**464**	<100	**2,100**
92530256	MW-38_20210407	MW-38	04/07/2021	<5	**644**	<2.5	<2.5	<2.5	<5	<2.5	<5	<2.5	<2.5	<2.5	**136**	**68.1**	<10	<2.5	<10	**50.2**	**11.8**	<2.5	<2.5	**473**	<5	**46.9**	<2.5	<5	**453**	**299**	**154**	**5,570**	**1,400**	**126**	**6,966**
92537489	MW-38_20210506	MW-38	05/06/2021	<5	**978**	<5	<5	<5	<10	<5	<10	<5	<5	<5	**159**	**107**	<20	<5	<20	**72.7**	**13.1J**	<5	<5	**743**	<10	**53**	<5	<10	**713**	**463**	**250**	**8,950**	**2,100**	**198**	**11,000**
92542375	MW-38_20210603	MW-38	06/03/2021	<5	**1,320**	<5	<5	<5	<10	<5	<10	<5	<5	<5	**230**	**147**	<20	**4.4J**	<20	**87.8**	**16.5J**	<5	<5	**727**	<10	**75**	<5	<10	**935**	**615**	**320**	**11,100**	**2,600**	**236**	**13,700**
92548168	MW-38_20210707	MW-38	07/07/2021	<5	**1,630**	<5	<5	<5	<10	<5	<10	<5	<5	<5	**264**	**205**	<20	**5.7J**	<20	**109**	**23.8**	<5	<5	**780**	<10	**99.9**	**26**	<10	**1,225**	**805**	**420**	**13,400**	**2,840**	**321**	**16,660**
92548168	DUP-1-20210707	MW-38	07/07/2021	<5	**1,630**	<6.2	<6.2	<6.2	<12.5	<6.2	<12.5	<6.2	<6.2	<6.2	**271**	**209**	<25	**5.7J**	<25	**113**	**25.1**	<6.2	<6.2	**795**	<12.5	**106**	**27.6**	<12.5	**1,256**	**829**	**427**	**14,700**	**3,070**	**356**	**18,100**
92553563	MW-38_20210804	MW-38	08/04/2021	**31.2**	**1,920**	<5	<5	<5	<10	<5	<10	<5	<5	<5	**302**	**150**	<20	**3.9J**	<20	**134**	**18.1J**	<5	<5	**494**	<10	**51.8**	**13.8**	<10	**892**	**557**	**335**	**15,200**	**2,530**	**243**	**17,900**
92559360	MW-38_20210902	MW-38	09/02/2021	**4.7J**	**2,270**	<6.2	<6.2	<6.2	<12.5	<6.2	<12.5	<6.2	<6.2	<6.2	**324**	**307**	<25	**9.0**	<25	**115**	**64.6**	<6.2	<6.2	**822**	<12.5	**163**	<6.2	<12.5	**1,948**	**1,290**	**658**	**15,600**	**3,890**	**395**	**19,900**
92495906	MW-39_20200916	MW-39	09/16/2020	<5	**966**	<5	<5	<5	<10	**13.9**	<10	<5	<5	<5	**83.3**	**124**	<20	<5	<20	**10.8**	<20	<5	<5	**1,980**	<10	**61.1**	<5	<10	**616**	**407**	**209**	**4,280**	**732**	**177**	**5,190**
92495100	MW-40_20200911	MW-40	09/11/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**3.2**	<0.5	<2	<0.5	<2	**1.3**	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501343	MW-40_20201020	MW-40	10/20/2020	**9.1**	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92508884	MW-40_20201201	MW-40	12/01/2020	**47.9**	**416**	<2.5	<2.5	<2.5	<5	<2.5	<5	<2.5	<2.5	<2.5	**27.7**	**37.7**	<10	<2.5	<10	**3.2**	<10	<2.5	<2.5	**829**	<5	**71.1**	<2.5	<5	**617**	**404**	**213**	**2,770**	**1,070**	**323**	**4,070**
92515075	MW-40_20210106	MW-40	01/06/2021	**32.4**	**1,870**	<12.5	<12.5	<12.5	<25	<12.5	<25	<12.5	<12.5	<12.5	**146**	**252**	<50	<12.5	<50	**20**	**78.4**	<12.5	<12.5	**4,460**	<25	**355**	<12.5	<25	**1,942**	**1,280**	**662**	**12,100**	**6,890**	**1,430**	**20,400**
92495103	MW-41_20200911	MW-41	09/11/2020	<10	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**0.72**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501960	MW-41_20201023	MW-41	10/23/2020	**18.2**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**2.3**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92509560	MW-41_20201203	MW-41	12/03/2020	**13.6**	**5.3**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**1.6**	**0.68**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**8.5**	<1	<0.5	<0.5	<1	**4.7**	**3.0**	**1.7**	<100	<100	<100	<100
92514898	MW-41_20210105	MW-41	01/05/2021	**70.9**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92521555	MW-41_20210210	MW-41	02/10/2021	<5	**16.1**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**5.4**	<0.5	<2	<0.5	<2	**1.4**	<2	<0.5	<0.5	**0.81**	<1	**1**	<0.5	<1	**11.7**	**7.2**	**4.5**	**119**	<100	<100	**175**
92527327	MW-41_20210311	MW-41	03/11/2021	<5	**64.3**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**12.6**	<0.5	<2	<0.5	<2	**3.1**	<2	<0.5	<0.5	**4.4**	<1	**3.1**	<0.5	<1	**32.8**	**16.1**	**16.7**	**343**	**66.3**	<50	**62.7**
92532417	MW-41_20210408	MW-41	04/08/2021	<5	**7.2**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**3.4**	<0.5	<2	<0.5	<2	**0.76**	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	**2.5**	**1.1**	**1.4**	<50	<50	<50	<50
92537784	MW-41_20210507	MW-41	05/07/2021	**4.6J**	**0.87**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**0.71**	<0.5	<2	<0.5	<2	<0.5	**0.81J**	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	**0.44J**	<1	**0.44J**	<50	<50	<50	<50
92542611	MW-41_20210604	MW-41	06/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548527	MW-41_20210708	MW-41	07/08/2021	**5.1**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553563	MW-41_20210804	MW-41	08/04/2021	<5	**1.5**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**0.32J**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	**0.45J**	<1	**0.45J**	<50	<50	<50	<50
92559360	MW-41_20210902	MW-41	09/02/2021	<5	**15.5**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**3.8J**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**9.0**	<1	<0.5	<0.5	<1	**9.8**	**4.5**	**5.3J**	**108**	<50	<50	**123**

Table 5A
Summary of Monitoring Well Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Well ID	Sample Date	Metals (µg/L)	VOCs (µg/L)																								MADEP VPH (µg/L)			
				Lead	Benzene	Bromochloromethane	Bromodichloromethane	n-Butylbenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	Dibromochloromethane	1,2-Dichloroethane	Diisopropyl ether	Ethylbenzene	Hexachloro-1,3-butadiene	Isopropylbenzene (Cumene)	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	Xylene (Total)	m&p-Xylene	o-Xylene	C5 - C8 Aliphatics	C9 - C12 Aliphatics	C9 - C10 Aromatics	VPH (Total)
NCAC 2L Standards				**15**	**1**	**NE**	**0.6**	**70**	**3000**	**70**	**3**	**100**	**0.4**	**0.4**	**70**	**600**	**0.4**	**70**	**5**	**20**	**6**	**70**	**0.7**	**600**	**2000**	**400**	**400**	**0.03**	**500**	**500**	**500**	**400**	**700**	**200**	**NE**
IMAC Standards				**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
92564336	MW-41_20210929	MW-41	09/29/2021	<5	**6.2**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	**1.0**	**0.73**	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	**9.5**	<0.5	<0.5	<0.5	<0.5	**3.4**	**1.9**	**1.5**	<100	<100	<100	NA
92495626	MW-42_20200915	MW-42	09/15/2020	<5	**1.3**	<0.5	**1.9**	<0.5	<1	**23.8**	<1	<0.5	<0.5	<0.5	<0.5	**2.4**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**10.8**	<1	**5.3**	**1.4**	<1	**19.5**	**13.3**	**6.2**	<100	<100	<100	**150**
92500606	MW-42_20201007	MW-42	09/13/2020	<5	**0.78**	<0.5	**0.7**	<0.5	<1	**23.9**	<1	<0.5	<0.5	<0.5	<0.5	**0.75**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**1.8**	<1	**1.3**	<0.5	<1	**8.5**	**4.9**	**3.6**	<100	<100	<100	<100
92501344	MW-42_20201020	MW-42	10/20/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	**15.5**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92509255	MW-42_20201202	MW-42	12/02/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	**10.6**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92515387	MW-42_20210107	MW-42	01/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**6.8**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92522125	MW-42_20210212	MW-42	02/12/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**5.3**	<1	<0.5	<0.5	<0.5	<0.5	**1.6**	<2	<0.5	<2	<0.5	**4.4**	<0.5	<0.5	**3.3**	<1	**14.8**	**3.9**	<1	**10.9**	**7.3**	**3.6**	<100	<100	**123**	**252**
92526617	MW-42_20210309	MW-42	03/09/2021	**5.0**	<0.5	<0.5	<0.5	<0.5	<1	**6**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92531227	MW-42_20210405	MW-42	04/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**4**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92536429	MW-42_20210503	MW-42	05/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**3.7**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	**0.88J**	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	**1.13J**	**0.74J**	**0.39J**	<50	<50	<50	<50
92541705	MW-42_20210601	MW-42	06/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**3**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92547901	MW-42_20210706	MW-42	07/06/2021	**5.3**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92552929	MW-42_20210802	MW-42	08/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**1.6**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558450	MW-42_20210830	MW-42	08/30/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**1.7**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1	<1	<0.5	<50	<50	<50	<50
92564679	MW-42_20211004	MW-42	10/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.84**	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92495907	MW-43_20200916	MW-43	09/16/2020	<5	<0.5	<0.5	**1.8**	<0.5	<1	**12.1**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**1.4**	<1	**0.58**	<0.5	<1	**2.33**	**1.5**	**0.83**	<100	<100	<100	<100
92501960	MW-43_20201023	MW-43	10/23/2020	<5	<0.5	<0.5	**0.51**	<0.5	<1	**5.8**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92509250	MW-43_20201202	MW-43	12/02/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	**2.1**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92514898	MW-43_20210105	MW-43	01/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**1.2**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92521237	MW-43_20210209	MW-43	02/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.59**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92527475	MW-43_20210312	MW-43	03/12/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92532417	MW-43_20210408	MW-43	04/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537784	MW-43_20210507	MW-43	05/07/2021	**7.7**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	**0.55J**	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542375	MW-43_20210603	MW-43	06/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	**0.48J**	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548527	MW-43_20210708	MW-43	07/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	**0.46J**	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92554137	MW-43_20210805	MW-43	08/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	**0.58J**	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559360	MW-43_20210902	MW-43	09/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	**0.77J**	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564336	MW-43_20210929	MW-43	09/29/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.63**	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92495627	MW-44_20200915	MW-44	09/15/2020	**34.6**	**11.2**	<0.5	<0.5	<0.5	<1	**18.5**	<1	<0.5	<0.5	<0.5	<0.5	**8.4**	<2	<0.5	<2	<0.5	**2.1**	<0.5	<0.5	**77.1**	<1	**4.3**	**0.58**	<1	**35**	**21.3**	**13.7**	**155**	<100	<100	**252**
92501345	MW-44_20201020	MW-44	10/20/2020	<5	**0.6**	<0.5	<0.5	<0.5	<1	**1.2**	<1	<0.5	<0.5	<0.5	<0.5	**0.53**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**3**	<1	**0.77**	<0.5	<1	**4.1**	**2.7**	**1.4**	<100	<100	<100	<100
92508886	MW-44_20201201	MW-44	12/02/2020	**8.9**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**1.4**	<1	**0.55**	<0.5	<1	**1.86**	**1.3**	**0.56**	<100	<100	<100	<100
92514892	MW-44_20210105	MW-44	01/05/2021	**54.4**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92522126	MW-44_20210212	MW-44	02/12/2021	**7.2**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92527474	MW-44_20210312	MW-44	03/12/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92531580	MW-44_20210406	MW-44	04/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92536726	MW-44_20210504	MW-44	05/04/2021	**18**	**2**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**3.1**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	**63.8**	<50	<50	**67**
92541991	MW-44_20210602	MW-44	06/02/2021	**19.1**	**6.1**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	**0.44J**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**12.4**	<1	<0.5	<0.5	<1	**2.14**	**1.8**	**0.34J**	**91.3**	<50	<50	**97.8**
92548169	MW-44_20210707	MW-44	07/07/2021	<5	**5.2**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**10.0**	<1	<0.5	<0.5	<1	**2.13**	**1.7**	**0.43J**	**88.4**	<50	<50	**96.9**
92553185	MW-44_20210803	MW-44	08/03/2021	**8.6**	**3.8**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	**0.81**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**25.1**	<1	<0.5	**0.4J**	<1	**10**	**7.7**	**2.3**	**210**	<50	<50	**240**
92558740	MW-44_20210831	MW-44	08/31/2021	**7.3**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564678	MW-44_20211004	MW-44	10/04/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92495624	MW-45_20200915	MW-45	09/15/2020	<5	**2.8**	<0.5	**1.4**	<0.5	<1	**20**	<1	<0.5	<0.5	<0.5	<0.5	**3.1**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**27.8**	<1	**4.5**	**1.1**	<1	**26.1**	**17.7**	**8.4**	<100	<100	<100	**154**
92499587	MW-45_20201007	MW-45	10/07/2020	<5	**1**	<0.5	**0.64**	<0.5	<1	**15.8**	<1	<0.5	<0.5	<0.5	<0.5	**0.88**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**6.2**	<1	**1.4**	<0.5	<1	**10.4**	**6.7**	**3.7**	<100	<100	<100	<100
92501345	MW-45_20201020	MW-45	10/20/2020	**39.5**	<0.5	<0.5	**0.58**	<0.5	<1	**11.7**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**0.91**	<1	<0.5	<0.5	<1	**2.04**	**1.3**	**0.74**	<100	<100	<100	<100
92509251	MW-45_20201202	MW-45	12/02/2020	**12.6**	<0.5	<0.5	<0.5	<0.5	<1	**5.9**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92514892	MW-45_20210105	MW-45	01/05/2021	**12.8**	<0.5	<0.5	<0.5	<0.5	<1	**4.6**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92522126	MW-45_20210212	MW-45	02/12/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**3.8**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100

Table 5A
Summary of Monitoring Well Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Well ID	Sample Date	Metals (µg/L)	VOCs (µg/L)																									MADEP VPH (µg/L)			
				Lead	Benzene	Bromochloromethane	Bromodichloromethane	n-Butylbenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	Dibromochloromethane	1,2-Dichloroethane	Diisopropyl ether	Ethylbenzene	Hexachloro-1,3-butadiene	Isopropylbenzene (Cumene)	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	Xylene (Total)	m&p-Xylene	o-Xylene	C5 - C8 Aliphatics	C9 - C12 Aliphatics	C9 - C10 Aromatics	VPH (Total)
NCAC 2L Standards				**15**	**1**	**NE**	**0.6**	**70**	**3000**	**70**	**3**	**100**	**0.4**	**0.4**	**70**	**600**	**0.4**	**70**	**5**	**20**	**6**	**70**	**0.7**	**600**	**2000**	**400**	**400**	**0.03**	**500**	**500**	**500**	**400**	**700**	**200**	**NE**
IMAC Standards				**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
92522126	DUP-1-20210212	MW-45	02/12/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**3.7**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92527474	MW-45_20210312	MW-45	03/12/2021	**6.1**	<0.5	<0.5	<0.5	<0.5	<1	**3.3**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92531580	MW-45_20210406	MW-45	04/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**2.1**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92536726	MW-45_20210504	MW-45	05/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**1.7**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541703	MW-45_20210601	MW-45	06/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**1.1**	<1	<0.5	<0.5	<0.5	**0.39J**	<0.5	<2	<0.5	<2	<0.5	**0.71J**	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	**1.08J**	**0.73J**	**0.35J**	<50	<50	<50	<50
92547899	MW-45_20210706	MW-45	07/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.61**	<1	<0.5	<0.5	<0.5	**0.65**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553065	MW-45_20210802	MW-45	08/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.43J**	<1	<0.5	<0.5	<0.5	**0.84**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558446	MW-45_20210830	MW-45	08/30/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**0.68**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1	<1	<0.5	<50	<50	<50	<50
92564488	MW-45_20211001	MW-45	10/01/2021	**10.8**	<0.5	<0.5	<0.5	<0.5	<0.5	**0.21J**	<0.60	<0.5	<0.5	<0.5	**0.2J**	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92495627	MW-46_20200915	MW-46	09/15/2020	<5	**1.6**	<0.5	**2.5**	<0.5	<1	**26.2**	<1	<0.5	**0.58**	<0.5	<0.5	**3.1**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**17.3**	<1	**3.7**	**0.83**	<1	**22.1**	**15.5**	**6.6**	<100	<100	<100	**114**
92501345	MW-46_20201020	MW-46	10/20/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	**17.6**	<1	<0.5	<0.5	<0.5	<0.5	**0.52**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**1.2**	<1	**1.4**	<0.5	<1	**4.9**	**3.6**	**1.3**	<100	<100	<100	<100
92509251	MW-46_20201202	MW-46	12/02/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	**10.9**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92515216	MW-46_20210106	MW-46	01/06/2021	**13.3**	<0.5	<0.5	<0.5	<0.5	<1	**5.2**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92521851	MW-46_20210211	MW-46	02/11/2021	<5	**0.74**	<0.5	<0.5	<0.5	<1	**2.4**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**0.7**	<1	<0.5	<0.5	<1	**2.17**	**1.3**	**0.87**	<100	<100	<100	**118**
92531580	MW-46_20210406	MW-46	04/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**1.6**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92536428	MW-46_20210503	MW-46	05/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**1.5**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541703	MW-46_20210601	MW-46	06/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**1.8**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548169	MW-46_20210706	MW-46	07/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.55**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553185	MW-46_20210803	MW-46	08/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.64**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558740	MW-46_20210831	MW-46	08/31/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564678	MW-46_20211004	MW-46	10/04/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	**0.29J**	<0.5	<0.5	<0.5	<0.5	**0.47J**	**0.26J**	**0.21J**	<100	<100	<100	NA
92495627	MW-47_20200915	MW-47	09/15/2020	**6.3**	<0.5	<0.5	**2**	<0.5	<1	**16.5**	<1	<0.5	<0.5	<0.5	<0.5	**1.4**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**6.3**	<1	**1.5**	<0.5	<1	**7.6**	**5.2**	**2.4**	<100	<100	<100	<100
92496397	MW-48_20200918	MW-48	09/18/2020	**9.6**	**1.2**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501860	MW-48_20201022	MW-48	10/22/2020	**19.8**	**40.4**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**19**	**4.1**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**63.3**	<1	**1.7**	<0.5	<1	**19.9**	**12**	**7.9**	**1,270**	<100	<100	**1,300**
92501860	DUP-2-20201022	MW-48	10/22/2020	**27.4**	**37.1**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**17.2**	**3.6**	<2	<0.5	<2	**5.8**	<2	<0.5	<0.5	**58.7**	<1	**1.5**	<0.5	<1	**17.6**	**10.7**	**6.9**	**1,030**	<100	<100	**1,060**
92496817	MW-49_20200922	MW-49	09/22/2020	**5.5**	<0.5	<0.5	**1**	<0.5	<1	**11.7**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**1.1**	<1	<0.5	<0.5	<1	**2.7**	**1.6**	**1.1**	<100	<100	<100	<100
92499587	MW-49_20201007	MW-49	10/07/2020	<5	**0.61**	<0.5	<0.5	<0.5	<1	**2.2**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501345	MW-49_20201020	MW-49	10/20/2020	**34.4**	<0.5	<0.5	<0.5	<0.5	<1	**1.6**	<1	<0.5	<0.5	<0.5	**0.65**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92509251	MW-49_20201202	MW-49	12/02/2020	**16.2**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**3.4**	<0.5	<2	<0.5	<2	**1.4**	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92515548	MW-49_20210107	MW-49	01/07/2021	**31**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**7**	<0.5	<2	<0.5	<2	**2.9**	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92522126	MW-49_20210212	MW-49	02/12/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**8.3**	<0.5	<2	<0.5	<2	**4.1**	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92527474	MW-49_20210312	MW-49	03/12/2021	**20.2**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**3.4**	<0.5	<2	<0.5	<2	**1.5**	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92531580	MW-49_20210406	MW-49	04/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**1.3**	<0.5	<2	<0.5	<2	**0.58**	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92536726	MW-49_20210504	MW-49	05/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.69**	<1	<0.5	<0.5	<0.5	**0.99**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541991	MW-49_20210602	MW-49	06/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.66**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92547899	MW-49_20210706	MW-49	07/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.44J**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553065	MW-49_20210802	MW-49	08/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.46J**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558446	MW-49_20210830	MW-49	08/30/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1	<1	<0.5	<50	<50	<50	<50
92564488	MW-49_20211001	MW-49	10/01/2021	**4.8J**	**0.19J**	<0.5	<0.5	<0.5	<0.5	**0.43J**	<0.60	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	**0.48J**	<0.5	<0.5	<0.5	<0.5	**0.58J**	**0.39J**	**0.19J**	<100	<100	<100	NA
92497017	MW-50_20200922	MW-50	09/22/2020	**6.7**	**205**	<2	<2	<2	<4	**5.9**	<4	<2	<2	<2	**37.2**	**20.2**	<8	<2	<8	**24.3**	<8	<2	<2	**375**	<4	**11**	<2	<4	**131.5**	**77.3**	**54.2**	**1,570**	**284**	<100	**1,930**
92501345	MW-50_20201020	MW-50	10/20/2020	**19.2**	**1,370**	<6.2	<6.2	<6.2	<12.5	<6.2	<12.5	<6.2	<6.2	<6.2	**208**	**144**	<25	<6.2	**35.8**	**138**	<25	<6.2	<6.2	**1,980**	<12.5	**89.2**	<6.2	<12.5	**947**	**611**	**336**	**7,750**	**1,990**	**398**	**10,100**
92509251	MW-50_20201202	MW-50	12/02/2020	<5	**3,730**	<10	<10	<10	<20	<10	<20	<10	<10	<10	**482**	**406**	<40	**10.3**	<40	**287**	**68.3**	<10	<10	**3,760**	<20	**270**	<10	<20	**2,912**	**1,950**	**962**	**18,700**	**5,620**	**934**	**6,550**
92515216	MW-50_20210106	MW-50	01/06/2021	**18.2**	**4,670**	<25	<25	<25	<50	<25	<50	<25	<25	<25	**587**	**552**	<100	<25	<100	**392**	**111**	<25	<25	**6,590**	<50	**450**	<25	<50	**3,690**	**2,460**	**1,230**	**25,900**	**8,140**	**1,210**	**35,300**
92522126	MW-50_20210212	MW-50	02/12/2021	<5	**996**	<5	<5	<5	<10	<5	<10	<5	<5	<5	**161**	**37.5**	<20	<5	<20	**116**	**54**	<5	<5	**467**	<10	**127**	<5	<10	**1,080**	**713**	**367**	**5,030**	**2,420**	<1000	**8,160**
92527474	MW-50_20210312	MW-50	03/12/2021	**5.8**	**844**	<2.5	<2.5	<2.5	<5	<2.5	<5	<2.5	<2.5	<2.5	**113**	**43**	<10	**2.7**	<10	**59.6**	**45.8**	<2.5	<2.5	**647**	<5	**125**	<2.5	<5	**1,149**	**750**	**399**	**7,570**	**2,460**	**339**	**2,120**
92531580	MW-50_20210406	MW-50	04/06/2021	<5	**701**	<2.5	<2.5	<2.5	<5	<2.5	<5	<2.5	<2.5	<2.5	**114**	**4.0**	<10	<2.5	<10	**46.9**	**14.1**	<2.5	<2.5	**290**	<5	**89.2**	<2.5	<5	**885**	**563**	**322**	**6,130**	**2,170**	**263**	**8,303**
92536428	MW-50_20210503	MW-50	05/03/2021	<5	**1,250**	<5	<5	<5	<10	<5	<10	<5	<5	<5	**137**	**57.1**	<20	<5	**44.2**	**38.1**	**32**	<5	<5	**1,310**	<10	**171**	<5	<10	**1,536**	**1,010**	**526**	**13,500**	**4,060**	**491**	**17,500**

Table 5A
Summary of Monitoring Well Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Well ID	Sample Date	Metals (µg/L)	VOCs (µg/L)																									MADEP VPH (µg/L)			
				Lead	Benzene	Bromochloromethane	Bromodichloromethane	n-Butylbenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	Dibromochloromethane	1,2-Dichloroethane	Diisopropyl ether	Ethylbenzene	Hexachloro-1,3-butadiene	Isopropylbenzene (Cumene)	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	Xylene (Total)	m&p-Xylene	o-Xylene	C5 - C8 Aliphatics	C9 - C12 Aliphatics	C9 - C10 Aromatics	VPH (Total)
NCAC 2L Standards				**15**	**1**	**NE**	**0.6**	**70**	**3000**	**70**	**3**	**100**	**0.4**	**0.4**	**70**	**600**	**0.4**	**70**	**5**	**20**	**6**	**70**	**0.7**	**600**	**2000**	**400**	**400**	**0.03**	**500**	**500**	**500**	**400**	**700**	**200**	**NE**
IMAC Standards				**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
92541703	MW-50_20210601	MW-50	06/01/2021	<5	**349**	<2	<2	<2	<4	<2	<4	<2	<2	<2	**36.3**	**12.6**	<8	<2	<8	**11.4**	**22**	<2	<2	**385**	<4	**103**	<2	<4	**881**	**568**	**313**	**4,590**	**2,200**	**327**	**6,800**
92547899	MW-50_20210706	MW-50	07/06/2021	<5	**343**	<2	<2	<2	<4	<2	<4	<2	<2	<2	**18.8**	**31.5**	<8	**5.1**	<8	**4.6**	**27.5**	<2	<2	**286**	<4	**126**	**32.5**	<4	**1,043**	**662**	**381**	**5,210**	**2,550**	**421**	**8,180**
92553185	MW-50_20210803	MW-50	08/03/2021	<5	**193**	<1	<1	<1	<2	<1	<2	<1	<1	<1	**11.2**	**18.3**	<4	**2**	<4	**2.6**	**9.1**	<1	<1	**218**	<2	**43.6**	<1	<2	**438**	**273**	**165**	**4,260**	**1,120**	**178**	**5,550**
92558740	MW-50_20210831	MW-50	08/31/2021	<5	**70.5**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**5.8**	**13.2**	<2	**1.1**	<2	**1.4**	**5.4**	<0.5	<0.5	**170**	<1	**25.1**	**6.8**	<1	**222**	**136**	**85.8**	**1,720**	**517**	**80.3**	**2,320**
92564678	MW-50_20211004	MW-50	10/04/2021	<5.0	**62**	<1	<1	<1	<1	<1	<1.2	<1	<1	<1	**15**	**10**	<1.2	**0.34J**	<10	**1.4**	**2.4**	<1	<1	**100**	<1	**11**	**4.3**	<1	**178**	**95**	**83**	**590**	<200	<200	NA
92496817	MW-51_20200922	MW-51	09/22/2020	<5	**1.4**	<0.5	**3.8**	<0.5	<1	**26.1**	<1	<0.5	**1.3**	<0.5	<0.5	**0.84**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**6.9**	<1	**0.78**	<0.5	<1	**9.3**	**3.6**	**5.7**	<100	<100	<100	<100
92499587	MW-51_20201007	MW-51	10/07/2020	<5	**1.4**	<0.5	**1.6**	<0.5	<1	**19.3**	<1	<0.5	<0.5	<0.5	<0.5	**0.71**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**4.2**	<1	**0.6**	<0.5	<1	**4.5**	**2.5**	**2**	<100	<100	<100	<100
92499587	Dup-1-20201007	MW-51	10/07/2020	<5	**1.6**	<0.5	**1.6**	<0.5	<1	**19.2**	<1	<0.5	<0.5	<0.5	<0.5	**0.72**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**4.8**	<1	**0.7**	<0.5	<1	**4.8**	**2.6**	**2.2**	<100	<100	<100	<100
92501615	MW-51_20201021	MW-51	10/21/2020	**5.1**	**0.52**	<0.5	**0.95**	<0.5	<1	**13.4**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501615	DUP-1-20201021	MW-51	10/21/2020	<5	**0.5**	<0.5	**0.92**	<0.5	<1	**13**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92509251	MW-51_20201202	MW-51	12/02/2020	<5	<0.5	<0.5	**0.55**	<0.5	<1	**6.5**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92514892	MW-51_20210105	MW-51	01/05/2021	**141**	<0.5	<0.5	<0.5	<0.5	<1	**5.3**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92522126	MW-51_20210212	MW-51	02/12/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**2.6**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92527474	MW-51_20210312	MW-51	03/12/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**2.3**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92531580	MW-51_20210406	MW-51	04/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**1.6**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92536726	MW-51_20210504	MW-51	05/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**1.5**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541703	MW-51_20210601	MW-51	06/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**1.1**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92547899	MW-51_20210706	MW-51	07/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.90**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553065	MW-51_20210802	MW-51	08/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.54**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553065	DUP-2-20210802	MW-51	08/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.51**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558446	MW-51_20210830	MW-51	08/30/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1	<1	<0.5	<50	<50	<50	<50
92558446	DUP-1-20210830	MW-51	08/30/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1	<1	<0.5	<50	<50	<50	<50
92564488	MW-51_20211001	MW-51	10/01/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.60	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92497774	MW-52_20200928	MW-52	09/28/2020	**20.3**	**8.9**	<0.5	**0.76**	<0.5	<1	**6.3**	<1	<0.5	<0.5	<0.5	**5.7**	**1**	<2	<0.5	<2	**1.6**	<2	<0.5	<0.5	**19.9**	<1	<0.5	<0.5	<1	**4.3**	**2.7**	**1.6**	<100	<100	<100	**171**
92501960	MW-52_20201023	MW-52	10/23/2020	<5	**31**	<0.5	<0.5	<0.5	<1	**1.8**	<1	<0.5	<0.5	<0.5	**26.7**	**3.5**	<2	<0.5	<2	**7.3**	<2	<0.5	<0.5	**80.2**	<1	**0.59**	<0.5	<1	**13.2**	**7.2**	**6**	**281**	<100	<100	**341**
92508881	MW-52_20201201	MW-52	12/01/2020	**16.4**	**40.5**	<0.5	<0.5	<0.5	<1	**0.53**	<1	<0.5	<0.5	<0.5	**33.3**	**4.6**	<2	<0.5	<2	**8.8**	<2	<0.5	<0.5	**69.6**	<1	**1.2**	<0.5	<1	**22.6**	**12.7**	**9.9**	**296**	<100	<100	**365**
92514898	MW-52_20210105	MW-52	01/05/2021	**14.1**	**142**	<1	<1	<1	<2	<1	<2	<1	<1	<1	**50.3**	**12.8**	<4	<1	<4	**13.2**	<4	<1	<1	**233**	<2	**7.1**	<1	<2	**79.8**	**50.2**	**29.6**	**899**	**204**	<100	**1,150**
92521871	MW-52_20210211	MW-52	02/11/2021	<5	**33.2**	<0.5	<0.5	<0.5	<1	**0.59**	<1	<0.5	<0.5	<0.5	**29.8**	<0.5	<2	<0.5	<2	**7.7**	<2	<0.5	<0.5	**2.9**	<1	**1.7**	<0.5	<1	**17.2**	**8.3**	**8.9**	**227**	<100	<100	**293**
92527327	MW-52_20210311	MW-52	03/11/2021	<5	**192**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**55.8**	**1.9**	<2	**0.55**	<2	**13.7**	<2	<0.5	<0.5	**36.8**	<1	**11.1**	<0.5	<1	**108.8**	**64.8**	**44**	**1,240**	**222**	<50	**200**
92530256	MW-52_20210407	MW-52	04/07/2021	<5	**17.3**	<0.5	<0.5	<0.5	<1	**2.7**	<1	<0.5	<0.5	<0.5	**20**	<0.5	<2	<0.5	<2	**4.4**	<2	<0.5	<0.5	**3.5**	<1	<0.5	<0.5	<1	**2.9**	**1.3**	**1.6**	**948**	<50	<50	**948**
92537784	MW-52_20210507	MW-52	05/07/2021	<5	**144**	<0.5	<0.5	<0.5	<1	**1.2**	<1	<0.5	<0.5	<0.5	**26.7**	<0.5	<2	**0.43J**	<2	**3.5**	**0.88J**	<0.5	<0.5	**23.1**	<1	**3.1**	<0.5	<1	**52.6**	**20.4**	**32.2**	**1,090**	**133**	<50	**1,230**
92542375	MW-52_20210603	MW-52	06/03/2021	<5	**68.4**	<0.5	<0.5	<0.5	<1	**2.4**	<1	<0.5	<0.5	<0.5	**14.2**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**7.6**	<1	**1.6**	<0.5	<1	**20.3**	**6.4**	**13.9**	**503**	<50	<50	**553**
92548787	MW-52_20210709	MW-52	07/09/2021	<5	**197**	<0.5	<0.5	<0.5	<1	**0.92**	<1	<0.5	<0.5	<0.5	**35.7**	**0.42J**	<2	**0.57**	<2	**5.3**	**2.5**	<0.5	<0.5	**8.0**	<1	**3.1**	**1.3**	<1	**29.8**	**9.6**	**20.2**	**1,220**	**71.6**	<50	**1,310**
92554137	MW-52_20210805	MW-52	08/05/2021	<5	**476**	<2	<2	<2	<4	**1.8J**	<4	<2	<2	<2	**72.2**	**3.2J**	<8	<2	<8	**10.4**	**6.8J**	<2	<2	**63.4**	<4	**7.9**	<2	<4	**117.9**	**41.1**	**76.8**	**4,110**	**341**	**64.8**	**4,520**
92559360	MW-52_20210902	MW-52	09/02/2021	<5	**1,080**	<5	<5	<5	<10	<5	<10	<5	<5	<5	**137**	**6.8J**	<20	<5	<20	**24.8**	**21.3**	<5	<5	**151.0**	<10	<5	**10.2**	<10	**244.6**	**57.6**	**187**	**7,510**	**656**	<200	**8,260**
92564084	MW-52_20210929	MW-52	09/29/2021	<5.0	**1,100**	<12	<12	<12	<12	<12	<50	<12	<12	<12	**140**	**3.2J**	<15	**4.5J**	<120	**27**	**20**	<12	<12	**110**	<12	<12	**8.0J**	<12	**265**	**15J**	**250**	**4,100**	<500	**510**	NA
92499057	MW-53_20201006	MW-53	10/06/2020	**37.6**	<0.5	<0.5	**2**	<0.5	<1	**22.9**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**0.72**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501860	MW-53_20201022	MW-53	10/22/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	**6.4**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92509560	MW-53_20201203	MW-53	12/03/2020	**23.6**	<0.5	<0.5	<0.5	<0.5	<1	**2.9**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92509560	Dup-1-20201203	MW-53	12/03/2020	**32.9**	<0.5	<0.5	<0.5	<0.5	<1	**2.8**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92515544	MW-53_20210107	MW-53	01/07/2021	**123**	<0.5	<0.5	<0.5	<0.5	<1	**0.97**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92521555	MW-53_20210210	MW-53	02/10/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.61**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526977	MW-53_20210310	MW-53	03/10/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.60**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	**1,330**	**440**	<100	**1,860**
92532417	MW-53_20210408	MW-53	04/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537489	MW-53_20210506	MW-53	05/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.42J**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537489	DUP-1-20210506	MW-53	05/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.43J**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542611	MW-53_20210604	MW-53	06/04/2021	<5	**10.7**	<0.5	<0.5	<0.5	<1	**0.44J**	<1	<0.5	<0.5	<0.5	<0.5	**0.66**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**50.2**	<1	**1.4**	<0.5	<1	**35.8**	**22.1**	**13.7**	**330**	**100**	<50	**430**

Table 5A
Summary of Monitoring Well Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Well ID	Sample Date	Metals (µg/L)	VOCs (µg/L)																									MADEP VPH (µg/L)			
				Lead	Benzene	Bromochloromethane	Bromodichloromethane	n-Butylbenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	Dibromochloromethane	1,2-Dichloroethane	Diisopropyl ether	Ethylbenzene	Hexachloro-1,3-butadiene	Isopropylbenzene (Cumene)	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	Xylene (Total)	m&p-Xylene	o-Xylene	C5 - C8 Aliphatics	C9 - C12 Aliphatics	C9 - C10 Aromatics	VPH (Total)
NCAC 2L Standards				**15**	**1**	**NE**	**0.6**	**70**	**3000**	**70**	**3**	**100**	**0.4**	**0.4**	**70**	**600**	**0.4**	**70**	**5**	**20**	**6**	**70**	**0.7**	**600**	**2000**	**400**	**400**	**0.03**	**500**	**500**	**500**	**400**	**700**	**200**	**NE**
IMAC Standards				**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
92548527	MW-53_20210708	MW-53	07/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92554137	MW-53_20210805	MW-53	08/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.42J**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92554137	DUP-2-20210805	MW-53	08/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559360	MW-53_20210902	MW-53	09/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.36J**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92563804	MW-53_20210928	MW-53	09/28/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.27J**	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92563804	DUP-1-20210928	MW-53	09/28/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.27J**	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92499057	MW-54_20201006	MW-54	10/06/2020	**8.2**	<0.5	<0.5	**3.0**	<0.5	<1	**28.2**	<1	<0.5	**0.75**	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501860	MW-54_20201022	MW-54	10/22/2020	<5	<0.5	<0.5	**0.65**	<0.5	<1	**9.4**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92509560	MW-54_20201203	MW-54	12/03/2020	**18.6**	<0.5	<0.5	<0.5	<0.5	<1	**2.4**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92509560	Dup-2-20201203	MW-54	12/03/2020	**14.7**	<0.5	<0.5	<0.5	<0.5	<1	**2.9**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92515544	MW-54_20210107	MW-54	01/07/2021	**29.1**	<0.5	<0.5	<0.5	<0.5	<1	**1.5**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92521555	MW-54_20210210	MW-54	02/10/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**2.6**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92527327	MW-54_20210311	MW-54	03/11/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**1.9**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92530256	MW-54_20210407	MW-54	04/07/2021	<5	**218**	<2.5	<2.5	<2.5	<5	<2.5	<5	<2.5	<2.5	<2.5	**22**	**30.6**	<10	<2.5	<10	<2.5	<10	<2.5	<2.5	**636**	<5	**18.4**	<2.5	<5	**230.1**	**145**	**85.1**	**3,530**	**644**	<50	**4,126**
92537489	MW-54_20210506	MW-54	05/06/2021	<5	**521**	<2.5	<2.5	<2.5	<5	<2.5	<5	<2.5	<2.5	<2.5	**96.5**	**6.9**	<10	<2.5	<10	<2.5	**7.9J**	<2.5	<2.5	**999**	<5	**39.4**	<2.5	<5	**595**	**380**	**215**	**7,880**	**1,500**	**140**	**9,380**
92542611	MW-54_20210604	MW-54	06/04/2021	<5	**551**	<5	<5	<5	<10	<5	<10	<5	<5	<5	**89.8**	**25.2**	<20	<5	<20	<5	**8.1J**	<5	<5	**1,200**	<10	**44**	<5	<10	**751**	**461**	**290**	**8,480**	**1,680**	**164**	**10,200**
92554137	MW-54_20210805	MW-54	08/05/2021	<5	**984**	<5	<5	<5	<10	<5	<10	<5	<5	<5	**149**	**98.4**	<20	<5	<20	**7.7**	**9.6J**	<5	<5	**1,670**	<10	**59.7**	<5	<10	**1,045**	**649**	**396**	**15,900**	**2,180**	**218**	**18,300**
92499057	MW-55_20201006	MW-55	10/06/2020	<5	**99.7**	<0.5	**0.92**	<0.5	<1	**6.9**	<1	<0.5	<0.5	<0.5	**48**	**6**	<2	<0.5	<2	**19.6**	<2	<0.5	<0.5	**154**	<1	**1.8**	<0.5	<1	**44.9**	**24.5**	**20.4**	**455**	<100	<100	**566**
92499057	DUP-01-20201006	MW-55	10/06/2020	<5	**102**	<0.5	**0.91**	<0.5	<1	**6.8**	<1	<0.5	<0.5	<0.5	**48.9**	**6.1**	<2	<0.5	<2	**19.7**	<2	<0.5	<0.5	**157**	<1	**1.9**	<0.5	<1	**46.2**	**25.2**	**21.0**	**496**	<100	<100	**614**
92501960	MW-55_20201023	MW-55	10/23/2020	<5	**900**	<12.5	<12.5	<12.5	<25	<12.5	<25	<12.5	<12.5	<12.5	**144**	**457**	<50	**26.5**	<50	<12.5	**85.7**	<12.5	<12.5	**3,590**	<25	**626**	<12.5	<25	**2,730**	**1,870**	**860**	**13,000**	**4,580**	**1,720**	**6,300**
92499057	MW-56_20201006	MW-56	10/06/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**1.1**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501860	MW-56_20201022	MW-56	10/22/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92509560	MW-56_20201203	MW-56	12/03/2020	**8.4**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92515544	MW-56_20210107	MW-56	01/07/2021	**8**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92520901	MW-56_20210208	MW-56	02/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526618	MW-56_20210309	MW-56	03/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92530256	MW-56_20210407	MW-56	04/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537159	MW-56_20210505	MW-56	05/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537159	DUP-1-20210505	MW-56	05/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541993	MW-56_20210602	MW-56	06/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548787	MW-56_20210709	MW-56	07/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548787	DUP-1-20210709	MW-56	07/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553563	MW-56_20210804	MW-56	08/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	**4.1**	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559014	MW-56_20210901	MW-56	09/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92563804	MW-56_20210928	MW-56	09/28/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92499057	MW-57_20201006	MW-57	10/06/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	**2.4**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501860	MW-57_20201022	MW-57	10/22/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	**3**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92509560	MW-57_20201203	MW-57	12/03/2020	**31.8**	<0.5	<0.5	<0.5	<0.5	<1	**0.65**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92515544	MW-57_20210107	MW-57	01/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92520901	MW-57_20210208	MW-57	02/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526618	MW-57_20210309	MW-57	03/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92530256	MW-57_20210407	MW-57	04/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537159	MW-57_20210505	MW-57	05/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541993	MW-57_20210602	MW-57	06/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548527	MW-57_20210708	MW-57	07/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553563	MW-57_20210804	MW-57	08/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559014	MW-57_20210901	MW-57	09/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50

Table 5A
Summary of Monitoring Well Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Well ID	Sample Date	Metals (µg/L)	VOCs (µg/L)																									MADEP VPH (µg/L)			
				Lead	Benzene	Bromochloromethane	Bromodichloromethane	n-Butylbenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	Dibromochloromethane	1,2-Dichloroethane	Diisopropyl ether	Ethylbenzene	Hexachloro-1,3-butadiene	Isopropylbenzene (Cumene)	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	Xylene (Total)	m&p-Xylene	o-Xylene	C5 - C8 Aliphatics	C9 - C12 Aliphatics	C9 - C10 Aromatics	VPH (Total)
NCAC 2L Standards				**15**	**1**	**NE**	**0.6**	**70**	**3000**	**70**	**3**	**100**	**0.4**	**0.4**	**70**	**600**	**0.4**	**70**	**5**	**20**	**6**	**70**	**0.7**	**600**	**2000**	**400**	**400**	**0.03**	**500**	**500**	**500**	**400**	**700**	**200**	**NE**
IMAC Standards				**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
92559014	DUP-1-20210901	MW-57	09/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92563804	MW-57_20210928	MW-57	09/28/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92500608	MW-58_20201007	MW-58	10/07/2020	<5	<0.5	<0.5	**2.8**	<0.5	<1	**15.6**	<1	<0.5	**0.61**	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501860	MW-58_20201022	MW-58	10/22/2020	<5	<0.5	<0.5	**1.8**	<0.5	<1	**9.5**	<1	<0.5	**0.5**	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92508881	MW-58_20201201	MW-58	12/01/2020	**22.7**	<0.5	<0.5	**0.76**	<0.5	<1	**3.8**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92514898	MW-58_20210105	MW-58	01/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**2.2**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92520901	MW-58_20210208	MW-58	02/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**1.6**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92527327	MW-58_20210311	MW-58	03/11/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**1.8**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92532417	MW-58_20210408	MW-58	04/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**1.6**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537784	MW-58_20210507	MW-58	05/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**1.8**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542611	MW-58_20210604	MW-58	06/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**1.2**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548787	MW-58_20210709	MW-58	07/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.84**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92554137	MW-58_20210805	MW-58	08/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.92**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559360	MW-58_20210902	MW-58	09/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.59**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564084	MW-58_20210929	MW-58	09/29/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	**0.58**	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92500608	MW-59_20201007	MW-59	10/07/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	**2.8**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501616	MW-59_20201021	MW-59	10/21/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	**2.5**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92508881	MW-59_20201201	MW-59	12/01/2020	**31.6**	<0.5	<0.5	<0.5	<0.5	<1	**1.8**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92514898	MW-59_20210105	MW-59	01/05/2021	**37.3**	<0.5	<0.5	<0.5	<0.5	<1	**1.1**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92521237	MW-59_20210209	MW-59	02/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.68**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92527327	MW-59_20210311	MW-59	03/11/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**0.52**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92532417	MW-59_20210408	MW-59	04/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537784	MW-59_20210507	MW-59	05/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542611	MW-59_20210604	MW-59	06/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542611	DUP-1-20210604	MW-59	06/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548787	MW-59_20210709	MW-59	07/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.57**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**1.0**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92554137	MW-59_20210805	MW-59	08/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.39J**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559360	MW-59_20210902	MW-59	09/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564084	MW-59_20210929	MW-59	09/29/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92500607	MW-60_20201007	MW-60	10/07/2020	**18**	<0.5	<0.5	**4.1**	<0.5	<1	**15.2**	<1	<0.5	**1.3**	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501345	MW-60_20201020	MW-60	10/20/2020	**20.4**	<0.5	<0.5	**0.88**	<0.5	<1	**3.5**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92508886	MW-60_20201201	MW-60	12/02/2020	**16.4**	<0.5	<0.5	<0.5	<0.5	<1	**1.5**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92514892	MW-60_20210105	MW-60	01/05/2021	**52.8**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92522126	MW-60_20210212	MW-60	02/12/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92527336	MW-60_20210311	MW-60	03/11/2021	**15.0**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**4.4**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92531580	MW-60_20210406	MW-60	04/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537158	MW-60_20210505	MW-60	05/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1	<1	<0.5	<50	<50	<50	<50
92542350	MW-60_20210603	MW-60	06/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.47J**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92547899	MW-60_20210706	MW-60	07/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.68**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553185	MW-60_20210803	MW-60	08/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.58**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558740	MW-60_20210831	MW-60	08/31/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564678	MW-60_20211004	MW-60	10/04/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92509560	MW-61_20201203	MW-61	12/03/2020	**30.9**	**3.3**	<0.5	**5.5**	<0.5	<1	**31.0**	<1	<0.5	**1.3**	<0.5	<0.5	**0.54**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**7.9**	<1	<0.5	<0.5	<1	**2.27**	**1.4**	**0.87**	<100	<100	<100	<100
92509555	MW-62_20201203	MW-62	12/03/2020	<25	**0.67**	<0.5	**4.8**	<0.5	<1	**22.2**	<1	<0.5	**1.2**	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**1.4**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92514892	MW-62_20210105	MW-62	01/05/2021	**74.5**	<0.5	<0.5	**3.7**	<0.5	<1	**16.8**	<1	<0.5	**0.95**	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92521851	MW-62_20210211	MW-62	02/11/2021	**11.9**	<0.5	<0.5	**2.6**	<0.5	<1	**9.8**	<1	<0.5	**0.85**	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	**125**
92527474	MW-62_20210312	MW-62	03/12/2021	**37.8**	<0.5	<0.5	**2.1**	<0.5	<1	**8.7**	<1	<0.5	**0.57**	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50

Table 5A
Summary of Monitoring Well Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Well ID	Sample Date	Metals (µg/L)	VOCs (µg/L)																										MADEP VPH (µg/L)			
				Lead	Benzene	Bromochloromethane	Bromodichloromethane	n-Butylbenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	Dibromochloromethane	1,2-Dichloroethane	Diisopropyl ether	Ethylbenzene	Hexachloro-1,3-butadiene	Isopropylbenzene (Cumene)	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	Xylene (Total)	m&p-Xylene	o-Xylene	C5 - C8 Aliphatics	C9 - C12 Aliphatics	C9 - C10 Aromatics	VPH (Total)
NCAC 2L Standards				**15**	**1**	**NE**	**0.6**	**70**	**3000**	**70**	**3**	**100**	**0.4**	**0.4**	**70**	**600**	**0.4**	**70**	**5**	**20**	**6**	**70**	**0.7**	**600**	**2000**	**400**	**400**	**0.03**	**500**	**500**	**500**	**400**	**700**	**200**	**NE**
IMAC Standards				**--**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
92531231	MW-62_20210405	MW-62	04/05/2021	**26**	<0.5	<0.5	<0.5	<0.5	<1	**2.3**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92536726	MW-62_20210504	MW-62	05/04/2021	**7.9**	<0.5	<0.5	**0.59**	<0.5	<1	**2.4**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541991	MW-62_20210602	MW-62	06/02/2021	**7.9**	<0.5	<0.5	**0.43J**	<0.5	<1	**2**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548169	MW-62_20210707	MW-62	07/07/2021	**7.6**	<0.5	<0.5	**0.42J**	<0.5	<1	**2.0**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553065	MW-62_20210802	MW-62	08/02/2021	**9.8**	<0.5	<0.5	**0.36J**	<0.5	<1	**1.6**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558446	MW-62_20210830	MW-62	08/30/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**0.57**	<1	<0.5	<0.5	<1	<1	<1	<0.5	<50	<50	<50	<50
92564678	MW-62_20211004	MW-62	10/04/2021	<5.0	<0.5	<0.5	**0.28J**	<0.5	<0.5	**0.91**	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92509560	MW-63_20201203	MW-63	12/03/2020	**6.3**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92515544	MW-63_20210107	MW-63	01/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92521237	MW-63_20210209	MW-63	02/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526977	MW-63_20210310	MW-63	03/10/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92532417	MW-63_20210408	MW-63	04/08/2021	**7.6**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537489	MW-63_20210506	MW-63	05/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542375	MW-63_20210603	MW-63	06/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548168	MW-63_20210707	MW-63	07/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92554137	MW-63_20210805	MW-63	08/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559360	MW-63_20210902	MW-63	09/02/2021	<5	**5.0**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**2.8**	**2.1**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**15.8**	<1	**0.58**	<0.5	<1	**8.5**	**5.0**	**3.5**	**89.2**	<50	<50	**113**
92561826	MW-63_20210916	MW-63	09/16/2021	<5	**0.35J**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**3.3**	**0.35J**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**1.7**	<1	<0.5	<0.5	<1	**2.59**	**1.7**	**0.89**	<50	<50	<50	<50
92564084	MW-63_20210929	MW-63	09/29/2021	<5.0	**0.19J**	<0.5	<0.5	<0.5	<0.5	**0.24J**	<2	<0.5	<0.5	<0.5	**4.5**	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	**0.15J**	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92515354	MW-64_20210107	MW-64	01/07/2021	**101**	<0.5	<0.5	<0.5	<0.5	<1	**1.5**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92515354	Dup-1-20210107	MW-64	01/07/2021	**94.8**	<0.5	<0.5	<0.5	<0.5	<1	**1.7**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92522267	MW-64_20210215	MW-64	02/15/2021	**14.5**	<0.5	<0.5	<0.5	<0.5	<1	**0.77**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526262	MW-64_20210308	MW-64	03/08/2021	**12.8**	<0.5	<0.5	<0.5	<0.5	<1	**1.2**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92531238	MW-64_20210405	MW-64	04/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92536430	MW-64_20210503	MW-64	05/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541706	MW-64_20210601	MW-64	06/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92547898	MW-64_20210706	MW-64	07/06/2021	**5.8**	<0.5	<0.5	<0.5	<0.5	<1	**1.3**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92552963	MW-64_20210802	MW-64	08/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.51**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558448	MW-64_20210830	MW-64	08/30/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564680	MW-64_20211004	MW-64	10/04/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	**0.39J**	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92515354	MW-65_20210107	MW-65	01/07/2021	**264**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92522267	MW-65_20210215	MW-65	02/15/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526262	MW-65_20210308	MW-65	03/08/2021	**7.2**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92531238	MW-65_20210405	MW-65	04/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92536430	MW-65_20210503	MW-65	05/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541706	MW-65_20210601	MW-65	06/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92547898	MW-65_20210706	MW-65	07/06/2021	**4.6J**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92552963	MW-65_20210802	MW-65	08/02/2021	**5.7**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558448	MW-65_20210830	MW-65	08/30/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1	<1	<0.5	<50	<50	<50	<50
92564680	MW-65_20211004	MW-65	10/04/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92515387	MW- 66_20210107	MW-66	01/07/2021	**107**	<0.5	<0.5	**2.8**	<0.5	<1	**12**	<1	<0.5	**0.63**	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92522125	MW-66_20210212	MW-66	02/12/2021	<5	<0.5	<0.5	**2.5**	<0.5	<1	**8.6**	<1	<0.5	**0.62**	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**3**	<1	<0.5	<0.5	<1	**2.49**	**1.6**	**0.89**	**165**	<100	<100	**165**
92526989	MW-66_20210310	MW-66	03/10/2021	**5.9**	<0.5	<0.5	**2.2**	<0.5	<1	**8.5**	<1	<0.5	**0.55**	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92531227	MW-66_20210405	MW-66	04/05/2021	<5	<0.5	<0.5	**1.4**	<0.5	<1	**5.3**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92536738	MW-66_20210504	MW-66	05/04/2021	<5	<0.5	<0.5	**1.0**	<0.5	<1	**4.0**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1	<1	<0.5	<50	<50	<50	<50
92541705	MW-66_20210601	MW-66	06/01/2021	<5	<0.5	<0.5	**1.1**	<0.5	<1	**4.5**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92547901	MW-66_20210706	MW-66	07/06/2021	**11.6**	<0.5	<0.5	**1.2**	<0.5	<1	**4.7**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50

Table 5A
Summary of Monitoring Well Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Well ID	Sample Date	Metals (µg/L)	VOCs (µg/L)																									MADEP VPH (µg/L)			
				Lead	Benzene	Bromochloromethane	Bromodichloromethane	n-Butylbenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	Dibromochloromethane	1,2-Dichloroethane	Diisopropyl ether	Ethylbenzene	Hexachloro-1,3-butadiene	Isopropylbenzene (Cumene)	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	Xylene (Total)	m&p-Xylene	o-Xylene	C5 - C8 Aliphatics	C9 - C12 Aliphatics	C9 - C10 Aromatics	VPH (Total)
NCAC 2L Standards				**15**	**1**	**NE**	**0.6**	**70**	**3000**	**70**	**3**	**100**	**0.4**	**0.4**	**70**	**600**	**0.4**	**70**	**5**	**20**	**6**	**70**	**0.7**	**600**	**2000**	**400**	**400**	**0.03**	**500**	**500**	**500**	**400**	**700**	**200**	**NE**
IMAC Standards				**--**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
92552929	MW-66_20210802	MW-66	08/02/2021	<5	<0.5	<0.5	**0.93**	<0.5	<1	**3.6**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558450	MW-66_20210830	MW-66	08/30/2021	<5	<0.5	**1.1**	<0.5	<0.5	<1	**5.2**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1	<1	<0.5	<50	<50	<50	<50
92564679	MW-66_20211004	MW-66	10/04/2021	**5.0J**	<0.5	<0.5	**1.6**	<0.5	<0.5	**5.5**	<0.6	<0.5	**0.41J**	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92515387	MW- 67_20210107	MW-67	01/07/2021	**23.2**	<0.5	<0.5	<0.5	<0.5	<1	**1.5**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**106**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	**116**	<100	<100	**116**
92522125	MW-67_20210212	MW-67	02/12/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**8.2**	<1	<0.5	<0.5	<1	**1.99**	**1.4**	**0.59**	<100	<100	<100	<100
92526617	MW-67_20210309	MW-67	03/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**4.8**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526617	DUP-1-20210309	MW-67	03/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**4.1**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92531227	MW-67_20210405	MW-67	04/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**3.1**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92536429	MW-67_20210503	MW-67	05/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**0.75**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541705	MW-67_20210601	MW-67	06/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**2.4**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92547901	MW-67_20210706	MW-67	07/06/2021	**5.9**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92552929	MW-67_20210802	MW-67	08/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92552929	DUP-1 20210802	MW-67	08/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558450	MW-67_20210830	MW-67	08/30/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1	<1	<0.5	<50	<50	<50	<50
92558450	DUP-1-20210830	MW-67	08/30/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1	<1	<0.5	<50	<50	<50	<50
92564679	MW-67_20211004	MW-67	10/04/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92564679	DUP-1-20211004	MW-67	10/04/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92515387	MW- 68_20210107	MW-68	01/07/2021	**99.2**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92522266	MW-68_20210215	MW-68	02/15/2021	**15.5**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526617	MW-68_20210309	MW-68	03/09/2021	**5.9**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92531227	MW-68_20210405	MW-68	04/05/2021	**6.6**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92536738	MW-68_20210504	MW-68	05/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541705	MW-68_20210601	MW-68	06/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92547901	MW-68_20210706	MW-68	07/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92552929	MW-68_20210802	MW-68	08/02/2021	**5.2**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558450	MW-68_20210830	MW-68	08/30/2021	**16.7**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1	<1	<0.5	<50	<50	<50	<50
92564679	MW-68_20211004	MW-68	10/04/2021	**5.9**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92515214	MW-69_20210106	MW-69	01/06/2021	**123**	<0.5	<0.5	**0.55**	<0.5	<1	**4.6**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92521555	MW-69_20210210	MW-69	02/10/2021	**40.3**	<0.5	<0.5	<0.5	<0.5	<1	**2.8**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92527327	MW-69_20210311	MW-69	03/11/2021	<5	<0.5	<0.5	**0.99**	<0.5	<1	**5.4**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92532417	MW-69_20210408	MW-69	04/08/2021	**9.1**	<0.5	<0.5	**1.1**	<0.5	<1	**5.5**	<1	<0.5	<0.5	<0.5	**0.64**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537784	MW-69_20210507	MW-69	05/07/2021	<5	<0.5	<0.5	**3.4**	<0.5	<1	**18.7**	<1	<0.5	**0.77**	<0.5	**1.0**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542611	MW-69_20210604	MW-69	06/04/2021	<5	<0.5	<0.5	**3.9**	<0.5	<1	**20.2**	<1	<0.5	**0.88**	<0.5	**0.41J**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548527	MW-69_20210708	MW-69	07/08/2021	<5	<0.5	<0.5	**2.7**	<0.5	<1	**14.7**	<1	<0.5	**0.66**	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553563	MW-69_20210804	MW-69	08/04/2021	<5	<0.5	<0.5	**2.9**	<0.5	<1	**15.4**	<1	<0.5	**0.72**	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559014	MW-69_20210901	MW-69	09/01/2021	<5	<0.5	<0.5	**2.1**	<0.5	<1	**10.9**	<1	<0.5	**0.54**	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564336	MW-69_20210929	MW-69	09/29/2021	<5.0	<0.5	<0.5	**2.2**	<0.5	<0.5	**14**	<0.6	<0.5	**0.40J**	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92515354	MW-70_20210107	MW-70	01/07/2021	**155**	<0.5	<0.5	<0.5	<0.5	<1	**1.4**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92522267	MW-70_20210215	MW-70	02/15/2021	**24.5**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526262	MW-70_20210308	MW-70	03/08/2021	**9.8**	<0.5	<0.5	<0.5	<0.5	<1	**1.9**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92531238	MW-70_20210405	MW-70	04/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**1.5**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92536731	MW-70_20210504	MW-70	05/04/2021	<5	<0.5	<0.5	**0.4J**	<0.5	<1	**1.7**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541706	MW-70_20210601	MW-70	06/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.85**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92547898	MW-70_20210706	MW-70	07/06/2021	<5	<0.5	<0.5	<0.5	<0.5	**0.46J**	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92552963	MW-70_20210802	MW-70	08/02/2021	**9.9**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558448	MW-70_20210830	MW-70	08/30/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.42J**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1	<1	<0.5	<50	<50	<50	<50
92564680	MW-70_20211004	MW-70	10/04/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	**0.28J**	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA

Table 5A
Summary of Monitoring Well Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Well ID	Sample Date	Metals (µg/L)	VOCs (µg/L)																									MADEP VPH (µg/L)			
				Lead	Benzene	Bromochloromethane	Bromodichloromethane	n-Butylbenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	Dibromochloromethane	1,2-Dichloroethane	Diisopropyl ether	Ethylbenzene	Hexachloro-1,3-butadiene	Isopropylbenzene (Cumene)	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	Xylene (Total)	m&p-Xylene	o-Xylene	C5 - C8 Aliphatics	C9 - C12 Aliphatics	C9 - C10 Aromatics	VPH (Total)
NCAC 2L Standards				**15**	**1**	**NE**	**0.6**	**70**	**3000**	**70**	**3**	**100**	**0.4**	**0.4**	**70**	**600**	**0.4**	**70**	**5**	**20**	**6**	**70**	**0.7**	**600**	**2000**	**400**	**400**	**0.03**	**500**	**500**	**500**	**400**	**700**	**200**	**NE**
IMAC Standards				**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
92521555	MW-71_20210210	MW-71	02/10/2021	**22.6**	<0.5	<0.5	**1.3**	<0.5	<1	**10.6**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**0.66**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92527327	MW-71_20210311	MW-71	03/11/2021	<5	<0.5	<0.5	**2.1**	<0.5	<1	**11.6**	<1	<0.5	**0.54**	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92532417	MW-71_20210408	MW-71	04/08/2021	**94.2**	<0.5	<0.5	<0.5	<0.5	<1	**2.8**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537784	MW-71_20210507	MW-71	05/07/2021	**64.1**	**16.7**	<0.5	**0.73**	<0.5	<1	**4.4**	<1	<0.5	<0.5	<0.5	**3.5**	**3.3**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**54.2**	<1	**1.1**	<0.5	<1	**18.7**	**11.4**	**7.3**	**329**	**57.7**	<50	**387**
92542611	MW-71_20210604	MW-71	06/04/2021	<5	**133**	<2	<2	<2	<4	**5.2**	<4	<2	<2	<2	**17.6**	**24.9**	<8	<2	<8	<2	**3.6J**	<2	<2	**408**	<4	**5.7**	<2	<4	**116.3**	**65.9**	**50.4**	**3,030**	**411**	<50	**3,450**
92548527	MW-71_20210708	MW-71	07/08/2021	**12.2**	**248**	<2	<2	<2	<4	**3.7**	<4	<2	<2	<2	**30.1**	**22.4**	<8	<2	<8	<2	**5.9J**	<2	<2	**480**	<4	**20.6**	**6.3**	<4	**291**	**173**	**118**	**3,760**	**668**	<100	**4,510**
92554137	MW-71_20210805	MW-71	08/05/2021	**15.8**	**153**	<2	<2	<2	<4	**3.4**	<4	<2	<2	<2	**36.8**	**22.6**	<8	<2	<8	<2	**10.5J**	<2	<2	**746**	<4	**35.1**	<2	<4	**464**	**270**	**194**	**4,980**	**945**	**132**	**6,060**
92559360	MW-71_20210902	MW-71	09/02/2021	<5	**71.4**	<0.5	**0.64**	<0.5	<1	**4.5**	<1	<0.5	<0.5	<0.5	**21.4**	<0.5	<2	<0.5	<2	**0.49J**	**2.8J**	<0.5	<0.5	**33.6**	<1	**2.7**	<0.5	<1	**89.4**	**26.6**	**62.8**	**650**	**197**	<50	**871**
92564084	MW-71_20210929	MW-71	09/29/2021	**4.8J**	**19**	<0.5	**0.75**	<0.5	<0.5	**3.8**	<2	<0.5	<0.5	<0.5	**12**	**0.31J**	<0.6	<0.5	<5	**0.31J**	**0.29J**	<0.5	<0.5	**18**	<0.5	**0.84**	**0.47J**	<0.5	**28**	**11**	**17**	**150**	<100	<100	NA
92521237	MW-72_20210209	MW-72	02/09/2021	**8.4**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526977	MW-72_20210310	MW-72	03/10/2021	**9.0**	**4.2**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	**3.7**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**27.9**	<1	**1.9**	<0.5	<1	**20.1**	**14.2**	**5.9**	**110**	<100	<100	**166**
92530256	MW-72_20210407	MW-72	04/07/2021	<5	**54.8**	<0.5	<0.5	<0.5	<1	**0.53**	<1	<0.5	<0.5	<0.5	**5.9**	**5.0**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**111**	<1	**4.1**	<0.5	<1	**46.0**	**30.9**	**15.1**	**1,070**	**138**	<50	**1,197**
92521851	MW-73_20210211	MW-73	02/11/2021	**14.9**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**17.7**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	**192**	<100	<100	**262**
92527336	MW-73_20210311	MW-73	03/11/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92531231	MW-73_20210405	MW-73	04/05/2021	**8.5**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**1.6**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92536726	MW-73_20210504	MW-73	05/04/2021	**14.6**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**0.7**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541991	MW-73_20210602	MW-73	06/02/2021	**24.2**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548518	MW-73_20210708	MW-73	07/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553065	MW-73_20210802	MW-73	08/02/2021	**5.5**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558446	MW-73_20210830	MW-73	08/30/2021	**6.6**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1	<1	<0.5	<50	<50	<50	<50
92564770	MW-73_20211005	MW-73	10/05/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92522267	MW-74_20210215	MW-74	02/15/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526262	MW-74_20210308	MW-74	03/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92531238	MW-74_20210405	MW-74	04/05/2021	**7.7**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92536430	MW-74_20210503	MW-74	05/03/2021	**6.6**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541706	MW-74_20210601	MW-74	06/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92547898	MW-74_20210706	MW-74	07/06/2021	**5.9**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92552963	MW-74_20210802	MW-74	08/02/2021	**16.8**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558448	MW-74_20210830	MW-74	08/30/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1	<1	<0.5	<50	<50	<50	<50
92564680	MW-74_20211004	MW-74	10/04/2021	**5.0J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92522267	MW-75_20210215	MW-75	02/15/2021	**31.8**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526262	MW-75_20210308	MW-75	03/08/2021	**16.3**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92531238	MW-75_20210405	MW-75	04/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92536430	MW-75_20210503	MW-75	05/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541706	MW-75_20210601	MW-75	06/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92547898	MW-75_20210706	MW-75	07/06/2021	**5.0**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92552963	MW-75_20210802	MW-75	08/02/2021	**7.9**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558448	MW-75_20210830	MW-75	08/30/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1	<1	<0.5	<50	<50	<50	<50
92564680	MW-75_20211004	MW-75	10/04/2021	**4.7J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92522265	MW-76_20210215	MW-76	02/15/2021	**10.4**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92527474	MW-76_20210312	MW-76	03/12/2021	**8.9**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92527474	DUP-1-20210312	MW-76	03/12/2021	**15.6**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92531580	MW-76_20210406	MW-76	04/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92536726	MW-76_20210504	MW-76	05/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92536726	DUP-1-20210504	MW-76	05/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541991	MW-76_20210602	MW-76	06/02/2021	**4.9J**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**0.96**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92547899	MW-76_20210706	MW-76	07/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50

Table 5A
Summary of Monitoring Well Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Well ID	Sample Date	Metals (µg/L)	VOCs (µg/L)																									MADEP VPH (µg/L)			
				Lead	Benzene	Bromochloromethane	Bromodichloromethane	n-Butylbenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	Dibromochloromethane	1,2-Dichloroethane	Diisopropyl ether	Ethylbenzene	Hexachloro-1,3-butadiene	Isopropylbenzene (Cumene)	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	Xylene (Total)	m&p-Xylene	o-Xylene	C5 - C8 Aliphatics	C9 - C12 Aliphatics	C9 - C10 Aromatics	VPH (Total)
NCAC 2L Standards				**15**	**1**	**NE**	**0.6**	**70**	**3000**	**70**	**3**	**100**	**0.4**	**0.4**	**70**	**600**	**0.4**	**70**	**5**	**20**	**6**	**70**	**0.7**	**600**	**2000**	**400**	**400**	**0.03**	**500**	**500**	**500**	**400**	**700**	**200**	**NE**
IMAC Standards				**--**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
92547899	DUP-2-20210706	MW-76	07/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553185	MW-76_20210803	MW-76	08/03/2021	**16.3**	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553185	DUP-2-20210803	MW-76	08/03/2021	**16.1**	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558739	MW-76_20210831	MW-76	08/31/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564327	MW-76_20210930	MW-76	09/30/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92526257	MW-77_20210308	MW-77	03/08/2021	**5.7**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526257	DUP-1-20210308	MW-77	03/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92531585	MW-77_20210406	MW-77	04/06/2021	**5.5**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537153	MW-77_20210505	MW-77	05/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542352	MW-77_20210603	MW-77	06/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548170	MW-77_20210707	MW-77	07/07/2021	**4.8J**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**0.53**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553189	MW-77_20210803	MW-77	08/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558741	MW-77_20210831	MW-77	08/31/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564333	MW-77_20210930	MW-77	09/30/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92526257	MW-78_20210308	MW-78	03/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92531585	MW-78_20210406	MW-78	04/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92531585	Dup-1-20210406	MW-78	04/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537153	MW-78_20210505	MW-78	05/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542352	MW-78_20210603	MW-78	06/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548170	MW-78_20210707	MW-78	07/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553189	MW-78_20210803	MW-78	08/03/2021	**4.8J**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558737	MW-78_20210831	MW-78	08/31/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564333	MW-78_20210930	MW-78	09/30/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92526616	MW-79_20210309	MW-79	03/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92531585	MW-79_20210406	MW-79	04/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537153	MW-79_20210505	MW-79	05/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542352	MW-79_20210603	MW-79	06/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548170	MW-79_20210707	MW-79	07/07/2021	<5	**0.71**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**1.4**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553189	MW-79_20210803	MW-79	08/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558741	MW-79_20210831	MW-79	08/31/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564333	MW-79_20210930	MW-79	09/30/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92526616	MW-80_20210309	MW-80	03/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92531225	MW-80_20210405	MW-80	04/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537153	MW-80_20210505	MW-80	05/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541992	MW-80_20210602	MW-80	06/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548170	MW-80_20210707	MW-80	07/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548170	DUP-2-20210707	MW-80	07/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	**1.09J**	**0.73J**	**0.36J**	<50	<50	<50	<50
92553189	MW-80_20210803	MW-80	08/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558741	MW-80_20210831	MW-80	08/31/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564333	MW-80_20210930	MW-80	09/30/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92527326	MW-81_20210311	MW-81	03/11/2021	<5	**3.5**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**2.9**	**2.9**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**12.5**	<1	**12.3**	<0.5	<1	**42.3**	**22**	**20.3**	**1,640**	**263**	**93.5**	**170**
92531225	MW-81_20210405	MW-81	04/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	**60.8**	<50	<50	**60.8**
92537153	MW-81_20210505	MW-81	05/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541992	MW-81_20210602	MW-81	06/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548170	MW-81_20210707	MW-81	07/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553189	MW-81_20210803	MW-81	08/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558741	MW-81_20210831	MW-81	08/31/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50

Table 5A
Summary of Monitoring Well Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Well ID	Sample Date	Metals (µg/L)	VOCs (µg/L)																									MADEP VPH (µg/L)			
				Lead	Benzene	Bromochloromethane	Bromodichloromethane	n-Butylbenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	Dibromochloromethane	1,2-Dichloroethane	Diisopropyl ether	Ethylbenzene	Hexachloro-1,3-butadiene	Isopropylbenzene (Cumene)	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	Xylene (Total)	m&p-Xylene	o-Xylene	C5 - C8 Aliphatics	C9 - C12 Aliphatics	C9 - C10 Aromatics	VPH (Total)
NCAC 2L Standards				**15**	**1**	**NE**	**0.6**	**70**	**3000**	**70**	**3**	**100**	**0.4**	**0.4**	**70**	**600**	**0.4**	**70**	**5**	**20**	**6**	**70**	**0.7**	**600**	**2000**	**400**	**400**	**0.03**	**500**	**500**	**500**	**400**	**700**	**200**	**NE**
IMAC Standards				**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
92564333	MW-81_20210930	MW-81	09/30/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92527326	MW-82_20210311	MW-82	03/11/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92531225	MW-82_20210405	MW-82	04/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537153	MW-82_20210505	MW-82	05/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1	<1	<0.5	<50	<50	<50	<50
92541992	MW-82_20210602	MW-82	06/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548170	MW-82_20210707	MW-82	07/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553189	MW-82_20210803	MW-82	08/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558741	MW-82_20210831	MW-82	08/31/2021	**5.3**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564333	MW-82_20210930	MW-82	09/30/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92527326	MW-83_20210311	MW-83	03/11/2021	**67.3**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92531853	MW-83_20210407	MW-83	04/07/2021	**35.9**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537153	MW-83_20210505	MW-83	05/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1	<1	<0.5	<50	<50	<50	<50
92541699	MW-83_20210601	MW-83	06/01/2021	**9.7**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548170	MW-83_20210707	MW-83	07/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553519	MW-83_20210804	MW-83	08/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558742	MW-83_20210831	MW-83	08/31/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564333	MW-83_20210930	MW-83	09/30/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92527326	MW-84_20210311	MW-84	03/11/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**1.4**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92531853	MW-84_20210407	MW-84	04/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537153	MW-84_20210505	MW-84	05/05/2021	**45.7**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1	<1	<0.5	**269**	<50	<50	**271**
92541699	MW-84_20210601	MW-84	06/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548170	MW-84_20210707	MW-84	07/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553189	MW-84_20210803	MW-84	08/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558742	MW-84_20210831	MW-84	08/31/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**0.73**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564485	MW-84_20211001	MW-84	10/01/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	**0.13J**	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	**0.94**	<0.5	<0.5	<0.5	<0.5	**0.57J**	**0.19J**	**0.38J**	<100	<100	<100	NA
92531231	MW-86_20210405	MW-86	04/05/2021	**175**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92536726	MW-86_20210504	MW-86	05/04/2021	**100**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541991	MW-86_20210602	MW-86	06/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548169	MW-86_20210707	MW-86	07/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553065	MW-86_20210802	MW-86	08/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558446	MW-86_20210830	MW-86	08/30/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564327	MW-86_20210930	MW-86	09/30/2021	**5.2**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92564327	DUP-1-20210930	MW-86	09/30/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92537489	MW-87_20210506	MW-87	05/06/2021	<5	**0.55**	<0.5	**0.31J**	<0.5	<1	**3**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**0.63**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542611	MW-87_20210604	MW-87	06/04/2021	<5	<0.5	<0.5	**0.41J**	<0.5	<1	**3.4**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548787	MW-87_20210709	MW-87	07/09/2021	<5	<0.5	<0.5	**0.35J**	<0.5	<1	**2.8**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553563	MW-87_20210804	MW-87	08/04/2021	<5	<0.5	<0.5	**0.76J**	<0.5	<1	**4.7**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553563	DUP-2-20210804	MW-87	08/04/2021	<5	<0.5	<0.5	**0.75J**	<0.5	<1	**4.6**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559360	MW-87_20210902	MW-87	09/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**5.9**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**1.0**	<1	<0.5	<0.5	<1	**1.31J**	**0.86J**	**0.45J**	<50	<50	<50	<50
92564084	MW-87_20210929	MW-87	09/29/2021	<5.0	<0.5	<0.5	**0.87**	<0.5	<0.5	**6.2**	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	**0.31J**	<0.5	<0.5	<0.5	<0.5	**0.41J**	**0.26J**	**0.15J**	<100	<100	<100	NA
92537489	MW-88_20210506	MW-88	05/06/2021	<5	<0.5	<0.5	**0.48J**	<0.5	<1	**2.9**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542611	MW-88_20210604	MW-88	06/04/2021	<5	<0.5	<0.5	**0.34J**	<0.5	<1	**2.1**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548787	MW-88_20210709	MW-88	07/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**1.2**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553563	MW-88_20210804	MW-88	08/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**1.2**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559014	MW-88_20210901	MW-88	09/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**1**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92563804	MW-88_20210928	MW-88	09/28/2021	**7.1**	<0.5	<0.5	**0.22J**	<0.5	<0.5	**1.2**	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92537784	MW-89_20210507	MW-89	05/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50

Table 5A
Summary of Monitoring Well Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Well ID	Sample Date	Metals (µg/L)	VOCs (µg/L)																									MADEP VPH (µg/L)			
				Lead	Benzene	Bromochloromethane	Bromodichloromethane	n-Butylbenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	Dibromochloromethane	1,2-Dichloroethane	Diisopropyl ether	Ethylbenzene	Hexachloro-1,3-butadiene	Isopropylbenzene (Cumene)	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	Xylene (Total)	m&p-Xylene	o-Xylene	C5 - C8 Aliphatics	C9 - C12 Aliphatics	C9 - C10 Aromatics	VPH (Total)
NCAC 2L Standards				**15**	**1**	**NE**	**0.6**	**70**	**3000**	**70**	**3**	**100**	**0.4**	**0.4**	**70**	**600**	**0.4**	**70**	**5**	**20**	**6**	**70**	**0.7**	**600**	**2000**	**400**	**400**	**0.03**	**500**	**500**	**500**	**400**	**700**	**200**	**NE**
IMAC Standards				**--**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
92542611	MW-89_20210604	MW-89	06/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542611	MW-89_20210604	MW-89	06/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548787	MW-89_20210709	MW-89	07/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553563	MW-89_20210804	MW-89	08/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559014	MW-89_20210901	MW-89	09/01/2021	**7.8**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92563804	MW-89_20210928	MW-89	09/28/2021	**5.6**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92543881	MW-92_20210611	MW-92	06/11/2021	<5	<0.5	<0.5	**0.39J**	<0.5	<1	**2.7**	<1	<0.5	<0.5	<0.5	**0.5J**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548527	MW-92_20210708	MW-92	07/08/2021	**14.7**	<0.5	<0.5	<0.5	<0.5	<1	**0.63**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92554137	MW-92_20210805	MW-92	08/05/2021	**9.6**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559014	MW-92_20210901	MW-92	09/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564084	MW-92_20210929	MW-92	09/29/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92543881	MW-93_20210611	MW-93	06/11/2021	**19.8**	<0.5	<0.5	<0.5	<0.5	<1	**0.47J**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548527	MW-93_20210708	MW-93	07/08/2021	**10**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92554137	MW-93_20210805	MW-93	08/05/2021	**9.4**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559014	MW-93_20210901	MW-93	09/01/2021	**8.5**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564084	MW-93_20210929	MW-93	09/29/2021	**6.6**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
FA89164-1	MW-94_20210921	MW-94	09/21/2021	<1.1	<0.5	<0.5	**0.44J**	<0.5	<0.5	**2.2**	NA	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	<100
92563804	MW-94_20210928	MW-94	09/28/2021	**4.7J**	<0.5	<0.5	**0.26J**	<0.5	<0.5	**1.8**	<0.6	<0.5	<0.5	<0.5	<0.5	**0.41J**	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	**2.4**	<0.5	**0.10J**	<0.5	<0.5	**2.14**	**1.5**	**0.64**	<100	<100	<100	NA
92564492	MW-95_20211001	MW-95	10/01/2021	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.59**	<0.6	<0.5	<0.5	<0.5	**2.3**	<0.5	<0.6	<0.5	<5	**0.32J**	<0.5	<0.5	<0.5	<0.5	**0.35J**	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92564492	MW-96_20211001	MW-96	10/01/2021	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	**0.13J**	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
Bedrock Unit Monitoring Wells																																			
92564084	MW-04D_20210929	MW-04D	09/29/2021	**4.5J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	**0.16J**	<0.5	<0.5	<0.5	<0.5	**0.32J**	**0.23J**	**0.09J**	<100	<100	<100	NA
92515762	MW-7D (120-127)'	MW-07D	01/10/2021	**18.8**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	**66.9**	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	**132**	<100	<100	**132**
92515762	DUP-6	MW-07D	01/10/2021	**7**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	**60.2**	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	**127**	<100	<100	**127**
92515762	MW-7D (84-91)'	MW-07D	01/11/2021	**15.5**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	**146**	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	**285**	<100	<100	**285**
92521237	MW-7D_20210209	MW-07D	02/09/2021	<5	<1	<1	<1	<1	<2	<1	<2	<1	<1	<1	<1	<1	<4	<1	<4	<1	<4	<1	<1	**184**	<2	<1	<1	<2	<3	<2	<1	**360**	<100	<100	**360**
92526618	MW-07D_20210309	MW-07D	03/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**0.66**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92532417	MW-07D_20210408	MW-07D	04/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537784	MW-07D_20210507	MW-07D	05/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542375	MW-07D_20210603	MW-07D	06/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548787	MW-07D_20210709	MW-07D	07/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92554137	MW-07D_20210805	MW-07D	08/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92554137	DUP-1-20210805	MW-07D	08/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559014	MW-07D_20210901	MW-07D	09/01/2021	**4.9J**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**0.86**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92563487	MW-07D_20210927	MW-07D	09/27/2021	<5	**2.8**	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	**9.9**	**0.65**	<0.6	<0.5	<5	**4.4**	<0.5	<0.5	<0.5	**0.42J**	<0.5	**0.24J**	<0.5	<0.5	**2.9**	**1.9**	**1.0**	<100	<100	<100	NA
92566046	MW-07D_20211011	MW-07D	10/11/2021	<5.0	**13**	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	**14**	**0.81**	<0.6	<0.5	<5	**7.4**	<0.5	<0.5	<0.5	**1.0J**	<0.5	**0.88J**	**0.3J**	<0.5	**8.5**	**4**	**4.5**	<100	<100	<100	NA
92526264	MW-14D_20210308	MW-14D	03/08/2021	**59.2**	<0.5	<0.5	<0.5	<0.5	<1	**1.2**	<1	<0.5	<0.5	<0.5	**0.51**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92531231	MW-14D_20210405	MW-14D	04/05/2021	**143**	<0.5	<0.5	<0.5	<0.5	<1	**0.97**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92536726	MW-14D_20210504	MW-14D	05/04/2021	**13.5**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541703	MW-14D_20210601	MW-14D	06/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92547899	MW-14D_20210706	MW-14D	07/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553065	MW-14D_20210802	MW-14D	08/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558447	MW-14D_20210830	MW-14D	08/30/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1	<1	<0.5	<50	<50	<50	<50
92564084	MW-14D_20210929	MW-14D	09/29/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	**0.21J**	<0.5	<0.5	<0.5	<0.5	**0.61J**	**0.45J**	**0.16J**	<100	<100	<100	NA
92548519	MW-16D_20210708	MW-16D	07/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553519	MW-16D_20210804	MW-16D	08/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	**3.6**	<0.5	<2	<0.5	<2	<0.5	<0.5	**1.1**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559332	MW-16D_20210902	MW-16D	09/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**1.1**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50

Table 5A
Summary of Monitoring Well Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Well ID	Sample Date	Metals (µg/L)	VOCs (µg/L)																								MADEP VPH (µg/L)			
				Lead	Benzene	Bromochloromethane	Bromodichloromethane	n-Butylbenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	Dibromochloromethane	1,2-Dichloroethane	Diisopropyl ether	Ethylbenzene	Hexachloro-1,3-butadiene	Isopropylbenzene (Cumene)	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	Xylene (Total)	m&p-Xylene	o-Xylene	C5 - C8 Aliphatics	C9 - C12 Aliphatics	C9 - C10 Aromatics	VPH (Total)
NCAC 2L Standards				**15**	**1**	**NE**	**0.6**	**70**	**3000**	**70**	**3**	**100**	**0.4**	**0.4**	**70**	**600**	**0.4**	**70**	**5**	**20**	**6**	**70**	**0.7**	**600**	**2000**	**400**	**400**	**0.03**	**500**	**500**	**500**	**400**	**700**	**200**	**NE**
IMAC Standards				**--**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
92564485	MW-16D_20211001	MW-16D	10/01/2021	<5.0	**0.13J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	**0.15J**	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	**1.2**	<0.5	**0.12J**	<0.5	<0.5	**1.16J**	**0.83J**	**0.33J**	<100	<100	<100	NA
92515755	MW-25D (125-139)	MW-25D	01/09/2021	**5.1**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	**1.2**	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	<100	<100	<100	<100
92515755	DUP-1-20210109	MW-25D	01/09/2021	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	**1.2**	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	<100	<100	<100	<100
92515869	MW-25D (83-90)	MW-25D	01/11/2021	**8.1**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	**0.88**	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	**131**	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	**118**	<100	<100	**118**
92515869	MW-25D (108-115)	MW-25D	01/11/2021	**7.9**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	**0.91**	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	**34.1**	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	<100	<100	<100	<100
92515869	MW-25D (115-122)	MW-25D	01/11/2021	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	**0.97**	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	**3.8**	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	<100	<100	<100	<100
92515869	DUP-7	MW-25D	01/11/2021	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	**0.98**	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	**4**	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	<100	<100	<100	<100
92521871	MW-25D_20210211	MW-25D	02/11/2021	<5	**1.5**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**0.69**	**1.5**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**19.9**	<1	**1.6**	<0.5	<1	**8.1**	**5.4**	**2.7**	<100	<100	<100	**115**
92526977	MW-25D_20210310	MW-25D	03/10/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**1.2**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92532417	MW-25D_20210408	MW-25D	04/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**0.57**	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537784	MW-25D_20210507	MW-25D	05/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**1.2**	<0.5	<2	<0.5	<2	**0.44J**	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542375	MW-25D_20210603	MW-25D	06/03/2021	<5	**0.46J**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**7.3**	<0.5	<2	<0.5	<2	**3.4**	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548527	MW-25D_20210708	MW-25D	07/08/2021	**7.9**	**12.5**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**11.6**	**0.88**	<2	<0.5	<2	**6.4**	<2	<0.5	<0.5	**0.64**	<1	<0.5	<0.5	<1	**5.0**	**2.1**	**2.9**	**109**	<50	<50	**127**
92551300	MW-25D_20210722	MW-25D	07/22/2021	NA	**5.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
92554285	MW-25D_20210806	MW-25D	08/06/2021	<5	**4.8**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**15.5**	<0.5	<2	<0.5	<2	**8**	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	**1.1**	<1	**1.1**	**82.3**	<50	<50	**87.3**
92559360	MW-25D_20210902	MW-25D	09/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	**2.7**	<0.5	<2	<0.5	<2	**1.2**	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564084	MW-25D_20210929	MW-25D	09/29/2021	**4.7J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	**0.34J**	<0.5	<0.6	<0.5	<5	**0.26J**	<0.5	<0.5	<0.5	**0.28J**	<0.5	**0.10J**	<0.5	<0.5	**0.73J**	**0.54J**	**0.19J**	<100	<100	<100	NA
92541992	MW-31D_20210602	MW-31D	06/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548170	MW-31D_20210707	MW-31D	07/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553189	MW-31D_20210803	MW-31D	08/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558741	MW-31D_20210831	MW-31D	08/31/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564485	MW-31D_20211001	MW-31D	10/01/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	**0.12J**	<0.5	<0.5	<0.5	<0.5	**0.34J**	**0.25J**	**0.09J**	<100	<100	<100	NA
92514955	MW-36D (96.5-103.5)	MW-36D	01/05/2021	**40.5**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	**169**	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	**280**	<100	<100	**318**
92514955	DUP-2	MW-36D	01/05/2021	**47.3**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	**164**	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	**281**	<100	<100	**318**
92521237	MW-36D_20210209	MW-36D	02/09/2021	**72.1**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**1.1**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526618	MW-36D_20210309	MW-36D	03/09/2021	**76.9**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92537489	MW-36DR_20210506	MW-36DR	05/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542611	MW-36DR_20210604	MW-36DR	06/04/2021	**5.1**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548787	MW-36DR_20210709	MW-36DR	07/09/2021	**7.4**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92554285	MW-36DR_20210806	MW-36DR	08/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559360	MW-36DR_20210902	MW-36DR	09/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	**68.2**
92559360	DUP-1-20210902	MW-36DR	09/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564084	MW-36DR_20210929	MW-36DR	09/29/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92516451	MW-57D (91-101)	MW-57D	01/12/2021	**124**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	**8**	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	<100	<100	<100	<100
92521237	MW-57D_20210209	MW-57D	02/09/2021	**22.8**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526618	MW-57D_20210309	MW-57D	03/09/2021	**8.0**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92530256	MW-57D_20210407	MW-57D	04/07/2021	**31.4**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537784	MW-57D_20210507	MW-57D	05/07/2021	**19.4**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542375	MW-57D_20210603	MW-57D	06/03/2021	**6.1**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548527	MW-57D_20210708	MW-57D	07/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92554137	MW-57D_20210805	MW-57D	08/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559014	MW-57D_20210901	MW-57D	09/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92563804	MW-57D_20210928	MW-57D	09/28/2021	**4.8J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92515213	MW-59D (150-160)	MW-59D	01/06/2021	**6.9**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	**34.3**	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	<100	<100	<100	<100
92515213	DUP-3	MW-59D	01/06/2021	**9.9**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	**35**	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	<100	<100	<100	<100
92522123	MW-59D_20210212	MW-59D	02/12/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**23.3**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526977	MW-59D_20210310	MW-59D	03/10/2021	**5.7**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**13.1**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100

Table 5A
Summary of Monitoring Well Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Well ID	Sample Date	Metals (µg/L)	VOCs (µg/L)																									MADEP VPH (µg/L)			
				Lead	Benzene	Bromochloromethane	Bromodichloromethane	n-Butylbenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	Dibromochloromethane	1,2-Dichloroethane	Diisopropyl ether	Ethylbenzene	Hexachloro-1,3-butadiene	Isopropylbenzene (Cumene)	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	Xylene (Total)	m&p-Xylene	o-Xylene	C5 - C8 Aliphatics	C9 - C12 Aliphatics	C9 - C10 Aromatics	VPH (Total)
NCAC 2L Standards				**15**	**1**	**NE**	**0.6**	**70**	**3000**	**70**	**3**	**100**	**0.4**	**0.4**	**70**	**600**	**0.4**	**70**	**5**	**20**	**6**	**70**	**0.7**	**600**	**2000**	**400**	**400**	**0.03**	**500**	**500**	**500**	**400**	**700**	**200**	**NE**
IMAC Standards				**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
92532417	MW-59D_20210408	MW-59D	04/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537784	MW-59D_20210507	MW-59D	05/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542611	MW-59D_20210604	MW-59D	06/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**0.83**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548787	MW-59D_20210709	MW-59D	07/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**0.55**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92514602	MW-61D(96.5-103.5)	MW-61D	01/04/2021	**8.3**	<0.50	<0.50	**2.8**	<0.50	<1.0	**11.3**	<1.0	<0.50	**0.65**	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	**2**	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	<100	<100	<100	<100
92514602	DUP-1	MW-61D	01/04/2021	**12**	<0.50	<0.50	**3**	<0.50	**1.1**	**11.4**	<1.0	<0.50	**0.55**	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	**1.5**	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	<100	<100	<100	<100
92521555	MW-61D_20210210	MW-61D	02/10/2021	<5	<0.5	<0.5	**3.3**	<0.5	<1	**12.9**	<1	<0.5	**0.89**	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526977	MW-61D_20210310	MW-61D	03/10/2021	<5	<0.5	<0.5	**3.1**	<0.5	<1	**12.0**	<1	<0.5	**0.59**	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92530256	MW-61D_20210407	MW-61D	04/07/2021	<5	<0.5	<0.5	**2.8**	<0.5	<1	**12.0**	<1	<0.5	**0.84**	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537784	MW-61D_20210507	MW-61D	05/07/2021	<5	<0.5	<0.5	**2.8**	<0.5	<1	**12.7**	<1	<0.5	**0.67**	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541993	MW-61D_20210602	MW-61D	06/02/2021	<5	<0.5	<0.5	**2.5**	<0.5	<1	**11.8**	<1	<0.5	**0.60**	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548787	MW-61D_20210709	MW-61D	07/09/2021	<5	<0.5	<0.5	**1.4**	<0.5	<1	**7.1**	<1	<0.5	**0.36J**	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553563	MW-61D_20210804	MW-61D	08/04/2021	<5	<0.5	<0.5	**1.4**	<0.5	<1	**6.6**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559014	MW-61D_20210901	MW-61D	09/01/2021	<5	<0.5	<0.5	**1.6**	<0.5	<1	**8.0**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559014	DUP-2-20210901	MW-61D	09/01/2021	<5	<0.5	<0.5	**1.5**	<0.5	<1	**7.1**	<1	<0.5	**0.41J**	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564336	MW-61D_20210929	MW-61D	09/29/2021	<5.0	<0.5	<0.5	**2.0**	<0.5	<0.5	**9.0**	<0.6	<0.5	**0.38J**	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92515858	MW-62D (125-143)	MW-62D	01/07/2021	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	<100	<100	<100	<100
92522265	MW-62D_20210215	MW-62D	02/15/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526264	MW-62D_20210308	MW-62D	03/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92531580	MW-62D_20210406	MW-62D	04/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	**0.52**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	**2.6**	**1.0**	**1.6**	<50	<50	<50	<50
92537466	MW-62D_20210506	MW-62D	05/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	**0.39J**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**0.68**	<1	<0.5	<0.5	<1	**1.99**	**0.89J**	**1.1**	<50	<50	<50	<50
92541703	MW-62D_20210601	MW-62D	06/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	**0.78**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**3.1**	<1	**0.69**	<0.5	<1	**4.40**	**2.6**	**1.8**	<50	<50	<50	<50
92547899	MW-62D_20210706	MW-62D	07/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	**0.45J**	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**1.7**	<1	<0.5	<0.5	<1	**2.35**	**1.5**	**0.85**	<50	<50	<50	<50
92553185	MW-62D_20210803	MW-62D	08/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**0.93**	<1	<0.5	<0.5	<1	**1.41**	**0.88J**	**0.53**	<50	<50	<50	<50
92558447	MW-62D_20210830	MW-62D	08/30/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1	<1	<0.5	<50	<50	<50	<50
92564327	MW-62D_20210930	MW-62D	09/30/2021	**5.6**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	**0.20J**	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	**0.53**	<0.5	**0.14J**	<0.5	<0.5	**1.19J**	**0.83J**	**0.36J**	<100	<100	<100	NA
92515642	MW-65D (115-150)	MW-65D	01/07/2021	**12.2**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	<100	<100	<100	<100
92515543	DUP-1-20210107	MW-65D	01/07/2021	**20.8**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	<100	<100	<100	<100
92522267	MW-65D_20210215	MW-65D	02/15/2021	**9.6**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1.0	<0.50	<100	<100	<100	<100
92522267	DUP-1-20210215	MW-65D	02/15/2021	**14.4**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**0.53**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526262	MW-65D_20210308	MW-65D	03/08/2021	**12**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92531238	MW-65D-20210405	MW-65D	04/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	**0.53**	<0.5	<1	**3.8**	**2.6**	**1.2**	<50	<50	<50	<50
92536430	MW-65D_20210503	MW-65D	05/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	**1.61**	**1.2**	**0.41J**	<50	<50	<50	<50
92537720	MW-65D_20210507	MW-65D	05/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1	<1	<0.5	<50	<50	<50	<50
92541706	MW-65D_20210601	MW-65D	06/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92547898	MW-65D_20210706	MW-65D	07/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92552963	MW-65D_20210802	MW-65D	08/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558449	MW-65D_20210830	MW-65D	08/30/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564680	MW-65D_20211004	MW-65D	10/04/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	**0.15J**	<0.5	<0.5	<0.5	<0.5	**0.29J**	**0.29J**	<0.5	<100	<100	<100	NA
92527326	MW-79D_20210311	MW-79D	03/11/2021	**10.8**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**7.2**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92531585	MW-79D_20210406	MW-79D	04/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**0.61**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**12**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	**53.9**	<50	<50	**53.9**
92537153	MW-79D_20210505	MW-79D	05/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**4.1**	**0.33J**	<0.5	<0.5	<1	<1	<1	<0.5	<50	<50	<50	<50
92541992	MW-79D_20210602	MW-79D	06/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**2.3**	**0.36J**	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548170	MW-79D_20210707	MW-79D	07/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**6.1**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553519	MW-79D_20210804	MW-79D	08/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**6**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	**61**
92558737	MW-79D_20210831	MW-79D	08/31/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**8.5**	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	**52.5**
92564485	MW-79D_20211001	MW-79D	10/01/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	**0.11J**	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	**8.8**	<0.5	**0.11J**	<0.5	**0.22J**	**0.83J**	**0.58J**	**0.25J**	<100	<100	<100	NA

Table 5A
Summary of Monitoring Well Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Well ID	Sample Date	Metals (µg/L)	VOCs (µg/L)																										MADEP VPH (µg/L)			
				Lead	Benzene	Bromochloromethane	Bromodichloromethane	n-Butylbenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	Dibromochloromethane	1,2-Dichloroethane	Diisopropyl ether	Ethylbenzene	Hexachloro-1,3-butadiene	Isopropylbenzene (Cumene)	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	Xylene (Total)	m&p-Xylene	o-Xylene	C5 - C8 Aliphatics	C9 - C12 Aliphatics	C9 - C10 Aromatics	VPH (Total)
NCAC 2L Standards				**15**	**1**	**NE**	**0.6**	**70**	**3000**	**70**	**3**	**100**	**0.4**	**0.4**	**70**	**600**	**0.4**	**70**	**5**	**20**	**6**	**70**	**0.7**	**600**	**2000**	**400**	**400**	**0.03**	**500**	**500**	**500**	**400**	**700**	**200**	**NE**
IMAC Standards				**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
92548170	MW-81D_20210707	MW-81D	07/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553189	MW-81D_20210803	MW-81D	08/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558741	MW-81D_20210831	MW-81D	08/31/2021	**7.4**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92564485	MW-81D_20211001	MW-81D	10/01/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	**0.13J**	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	**0.43J**	<0.5	<0.5	<0.5	<0.5	**0.72J**	**0.53J**	**0.19J**	<100	<100	<100	NA
92559331	MW-89D_20210902	MW-89D	09/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**1.5**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92561826	MW-89D_20210916	MW-89D	09/16/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	**1.6**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92563487	MW-89D_20210927	MW-89D	09/27/2021	<5	<0.5	<0.5	**0.34J**	<0.5	<0.5	**2.0**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.82J**	**0.58J**	**0.24J**	<100	<100	<100	NA
92561826	MW-90DD_20210916	MW-90DD	09/16/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	**0.72**	<1	<0.5	<0.5	<1	**1.14**	**0.80J**	**0.34J**	<50	<50	<50	<50
92563172	MW-91DD	MW-91DD	09/23/2021	**7.1**	**0.47J**	<0.5	<0.5	**0.51**	<0.5	**0.72**	<1	<0.5	NA	<0.5	<0.5	**2.2**	<0.6	**0.26J**	<5	<0.5	**1.4**	<0.5	<0.5	**6.2**	<0.5	**3.3**	**1.8**	<0.5	**12.6**	**6.7**	**5.9**	<100	**120**	<100	NA
92566046	MW-97D_20211011	MW-97D	10/11/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	**0.16J**	<0.5	<0.5	<0.5	<0.5	**0.47J**	**0.35J**	**0.12J**	<100	<100	<100	NA
92516451	Walker (101-108)	MW-14015_AC_RD	01/13/2021	**81.4**	<2.0	<2.0	**7.5**	<2.0	<4.0	**403**	**4.9**	<2.0	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<8.0	<2.0	<8.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<4.0	<6.0	<4.0	<2.0	**220**	<100	<100	**350**
92516451	Walker (48-55)	MW-14015_AC_RD	01/13/2021	**5.8**	<0.50	<0.50	**3.8**	**5.4**	<1.0	**81.3**	**1.1**	**1.2**	**0.62**	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	<100	<100	<100	**131**
92516451	Dup-9	MW-14015_AC_RD	01/13/2021	**6.2**	<0.50	<0.50	**3.9**	**6.6**	<1.0	**78.7**	<1.0	**1.3**	**0.62**	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	<100	<100	<100	**115**
QC Data																																			
92493062	TB-2	N/A	08/28/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92493708	Trip Blank	N/A	09/02/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92493864	Trip Blank	N/A	09/02/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92494322	Trip Blank	N/A	09/03/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92496397	Trip Blank	N/A	09/18/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92494640	Trip Blank-03	N/A	09/09/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92494923	Trip Blank-03	N/A	09/09/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92494864	Trip Blank-04	N/A	09/10/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92495100	Trip Blank-05	N/A	09/11/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92495103	Trip Blank-05	N/A	09/11/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92495239	Trip Blank-06	N/A	09/13/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92495241	Trip Blank-06	N/A	09/13/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92495244	Trip Blank-06	N/A	09/13/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92495624	Trip Blank-07	N/A	09/15/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92495626	Trip Blank-07	N/A	09/15/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92495627	Trip Blank-07	N/A	09/15/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92495907	Trip Blank-07	N/A	09/16/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92495905	Trip Blank-07	N/A	09/16/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92495906	Trip Blank-07	N/A	09/16/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92496816	TB-20200922	N/A	09/20/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92496817	TB-20200922	N/A	09/22/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92497017	TB-20200923	N/A	09/22/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92497774	TB-20200928	N/A	09/28/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92499587	Trip Blank	N/A	10/07/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92500605	Trip Blank	N/A	10/07/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92500606	Trip Blank	N/A	10/07/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92501343	Trip Blank	N/A	10/20/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92501344	Trip Blank	N/A	10/20/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92501345	Trip Blank	N/A	10/20/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92501355	Trip Blank	N/A	10/20/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92501615	Trip Blank	N/A	10/21/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92501616	TRIP BLANK	N/A	10/21/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92501960	TRIP BLANK	N/A	10/23/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA

Table 5A
Summary of Monitoring Well Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Well ID	Sample Date	Metals (µg/L)	VOCs (µg/L)																									MADEP VPH (µg/L)			
				Lead	Benzene	Bromochloromethane	Bromodichloromethane	n-Butylbenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	Dibromochloromethane	1,2-Dichloroethane	Diisopropyl ether	Ethylbenzene	Hexachloro-1,3-butadiene	Isopropylbenzene (Cumene)	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	Xylene (Total)	m&p-Xylene	o-Xylene	C5 - C8 Aliphatics	C9 - C12 Aliphatics	C9 - C10 Aromatics	VPH (Total)
NCAC 2L Standards				**15**	**1**	**NE**	**0.6**	**70**	**3000**	**70**	**3**	**100**	**0.4**	**0.4**	**70**	**600**	**0.4**	**70**	**5**	**20**	**6**	**70**	**0.7**	**600**	**2000**	**400**	**400**	**0.03**	**500**	**500**	**500**	**400**	**700**	**200**	**NE**
IMAC Standards				**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
92508536	Trip Blank	N/A	11/30/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92508536	Trip Blank 2	N/A	11/30/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92508884	Trip Blank	N/A	12/01/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92509250	Trip Blank	N/A	12/02/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92509252	Trip Blank	N/A	12/02/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92509253	Trip Blank	N/A	12/02/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92509255	Trip Blank	N/A	12/02/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92509251	Trip Blank	N/A	12/02/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92508881	Trip Blank	N/A	12/01/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92509555	Trip Blank	N/A	12/03/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92509560	Trip Blank	N/A	12/03/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92508886	Trip Blank	N/A	12/02/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92514892	Trip Blank	N/A	01/05/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92515214	Trip Blank	N/A	01/06/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92515216	Trip Blank	N/A	01/06/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92514602	Trip Blank	N/A	01/04/2021	NA	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	NA	NA	NA	NA
92514955	Trip Blank	N/A	01/05/2021	NA	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	NA	NA	NA	NA
92515213	TB	N/A	01/06/2021	NA	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	NA	NA	NA	NA
92515075	Trip Blank	N/A	01/06/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92515543	TRIP BLANK	N/A	01/07/2021	NA	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	NA	NA	NA	NA
92515354	Trip Blank	N/A	01/07/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92515387	Trip Blank	N/A	01/07/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92515544	Trip Blank	N/A	01/07/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92515548	Trip Blank	N/A	01/07/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92515755	Trip Blank	N/A	01/09/2021	NA	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	NA	NA	NA	NA
92515762	Trip Blank	N/A	01/10/2021	NA	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	NA	NA	NA	NA
92516451	Trip Blank	N/A	01/12/2021	NA	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	NA	NA	NA	NA
92520901	Trip Blank	N/A	02/08/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92521237	Trip Blank	N/A	02/09/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92521871	TRIP BLANK	N/A	02/11/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92522125	Trip Blank	N/A	02/12/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92521555	Trip Blank	N/A	02/10/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92522267	Trip Blank	N/A	02/15/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92526616	Trip Blank	N/A	03/09/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92526262	Trip Blank	N/A	03/08/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92526264	Trip Blank	N/A	03/08/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92526257	Trip Blank	N/A	03/08/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92526618	TRIP BLANK	N/A	03/09/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92526989	Trip Blank	N/A	03/10/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92526977	Trip Blank	N/A	03/10/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92527327	Trip Blank	N/A	03/11/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92527336	Trip Blank	N/A	03/11/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92527326	Trip Blank	N/A	03/11/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92527474	Trip Blank	N/A	03/12/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92527475	Trip Blank	N/A	03/12/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92531225	Trip Blank	N/A	04/05/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92531227	Trip Blank	N/A	04/05/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA

Table 5A
Summary of Monitoring Well Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Well ID	Sample Date	Metals (µg/L)	VOCs (µg/L)																									MADEP VPH (µg/L)			
				Lead	Benzene	Bromochloromethane	Bromodichloromethane	n-Butylbenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	Dibromochloromethane	1,2-Dichloroethane	Diisopropyl ether	Ethylbenzene	Hexachloro-1,3-butadiene	Isopropylbenzene (Cumene)	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	Xylene (Total)	m&p-Xylene	o-Xylene	C5 - C8 Aliphatics	C9 - C12 Aliphatics	C9 - C10 Aromatics	VPH (Total)
NCAC 2L Standards				**15**	**1**	**NE**	**0.6**	**70**	**3000**	**70**	**3**	**100**	**0.4**	**0.4**	**70**	**600**	**0.4**	**70**	**5**	**20**	**6**	**70**	**0.7**	**600**	**2000**	**400**	**400**	**0.03**	**500**	**500**	**500**	**400**	**700**	**200**	**NE**
IMAC Standards				**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
92531238	Trip Blank	N/A	04/05/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92531231	Trip Blank	N/A	04/05/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92531580	Trip Blank	N/A	04/06/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92531585	Trip Blank	N/A	04/06/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92531581	Trip Blank	N/A	04/06/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92531853	Trip Blank	N/A	04/07/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92532417	Trip Blank	N/A	04/09/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92536428	Trip Blank	N/A	05/03/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92536430	Trip Blank	N/A	05/03/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92536429	Trip Blank	N/A	05/03/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92536726	Trip Blank	N/A	05/04/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92537489	Trip Blank	N/A	05/15/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92537784	Trip Blank	N/A	05/07/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92537784	Trip Blank	N/A	05/07/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92541699	Trip Blank	N/A	06/01/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92541703	TB	N/A	06/01/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92541706	TRIP BLANK	N/A	06/01/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92541705	TRIP BLANK	N/A	06/01/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92542375	Trip Blank 1	N/A	06/03/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92542375	Trip Blank 2	N/A	06/03/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92542611	Trip Blank-1	N/A	06/04/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92542611	Trip Blank-2	N/A	06/04/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92541991	Trip Blank	N/A	06/02/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92541992	Trip Blank	N/A	06/02/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92541993	Trip Blank	N/A	06/02/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92542350	Trip Blank	N/A	06/03/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92542352	Trip Blank	N/A	06/03/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92543881	Trip Blank	N/A	06/11/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92544305	Trip Blank	N/A	06/15/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92547898	Trip Blank	N/A	07/06/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1	<1	<0.5	NA	NA	NA	NA
92547901	Trip Blank	N/A	07/06/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92548170	Trip Blank	N/A	07/07/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92548168	Trip Blank	N/A	07/07/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92548169	Trip Blank	NA	07/07/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92548527	Trip Blank	N/A	07/08/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92548518	Trip Blank	N/A	07/08/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92548519	Trip Blank	N/A	07/08/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92548787	TRIP BLANK	N/A	07/09/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92551297	TRIP BLANK	N/A	07/22/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92551300	TRIP BLANK	N/A	07/22/2021	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
92553065	TRIP BLANK	N/A	08/02/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92552929	TRIP BLANK	N/A	08/02/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92553185	TRIP BLANK	N/A	08/03/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92553189	TRIP BLANK	N/A	08/03/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92553563	TRIP BLANK	NA	08/04/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92553519	TRIP BLANK	NA	08/04/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92554137	Trip Blank	NA	08/05/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA

Table 5A
Summary of Monitoring Well Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Well ID	Sample Date	Metals (µg/L)	VOCs (µg/L)																									MADEP VPH (µg/L)			
				Lead	Benzene	Bromochloromethane	Bromodichloromethane	n-Butylbenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	Dibromochloromethane	1,2-Dichloroethane	Diisopropyl ether	Ethylbenzene	Hexachloro-1,3-butadiene	Isopropylbenzene (Cumene)	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	Xylene (Total)	m&p-Xylene	o-Xylene	C5 - C8 Aliphatics	C9 - C12 Aliphatics	C9 - C10 Aromatics	VPH (Total)
NCAC 2L Standards				**15**	**1**	**NE**	**0.6**	**70**	**3000**	**70**	**3**	**100**	**0.4**	**0.4**	**70**	**600**	**0.4**	**70**	**5**	**20**	**6**	**70**	**0.7**	**600**	**2000**	**400**	**400**	**0.03**	**500**	**500**	**500**	**400**	**700**	**200**	**NE**
IMAC Standards				**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
92554285	TB-2	NA	08/06/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92554285	Trip Blank	NA	08/06/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92558448	TRIP BLANK	NA	08/30/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92558450	TRIP BLANK	NA	08/30/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92558446	TRIP BLANK	NA	08/30/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92558740	TRIP BLANK	NA	08/31/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92558738	TRIP BLANK	NA	08/31/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92559014	TRIP BLANK-1	NA	09/01/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92559014	TRIP BLANK-2	NA	09/01/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92559014	TRIP BLANK-3	NA	09/01/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92559334	TRIP BLANK	NA	09/02/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92559360	TRIP-1	NA	09/02/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92559360	TRIP-2	NA	09/02/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92559360	TRIP-3	NA	09/02/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92563487	TRIP BLANK	NA	09/27/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	**0.90J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	NA	NA	NA	NA
92563804	TRIP BLANK	NA	09/28/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	**0.73J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	NA	NA	NA	NA
92564084	TRIP BLANK	NA	09/29/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	**0.64J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92564327	TRIP BLANK	NA	09/30/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	**0.61J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	NA	NA	NA	NA
92564336	TRIP BLANK	NA	09/30/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	**0.66J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	NA	NA	NA	NA
92565572	Trip Blank	NA	10/07/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92564680	TRIP BLANK	NA	10/04/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	**1.0J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	NA	NA	NA	NA
92564679	TRIP BLANK	NA	10/04/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	**0.92J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	NA	NA	NA	NA
92564770	TRIP BLANK	NA	10/05/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	**1.0J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	NA	NA	NA	NA
92564678	TRIP BLANK	NA	10/04/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	**1.1J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	NA	NA	NA	NA
92566046	TRIP BLANK_20211011	NA	10/11/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	**1.1J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	NA	NA	NA	NA
92499587	EB-1-20201007	N/A	10/07/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92499587	FB-1-20201007	N/A	10/07/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92500605	EB-1-20201007	N/A	10/07/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92500605	FB-1-20201007	N/A	10/07/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92500606	EB-1-20201007	N/A	10/07/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92500606	FB-1-20201007	N/A	10/07/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501616	FB-01-20201021	N/A	10/21/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501860	FB-2-20201022	N/A	10/22/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92501960	FB-3-20201023	N/A	10/23/2020	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92508536	FB-01-20201130	N/A	11/30/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92509251	FB-1-20201202	N/A	12/02/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92509560	FB-1-20201203	N/A	12/03/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92508881	FB-1-20201201	N/A	12/01/2020	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92514598	FB-1-20210104	N/A	01/04/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92514898	FB-1-20210105	N/A	01/05/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92514602	EB-1	N/A	01/04/2021	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	<100	<100	<100	<100
92514602	FB-1	N/A	01/04/2021	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	<100	<100	<100	<100
92514955	EB-1	N/A	01/05/2021	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	<100	<100	<100	<100
92514955	FB-1	N/A	01/05/2021	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	<100	<100	<100	<100
92515213	EB-3	N/A	01/06/2021	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	<100	<100	<100	<100
92515213	FB-3	N/A	01/06/2021	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	<100	<100	<100	<100
92515075	FB-1-20210106	N/A	01/06/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100

Table 5A
Summary of Monitoring Well Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Well ID	Sample Date	Metals (µg/L)	VOCs (µg/L)																									MADEP VPH (µg/L)			
				Lead	Benzene	Bromochloromethane	Bromodichloromethane	n-Butylbenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	Dibromochloromethane	1,2-Dichloroethane	Disopropyl ether	Ethylbenzene	Hexachloro-1,3-butadiene	Isopropylbenzene (Cumene)	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	Xylene (Total)	m&p-Xylene	o-Xylene	C5 - C8 Aliphatics	C9 - C12 Aliphatics	C9 - C10 Aromatics	VPH (Total)
NCAC 2L Standards				**15**	**1**	**NE**	**0.6**	**70**	**3000**	**70**	**3**	**100**	**0.4**	**0.4**	**70**	**600**	**0.4**	**70**	**5**	**20**	**6**	**70**	**0.7**	**600**	**2000**	**400**	**400**	**0.03**	**500**	**500**	**500**	**400**	**700**	**200**	**NE**
IMAC Standards				**--**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
92515543	EB-1-20210107	N/A	01/07/2021	**21.3**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	<100	<100	<100	<100
92515543	FB-1-20210107	N/A	01/07/2021	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	<100	<100	<100	<100
92515544	FB-1-20210107	N/A	01/07/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92515755	EB-1-20210109	N/A	01/09/2021	**9.2**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	<100	<100	<100	<100
92515755	FB-1-20210109	N/A	01/09/2021	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	<100	<100	<100	<100
92515762	EB-6	N/A	01/10/2021	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	<100	<100	<100	<100
92515762	FB-6	N/A	01/10/2021	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	<100	<100	<100	<100
92515869	EB-7	N/A	01/11/2021	**6.9**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	<100	<100	<100	<100
92515869	FB-7	N/A	01/11/2021	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	<100	<100	<100	<100
92516451	EB-8	N/A	01/12/2021	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	<100	<100	<100	<100
92516451	FB-8	N/A	01/12/2021	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	<100	<100	<100	<100
92516451	EB-9	N/A	01/13/2021	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	<100	<100	<100	<100
92516451	FB-9	N/A	01/13/2021	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<1.5	<1.0	<0.50	<100	<100	<100	<100
92520901	FB-1-20210208	N/A	02/08/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92521237	FB-1-20210209	N/A	02/09/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92521851	FB-1-20210211	N/A	02/11/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92522123	EB-1-20210212	N/A	02/12/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92522123	FB-1-20210212	N/A	02/12/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92521555	EB-1-20210210	N/A	02/10/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92521555	FB-1-20210210	N/A	02/10/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92522267	EB-1-20210215	N/A	02/15/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92522267	FB-1-20210215	N/A	02/15/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526264	EB-1-20210308	N/A	03/08/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526264	FB-1-20210308	N/A	03/08/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526616	FB-1-20210309	N/A	03/09/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526618	EB-1-20210309	N/A	03/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526989	FB-1-20210310	N/A	03/10/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92526977	EB-1-20210310	N/A	03/10/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<100	<100	<100	<100
92527326	EB-1-20210311	N/A	03/11/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92527326	FB-1-20210311	N/A	03/11/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92527475	FB-1-20210312	N/A	03/12/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92531225	FB-1-20210405	N/A	04/05/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92531238	FB-1-20210405	N/A	04/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92531580	EB-1-20210406	N/A	04/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92530256	EB-1-20210407	N/A	04/07/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92531581	FB-1-20210406	N/A	04/06/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	**66.8**	<50	**64.7**
92531853	FB-1-20210407	N/A	04/07/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92532417	EB-1-20210409	N/A	04/09/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92532417	FB-1-20210408	N/A	04/08/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92532417	FB-1-20210409	N/A	04/09/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92536428	FB-1-20210503	N/A	05/03/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537489	EB-1-20210506	N/A	05/06/2021	**4.6J**	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	**3.2**	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537489	FB-1-20210506	N/A	05/06/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92537784	FB-1-20210507	N/A	05/07/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	**2.8 C0**	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541699	FB-1-20210601	N/A	06/01/2021	NA	<0.5	<0.5	**0.52**	<0.5	<1	**2.0**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541703	EB-1-20210601	N/A	06/01/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	**3.3**	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541705	FB-2-20210601	N/A	06/01/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	**0.38J**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	**3.6**	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50

Table 5A
Summary of Monitoring Well Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Well ID	Sample Date	Metals (µg/L)	VOCs (µg/L)																									MADEP VPH (µg/L)			
				Lead	Benzene	Bromochloromethane	Bromodichloromethane	n-Butylbenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	Dibromochloromethane	1,2-Dichloroethane	Diisopropyl ether	Ethylbenzene	Hexachloro-1,3-butadiene	Isopropylbenzene (Cumene)	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	Xylene (Total)	m&p-Xylene	o-Xylene	C5 - C8 Aliphatics	C9 - C12 Aliphatics	C9 - C10 Aromatics	VPH (Total)
NCAC 2L Standards				**15**	**1**	**NE**	**0.6**	**70**	**3000**	**70**	**3**	**100**	**0.4**	**0.4**	**70**	**600**	**0.4**	**70**	**5**	**20**	**6**	**70**	**0.7**	**600**	**2000**	**400**	**400**	**0.03**	**500**	**500**	**500**	**400**	**700**	**200**	**NE**
IMAC Standards				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
92542375	EB-1-20210603	N/A	06/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542375	FB-2-20210603	N/A	06/03/2021	NA	<0.5	<0.5	**0.34J**	<0.5	<0.5	<1	**1.2**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542611	EB-1-20210604	N/A	06/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542611	FB-1-20210604	N/A	06/04/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542611	FB-2-20210604	N/A	06/04/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541991	DUP-1-20210602	N/A	06/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541991	FB-1-20210602	N/A	06/02/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	**4.4**	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541993	EB-1-20210602	N/A	06/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	**4.8**	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92541993	FB-2-20210602	N/A	06/02/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	**4.6**	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92542352	FB-1-20210603	N/A	06/03/2021	NA	<0.5	<0.5	**0.36J**	<0.5	<0.5	<1	**1.2**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92544305	FB-1	N/A	06/15/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1	<1	<0.5	<50	<50	<50	<50
92548170	EB-1-20210707	N/A	07/07/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548169	FB-1-20210707	N/A	07/07/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548168	FB-2-20210707	N/A	07/07/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548518	FB-1-20210708	N/A	07/08/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548519	EB-1-20210708	N/A	07/08/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548519	FB-2-20210708	N/A	07/08/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548787	FB-1-20210709	N/A	07/09/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92548787	FB-2-20210709	N/A	07/09/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92551297	FB-1-20210722	N/A	07/22/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	NA	NA	NA	NA
92551300	EB-1-20210722	N/A	07/22/2021	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
92553065	EB-2-20210802	N/A	08/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553065	FB-1-20210802	N/A	08/02/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92552929	EB-1-20210802	N/A	08/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92552963	FB-2-20210802	N/A	08/02/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553185	EB-1-20210803	N/A	08/03/2021	<5	**0.69**	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	**0.35J**	<2	<0.5	**2**	<0.5	<2	<0.5	<0.5	**2.6**	<1	<0.5	<0.5	<1	**2.48**	**1.6**	**0.88**	<50	<50	<50	<50
92553185	FB-1-20210803	N/A	08/03/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.6	<1	<0.5	<50	<50	<50	<50
92553189	EB-2-20210803	N/A	08/03/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553189	FB-2-20210803	N/A	08/03/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553563	EB-2-20210804	N/A	08/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553563	FB-2-20210804	N/A	08/04/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553519	EB-1-20210804	N/A	08/04/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92553519	FB-1-20210804	N/A	08/04/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92554137	EB-1-20210805	NA	08/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92554137	EB-2-20210805	NA	08/05/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	**0.65**	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92554137	FB-1-20210805	NA	08/05/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92554137	FB-2-20210805	NA	08/05/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92554285	EB-1-20210806	NA	08/06/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92554285	FB-1-20210806	NA	08/06/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559334	FB-1-20210902	NA	9/2/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558446	EB-1 20210830	NA	08/30/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558450	EB-2-20210830	NA	08/30/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558446	FB-1-20210830	NA	08/30/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558448	FB-2-20210830	NA	08/30/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558740	EB-20210831	NA	08/31/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	**15.9**	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558738	EB-1-20210831	NA	08/31/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	**16.5**	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92558738	FB-1-20210831	NA	08/31/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50

Table 5A
Summary of Monitoring Well Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Well ID	Sample Date	Metals (µg/L)	VOCs (µg/L)																									MADEP VPH (µg/L)			
				Lead	Benzene	Bromochloromethane	Bromodichloromethane	n-Butylbenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	Dibromochloromethane	1,2-Dichloroethane	Diisopropyl ether	Ethylbenzene	Hexachloro-1,3-butadiene	Isopropylbenzene (Cumene)	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	Xylene (Total)	m&p-Xylene	o-Xylene	C5 - C8 Aliphatics	C9 - C12 Aliphatics	C9 - C10 Aromatics	VPH (Total)
NCAC 2L Standards				**15**	**1**	**NE**	**0.6**	**70**	**3000**	**70**	**3**	**100**	**0.4**	**0.4**	**70**	**600**	**0.4**	**70**	**5**	**20**	**6**	**70**	**0.7**	**600**	**2000**	**400**	**400**	**0.03**	**500**	**500**	**500**	**400**	**700**	**200**	**NE**
IMAC Standards				**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
92558738	FB-2-20210831	NA	08/31/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559014	EB-1-20210901	NA	09/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559014	EB-2-20210901	NA	09/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559014	FB-1-20210901	NA	09/01/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559014	FB-2-20210901	NA	09/01/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559360	EB-1-20210902	NA	09/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559360	EB-2-20210902	NA	09/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92559360	FB-2-20210902	NA	09/02/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	<50	<50
92561826	EB-1-20210916	NA	09/16/2021	<5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	NA	<50
92561826	FB-1-20210916	NA	09/16/2021	NA	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2	<0.5	<2	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<1.5	<1	<0.5	<50	<50	NA	<50
92563487	EB-1-20210927	NA	09/27/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	**1.6J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92563487	FB-1-20210927	NA	09/27/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	**1.5J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92563804	EB-1-20210928	NA	09/28/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	**1.1J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92563804	FB-1-20210928	NA	09/28/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	**1.2J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92564084	EB-1-20210929	NA	09/29/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	**0.79J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92564084	FB-1-20210929	NA	09/29/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	**0.92J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92564492	EB-1-20211001	NA	10/01/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	**0.65J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92564492	FB-1-20211001	NA	10/01/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	**0.85J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92564336	EB-1-20210931	NA	09/30/2021	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	**1.2J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92564336	FB-1-20210930	NA	09/30/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	**1.5J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92564678	EB-1-20211004	NA	10/04/2021	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	**0.88J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA
92564678	FB-1-20211004	NA	10/04/2021	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	**1.0J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<1	<0.5	<100	<100	<100	NA

Notes:
NA - Not Analyzed
NE - Not Established
All units reported in micrograms per liter (µg/L)
Only detected constituents are shown
NCAC 2L Standard - North Carolina 15A NCAC 2L Groundwater Standard
"<" - Indicates compound was not detected above laboratory reporting limit
Lead - analyzed by Method 6010D
VOCs - Volatile Organic Compounds analyzed by Method SM 6200B
MADEP - Massachusetts Department of Environmental Protection; as required by North Carolina Department of Environmental Quality
VPH - Volatile Petroleum Hydrocarbon
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
C0 - Result confirmed by second analysis
Bold values indicate compound was detected above laboratory reporting limit
Blue shading indicates an exceedance of NCAC 2L Standard
Samples beginning with "DUP" are field duplicates and co-samples of the preceeding row
IMAC - Interim Maximum Allowable Concentration
ID - Identification

Table 5B
Summary of Monitoring Well Select Oxygenate Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Well ID / WSW Address	Sample Date	Alcohol-Glycol (mg/L)	VOCs (µg/L)				
				n-Butanol	Ethanol	Ethyl-tert-butyl ether	tert-Amyl Alcohol	tert-Amylmethyl ether	tert-Butyl Alcohol
IMAC Standards				**0.7**	**4,000**	**47**	**NE**	**128**	**10**
NCAC 2L Standards				**NE**	**--**	**--**	**--**	**--**	**--**
Surficial Unit Monitoring Wells									
92554137	MW-01_20210805	MW-01	08/05/2021	<0.2	<200	<10	<100	<10	<50
92554285	MW-02_20210806	MW-02	08/06/2021	<0.2	<200	<10	<100	<10	<50
92554137	MW-03_20210805	MW-03	08/05/2021	<0.2	<200	<10	<100	<10	<50
92554285	MW-04_20210806	MW-04	08/06/2021	<0.2	<200	<10	<100	<10	<50
92554285	MW-05_20210806	MW-05	08/06/2021	<0.2	<200	<10	<100	<10	<50
92553563	MW-06_20210804	MW-06	08/04/2021	<0.2	<200	<10	<100	<10	<50
92554137	MW-07_20210805	MW-07	08/05/2021	<0.2	<200	<10	<100	<10	<50
92553185	MW-08_20210803	MW-08	08/03/2021	<0.2	<200	<10	<100	<10	<50
92553563	MW-09_20210804	MW-09	08/04/2021	<0.2	<200	<10	<100	<10	<50
92554285	MW-12_20210806	MW-12	08/06/2021	<0.2	<200	<10	<100	<10	<50
92553185	MW-13_20210803	MW-13	08/03/2021	<0.2	<200	<10	<100	<10	<50
92553185	MW-14_20210803	MW-14	08/03/2021	<0.2	<200	<10	<100	<10	<50
92554285	MW-15_20210806	MW-15	08/06/2021	<0.2	<200	<10	<100	<10	<50
92553519	MW-16_20210804	MW-16	08/04/2021	<0.2	<200	<10	<100	<10	<50
92553519	MW-17_20210804	MW-17	08/04/2021	<0.2	<200	<10	<100	<10	<50
92553189	MW-19_20210803	MW-19	08/03/2021	<5	<8000	<400	<4000	<400	<2000
92553563	MW-20_20210804	MW-20	08/04/2021	<0.2	<200	<10	<100	<10	<50
92553189	MW-21_20210803	MW-21	08/03/2021	<5	<200	<10	<100	**3.6J**	<50
92553189	MW-23_20210803	MW-23	08/03/2021	<5	<200	<10	<100	<10	<50
92553563	MW-25_20210804	MW-25	08/04/2021	<0.2	<200	<10	<100	<10	<50
92554137	MW-27_20210805	MW-27	08/05/2021	<0.2	<200	<10	<100	<10	<50
92553519	MW-28_20210804	MW-28	08/04/2021	<0.2	<200	<10	<100	<10	<50
92553519	DUP-1-20210804	MW-28	08/04/2021	<0.2	<200	<10	<100	<10	<50
92554137	MW-29_20210805	MW-29	08/05/2021	<2.0	<8000	<400	<4000	<400	<2000
92553563	MW-30_20210804	MW-30	08/04/2021	<0.2	<200	<10	<100	<10	<50
92553189	MW-31_20210803	MW-31	08/03/2021	<5	<200	<10	<100	<10	<50
92553189	DUP-1-20210803	MW-31	08/03/2021	<5	<200	<10	<100	<10	<50
92554137	MW-32_20210805	MW-32	08/05/2021	<0.2	<200	<10	<100	<10	<50
92554137	MW-33_20210805	MW-33	08/05/2021	<0.2	<200	<10	<100	<10	<50
92553563	MW-34_20210804	MW-34	08/04/2021	<0.2	<200	<10	<100	<10	<50
92554137	MW-35_20210805	MW-35	08/05/2021	<0.2	<200	<10	<100	<10	<50
92554285	MW-36_20210806	MW-36	08/06/2021	<0.2	<200	<10	<100	<10	<50
92553563	MW-38_20210804	MW-38	08/04/2021	<0.2	<2000	<100	<1000	**50.4J**	<500
92553563	MW-41_20210804	MW-41	08/04/2021	<0.2	<200	<10	<100	<10	<50
92552929	MW-42_20210802	MW-42	08/02/2021	<5	<200	<10	<100	<10	<50
92554137	MW-43_20210805	MW-43	08/05/2021	<0.2	<200	<10	<100	<10	<50
92553185	MW-44_20210803	MW-44	08/03/2021	<0.2	<200	<10	<100	<10	<50
92553065	MW-45_20210802	MW-45	08/02/2021	<5	<200	<10	<100	<10	<50
92553185	MW-46_20210803	MW-46	08/03/2021	<0.2	<200	<10	<100	<10	<50
92553065	MW-49_20210802	MW-49	08/02/2021	<5	<200	<10	<100	<10	<50
92553185	MW-50_20210803	MW-50	08/03/2021	<5	<400	<20	**114J**	<20	<100
92553065	MW-51_20210802	MW-51	08/02/2021	<5	<200	<10	<100	<10	<50
92553065	DUP-2-20210802	MW-51	08/02/2021	<5	<200	<10	<100	<10	<50
92554137	MW-52_20210805	MW-52	08/05/2021	<0.2	<800	<40	<400	<40	<200
92554137	MW-53_20210805	MW-53	08/05/2021	<0.2	<200	<10	<100	<10	<50
92554137	DUP-2-20210805	MW-53	08/05/2021	<0.2	<200	<10	<100	<10	<50
92554137	MW-54_20210805	MW-54	08/05/2021	<0.2	<2000	<100	<1000	<100	<500
92553563	MW-56_20210804	MW-56	08/04/2021	<0.2	<200	<10	<100	<10	<50
92553563	MW-57_20210804	MW-57	08/04/2021	<0.2	<200	<10	<100	<10	<50
92554137	MW-58_20210805	MW-58	08/05/2021	<0.2	<200	<10	<100	<10	<50
92554137	MW-59_20210805	MW-59	08/05/2021	<0.2	<200	<10	<100	<10	<50
92553185	MW-60_20210803	MW-60	08/03/2021	<0.2	<200	<10	<100	<10	<50
92553065	MW-62_20210802	MW-62	08/02/2021	<5	<200	<10	<100	<10	<50
92554137	MW-63_20210805	MW-63	08/05/2021	<0.2	<200	<10	<100	<10	<50
92552963	MW-64_20210802	MW-64	08/02/2021	<5	<200	<10	<100	<10	<50
92552963	MW-65_20210802	MW-65	08/02/2021	<5	<200	<10	<100	<10	<50
92552929	MW-66_20210802	MW-66	08/02/2021	<5	<200	<10	<100	<10	<50
92552929	MW-67_20210802	MW-67	08/02/2021	<5	<200	<10	<100	<10	<50
92552929	DUP-1 20210802	MW-67	08/02/2021	<5	<200	<10	<100	<10	<50
92552929	MW-68_20210802	MW-68	08/02/2021	<5	<200	<10	<100	<10	<50
92553563	MW-69_20210804	MW-69	08/04/2021	<0.2	<200	<10	<100	<10	<50

Table 5B
Summary of Monitoring Well Select Oxygenate Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Well ID / WSW Address	Sample Date	Alcohol-Glycol (mg/L)	VOCs (µg/L)				
				n-Butanol	Ethanol	Ethyl-tert-butyl ether	tert-Amyl Alcohol	tert-Amylmethyl ether	tert-Butyl Alcohol
IMAC Standards				**0.7**	**4,000**	**47**	**NE**	**128**	**10**
NCAC 2L Standards				**NE**	**--**	**--**	**--**	**--**	**--**
92552963	MW-70_20210802	MW-70	08/02/2021	<5	<200	<10	<100	<10	<50
92554137	MW-71_20210805	MW-71	08/05/2021	<0.2	<800	<40	<400	<40	<200
92553065	MW-73_20210802	MW-73	08/02/2021	<5	<200	<10	<100	<10	<50
92552963	MW-74_20210802	MW-74	08/02/2021	<5	<200	<10	<100	<10	<50
92552963	MW-75_20210802	MW-75	08/02/2021	<5	<200	<10	<100	<10	<50
92553185	MW-76_20210803	MW-76	08/03/2021	<0.2	<200	<10	<100	<10	<50
92553185	DUP-2-20210803	MW-76	08/03/2021	<0.2	<200	<10	<100	<10	<50
92553189	MW-77_20210803	MW-77	08/03/2021	<5	<200	<10	<100	<10	<50
92553189	MW-78_20210803	MW-78	08/03/2021	<5	<200	<10	<100	<10	<50
92553189	MW-79_20210803	MW-79	08/03/2021	<5	<200	<10	<100	<10	<50
92553189	MW-80_20210803	MW-80	08/03/2021	<5	<200	<10	<100	<10	<50
92553189	MW-81_20210803	MW-81	08/03/2021	<5	<200	<10	<100	<10	<50
92553189	MW-82_20210803	MW-82	08/03/2021	<5	<200	<10	<100	<10	<50
92553519	MW-83_20210804	MW-83	08/04/2021	<0.2	<200	<10	<100	<10	<50
92553189	MW-84_20210803	MW-84	08/03/2021	<5	<200	<10	<100	<10	<50
92553065	MW-86_20210802	MW-86	08/02/2021	<5	<200	<10	<100	<10	<50
92553563	MW-87_20210804	MW-87	08/04/2021	<0.2	<200	<10	<100	<10	<50
92553563	DUP-2-20210804	MW-87	08/04/2021	<0.2	<200	<10	<100	<10	<50
92553563	MW-88_20210804	MW-88	08/04/2021	<0.2	<200	<10	<100	<10	<50
92553563	MW-89_20210804	MW-89	08/04/2021	<0.2	<200	<10	<100	<10	<50
92554137	MW-92_20210805	MW-92	08/05/2021	<0.2	<200	<10	<100	<10	<50
92554137	MW-93_20210805	MW-93	08/05/2021	<0.2	<200	<10	<100	<10	<50
Bedrock Unit Monitoring Wells									
92554137	MW-07D_20210805	MW-07D	08/05/2021	<0.2	<200	<10	<100	<10	<50
92554137	DUP-1-20210805	MW-07D	08/05/2021	<0.2	<200	<10	<100	<10	<50
92553065	MW-14D_20210802	MW-14D	08/02/2021	<5	<200	<10	<100	<10	<50
92553519	MW-16D_20210804	MW-16D	08/04/2021	<0.2	<200	<10	<100	<10	<50
92553189	MW-31D_20210803	MW-31D	08/03/2021	<5	<200	<10	<100	<10	<50
92554137	MW-57D_20210805	MW-57D	08/05/2021	<0.2	<200	<10	<100	<10	<50
92553563	MW-61D_20210804	MW-61D	08/04/2021	<0.2	<200	<10	<100	<10	<50
92553185	MW-62D_20210803	MW-62D	08/03/2021	<0.2	<200	<10	<100	<10	<50
92552963	MW-65D_20210802	MW-65D	08/02/2021	<5	<200	<10	<100	<10	<50
92553519	MW-79D_20210804	MW-79D	08/04/2021	<0.2	<200	<10	<100	<10	<50
92553189	MW-81D_20210803	MW-81D	08/03/2021	<5	<200	<10	<100	<10	<50
Water Supply Well Data									
92554512	13800_HC_RD_20210810	13800_HC_RD	08/10/2021	<0.2	<200	<10	<100	<10	<50
92554466	13835_AC_RD_20210810	13835_HC_RD	08/10/2021	<0.2	<200	<10	<100	<10	<50
92554518	13926A_HC_RD_20210810	13926A_HC_RD	08/10/2021	<0.2	<200	<10	<100	<10	<50
92554504	13926B_HC_RD_20210810	13926B_HC_RD	08/10/2021	<0.2	<200	<10	<100	<10	<50
92554456	14226_HC_RD_20210810	14226_HC_RD	08/10/2021	<0.2	<200	<10	<100	<10	<50
92554497	14401_HC_RD_20210810	14401_HC_RD	08/10/2021	<0.2	<200	<10	<100	<10	<50
92554531	DUP-1_20210810	14401_HC_RD	08/10/2021	<0.2	<200	<10	<100	<10	<50
QC Data									
92552929	TRIP BLANK	N/A	08/02/2021	NA	<200	<10	<100	<10	<50
92553065	TRIP BLANK	N/A	08/02/2021	NA	<200	<10	<100	<10	<50
92553189	TRIP BLANK	N/A	08/03/2021	NA	<200	<10	<100	<10	<50
92553185	TRIP BLANK	N/A	08/03/2021	NA	<200	<10	<100	<10	<50
92553519	TRIP BLANK	N/A	08/04/2021	NA	<200	<10	<100	<10	<50
92553563	TRIP BLANK	N/A	08/04/2021	NA	<200	<10	<100	<10	<50
92554137	Trip Blank	N/A	08/05/2021	NA	<200	<10	<100	<10	<50
92554285	TB-2	N/A	08/06/2021	NA	<200	<10	<100	<10	<50
92554285	Trip Blank	N/A	08/06/2021	NA	<200	<10	<100	<10	<50
92554531	Trip Blank	N/A	08/10/2021	NA	<200	<10	<100	<10	<50
92552929	EB-1-20210802	N/A	08/02/2021	<5	<200	<10	<100	<10	<50
92553065	EB-2-20210802	N/A	08/02/2021	<5	<200	<10	<100	<10	<50
92553065	FB-1-20210802	N/A	08/02/2021	<5	<200	<10	<100	<10	<50
92552963	FB-2-20210802	N/A	08/02/2021	<5	<200	<10	<100	<10	<50

Table 5B
Summary of Monitoring Well Select Oxygenate Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Well ID / WSW Address	Sample Date	Alcohol-Glycol (mg/L)	VOCs (µg/L)				
				n-Butanol	Ethanol	Ethyl-tert-butyl ether	tert-Amyl Alcohol	tert-Amylmethyl ether	tert-Butyl Alcohol
IMAC Standards				**0.7**	**4,000**	**47**	**NE**	**128**	**10**
NCAC 2L Standards				**NE**	**--**	**--**	**--**	**--**	**--**
92553189	EB-2-20210803	N/A	08/03/2021	<5	<200	<10	<100	<10	<50
92553189	FB-2-20210803	N/A	08/03/2021	<5	<200	<10	<100	<10	<50
92553185	EB-1-20210803	N/A	08/03/2021	<0.2	<200	<10	<100	<10	<50
92553185	FB-1-20210803	N/A	08/03/2021	<0.2	<200	<10	<100	<10	<50
92553563	EB-2-20210804	N/A	08/04/2021	<0.2	<200	<10	<100	<10	<50
92553563	FB-2-20210804	N/A	08/04/2021	<0.2	<200	<10	<100	<10	<50
92553519	EB-1-20210804	N/A	08/04/2021	<0.2	<200	<10	<100	<10	<50
92553519	FB-1-20210804	N/A	08/04/2021	<0.2	<200	<10	<100	<10	<50
92554137	EB-1-20210805	N/A	08/05/2021	<0.2	<200	<10	<100	<10	<50
92554137	EB-2-20210805	N/A	08/05/2021	<0.2	<200	<10	<100	<10	<50
92554137	FB-1-20210805	N/A	08/05/2021	<0.2	<200	<10	<100	<10	<50
92554137	FB-2-20210805	N/A	08/05/2021	<0.2	<200	<10	<100	<10	<50
92554285	EB-1-20210806	N/A	08/06/2021	<5	<200	<10	<100	<10	<50
92554285	FB-1-20210806	N/A	08/06/2021	<5	<200	<10	<100	<10	<50
92554531	FB-1-20210810	N/A	08/10/2021	NA	<200	<10	<100	<10	<50

Notes:
NA - Not Analyzed
NE - Not Established
N/A - Not Applicable
All units reported in micrograms per liter (µg/L) except n-Butanol reported in milligrams per liter (mg/L)
NCAC 2L Standard - North Carolina 15A NCAC 2L Groundwater Standard
IMAC - Interim Maximum Allowable Concentration
"<" - Indicates compound was not detected above laboratory reporting limit
All analytes analyzed by Method SM 6200B
J - Estimated concentration above the method detection limit and below the reporting limit
Bold values indicate compound was detected above laboratory reporting limit
Blue shading indicates an exceedance of NCAC 2L Standard or IMAC Standard
Samples beginning with "DUP" are field duplicates and co-samples of the preceeding row
ID - Identification

Table 6
Well Construction Table

Colonial Pipeline Company
2020-L1-2448
Huntersville, North Carolina

Well ID	Northing	Easting	Ground Surface Elevation[1]	Top Of Casing Elevation[1]	Total Boring Depth (ft)	Total Well Depth (ft BTOC)	Bottom of well Elevation	Screen Length	Bottom of Screened Interval	Top of Screened Interval
Recovery Wells										
RW-01	610358.851	1461902.198	731.44	732.08	35	35.64	696.44	25	696.44	721.44
RW-02	610334.192	1461883.408	730.41	732.05	40	41.63	690.41	30	690.41	720.41
RW-03	610345.960	1461708.668	728.40	731.51	35	38.11	693.40	25	693.40	718.40
RW-04	610256.842	1461913.568	730.15	729.41	38	37.26	692.15	15	692.15	707.15
RW-05	610238.256	1461801.370	726.93	726.29	40	39.37	686.93	30	686.93	716.93
RW-06	610285.505	1462053.274	735.55	734.78	60	59.23	675.55	45	675.55	720.55
RW-07	610763.578	1462119.184	724.33	726.92	45	47.58	679.33	30	679.33	709.33
RW-08	610659.762	1461977.921	727.35	730.40	47	50.06	680.35	15	680.35	695.35
RW-09	610358.716	1461795.328	729.18	730.09	40	40.92	689.18	30	689.18	719.18
RW-10	610421.514	1461842.528	731.32	731.87	30	30.55	701.32	20	701.32	721.32
RW-11	610205.131	1461768.249	726.82	725.94	39	38.12	687.82	30	687.82	717.82
RW-12	610715.976	1462058.795	724.41	726.61	35	37.20	689.41	25	689.41	714.41
RW-13	610607.910	1461899.969	729.24	732.30	35	38.05	694.24	25	694.24	719.24
RW-14	610551.407	1461825.520	728.18	732.14	36	39.96	692.18	25	692.18	717.18
RW-15	610678.059	1461764.372	721.01	723.99	44	46.98	677.01	30	677.01	707.01
RW-16	610481.073	1461759.529	729.50	732.10	43	45.60	686.50	30	686.50	716.50
RW-17	610647.245	1461924.444	726.46	729.57	17	20.11	709.46	10	709.46	719.46
RW-18	610559.627	1462038.687	735.55	737.96	48	50.41	687.55	35	687.55	722.55
RW-19	610701.208	1461720.481	718.03	722.02	50	53.99	668.03	40	668.03	708.03
RW-20	610582.916	1461867.628	728.63	731.69	35	38.05	693.63	25	693.63	718.63
RW-21	610510.245	1461795.347	729.02	731.68	47	49.67	682.02	35	682.02	717.02
RW-22	610243.453	1461850.454	727.48	727.54	40	40.07	687.48	30	687.48	717.48
RW-23	610566.088	1461673.972	722.31	724.85	44	46.53	678.31	30	678.31	708.31
RW-24	610260.333	1461952.839	731.82	731.18	43	42.36	688.82	30	688.82	718.82
RW-25	610633.402	1461743.894	721.18	724.92	52	55.74	669.18	40	669.18	709.18
RW-26	610137.840	1461903.832	726.37	725.72	36	35.35	690.37	25	690.37	715.37
RW-27	610859.042	1462062.133	719.15	722.46	40	43.31	679.15	30	679.15	709.15
RW-28	610154.809	1462013.932	730.16	729.51	50	49.35	680.16	40	680.16	720.16
RW-29	610811.013	1462018.039	719.41	719.80	48	48.39	671.41	35	671.41	706.41
RW-30	610779.098	1461844.783	716.67	717.30	39	39.63	677.67	30	677.67	707.67
RW-31	610862.378	1461926.349	713.59	717.24	47	50.65	666.59	35	666.59	701.59
RW-33	610920.500	1462010.591	713.56	716.59	60	63.03	653.56	40	653.56	693.56
RW-34	610607.413	1462110.168	734.44	735.92	51	52.48	683.44	30	683.44	713.44
RW-35	610374.603	1462042.916	739.41	740.16	57	57.76	682.41	45	682.41	727.41
RW-36	610406.662	1462092.338	740.81	741.45	64	64.64	676.81	20	676.81	696.81
RW-37	610422.318	1462158.484	741.92	742.78	70	70.86	671.92	30	671.92	701.92
RW-38	610372.332	1461966.929	736.45	737.33	47	47.87	689.45	30	689.45	719.45
RW-39	610647.625	1461610.626	718.72	721.77	48	51.05	670.72	35	670.72	705.72
RW-40	610586.546	1461561.167	719.98	722.94	41	43.96	678.98	20	678.98	698.98
RW-41	610413.884	1461933.784	734.20	735.51	34	35.31	700.20	20	700.20	720.20
RW-42	610395.476	1461891.387	732.05	733.80	31	32.75	701.05	15	701.05	716.05
RW-43	610502.816	1461965.191	737.09	737.70	43	43.61	694.09	20	694.09	714.09
RW-44	610452.234	1461993.114	736.83	738.21	34	35.38	702.83	15	702.83	717.83
RW-45	610768.582	1462009.320	720.81	722.04	41	42.23	679.81	25	679.81	704.81
RW-46	610832.503	1461954.045	716.03	716.66	44	44.63	672.03	30	672.03	702.03
RW-47	610572.612	1461770.084	724.60	725.40	41	41.80	683.60	30	683.60	713.60
RW-48	610400.097	1462239.054	740.34	741.03	65	65.69	675.34	40	675.34	715.34
RW-49	610180.204	1462017.661	731.51	730.47	50	48.96	681.51	20	681.51	701.51
RW-50	610214.261	1462082.755	734.71	733.87	65	64.16	669.71	30	669.71	699.71
RW-51	610233.119	1462068.452	734.97	734.12	65	64.15	669.97	30	669.97	699.97
RW-52	610200.976	1461921.076	727.93	726.96	38	37.03	689.93	15	689.93	704.93
RW-53	610200.979	1461856.181	726.49	725.48	33	31.99	693.49	20	693.49	713.49
RW-54	610136.885	1461982.268	728.36	727.86	47	46.50	681.36	30	681.36	711.36
RW-55	610037.835	1461917.453	723.90	723.05	36	35.15	687.90	15	687.90	702.90
RW-56	610070.106	1461962.447	724.89	723.99	46	45.10	678.89	25	678.89	703.89
RW-57	610877.728	1461922.725	712.74	713.57	48	48.83	664.74	35	664.74	699.74
RW-58	610867.716	1461941.241	713.76	714.85	50.5	51.59	663.26	40	663.26	703.26
RW-59	610876.396	1461956.542	713.79	714.75	55.5	56.46	658.29	40	658.29	698.29
RW-60	610889.871	1461952.783	713.27	714.09	57	57.82	656.27	45	656.27	701.27

Table 6
Well Construction Table

Colonial Pipeline Company
2020-L1-2448
Huntersville, North Carolina

Well ID	Northing	Easting	Ground Surface Elevation[1]	Top Of Casing Elevation[1]	Total Boring Depth (ft)	Total Well Depth (ft BTOC)	Bottom of well Elevation	Screen Length	Bottom of Screened Interval	Top of Screened Interval
RW-61	610911.685	1461966.605	713.01	713.59	61	61.58	652.01	50	652.01	702.01
RW-62	610892.486	1461994.954	715.05	716.21	55	56.16	660.05	45	660.05	705.05
RW-63	610836.916	1461942.246	715.51	716.42	42.3	43.21	673.21	30	673.21	703.21
RW-64	610825.144	1461934.279	715.96	716.89	32	32.93	683.96	20	683.96	703.96
RW-65	610826.861	1461977.101	717.31	718.07	40	40.76	677.31	25	677.31	702.31
RW-66	610845.523	1462016.894	717.13	718.01	45	45.88	672.13	30	672.13	702.13
RW-67	610854.066	1461985.543	714.32	716.58	50.3	52.55	664.02	35	664.02	699.02
RW-68	610843.333	1461936.421	715.14	716.02	44.5	45.38	670.64	30	670.64	700.64
RW-69	610818.020	1461955.348	716.90	717.51	35	35.61	681.90	20	681.90	701.90
RW-70	--	--	--	--	48	--	--	15	--	--
RW-71	610952.935	1462037.549	713.96	714.52	60.5	61.06	653.46	45	653.46	698.46
RW-72	610970.585	1461998.913	711.08	711.57	56	56.49	655.08	40	655.08	695.08
RW-73	610945.525	1461945.334	709.55	709.82	56	56.27	653.55	45	653.55	698.55
RW-74	610915.530	1461881.731	707.38	707.44	71.5	71.56	635.88	55	635.88	690.88
RW-75	--	--	--	--	52	--	--	20	--	--
RW-76	--	--	--	--	50	--	--	35	--	--
RW-77	--	--	--	--	56	--	--	40	--	--
RW-78	--	--	--	--	64	--	--	55	--	--

Table 6
Well Construction Table

Colonial Pipeline Company
2020-L1-2448
Huntersville, North Carolina

Well ID	Northing	Easting	Ground Surface Elevation[1]	Top Of Casing Elevation[1]	Total Boring Depth (ft)	Total Well Depth (ft BTOC)	Bottom of well Elevation	Screen Length	Bottom of Screened Interval	Top of Screened Interval
Surficial Unit Monitoring Wells										
MW-01	610872.421	1461603.523	708.99	711.86	34	36.88	674.99	15	674.99	689.99
MW-02	610823.419	1461424.282	709.42	712.53	34	37.11	675.42	15	675.42	690.42
MW-03	610971.458	1461854.767	700.57	703.64	27	30.07	673.57	10	673.57	683.57
MW-04	610775.085	1461415.603	712.26	715.04	40	42.78	672.26	30	672.26	702.26
MW-05	610997.941	1461596.988	704.28	707.30	39	42.02	665.28	30	665.28	695.28
MW-06	610954.120	1461495.917	703.43	706.34	40	42.91	663.43	30	663.43	693.43
MW-07	610983.987	1462042.726	709.19	712.36	35	38.17	674.19	15	674.19	689.19
MW-08	609900.503	1462000.574	721.82	724.93	45	48.11	676.82	30	676.82	706.82
MW-09	610766.024	1461606.198	709.19	717.15	34	41.96	675.19	15	675.19	690.19
MW-10	610518.259	1461415.944	719.99	722.91	25	27.92	694.99	15	694.99	709.99
MW-11	610289.338	1462134.506	736.42	735.80	50	49.38	686.42	35	686.42	721.42
MW-12	610706.838	1461352.510	715.33	718.27	38	40.94	677.33	20	677.33	697.33
MW-13	610178.799	1462069.727	733.03	732.88	60	59.86	673.03	45	673.03	718.03
MW-14	609986.253	1462038.776	721.96	724.88	41	43.93	680.96	30	680.96	710.96
MW-15	610450.293	1461470.456	722.69	725.70	39	42.01	683.69	15	683.69	698.69
MW-16	610231.660	1461474.341	722.32	725.49	46	49.17	676.32	35	676.32	711.32
MW-17	610237.711	1461555.419	724.23	727.50	50	53.27	674.23	40	674.23	714.23
MW-18	610817.943	1462185.479	726.72	728.17	45	46.45	681.72	15	681.72	696.72
MW-19	610078.908	1461765.512	723.43	726.29	35	37.86	688.43	25	688.43	713.43
MW-20	610895.751	1462288.912	727.62	729.69	48	50.07	679.62	15	679.62	694.62
MW-21	610087.091	1461622.600	721.89	724.97	50	53.08	671.89	35	671.89	706.89
MW-22	610918.335	1462111.418	718.85	721.89	34	37.05	684.85	15	684.85	699.85
MW-23	610085.511	1461553.272	721.15	723.74	45	47.59	676.15	30	676.15	706.15
MW-24	610605.100	1462116.596	734.70	737.63	54	56.93	680.70	15	680.70	695.70
MW-25	610724.207	1462220.540	730.89	734.04	57	60.14	673.89	15	673.89	688.89
MW-26	610924.172	1462017.515	715.02	717.71	37	39.69	678.02	15	678.02	693.02
MW-27	610986.312	1462085.698	713.30	716.19	42	44.90	671.30	15	671.30	686.30
MW-28	610218.934	1461369.873	720.57	720.45	40	39.88	680.57	15	680.57	695.57
MW-29	610727.972	1461673.646	715.60	718.73	50	53.13	665.60	40	665.60	705.60
MW-30	610799.782	1461554.298	712.07	715.08	46	49.01	666.07	15	666.07	681.07
MW-31	609936.722	1461612.083	718.44	721.45	44	47.01	674.44	30	674.44	704.44
MW-32	611207.899	1461763.847	688.75	691.78	35	38.03	653.75	15	653.75	668.75
MW-33	611254.113	1461864.564	683.70	686.70	25	28.00	658.70	15	658.70	673.70
MW-34	611273.038	1461934.811	681.00	683.89	20	22.89	661.00	15	661.00	676.00
MW-35	611009.321	1461705.220	704.07	707.14	37	40.08	667.07	15	667.07	682.07
MW-36	610925.672	1461745.145	707.51	710.54	42	45.04	665.51	15	665.51	680.51
MW-37	610847.989	1461775.311	712.01	714.37	35	37.36	677.01	15	677.01	692.01
MW-38	610842.872	1462161.078	723.82	726.74	50	52.91	673.82	30	673.82	703.82
MW-39	610284.817	1462017.884	734.63	733.86	50	49.24	684.63	35	684.63	719.63
MW-40	610244.764	1461670.079	725.82	728.92	37	40.10	688.82	10	688.82	698.82
MW-41	610493.441	1462185.803	742.82	745.92	65	68.10	677.82	15	677.82	692.82
MW-42	610181.689	1462121.558	732.58	732.48	51	50.90	681.58	40	681.58	721.58
MW-43	610389.738	1461617.614	726.58	729.80	47	50.22	679.58	35	679.58	714.58
MW-44	609895.129	1461835.846	724.13	726.48	32.5	34.85	691.63	20	691.63	711.63
MW-45	610075.136	1462075.191	726.57	729.41	50	52.84	676.57	40	676.57	716.57
MW-46	610025.308	1461943.315	723.53	726.73	40	43.20	683.53	10	683.53	693.53
MW-47	610024.249	1461884.053	723.61	723.18	27	26.57	696.61	20	696.61	716.61
MW-48	610606.305	1461637.713	720.55	723.57	46	49.02	674.55	35	674.55	709.55
MW-49	610044.272	1462071.781	724.00	727.58	51	54.58	673.00	40	673.00	713.00
MW-50	610108.789	1462002.292	727.39	731.14	53	56.75	674.39	40	674.39	714.39
MW-51	610098.487	1462076.037	728.15	734.12	45	50.97	683.15	30	683.15	713.15
MW-52	610624.065	1461664.991	719.97	722.94	54	56.98	665.97	30	665.97	695.97
MW-53	611025.358	1461994.967	704.50	707.49	60	62.99	644.50	20	644.50	664.50
MW-54	610966.379	1461910.800	704.72	707.97	60	63.25	644.72	45	644.72	689.72
MW-55	610444.848	1462212.443	742.89	743.95	67	68.07	675.89	25	675.89	700.89
MW-56	611413.434	1461928.805	678.27	681.53	40	43.26	638.27	30	638.27	668.27
MW-57	611251.497	1462014.298	683.94	687.07	45	48.13	638.94	35	638.94	673.94
MW-58	610721.594	1461486.487	714.25	717.30	50	53.05	664.25	30	664.25	694.25
MW-59	610703.188	1461566.103	716.45	719.38	50	52.93	666.45	30	666.45	696.45

Table 6
Well Construction Table

Colonial Pipeline Company
2020-L1-2448
Huntersville, North Carolina

Well ID	Northing	Easting	Ground Surface Elevation[1]	Top Of Casing Elevation[1]	Total Boring Depth (ft)	Total Well Depth (ft BTOC)	Bottom of well Elevation	Screen Length	Bottom of Screened Interval	Top of Screened Interval
MW-60	609897.732	1461950.487	723.81	726.76	44	46.95	679.81	20	679.81	699.81
MW-61	610453.163	1462310.437	743.42	746.57	67	70.14	676.42	30	676.42	706.42
MW-62	609743.553	1461857.515	726.51	729.79	35.5	38.77	691.01	10	691.01	701.01
MW-63	610926.378	1462191.034	722.68	725.76	58.5	61.58	664.18	35	664.18	699.18
MW-64	610264.509	1462472.415	730.83	730.39	70	69.57	660.83	35	660.83	695.83
MW-65	610036.254	1462521.035	714.46	714.46	40	40.00	674.46	15	674.46	689.46
MW-66	610307.407	1462282.426	731.48	731.43	54	53.95	677.48	19	677.48	696.48
MW-67	610195.283	1462306.322	724.23	724.32	45	45.10	679.23	15	679.23	694.23
MW-68	610172.383	1462150.457	731.94	731.84	50	49.90	681.94	15	681.94	696.94
MW-69	610468.604	1462397.614	741.42	741.74	60.5	60.82	680.92	30	680.92	710.92
MW-70	610236.668	1462434.654	728.26	728.08	48	47.82	680.26	15	680.26	695.26
MW-71	610552.899	1462334.626	743.39	746.97	65	68.58	678.39	15	678.39	693.39
MW-72	610787.319	1462258.031	731.04	734.81	54	57.77	677.04	15	677.04	692.04
MW-73	609830.542	1461963.531	723.40	726.44	37	40.03	686.40	15	686.40	701.40
MW-74	610288.758	1462401.250	730.28	730.05	33	32.77	697.28	15	697.28	712.28
MW-75	609999.462	1462373.931	713.52	713.48	46	45.95	667.52	15	667.52	682.52
MW-76	609869.965	1462038.207	720.14	723.94	45	48.80	675.14	20	675.14	695.14
MW-77	610048.186	1461526.049	719.05	722.70	45	48.65	674.05	30	674.05	704.05
MW-78	610137.637	1461499.437	721.57	725.08	50	53.51	671.57	25	671.57	696.57
MW-79	609984.402	1461557.321	718.70	721.56	38	40.86	680.70	20	680.70	700.70
MW-80	609852.041	1461689.253	719.25	722.65	37	40.40	682.25	20	682.25	702.25
MW-81	609694.813	1461743.131	722.99	722.83	37	36.84	685.99	20	685.99	705.99
MW-82	609605.030	1461793.615	724.46	724.27	39	38.81	685.46	25	685.46	710.46
MW-83	610242.804	1461622.635	725.21	724.91	44.5	44.20	680.71	20	680.71	700.71
MW-84	610193.968	1461655.229	724.43	723.99	36.8	36.37	687.63	20	687.63	707.63
MW-85	610248.381	1461669.960	725.83	727.67	37	38.84	688.83	20	688.83	708.83
MW-86	609796.912	1461976.758	724.51	724.28	46	45.77	678.51	30	678.51	708.51
MW-87	610840.677	1462333.403	731.36	734.39	55	58.04	676.36	20	676.36	696.36
MW-88	610892.541	1462401.652	728.80	731.93	63.5	66.62	665.30	20	665.30	685.30
MW-89	610816.900	1462404.312	731.60	734.67	53.8	56.87	677.80	20	677.80	697.80
MW-92	610581.113	1462395.424	742.74	745.56	72.3	75.13	670.44	25	670.44	695.44
MW-93	610519.959	1462448.097	741.19	744.05	63.5	66.36	677.69	20	677.69	697.69

Table 6
Well Construction Table

Colonial Pipeline Company
2020-L1-2448
Huntersville, North Carolina

Well ID	Northing	Easting	Ground Surface Elevation[1]	Top Of Casing Elevation[1]	Total Boring Depth (ft)	Total Well Depth (ft BTOC)	Bottom of well Elevation	Screen Length	Bottom of Screened Interval	Top of Screened Interval
Bedrock Unit Monitoring Wells										
MW-07D	611005.713	1462052.096	708.43	711.73	173	138.50	573.23	10	573.23	583.23
MW-14D	609996.333	1462052.985	721.87	722.75	198	74.30	648.45	10	648.45	658.45
MW-16D	610379.111	1461938.794	734.73	736.35	130	75.00	661.35	20	661.35	681.35
MW-25D	610736.979	1462197.404	730.34	733.05	139	123.71	606.62	10	606.62	616.62
MW-31D	609777.712	1461508.165	714.03	714.09	73	70.00	644.03	15	644.03	659.03
MW-36D	610906.414	1461745.138	707.87	710.81	140	134.00	573.87	20	573.87	593.87
MW-57D	611250.689	1461994.235	683.26	686.44	108	108.18	575.08	10	575.08	585.08
MW-59D	610674.886	1461596.261	718.17	720.98	160	159.70	561.28	10	561.28	571.28
MW-61D	610443.187	1462311.893	742.39	745.40	123	106.50	638.90	10	638.90	648.90
MW-62D	609743.041	1461850.176	726.74	729.92	143	141.50	588.42	10	588.42	598.42
MW-65D	610025.893	1462525.594	714.18	714.15	150	123.40	590.75	5	590.75	595.75
MW-79D	609970.915	1461516.471	717.50	720.32	154	156.60	563.72	10	156.60	166.60
MW-81D	609711.105	1461665.055	720.71	720.45	113	113.00	607.45	15	113.00	128.00
MW-90D	610599.633	1461905.581	729.23	730.09	83	83	647.09	N/A	N/A	N/A
MW-91D	610560.220	1461951.733	734.90	735.84	91	91	644.84	N/A	N/A	N/A
Hydraulic Control Wells										
HCW-01	610479.453	1462386.777	741.90	742.48	65	65.58	676.90	30	676.90	706.90
HCW-02	610472.756	1462354.274	742.69	744.96	63	65.27	679.69	25	679.69	704.69
HCW-03	610468.367	1462322.351	743.38	745.48	70	72.10	673.38	30	673.38	703.38
HCW-04	610460.988	1462287.410	744.08	746.00	70	71.92	674.08	30	674.08	704.08
HCW-05	610453.278	1462257.011	743.81	743.82	70.5	70.51	673.31	30.5	673.31	703.81
HCW-06	610452.952	1462225.014	743.77	743.70	70.5	70.43	673.27	30.5	673.27	703.77
HCW-07	610447.468	1462192.532	743.00	742.86	70.5	70.36	672.50	30.5	672.50	703.00
HCW-08	610434.965	1462163.035	742.82	742.96	70.6	70.74	672.22	30.6	672.22	702.82
HCW-09	610427.226	1462135.285	742.46	744.49	70.5	72.53	671.96	32.5	671.96	704.46
HCW-10	610418.366	1462107.717	741.66	743.90	68	70.24	673.66	36	673.66	709.66
HCW-11	610411.797	1462079.637	741.15	741.26	66.5	66.60	674.65	36.5	674.65	711.15
HCW-12	610404.713	1462051.000	740.56	740.75	53	53.20	687.56	21	687.56	708.56
HCW-13	610395.379	1462024.783	739.69	740.79	50	51.10	689.69	20	689.69	709.69
HCW-14	610390.188	1461996.508	738.48	739.18	48	48.70	690.48	20	690.48	710.48
HCW-15	610383.181	1461967.528	736.64	737.19	47	47.55	689.64	21	689.64	710.64
HCW-16	610379.111	1461938.794	734.73	736.35	41	42.62	693.73	14	693.73	707.73
HCW-17	610371.786	1461910.859	732.96	733.19	37	37.24	695.96	13	695.96	708.96
HCW-18	610355.698	1461874.749	731.02	731.12	33	33.10	698.02	15	698.02	713.02
HCW-19	610348.788	1461845.150	730.19	732.00	41	42.81	689.19	20	689.19	709.19
HCW-20	610346.204	1461816.474	729.61	731.69	48	50.08	681.61	25	681.61	706.61
HCW-21	610366.542	1461683.196	729.46	730.02	46	46.56	683.46	20	683.46	703.46
HCW-22	610376.108	1461656.673	728.17	731.67	53	56.50	678.67	25	678.67	703.67
HCW-23	610483.142	1462444.607	740.19	740.60	70	70.41	670.60	30	670.60	700.60
HCW-24	610468.660	1462397.499	741.42	741.73	70	70.31	671.73	30	671.73	701.73
HCW-25	610345.826	1461789.848	729.76	730.41	43	43.65	687.41	25	687.41	712.41
HCW-26	610343.543	1461757.497	730.39	730.52	45	45.13	685.52	25	685.52	710.52
HCW-27	610347.633	1461724.013	729.70	729.91	40	40.20	689.91	25	689.91	714.91
NHCW-01	610654.994	1461599.129	718.95	718.93	48	47.98	670.93	25	670.93	695.93
NHCW-02	610679.156	1461615.447	718.60	719.11	50	50.51	669.11	30	669.11	699.11
NHCW-03	610704.318	1461631.866	717.46	717.56	45	45.10	672.56	25	672.56	697.56
NHCW-04	610728.209	610728.209	715.89	716.18	50	50.29	666.18	30	666.18	696.18
NHCW-05	610753.336	1461664.115	715.14	715.34	50	50.21	665.34	30	665.34	695.34
NHCW-06	610776.520	1461681.143	714.74	714.96	50	50.22	664.96	30	664.96	694.96
NHCW-07	610800.942	1461697.135	713.69	714.08	47	47.39	667.08	30	667.08	697.08
NHCW-08	610825.331	1461713.844	712.87	712.84	45	44.97	667.84	30	667.84	697.84
NHCW-09	610850.235	1461736.074	711.27	711.21	43	42.94	668.21	30	668.21	698.21
NHCW-10	610881.084	1461753.945	709.29	713.05	41	44.76	672.05	25	672.05	697.05
NHCW-11	610896.719	1461783.418	709.11	710.66	41	42.55	669.66	25	669.66	694.66
NHCW-12	610916.545	1461805.882	706.42	707.09	40	40.67	667.09	25	667.09	692.09
NHCW-13	610937.270	1461825.399	703.76	704.81	40	41.05	664.81	25	664.81	689.81
NHCW-14	610958.289	1461846.377	702.09	703.34	35	36.25	668.34	20	668.34	688.34
NHCW-15	610968.945	1461873.845	701.28	702.64	35	36.35	667.64	20	667.64	687.64
NHCW-16	610974.960	1461904.404	703.42	704.99	40	41.57	664.99	25	664.99	689.99

Table 6
Well Construction Table

Colonial Pipeline Company
2020-L1-2448
Huntersville, North Carolina

Well ID	Northing	Easting	Ground Surface Elevation[1]	Top Of Casing Elevation[1]	Total Boring Depth (ft)	Total Well Depth (ft BTOC)	Bottom of well Elevation	Screen Length	Bottom of Screened Interval	Top of Screened Interval
NHCW-17	610990.091	1461927.359	705.21	705.83	40	40.62	665.83	25	665.83	690.83
NHCW-18	610991.177	1461959.732	707.76	709.11	39	40.35	670.11	25	670.11	695.11
NHCW-19	611008.895	1461988.059	705.81	706.80	39	39.99	667.80	25	667.80	692.80
NHCW-20	611007.961	1462017.086	707.11	709.03	39	40.92	670.03	25	670.03	695.03
NHCW-21	610994.067	1462044.191	708.80	709.90	45	46.11	664.90	25	664.90	689.90
NHCW-22	610982.723	1462069.737	711.48	712.70	50	51.23	662.70	30	662.70	692.70
NHCW-23	610971.622	1462098.551	713.86	715.10	50	51.24	665.10	30	665.10	695.10
NHCW-24	610962.736	1462127.497	716.32	717.38	50	51.06	667.38	30	667.38	697.38
NHCW-25	610957.574	1462156.934	718.51	720.83	55	57.31	665.83	25	665.83	690.83
NHCW-26	610943.795	1462182.638	721.67	723.09	55	56.42	668.09	25	668.09	693.09
NHCW-27	610931.522	1462210.475	723.13	724.18	55	56.05	669.18	25	669.18	694.18
NHCW-28	610918.337	1462235.867	724.30	725.46	55	56.16	670.46	25	670.46	695.46
NHCW-29	610899.121	1462262.235	727.19	728.13	55	55.95	673.13	25	673.13	698.13

Notes:
ft btoc = Feet Below Top Of Casing
RW = Recovery Well
MW = Monitoring Well
HCW = Hydraulic Control Well
NHCW = North Hydraulic Control Well
-- = Well not surveyed
[1] = Elevations surveyed in feet using the NAVD88 vertical datum.

Table 7
Summary of Water Supply Well Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

			Metals (µg/L)	VOCs (µg/L)		
Lab Report Number	**Sample ID**	**Sample Date**	**Lead**	**Bromodichloromethane**	**Chloroform**	**Methylene Chloride**
		NCAC 2L	**15**	**0.6**	**70**	**5**
		IMAC Standards	**--**	**--**	**--**	**--**
92525139	13712_HC_RD_20210302	03/02/2021	**38.2**	<0.50	<0.50	<2.0
92492043	13736_PE_ Dr	08/22/2020	NA	NA	NA	NA
92492904	13800_H/C_Rd	08/27/2020	**109**	<0.50	<0.50	<2.0
92493896	13800_HC_RD	09/02/2020	**169**	<0.50	<0.50	<2.0
92495067	13800_HC_RD	09/10/2020	**55.2**	<0.50	<0.50	<2.0
92495939	13800_HC_RD_20200916	09/16/2020	**67**	<0.50	<0.50	<2.0
92497411	13800_HC_RD 20200924	09/24/2020	**23**	<0.50	<0.50	<2.0
92498538	13800_HC_RD	10/01/2020	**6.5**	<0.50	<0.50	<2.0
92499668	13800_HC_RD_20201008	10/08/2020	<5.0	<0.50	<0.50	<2.0
92500721	13800_HC_RD_20201015	10/15/2020	<5.0	<0.50	<0.50	<2.0
92501794	13800_HC_.RD_20201022	10/22/2020	<5.0	<0.50	<0.50	<2.0
92502945	13800_HC_RD_20201029	10/29/2020	<5.0	<0.50	<0.50	<2.0
92504298	13800_HC_RD_20201105	11/05/2020	<5.0	<0.50	<0.50	<2.0
92506033	13800_HC_RD	11/12/2020	**5.4**	<0.50	<0.50	<2.0
92507404	13800_HC_RD	11/19/2020	**5.7**	<0.50	<0.50	<2.0
92507391	FD-111820	11/19/2020	**5.4**	<0.50	<0.50	<2.0
92508024	13800_HC_RD_20201124	11/24/2020	<5.0	<0.50	<0.50	<2.0
92508707	13800_HC_RD_20201201	12/01/2020	**7.8**	<0.50	<0.50	<2.0
92510221	13800_HC_RD_20201208	12/08/2020	<5.0	<0.50	<0.50	<2.0
92512037	13800_HC_.RD_20201215	12/15/2020	<5.0	<0.50	<0.50	<2.0
92513363	13800_HC_RD_20201222	12/22/2020	<5.0	<0.50	<0.50	<2.0
92513987	13800_HC_RD_20201229	12/29/2020	<5.0	<0.50	<0.50	<2.0
92514747	13800_HC_RD_20210105	01/05/2021	<5.0	<0.50	<0.50	<2.0
92516194	13800_HC_RD_2021112	01/12/2021	<5.0	<0.50	<0.50	<2.0
92517235	13800_HC_RD_2021119	01/19/2021	<5.0	<0.50	<0.50	<2.0
92518577	13800_HC_RD_2021126	01/26/2021	**16.9**	<0.50	<0.50	<2.0
92519756	13800_HC_RD_20210202	02/02/2021	<5.0	<0.50	<0.50	<2.0
92521088	13800_HC_RD_20210209	02/09/2021	**5.1**	<0.50	<0.50	<2.0
92522441	13800_HC_RD_20210216	02/16/2021	<5.0	<0.50	<0.50	<2.0
92523569	13800_HC_RD_20210223	02/23/2021	<5.0	<0.50	<0.50	<2.0
92525141	13800_HC_RD_20210302	03/02/2021	<5.0	<0.50	<0.50	<2.0
92526632	13800_HC_RD_20210309	03/09/2021	<5.0	<0.50	<0.50	<2.0
92527865	13800_HC_RD_20210316	03/16/2021	**12.1**	<0.50	<0.50	<2.0
92529142	13800_HC_RD_20210323	03/23/2021	<5	<0.5	<0.5	<2
92530276	13800_HC_RD_20210330	03/30/2021	<5	<0.5	<0.5	<2
92531396	13800_HC_RD_20210406	04/06/2021	<5.0	<0.50	<0.50	<2.0

Table 7
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			Metals (µg/L)	VOCs (µg/L)		
Lab Report Number	**Sample ID**	**Sample Date**	**Lead**	**Bromodichloromethane**	**Chloroform**	**Methylene Chloride**
		NCAC 2L	**15**	**0.6**	**70**	**5**
		IMAC Standards	**--**	**--**	**--**	**--**
92531397	DUP-1	04/06/2021	<5.0	<0.50	<0.50	<2.0
92532721	13800_HC_RD_20210413	04/13/2021	<5	<0.5	<0.5	<2
92534073	13800_HC_RD_20210420	04/20/2021	<5	<0.5	<0.5	<2
92535389	13800_HC_RD_20210427	04/27/2021	<5.0	<0.50	<0.50	<2.0
92536812	13800_HC_RD_20210504	05/04/2021	<5.0	<0.5	<0.50	<2
92538171	13800_HC_RD_20210511	05/11/2021	<5	<0.5	<0.5	<2
92539520	13800_HC_RD_20210518	05/18/2021	**6.3**	<0.50	<0.50	<2.0
92540616	13800_HC_RD_20210525	05/25/2021	<5	<0.5	<0.5	<2
92541596	13800_HC_RD_20210601	06/01/2021	<5.0	<0.50	<0.50	<2.0
92543078	13800_HC_RD_20210608	06/08/2021	<5.0	<0.50	<0.50	<2.0
92544310	13800_HC_RD_20210615	06/15/2021	<5	<0.5	<0.5	<2
92545590	13800_HC_RD_20210622	06/22/2021	<5.0	<0.5	<0.5	<2
92545591	DUP-1	06/22/2021	<5	<0.5	**0.9**	<2
92546854	13800_HC_RD_20210629	06/29/2021	**50.5**	<0.50	<0.50	<2.0
92547797	13800_HC_RD_20210706	07/06/2021	**5.0J**	<0.50	<0.50	<2.0
92549166	13800_HC_RD_20210713	07/13/2021	<5.0	<0.50	<0.50	<2.0
92550625	13800_HC_RD_20210720	07/20/2021	<5.0	<0.50	<0.50	<2.0
92551875	13800_HC_RD_20210727	07/27/2021	<5.0	<0.50	<0.50	<2.0
92553041	13800_HC_RD_20210803	08/03/2021	<5.0	<0.50	<0.50	<2.0
92554512	13800_HC_RD_20210810	08/10/2021	**10.4**	<0.5	<0.50	<2.0
92555787	13800_HC_RD_20210817	08/17/2021	**11.2**	<0.50	<0.50	<2.0
92557299	13800_HC_RD_20210824	08/24/2021	<5	<0.5	<0.5	<2
92558702	13800_HC_RD_20210831	08/31/2021	<5	<0.5	<0.5	<2
92558711	DUP-1_20210831	08/31/2021	<5	<0.5	<0.5	<2
92559804	13800_HC_RD 20210907	09/07/2021	<5	<0.5	<0.5	<2
92561212	13800_HC_RD_20210914	09/14/2021	<5	<0.5	<0.5	<2
92561225	DUP-1	09/14/2021	<5	<0.5	<0.5	<2
92562315	13800_HC_RD_20210921	09/21/2021	<5.0	<1	<5	<5
92562323	DUP-1	09/21/2021	<5	<1	<5	<5
92563649	13800_HC_RD_09282021	09/28/2021	<5	<1	<5	<5
92564844	13800_HC_RD_20211005	10/05/2021	<5	<0.5	<0.5	<2
92564847	DUP-1	10/05/2021	<5	<0.5	<0.5	<2
92566381	13800_HC_RD_20211012	10/12/2021	<5	<0.5	<0.5	<2
92566386	DUP-1	10/12/2021	<5	<0.5	<0.5	<2
92567633	13800_HC_RD	10/19/2021	<5	<0.5	<0.5	<2
92491028	13822_HC_Rd	08/16/2020	**53.0**	<0.50	<0.50	<2.0

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			Metals (µg/L)	VOCs (µg/L)		
Lab Report Number	**Sample ID**	**Sample Date**	**Lead**	**Bromodichloromethane**	**Chloroform**	**Methylene Chloride**
		NCAC 2L	**15**	**0.6**	**70**	**5**
		IMAC Standards	**--**	**--**	**--**	**--**
92492032	13822_HC_Rd	08/21/2020	**14.2**	NA	NA	NA
92492033	FD_08212020	08/21/2020	**10.3**	NA	NA	NA
92493878	13822_HC_RD	09/02/2020	**11.6**	<0.50	<0.50	<2.0
92495055	13822_HC_RD	09/10/2020	<5.0	<0.50	<0.50	<2.0
92495069	FD-091020	09/10/2020	<5.0	<0.50	<0.50	<2.0
92495927	13822_HC_RD_20200916	09/16/2020	**14.3**	<0.50	<0.50	<2.0
92497407	13822_HC_RD 20200924	09/24/2020	**8.9**	<0.50	<0.50	<2.0
92491385	13831_Sims_Rd	08/17/2020	<5.0	<0.50	<0.50	<2.0
92492683	13831_Sims_Rd	08/25/2020	<5.0	<0.50	<0.50	<2.0
92494137	13831_SIMS_RD	09/03/2020	<5.0	<0.50	<0.50	<2.0
92525138	13831_SIMS_RD_20210302	03/02/2021	<5.0	<0.50	<0.50	<2.0
92558698	13831_SIMS_RD_20210831	08/31/2021	<5	<0.5	<0.5	<2
92491367	13835_AC_Rd	08/17/2020	<5.0	<0.50	<0.50	<2.0
92492460	13835_AC_Rd	08/25/2020	<5.0	<0.50	<0.50	<2.0
92492469	FD1-08252020	08/25/2020	<5.0	<0.50	<0.50	<2.0
92494135	13835_AC_RD	09/03/2020	<5.0	<0.50	<0.50	<2.0
92495191	13835_AC_RD	09/11/2020	<5.0	<0.50	<0.50	<2.0
92495943	13835_AC_RD_20200916	09/16/2020	<5.0	**1.7**	**7.4**	<2.0
92497409	13835_AC_RD 20200924	09/24/2020	**16.1**	<0.50	<0.50	<2.0
92498537	13835_AC_RD	10/01/2020	<5.0	<0.50	<0.50	<2.0
92498539	FD-100120	10/01/2020	<5.0	<0.50	<0.50	<2.0
92499665	13835_AC_RD_20201008	10/08/2020	<5.0	<0.50	<0.50	<2.0
92500725	13835_AC_RD_20201015	10/15/2020	<5.0	<0.50	<0.50	<2.0
92500731	DUP-1	10/15/2020	<5.0	<0.50	<0.50	NA
92501805	13835_AC_RD_20201022	10/22/2020	<5.0	<0.50	<0.50	<2.0
92502955	13835_AC_RD_20201029	10/29/2020	<5.0	<0.50	<0.50	<2.0
92502957	DUP-1	10/29/2020	<5.0	<0.50	<0.50	<2.0
92504283	13835_AC_RD_20201105	11/05/2020	<5.0	<0.50	<0.50	<2.0
92506030	13835_AC_RD	11/12/2020	<5.0	<0.50	<0.50	<2.0
92507400	13835_AC_RD	11/19/2020	<5.0	<0.50	<0.50	<2.0
92508017	13835_AC_RD_20201124	11/24/2020	<5.0	<0.50	<0.50	<2.0
92508716	13835_AC_Rd_20201201	12/01/2020	<5.0	<0.50	<0.50	<2.0
92510233	13835_AC_RD_20201208	12/08/2020	<5.0	<0.50	<0.50	<2.0
92512027	13835_AC_RD_20201215	12/15/2020	<5.0	<0.50	<0.50	<2.0
92512046	DUP-1	12/15/2020	<5.0	<0.50	<0.50	<2.0
92513354	13835_AC_RD_20201222	12/22/2020	<5.0	<0.50	<0.50	<2.0

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			Metals (µg/L)	VOCs (µg/L)		
Lab Report Number	**Sample ID**	**Sample Date**	**Lead**	**Bromodichloromethane**	**Chloroform**	**Methylene Chloride**
		NCAC 2L	**15**	**0.6**	**70**	**5**
		IMAC Standards	**--**	**--**	**--**	**--**
92513978	13835_AC_RD_20201229	12/29/2020	<5.0	<0.50	<0.50	<2.0
92514756	13835_AC_RD_20210105	01/05/2021	<5.0	<0.50	<0.50	<2.0
92516191	13835_AC_RD_2021112	01/12/2021	<5.0	<0.50	<0.50	<2.0
92516192	DUP-1	01/12/2021	<5.0	<0.50	<0.50	<2.0
92517234	13835_AC_RD_2021119	01/19/2021	<5.0	<0.50	<0.50	<2.0
92518610	13835_AC_RD_2021126	01/26/2021	**15.4**	<0.50	<0.50	<2.0
92519760	13835_AC_RD_20210202	02/02/2021	<5.0	<0.50	<0.50	<2.0
92521099	13835_AC_RD_20210209	02/09/2021	**15.1**	<0.50	<0.50	<2.0
92522436	13835_AC_RD_20210216	02/16/2021	<5.0	<0.50	<0.50	<2.0
92522438	DUP-1	02/16/2021	<5.0	<0.50	**0.62**	<2.0
92523572	13835_AC_RD_20210223	02/23/2021	<5.0	<0.50	**0.57**	<2.0
92525131	13835_AC_RD_20210302	03/02/2021	<5.0	<0.50	**0.5**	<2.0
92526625	13835_AC_RD_20210309	03/09/2021	**13.5**	<0.50	**0.54**	<2.0
92527864	13835_AC_RD_20210316	03/16/2021	**6.2**	<0.50	**0.51**	<2.0
92529170	13835_AC_RD_20210323	03/23/2021	<5	<0.5	<0.5	<2
92530284	13835_AC_RD_20210330	03/30/2021	<5	<0.5	<0.5	<2
92531392	13835_AC_RD_20210406	04/06/2021	<5.0	<0.50	**0.52**	<2.0
92532714	13835_AC_RD_20210413	04/13/2021	<5	<0.5	**0.65**	<2
92534075	13835_AC_RD_20210420	04/20/2021	<5	<0.5	<0.5	<2
92535405	13835_AC_RD_20210427	04/27/2021	<5.0	<0.50	<0.50	<2.0
92536813	13835_AC_RD_20210504	05/04/2021	<5.0	<0.5	**0.65**	<2
92538166	13835_AC_RD_20210511	05/11/2021	<5	<0.5	**0.67**	<2
92539526	13835_AC_RD_20210518	05/18/2021	<5.0	<0.50	**0.89**	<2.0
92540628	13835_AC_RD_20210525	05/25/2021	<5	<0.5	**0.74**	<2
92540633	DUP-1	05/25/2021	<5	<0.5	**0.74**	<2
92541591	13835_AC_RD_20210601	06/01/2021	<5.0	<0.50	**0.90**	<2.0
92543079	13835_AC_RD_20210608	06/08/2021	**4.7J**	<0.50	**0.88**	<2.0
92544297	13835_AC_RD_20210615	06/15/2021	<5	<0.5	**0.91**	<2
92545600	13835_AC_RD_20210622	06/22/2021	**7.5**	<0.5	**0.84**	<2
92546857	13835_AC_RD_20210629	06/29/2021	<5.0	<0.50	**0.76**	<2.0
92547790	13835_AC_RD_20210706	07/06/2021	<5.0	<0.50	**0.99**	<2.0
92549184	13835_AC_RD_20210713	07/13/2021	<5.0	<0.50	**0.80**	<2.0
92549163	DUP-1	07/13/2021	<5.0	<0.50	**0.77**	<2.0
92550635	13835_AC_RD_20210720	07/20/2021	<5.0	<0.50	**0.73**	<2.0
92551865	13835_AC_RD_20210727	07/27/2021	<5.0	<0.50	<0.50	<2.0
92553036	13835_AC_RD_20210803	08/03/2021	<5.0	<0.50	**0.96**	<2.0

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			Metals (µg/L)	VOCs (µg/L)		
Lab Report Number	**Sample ID**	**Sample Date**	**Lead**	**Bromodichloromethane**	**Chloroform**	**Methylene Chloride**
		NCAC 2L	**15**	**0.6**	**70**	**5**
		IMAC Standards	**--**	**--**	**--**	**--**
92554466	13835_AC_RD_20210810	08/10/2021	<5.0	<0.5	**0.5**	<2
92555791	13835_AC_RD_20210817	08/17/2021	<5.0	<0.50	**0.43J**	<2.0
92555763	DUP-1	08/17/2021	<5.0	<0.50	**0.39J**	<2.0
92557302	13835_AC_RD_20210824	08/24/2021	<5	<0.5	<0.5	<2
92558706	13835_AC_RD_20210831	08/31/2021	<5	<0.5	**0.94**	<2
92559807	13835_AC_RD_20210907	09/07/2021	**7.5**	<0.5	**0.72**	<2
92561222	13835_AC_RD_20210914	09/14/2021	<5.0	<0.5	**0.88**	<2
92562313	13835_AC_RD_20210921	09/21/2021	<5.0	<1	**0.829J**	<5
92563647	13835_AC_RD_09282021	09/28/2021	**6.1**	<1	**0.774J**	<5
92564843	13835_AC_RD_20211005	10/05/2021	<5	<0.5	**0.61**	<2
92566382	13835_AC_RD_20211012	10/12/2021	<5	<0.5	**0.37J**	<2
92567635	13835_AC_RD_20211019	10/19/2021	**9.9**	<0.5	**0.65**	<2
92491363	13901_Sims_Rd	08/17/2020	<5.0	<0.50	<0.50	<2.0
92491368	FD1_081720	08/17/2020	<5.0	<0.50	<0.50	<2.0
92492466	13901_Sims_Rd	08/25/2020	<5.0	<0.50	<0.50	<2.0
92494138	13901_SIMS_RD	09/03/2020	<5.0	<0.50	<0.50	<2.0
92525133	13901_Sims_RD_20210302	03/02/2021	<5.0	<0.50	<0.50	<2.0
92558685	13901_SIMS_RD_20210831	08/31/2021	<5	<0.5	<0.5	<2
92491259	13920_Sims_Rd	08/17/2020	<5.0	<0.50	<0.50	<2.0
92492462	13920_Sims_Rd	08/25/2020	<5.0	<0.50	<0.50	<2.0
92494130	13920_SIMS_RD	09/03/2020	<5.0	<0.50	<0.50	<2.0
92525130	13920_SIMS_RD_20210302	03/02/2021	<5.0	<0.50	<0.50	<2.0
92558707	13920_SIMS_RD_20210831	08/31/2021	<5	<0.5	<0.5	<2
92491360	13923_AC_Rd	08/17/2020	<5.0	<0.50	<0.50	<2.0
92492465	13923_AC_Rd	08/25/2020	<5.0	<0.50	<0.50	<2.0
92494139	13923_AC_RD	09/03/2020	<5.0	<0.50	<0.50	<2.0
92495190	13923_AC_RD	09/11/2020	<5.0	<0.50	<0.50	<2.0
92495938	13923_AC_RD_20200916	09/16/2020	<5.0	<0.50	<0.50	<2.0
92497416	13923_AC_RD 20200924	09/24/2020	**5.5**	<0.50	<0.50	<2.0
92498533	13923_AC_RD	10/01/2020	<5.0	<0.50	<0.50	<2.0
92499672	13923_AC_RD_20201008	10/08/2020	<5.0	<0.50	<0.50	<2.0
92491030	13926A_HC_Rd	08/16/2020	<5.0	<0.50	<0.50	<2.0
92492029	13926A_HC_Rd	08/21/2020	<5.0	NA	<0.50	NA
92493902	13926A_HC_RD	09/02/2020	<5.0	<0.50	<0.50	<2.0
92495062	13926A_HC_RD	09/10/2020	<5.0	<0.50	<0.50	<2.0
92495945	13926A_HC_RD_20200916	09/16/2020	<5.0	<0.50	<0.50	<2.0

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			Metals (µg/L)	VOCs (µg/L)		
Lab Report Number	**Sample ID**	**Sample Date**	**Lead**	**Bromodichloromethane**	**Chloroform**	**Methylene Chloride**
		NCAC 2L	**15**	**0.6**	**70**	**5**
		IMAC Standards	**--**	**--**	**--**	**--**
92497401	13926A_HC_RD 20200924	09/24/2020	<5.0	<0.50	<0.50	<2.0
92498130	13926A_HC_RD_20200930	09/30/2020	<5.0	<0.50	<0.50	<2.0
92499670	13926A_HC_RD_20201008	10/08/2020	<5.0	<0.50	<0.50	<2.0
92500718	13926A_HC_RD_20201015	10/15/2020	<5.0	<0.50	<0.50	<2.0
92501815	13926A_HC_RD_20201022	10/22/2020	**5.2**	<0.50	<0.50	<2.0
92502951	13926A_HC_RD_20201029	10/29/2020	**6.6**	<0.50	<0.50	<2.0
92504292	13926A_HC_RD_20201105	11/05/2020	<5.0	<0.50	<0.50	<2.0
92506028	13926A_HC_RD	11/12/2020	<5.0	<0.50	**8.2**	<2.0
92507401	13926A_HC_RD	11/19/2020	**5.8**	<0.50	<0.50	<2.0
92508011	13926A_HC_RD_20201124	11/24/2020	<5.0	<0.50	<0.50	<2.0
92508712	13926A_HC_RD_20201201	12/01/2020	**5.9**	<0.50	<0.50	<2.0
92510243	13926A_HC_RD_20201208	12/08/2020	<5.0	<0.50	<0.50	<2.0
92512042	13926A_HC_RD_20201215	12/15/2020	<5.0	<0.50	<0.50	<2.0
92513351	13926A_HC_RD_20201222	12/22/2020	<5.0	<0.50	<0.50	<2.0
92513975	13926A_HC_RD_20201229	12/29/2020	<5.0	<0.50	<0.50	<2.0
92514754	13926A_HC_RD_20210105	01/05/2021	<5.0	<0.50	<0.50	<2.0
92516196	13926A_HC_RD_2021112	01/12/2021	<5.0	<0.50	<0.50	<2.0
92517224	13926A_HC_RD_2021119	01/19/2021	<5.0	<0.50	<0.50	<2.0
92518620	13926A_HC_RD 2021126	01/26/2021	<5.0	<0.50	<0.50	<2.0
92519764	13926A_HC_RD_20210202	02/02/2021	<5.0	<0.50	<0.50	<2.0
92521095	13926A_HC_RD_20210209	02/09/2021	**24.2**	<0.50	<0.50	<2.0
92522435	13926A_HC_RD_20210216	02/16/2021	<5.0	<0.50	<0.50	<2.0
92523580	13926A_HC_RD_20210223	02/23/2021	<5.0	<0.50	<0.50	<2.0
92525137	13926A_HC_RD_20210302	03/02/2021	<5.0	<0.50	<0.50	<2.0
92526622	13926A_HC_RD_20210309	03/09/2021	**7.3**	<0.50	<0.50	<2.0
92527881	13926A_HC_RD_20210316	03/16/2021	<5.0	<0.50	<0.50	<2.0
92529132	13926A_HC_RD_20210323	03/23/2021	<5	<0.5	<0.5	<2
92530272	13926A_HC_RD_20210330	03/30/2021	<5	<0.5	<0.5	<2
92530286	DUP-1	03/30/2021	<5.0	<0.50	<0.50	<2.0
92531391	13926A_HC_RD_20210406	04/06/2021	<5.0	<0.50	<0.50	<2.0
92532713	13926A_HC_RD_20210413	04/13/2021	<5	<0.5	<0.5	<2
92534055	13926A_HC_RD_20210420	04/20/2021	<5	<0.5	<0.5	<2
92535410	13926A_HC_RD_20210427	04/27/2021	<5.0	<0.50	<0.50	<2.0
92536815	13926A_HC_RD_20210504	05/04/2021	<5.0	<0.5	<0.5	<2
92538170	13926A_HC_RD_20210511	05/11/2021	<5	<0.5	<0.5	<2
92539532	13926A_HC_RD_20210518	05/18/2021	<5.0	<0.50	<0.50	<2.0

Table 7
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			Metals (µg/L)	VOCs (µg/L)		
Lab Report Number	**Sample ID**	**Sample Date**	**Lead**	**Bromodichloromethane**	**Chloroform**	**Methylene Chloride**
		NCAC 2L	**15**	**0.6**	**70**	**5**
		IMAC Standards	**--**	**--**	**--**	**--**
92540609	13926A_HC_RD.20210525	05/25/2021	<5	<0.5	<0.5	<2
92541580	13926A_HC_RD_20210601	06/01/2021	<5.0	<0.50	<0.50	<2.0
92543082	13926A_HC_RD_20210608	06/08/2021	**4.9**	<0.50	<0.50	<2.0
92544294	13926A_HC_RD_20210615	06/15/2021	<5	<0.5	<0.5	<2
92545595	13926A_HC_RD_20210622	06/22/2021	**6.2**	<0.5	<0.5	<2
92546855	13926A_HC_RD_20210629	06/29/2021	<5.0	<0.50	<0.50	<2.0
92547792	13926A_HC_RD_20210706	07/06/2021	<5.0	<0.50	<0.50	<2.0
92549173	13926A_HC_RD_20210713	07/13/2021	<5.0	<0.50	<0.50	<2.0
92550639	13926A_HC_RD_20210720	07/20/2021	**89.3**	<0.50	<0.50	<2.0
92551860	13926A_HC_RD_20210727	07/27/2021	<5.0	<0.50	<0.50	<2.0
92553034	13926A_HC_RD_20210803	08/03/2021	<5.0	<0.5	<0.50	<2
92553048	DUP-1	08/03/2021	<5	<0.5	<0.50	<2
92554518	13926A_HC_RD_20210810	08/10/2021	<5	<0.5	<0.5	<2
92555767	13926A_HC_RD_20210817	08/17/2021	**17.5**	<0.50	<0.50	<2.0
92491030	13926B_HC_Rd	08/16/2020	<5.0	<0.50	**8.9**	<2.0
92492030	13926B_HC_Rd	08/21/2020	NA	NA	**8.4**	NA
92493891	13926B_HC_RD	09/02/2020	<5.0	<0.50	**9.4**	<2.0
92495059	13926B_HC_RD	09/10/2020	<5.0	<0.50	**7.6**	<2.1
92495941	13926B_HC_RD_20200916	09/16/2020	<5.0	<0.50	**9.6**	<2.0
92495930	Field_Duplicate 09-16-2020	09/16/2020	<5.0	<0.50	**10.1**	<2.0
92497412	13926B_HC_RD 20200924	09/24/2020	<5.0	<0.50	**9.8**	<2.0
92498128	13926B_HC_RD_20200930	09/30/2020	<5.0	<0.50	**6.3**	<2.0
92499661	13926B_HC_RD_20201008	10/08/2020	<5.0	<0.50	**9.3**	<2.0
92500720	13926B_HC_RD_20201015	10/15/2020	<5.0	<0.50	**8.9**	<2.0
92501809	13926B_HC_RD_20201022	10/22/2020	<5.0	<0.50	**8.7**	<2.0
92502943	13926B_HC_RD_20201029	10/29/2020	<5.0	<0.50	**8.9**	<2.0
92504284	13926B_HC_RD_20201105	11/05/2020	<5.0	<0.50	**9.2**	<2.0
92506050	13926B_HC_RD	11/12/2020	<5.0	<0.50	<0.50	<2.0
92507398	13926B_HC_RD	11/19/2020	<5.0	<0.50	**7.0**	<2.0
92508014	13926B_HC_RD_20201124	11/24/2020	<5.0	<0.50	**8.7**	<2.0
92508823	13926B_HC_RD 20201201	12/01/2020	**6.6**	<0.50	**6.8**	<2.0
92510237	13926B_HC_RD_20201208	12/08/2020	<5.0	<0.50	**9.2**	<2.0
92512044	13926B_HC_RD_20201215	12/15/2020	<5.0	<0.50	**8.5**	<2.0
92513370	13926B_HC_RD_20201222	12/22/2020	<5.0	<0.50	**6.4**	<2.0
92513986	13926B_HC_RD_20201229	12/29/2020	<5.0	<0.50	**7.5**	<2.0
92514757	13926B_HC_RD_20210105	01/05/2021	<5.0	<0.50	**11.5**	<2.0

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			Metals (µg/L)	VOCs (µg/L)		
Lab Report Number	**Sample ID**	**Sample Date**	**Lead**	**Bromodichloromethane**	**Chloroform**	**Methylene Chloride**
		NCAC 2L	**15**	**0.6**	**70**	**5**
		IMAC Standards	**--**	**--**	**--**	**--**
92514760	DUP-1	01/05/2021	<5.0	<0.50	**11.7**	<2.0
92516195	13926B_HC_RD_2021112	01/12/2021	<5.0	<0.50	**9.7**	<2.0
92517242	13926B_HC_RD_2021119	01/19/2021	<5.0	<0.50	**8.8**	<2.0
92517218	DUP-1	01/19/2021	<5.0	<0.50	**8.6**	<2.0
92518587	13926B_HC_RD_2021126	01/26/2021	<5.0	<0.50	**7.9**	<2.0
92519742	13926B_HC_RD_20210202	02/02/2021	<5.0	<0.50	**9.0**	<2.0
92521084	13926B_HC_RD_20210209	02/09/2021	<5.0	<0.50	**8.9**	<2.0
92522444	13926B_HC_RD_20210216	02/16/2021	<5.0	<0.50	**9.0**	<2.0
92523576	13926B_HC_RD_20210223	02/23/2021	<5.0	<0.50	**9.3**	<2.0
92523574	Dup-1	02/23/2021	<5.0	<0.50	**9.7**	<2.0
92525136	13926B_HC_RD_20210302	03/02/2021	<5.0	<0.50	**7.8**	<2.0
92525144	DUP-1	03/02/2021	<5.0	<0.50	**0.54**	<2.0
92526624	13926B_HC_RD_20210309	03/09/2021	<5.0	<0.50	**9.3**	<2.0
92527878	13926B_HC_RD_20210316	03/16/2021	<5.0	<0.50	**8.7**	<2.0
92529205	13926B_HC_RD_20210323	03/23/2021	<5	<0.5	**8.1**	<2
92530274	13926B_HC_RD_20210330	03/30/2021	<5	<0.5	**7.5**	<2
92531403	13926B_HC_RD_20210406	04/06/2021	<5.0	<0.50	**7.9**	<2.0
92532710	13926B_HC_RD_20210413	04/13/2021	<5	<0.5	**8.5**	<2
92534064	13926B_HC_RD_20210420	04/20/2021	<5	<0.5	**8.6**	<2
92535409	13926B_HC_RD_20210427	04/27/2021	<5.0	<0.50	**8.8**	<2.0
92536816	13926B_HC_RD_20210504	05/04/2021	<5.0	<0.5	**9.7**	<2
92536817	DUP-1	05/04/2021	<5.0	<0.5	**9.2**	<2
92538168	13926B_HC_RD_20210511	05/11/2021	<5	<0.5	**8.3**	<2
92539517	13926B_HC_RD_202010518	05/18/2021	NA	<0.50	**10**	<2.0
92540625	13926B_HC_RD_20210525	05/25/2021	<5	<0.5	**9.0**	<2
92541583	13926B_HC_RD_20210601	06/01/2021	<5.0	<0.50	**9.0**	<2.0
92543083	13926B_HC_RD_20210608	06/08/2021	<5.0	<0.50	**8.6**	<2.0
92543084	DUP-1	06/08/2021	<5	<0.5	**8.9**	<2
92544313	13926B_HC_RD_20210615	06/15/2021	<5	<0.5	**9.9**	<2
92545592	13926B_HC_RD_20210622	06/22/2021	<5	<0.5	**9.2**	<2
92546858	13926B_HC_RD_20210629	06/29/2021	<5.0	<0.50	**8.8**	<2.0
92547782	13926B_HC_RD_20210706	07/06/2021	<5.0	<0.50	**9.5**	<2.0
92549179	13926B_HC_RD_20210713	07/13/2021	<5.0	<0.50	**9.0**	<2.0
92550630	13926B_HC_RD_20210720	07/20/2021	<5.0	<0.50	**8.0**	<2.0
92550622	DUP-1	07/20/2021	<5.0	<0.50	**8.4**	<2.0
92551862	13926B_HC_RD_20210727	07/27/2021	<5.0	<0.50	**8.6**	<2.0

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			Metals (µg/L)	VOCs (µg/L)		
Lab Report Number	**Sample ID**	**Sample Date**	**Lead**	**Bromodichloromethane**	**Chloroform**	**Methylene Chloride**
		NCAC 2L	**15**	**0.6**	**70**	**5**
		IMAC Standards	**--**	**--**	**--**	**--**
92553044	13926B_HC_RD_20210803	08/03/2021	<5.0	<0.5	**7.7**	<2
92554504	13926B_HC_RD_20210810	08/10/2021	<5.0	<0.5	**9.5**	<2
92555776	13926B_HC_RD_20210817	08/17/2021	<5.0	<0.50	**8.5**	<2.0
92492031	13937_AC_Rd	08/21/2020	<5.0	<0.50	<0.50	<2.0
92492463	13937_AC_Rd	08/25/2020	<5.0	<0.50	<0.50	<2.0
92494129	13937_AC_RD	09/03/2020	<5.0	<0.50	<0.50	<2.0
92494126	FD-090320	09/03/2020	<0.50	<0.50	<0.50	<2.0
92495051	13937_AC_RD	09/10/2020	<5.0	<0.50	<0.50	<2.0
92495928	13937_AC_RD_20200916	09/16/2020	<5.0	<0.50	<0.50	<2.0
92497405	13937_AC_RD 20200924	09/24/2020	<5.0	<0.50	<0.50	<2.0
92498536	13937_AC_RD	10/01/2020	<5.0	<0.50	<0.50	<2.0
92499667	13937_AC_RD_20201008	10/08/2020	<5.0	<0.50	<0.50	<2.0
92491152	13945_AC_Rd	08/17/2020	<5.0	<0.50	<0.50	<2.0
92492461	13945_AC_Rd	08/25/2020	<5.0	<0.50	<0.50	<2.0
92493888	13945_AC_RD	09/02/2020	<5.0	<0.50	<0.50	<2.0
92495063	13945_AC_RD	09/10/2020	<5.0	<0.50	<0.50	<2.0
92495935	13945_AC_RD_20200916	09/16/2020	<5.0	<0.50	<0.50	<2.0
92497410	13945_AC_RD 20200924	09/24/2020	<5.0	<0.50	<0.50	<2.0
92498532	13945_AC_RD	10/01/2020	<5.0	<0.50	<0.50	<2.0
92499669	13945_AC_RD_20201008	10/08/2020	<5.0	<0.50	<0.50	<2.0
92500726	13945_AC_RD_20201015	10/15/2020	<5.0	<0.50	<0.50	<2.0
92501817	DUP-1	10/22/2020	<5.0	<0.50	<0.50	<2.0
92501807	13945_AC_RD_20201022	10/22/2020	<5.0	<0.50	<0.50	<2.0
92502946	13945_AC_RD_20201029	10/29/2020	<5.0	<0.50	<0.50	<2.0
92504280	13945_AC_RD_20201105	11/05/2020	<5.0	<0.50	<0.50	<2.0
92506044	13945_AC_RD	11/12/2020	<5.0	<0.50	<0.50	<2.0
92507397	13945_AC_RD	11/19/2020	<5.0	<0.50	<0.50	<2.0
92508007	13945_AC_RD_20201124	11/24/2020	<5.0	<0.50	<0.50	<2.0
92508713	13945_AC_Rd_20201201	12/01/2020	<5.0	<0.50	<0.50	<2.0
92508822	DUP-1	12/01/2020	<0.50	<0.50	<0.50	<0.50
92510208	13945_AC_RD_20201208	12/08/2020	<5.0	<0.50	<0.50	<2.0
92525142	14000_LAWTHER_RD_20210302	03/02/2021	<5.0	<0.50	**1.2**	<2.0
92491555	14015 ASBURY CHAPEL RD	08/18/2020	<5.0	<0.50	<0.50	<2.0
92492468	14015_AC_Rd	08/25/2020	<5.0	<0.50	**1.5**	<2.0
92493886	14015_AC_RD	09/02/2020	<5.0	<0.50	**4.4**	<2.0
92495058	14015_AC_RD	09/10/2020	<5.0	<0.50	<0.50	<2.0

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			Metals (µg/L)	VOCs (µg/L)		
Lab Report Number	**Sample ID**	**Sample Date**	**Lead**	**Bromodichloromethane**	**Chloroform**	**Methylene Chloride**
		NCAC 2L	**15**	**0.6**	**70**	**5**
		IMAC Standards	**--**	**--**	**--**	**--**
92495932	14015_AC_RD_20200916	09/16/2020	<5.0	<0.50	<0.50	<2.0
92497403	14015_AC_RD 20200924	09/24/2020	<5.0	<0.50	<0.50	<2.0
92498133	14015_AC_RD_20200930	09/30/2020	<5.0	<0.50	<0.50	<2.0
92499671	14015_AC_RD_20201008	10/08/2020	<5.0	<0.50	<0.50	<2.0
92499673	DUP-1	10/08/2020	<5.0	<0.50	<0.50	NA
92500727	14015_AC_RD_20201015	10/15/2020	<5.0	<0.50	<0.50	<2.0
92501814	14015_AC_RD_20201022	10/22/2020	<5.0	<0.50	<0.50	<2.0
92502948	14015_AC_RD_20201029	10/29/2020	<5.0	<0.50	<0.50	<2.0
92504297	14015_AC_RD_20201105	11/05/2020	<5.0	<0.50	<0.50	<2.0
92504300	DUP-1	11/05/2020	<5.0	<0.50	<0.50	<2.0
92506055	14015_AC_RD	11/12/2020	<5.0	<0.50	<0.50	<2.0
92506038	FD-111220	11/12/2020	<5.0	<0.50	<0.50	<2.0
92491361	14024_Sims_Rd	08/17/2020	<5.0	<0.50	<0.50	<2.0
92492464	14024_Sims_Rd	08/25/2020	<5.0	<0.50	<0.50	<2.0
92494133	14024_SIMS_RD	09/03/2020	<5.0	<0.50	<0.50	<2.0
92525135	14024_SIMS_RD_20210302	03/02/2021	<5.0	<0.50	<0.50	<2.0
92558694	14024_SIMS_RD_20210831	08/31/2021	<5	<0.5	<0.5	<2
92493111	14037_Lawther_Rd	08/30/2020	**37.3**	<0.50	<0.50	<2.0
92495188	14037_LAWTHER_RD	09/11/2020	**23.1**	<0.50	<0.50	<2.0
92491027	14108_HC_Rd	08/15/2020	<5.0	<0.50	<0.50	<2.0
92492688	14108_HC_Rd	08/25/2020	<5.0	<0.50	<0.50	<2.0
92491029	14226_HC_ Rd	08/16/2020	<5.0	<0.50	<0.50	<2.0
92492685	14226_HC_Rd	08/25/2020	<5.0	<0.50	<0.50	<2.0
92493881	14226_HC_RD	09/02/2020	<5.0	<0.50	<0.50	<2.0
92493905	FD_09_02_20	09/02/2020	<5.0	<0.50	<0.50	<2.0
92495187	14226_HC_RD	09/11/2020	<5.0	<0.50	<0.50	<2.0
92495193	FD-091120	09/11/2020	<5.0	<0.50	<0.50	<2.0
92495934	14226_HC_RD_20200916	09/16/2020	<5.0	<0.50	<0.50	<2.0
92497413	14226_HC_RD_20200924	09/24/2020	<5.0	<0.50	<0.50	<2.0
92497418	DUP-1	09/24/2020	<5.0	<0.50	<0.50	<2.0
92498535	14226_HC_RD	10/01/2020	**6.1**	<0.50	<0.50	<2.0
92499662	14226_HC_RD_20201008	10/08/2020	<5.0	<0.50	<0.50	<2.0
92500723	14226_HC_RD_20201015	10/15/2020	<5.0	<0.50	<0.50	<2.0
92501813	14226_HC_RD_20201022	10/22/2020	<5.0	<0.50	<0.50	<2.0
92502953	14226_HC_RD_20201029	10/29/2020	<5.0	<0.50	<0.50	<2.0
92504286	14226_HC_RD_20201105	11/05/2020	<5.0	<0.50	<0.50	<2.0

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			Metals (µg/L)	VOCs (µg/L)		
Lab Report Number	**Sample ID**	**Sample Date**	**Lead**	**Bromodichloromethane**	**Chloroform**	**Methylene Chloride**
		NCAC 2L	**15**	**0.6**	**70**	**5**
		IMAC Standards	**--**	**--**	**--**	**--**
92506051	14226_HC_RD	11/12/2020	<5.0	<0.50	<0.50	<2.0
92507396	14226_HC_RD	11/19/2020	<5.0	<0.50	<0.50	<2.0
92508028	14226_HC_RD_20201124	11/24/2020	<5.0	<0.50	<0.50	<2.0
92508021	DUP-1	11/24/2020	<5.0	<0.50	<0.50	<2.0
92508835	14226_HC_RD_20201201	12/01/2020	<5.0	<0.50	<0.50	<2.0
92510240	14226_HC_RD_20201208	12/08/2020	<5.0	<0.50	<0.50	<2.0
92510245	DUP-1	12/08/2020	<5.0	<0.50	<0.50	<2.0
92511927	14226_HC_RD_20201215	12/15/2020	<5.0	<0.50	<0.50	<2.0
92513359	14226_HC_RD_20201222	12/22/2020	<5.0	<0.50	<0.50	<2.0
92513988	14226_HC_RD_20201229	12/29/2020	<5.0	<0.50	<0.50	<2.0
92513991	DUP-1	12/29/2020	<5.0	<0.50	<0.50	<2.0
92514751	14226_HC_RD_20210105	01/05/2021	<5.0	<0.50	<0.50	<2.0
92516188	14226_HC_RD_2021112	01/12/2021	<5.0	<0.50	<0.50	<2.0
92517237	14226_HC_RD_2021119	01/19/2021	NA	<0.50	<0.50	<2.0
92518581	14226_HC_RD_2021126	01/26/2021	<5.0	<0.50	<0.50	<2.0
92519752	14226_HC_RD_20210202	02/02/2021	<5.0	<0.50	<0.50	<2.0
92519734	Dup-1	02/02/2021	<5.0	<0.50	<0.50	<2.0
92521102	14226_HC_RD_20210209	02/09/2021	<5.0	<0.50	<0.50	<2.0
92521104	DUP-1	02/09/2021	<5.0	<0.50	<0.50	<2.0
92522445	14226_HC_RD_20210216	02/16/2021	<5.0	<0.50	<0.50	<2.0
92523584	14226_HC_RD_20210223	02/23/2021	<5.0	<0.50	<0.50	<2.0
92525132	14226_HC_RD_20210302	03/02/2021	<5.0	<0.50	<0.50	<2.0
92526623	14226_HC_RD_20210309	03/09/2021	<5.0	<0.50	<0.50	<2.0
92527853	14226_HC_RD_20210316	03/16/2021	<5.0	<0.50	<0.50	<2.0
92529174	14226_HC_RD_20210323	03/23/2021	<5	<0.5	<0.5	<2
92530278	14226_HC_RD_20210330	03/30/2021	<5	<0.5	<0.5	<2
92527887	DUP-1	03/16/2021	<5.0	<0.50	<0.50	<2.0
92531398	14226_HC_RD_20210406	04/06/2021	<5.0	<0.50	<0.50	<2.0
92532715	14226_HC_RD_20210413	04/13/2021	<5	<0.5	<0.5	<2
92534061	14226_HC_RD_20210420	04/20/2021	<5	<0.5	<0.5	<2
92535397	14226_HC_RD_20210427	04/27/2021	<5.0	<0.50	<0.50	<2.0
92536809	14226_HC_RD_20210504	05/04/2021	<5	<0.5	<0.5	<2.0
92538174	14226_HC_RD_20210511	05/11/2021	<5	<0.5	<0.5	<2
92538175	DUP-1	05/11/2021	<5	<0.5	<0.5	<2
92539530	14226_HC_RD_20210518	05/18/2021	NA	<0.50	<0.50	<2.0
92539530	14226_HC_RD_20210525	05/25/2021	<5	<0.5	<0.5	<2

Table 7
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			Metals (µg/L)	VOCs (µg/L)		
Lab Report Number	**Sample ID**	**Sample Date**	**Lead**	**Bromodichloromethane**	**Chloroform**	**Methylene Chloride**
		NCAC 2L	**15**	**0.6**	**70**	**5**
		IMAC Standards	**--**	**--**	**--**	**--**
92541587	14226_HC_RD_20210601	06/01/2021	<5.0	<0.50	<0.50	<2.0
92543077	14226_HC_RD_20210608	06/08/2021	<5.0	<0.50	**0.57**	<2.0
92544299	14226_HC_RD_20210615	06/15/2021	<5	<0.5	<0.5	<2
92545602	14226_HC_RD_20210622	06/22/2021	<5	<0.5	**0.35J**	<2
92546853	14226_HC_RD_20210629	06/29/2021	<5.0	<0.50	<0.50	<2.0
92547803	14226_HC_RD_20210706	07/06/2021	<5.0	<0.50	<0.50	<2.0
92547763	DUP-1	07/06/2021	<5.0	<0.50	<0.50	<2.0
92549176	14226_HC_RD_20210713	07/13/2021	<5.0	<0.50	<0.50	<2.0
92550627	14226_HC_RD_20210720	07/20/2021	<5.0	<0.50	<0.50	<2.0
92551873	14226_HC_RD_20210727	07/27/2021	<5.0	<0.50	<0.50	<2.0
92551882	DUP-1	07/27/2021	<5.0	<0.50	<0.50	<2.0
92553038	14226_HC_RD_20210803	08/03/2021	<5.0	<0.50	<0.50	<2.0
92554456	14226_HC_RD_20210810	08/10/2021	**8.8**	<0.5	<0.50	<2
92555774	14226_HC_RD_20210817	08/17/2021	<5.0	<0.50	<0.50	<2.0
92557303	14226_HC_RD_20210824	08/24/2021	<5	<0.5	<0.5	<2
92557292	Dup-1_20210824	08/24/2021	<5	<0.5	<0.5	<2
92558704	14226_HC_RD_20210831	08/31/2021	<5	<0.5	**0.4J**	<2
92559812	14226_HC_RD 20210907	09/07/2021	<5	<0.5	<0.5	<2
92561215	14226_HC_RD_20210914	09/14/2021	<5	<0.5	<0.5	<2
92562311	14226_HC_RD_20210921	09/21/2021	<5.0	<1	**0.143J**	<5
92563643	14226_HC_RD_09282021	09/28/2021	<5.0	<1	**0.313J**	<5
92563645	DUP-1	09/28/2021	<5.0	<1	**0.287J**	<5
92564837	14226_HC_RD_20211005	10/05/2021	<5	<0.5	<0.5	<2
92566380	14226_HC_RD_20211012	10/12/2021	**6.3**	<0.5	<0.5	<2
92567634	14226_HC_RD_20211019	10/19/2021	<5	<0.5	<0.5	<2
92495192	14401_HC_RD	09/11/2020	<5.0	<0.50	<0.50	<2.0
92495926	14401_HC_RD_20200916	09/16/2020	<5.0	<0.50	<0.50	<2.0
92497414	14401_HC_RD 20200924	09/24/2020	<5.0	<0.50	<0.50	<2.0
92498534	14401_HC_RD	10/01/2020	<5.0	<0.50	<0.50	<2.0
92499663	14401_HC_RD_20201008	10/08/2020	<5.0	<0.50	<0.50	<2.0
92500730	14401_HC_RD_20201015	10/15/2020	<5.0	<0.50	<0.50	<2.0
92501803	14401_HC_RD_20201022	10/22/2020	<5.0	<0.50	<0.50	<2.0
92502940	14401_HC_RD_20201029	10/29/2020	<5.0	<0.50	<0.50	<2.0
92504290	14401_HC_RD_20201105	11/05/2020	<5.0	<0.50	<0.50	<2.0
92506047	14401_HC_RD	11/12/2020	<5.0	<0.50	<0.50	<2.0
92507394	14401_HC_RD	11/19/2020	<5.0	<0.50	<0.50	<2.0

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			Metals (µg/L)	VOCs (µg/L)		
Lab Report Number	**Sample ID**	**Sample Date**	**Lead**	**Bromodichloromethane**	**Chloroform**	**Methylene Chloride**
		NCAC 2L	**15**	**0.6**	**70**	**5**
		IMAC Standards	**--**	**--**	**--**	**--**
92508004	14401_HC_RD_20201124	11/24/2020	<5.0	<0.50	<0.50	<2.0
92508717	14401_HC_RD_20201201	12/01/2020	**5.8**	<0.50	<0.50	<2.0
92510211	14401_HC_RD_20201208	12/08/2020	<5.0	<0.50	<0.50	<2.0
92512045	14401_HC_RD_20201215	12/15/2020	<5.0	<0.50	<0.50	<2.0
92513372	14401_HC_RD_20201222	12/22/2020	<5.0	<0.50	<0.50	<2.0
92513342	Dup-1	12/22/2020	<5.0	<0.50	<0.50	<2.0
92513981	14401_HC_RD_20201229	12/29/2020	<5.0	<0.50	<0.50	<2.0
92514759	14401_HC_RD_20210105	01/05/2021	<5.0	<0.50	<0.50	<2.0
92516197	14401_HC_RD_2021112	01/12/2021	<5.0	<0.50	<0.50	<2.0
92517232	14401_HC_RD_2021119	01/19/2021	<5.0	<0.50	<0.50	<2.0
92518569	14401_HC_RD_20211126	01/26/2021	<5.0	<0.50	<0.50	<2.0
92518564	DUP-1	01/26/2021	<5.0	<0.50	<0.50	<2.0
92519739	14401_HC_RD_20210202	02/02/2021	<5.0	<0.50	<0.50	<2.0
92521093	14401_HC_RD_20210209	02/09/2021	<5.0	<0.50	<0.50	<2.0
92522431	14401_HC_RD_20210216	02/16/2021	<5.0	<0.50	<0.50	<2.0
92523581	14401_HC_RD_20210223	02/23/2021	<5.0	<0.50	<0.50	<2.0
92525134	14401_HC_RD_20210302	03/02/2021	**10.4**	<0.50	<0.50	<2.0
92526626	14401_HC_RD_20210309	03/09/2021	<5.0	<0.50	<0.50	<2.0
92526621	DUP-1	03/09/2021	<5.0	<0.50	<0.50	<2.0
92527871	14401_HC_RD_20210316	03/16/2021	<5.0	<0.50	<0.50	<2.0
92527871	14401_HC_RD_20210316	03/16/2021	<5	<0.5	<0.5	<2
92529145	14401_HC_RD_20210323	03/23/2021	**5.5**	<0.5	<0.5	<2
92530273	14401_HC_RD_20210330	03/30/2021	<5	<0.5	<0.5	<2
92531400	14401_HC_RD_20210406	04/06/2021	<5.0	<0.50	<0.50	<2.0
92532719	14401_HC_RD_20210413	04/13/2021	**20.4**	<0.5	<0.5	<2
92534072	14401_HC_RD_20210420	04/20/2021	<5	<0.5	<0.5	<2
92535399	14401_HC_RD_20210427	04/27/2021	<5.0	<0.50	<0.50	<2.0
92536814	14401_HC_RD_20210504	05/04/2021	**5.1**	<0.5	<0.5	<2
92538161	14401_HC_RD_20210511	05/11/2021	<5	<0.5	<0.5	<2
92539519	14401_HC_RD_20210518	05/18/2021	<5.0	<0.50	<0.50	<2.0
92540621	14401_HC_RD_20210525	05/25/2021	<5	<0.5	<0.5	<2
92541589	14401_HC_RD_20210601	06/01/2021	<5.0	<0.50	<0.50	<2.0
92543081	14401_HC_RD_20210608	06/08/2021	<5.0	<0.50	<0.50	<2.0
92544312	14401_HC_RD_20210615	06/15/2021	<5	<0.5	<0.5	<2
92545598	14401_HC_RD_20210622	06/22/2021	<5	<0.5	<0.5	<2
92546850	14401_HC_RD_20210629	06/29/2021	<5.0	<0.50	<0.50	<2.0

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			Metals (µg/L)	VOCs (µg/L)		
Lab Report Number	**Sample ID**	**Sample Date**	**Lead**	**Bromodichloromethane**	**Chloroform**	**Methylene Chloride**
		NCAC 2L	**15**	**0.6**	**70**	**5**
		IMAC Standards	**--**	**--**	**--**	**--**
92546846	Dup-1	06/29/2021	<5.0	<0.50	<0.50	<2.0
92547811	14401_HC_RD_20210706	07/06/2021	<5.0	<0.50	<0.50	<2.0
92549171	14401_HC_RD_20210713	07/13/2021	<5.0	<0.50	<0.50	<2.0
92550626	14401_HC_RD_20210720	07/20/2021	<5.0	<0.50	<0.50	<2.0
92551854	14401_HC_RD_20210727	07/27/2021	<5.0	<0.50	<0.50	<2.0
92553032	14401_HC_RD_20210803	08/03/2021	<5.0	<0.5	<0.50	<2
92554497	14401_HC_RD_20210810	08/10/2021	<5.0	<0.5	<0.50	<2
92554531	Dup-1_20210810	08/10/2021	<5	<0.5	<0.5	<2
92555782	14401_HC_RD_20210817	08/17/2021	<5.0	<0.50	<0.50	<2.0
92557300	14401_HC_RD_20210824	08/24/2021	<5	<0.5	<0.5	<2
92558709	14401_HC_RD_20210831	08/31/2021	<5	<0.5	<0.5	<2
92559806	14401_HC_RD 20210907	09/07/2021	<5	<0.5	<0.5	<2
92559813	DUP-1_20210907	09/07/2021	<5	<0.5	<0.5	<2
92561217	14401_HC_RD_20210914	09/14/2021	<5	<0.5	<0.5	<2
92562318	14401_HC_RD_20210921	09/21/2021	<5.0	<1	<5	<5
92563651	14401_HC_RD_09282021	09/28/2021	<5.0	<1	<5	<5
92564839	14401_HC_RD_20211005	10/05/2021	<5	<0.5	<0.5	<2
92566385	14401_HC_RD_20211012	10/12/2021	**75.3**	<0.5	<0.5	<2
92567628	14401_HC_RD	10/19/2021	<5	<0.5	<0.5	<2
92567636	DUP-1	10/19/2021	<5	<0.5	<0.5	<2
92492048	15104_PL_Dr	08/22/2020	NA	NA	NA	NA
92492044	15110_PL_ Dr	08/22/2020	NA	NA	NA	NA
92492047	15120_PL_Dr	08/22/2020	NA	NA	NA	NA
92492046	15128_PL_ Dr	08/22/2020	NA	NA	NA	NA
92492045	15136_PL_ Dr	08/22/2020	NA	NA	NA	NA
92491031	16366_HC_Rd	08/16/2020	<5.0	<0.50	<0.50	<2.0
92492689	HOA_Lawn	08/26/2020	<5.0	<0.50	<0.50	<2.0
92492686	FD1_08262020	08/26/2020	<5.0	<0.50	<0.50	<2.0
92493898	HOA_LAWN	09/02/2020	<5.0	<0.50	<0.50	<2.0
92495066	HOA_LAWN	09/10/2020	<5.0	<0.50	<0.50	<2.0
92558692	HOA_HC_RD_20210831	08/31/2021	**4.8J**	<0.5	<0.5	<2
QC Data						
92497418	FB-1	09/24/2020	<5.0	<0.50	<0.50	<2.0
92492469	Field Blank	08/25/2020	<5.0	<0.50	<0.50	**2.1**
92492905	Field Blank	08/27/2020	<5.0	<0.50	<0.50	<2.0
92492033	Field_Blank	08/21/2020	<5.0	NA	NA	NA

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		NCAC 2L	**15**	**0.6**	**70**	**5**
		IMAC Standards	**--**	**--**	**--**	**--**
92492686	Field_Blank	08/26/2020	<5.0	<0.50	<0.50	<2.0
92493905	Field_Blank	09/02/2020	<5.0	<0.50	<0.50	<2.0
92494126	Field_Blank	09/03/2020	<0.50	<0.50	<0.50	<2.0
92495069	FIELD_BLANK	09/10/2020	<5.0	<0.50	<0.50	**3.3**
92495193	FIELD_BLANK	09/11/2020	<5.0	<0.50	<0.50	**3.1**
92495930	Field_Blank 09-16-2020	09/16/2020	<5.0	<0.50	<0.50	**2.9**
92491368	FIELD_BLANK_1	08/17/2020	<5.0	<0.50	<0.50	<2.0
92499673	FB-1	10/08/2020	<5.0	<0.50	<0.50	<2.0
92500731	FB-1	10/15/2020	<5.0	<0.50	<0.50	<2.0
92501817	FB-1	10/22/2020	<5.0	<0.50	<0.50	<2.0
92502957	FB-1	10/29/2020	<5.0	<0.50	<0.50	<2.0
92504300	FB-1	11/05/2020	<5.0	<0.50	<0.50	<2.0
92506038	Field Blank	11/12/2020	<5.0	<0.50	<0.50	<2.0
92507391	Field Blank	11/19/2020	<5.0	<0.50	<0.50	<2.0
92508021	FB-1	11/24/2020	<5.0	<0.50	<0.50	<2.0
92508822	FB-1	12/01/2020	<0.50	<0.50	<0.50	<0.50
92510245	FB-1	12/08/2020	<5.0	<0.50	<0.50	<2.0
92512046	FB-1	12/15/2020	<5.0	<0.50	<0.50	<2.0
92513342	FB-1	12/22/2020	<5.0	<0.50	<0.50	<2.0
92513991	FB-1	12/29/2020	<5.0	<0.50	<0.50	<2.0
92514760	FB-1	01/05/2021	<5.0	<0.50	<0.50	<2.0
92516192	FB-1	01/12/2021	<5.0	<0.50	<0.50	<2.0
92517218	FB-1	01/19/2021	<5.0	<0.50	<0.50	<2.0
92518564	FB-1	01/26/2021	<5.0	<0.50	<0.50	<2.0
92519734	FB-1	02/02/2021	<5.0	<0.50	<0.50	<2.0
92521104	FB-1	02/09/2021	<5.0	<0.50	<0.50	<2.0
92522438	FB-1	02/16/2021	<5.0	<0.50	<0.50	<2.0
92523574	FB-1	02/23/2021	<5.0	<0.50	<0.50	<2.0
92525144	FB-1	03/02/2021	<5.0	<0.50	<0.50	<2.0
92526621	FB-1	03/09/2021	<5.0	<0.50	<0.50	<2.0
92527887	FB-1	03/16/2021	<5.0	<0.50	<0.50	<2.0
92530286	FB-1	03/30/2021	<5.0	<0.50	<0.50	<2.0
92531397	FB-1	04/06/2021	<5.0	<0.50	<0.50	<2.0
92535408	FB-1	04/27/2021	<5.0	<0.50	<0.50	<2.0
92536817	FB-1	05/04/2021	<5.0	<0.5	<0.50	<2
92538175	FB-1	05/11/2021	<5	<0.5	<0.5	<2

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		NCAC 2L	**15**	**0.6**	**70**	**5**
		IMAC Standards	**--**	**--**	**--**	**--**
92539533	FB-1	05/18/2021	<5.0	<0.50	<0.50	<2.0
92540633	FB-1	05/25/2021	<5	<0.5	<0.5	<2
92541599	FB-1	06/01/2021	<5.0	<0.50	<0.50	<2.0
92543084	FB-1	06/08/2021	<5.0	<0.50	<0.50	<2.0
92545591	FB-1	06/22/2021	<5	<0.5	<0.5	<2
92546846	FB-1	06/29/2021	<5.0	<0.50	<0.50	<2.0
92547763	FB-1	07/06/2021	<5.0	<0.50	<0.50	<2.0
92549163	FB-1	07/13/2021	<5.0	<0.50	<0.50	<2.0
92550622	FB-1	07/20/2021	<5.0	<0.50	<0.50	<2.0
92551882	FB-1	07/27/2021	<5.0	<0.50	<0.50	<2.0
92553048	FB-1	08/03/2021	<5.0	<0.5	<0.50	<2
92554531	FB-1	08/10/2021	<5	<0.5	<0.5	<2
92555763	FB-1	08/17/2021	<5.0	<0.50	<0.50	<2.0
92557292	FB-1	08/24/2021	<5	<0.5	<0.5	<2
92558711	FB-1	08/31/2021	<5	<0.5	<0.5	<2
92559813	FB-1	09/07/2021	<5	<0.5	<0.5	<2
92561225	FB-1	09/14/2021	<5	<0.5	<0.5	<2
92562323	FB-1	09/21/2021	<5	<1	<5	<5
92563645	FB-1	09/28/2021	<5	<1	<5	<5
92564847	FB-1*	10/05/2021	<5	<0.5	<0.5	<2
92566386	FB-1	10/12/2021	<5	<0.5	<0.5	<2
92567636	FB-1	10/19/2021	<5	<0.5	<0.5	<2
92492469	Trip Blank	08/25/2020	NA	<0.50	<0.50	<2.0
92492905	Trip Blank	08/27/2020	NA	<0.50	<0.50	<2.0
92491368	TRIP_BLANK	08/17/2020	NA	<0.50	<0.50	<2.0
92491387	TRIP_BLANK	08/18/2020	NA	<0.50	<0.50	<2.0
92491555	TRIP_BLANK	08/18/2020	NA	<0.50	<0.50	<2.0
92492033	Trip_Blank	08/21/2020	NA	NA	<0.50	NA
92493111	Trip_Blank	08/30/2020	NA	<0.50	<0.50	<2.0
92493905	Trip_Blank	09/02/2020	NA	<0.50	<0.50	<2.0
92494126	Trip_Blank	09/03/2020	NA	<0.50	<0.50	<2.0
92495069	TRIP_BLANK	09/10/2020	NA	<0.50	<0.50	<2.0
92495193	TRIP_BLANK	09/11/2020	NA	<0.50	<0.50	<2.0
92495930	Trip_Blank	09/16/2020	NA	<0.50	<0.50	<2.0
92497418	Trip_Blank	09/24/2020	NA	<0.50	<0.50	<2.0
92499673	TRIP BLANK	10/08/2020	NA	<0.50	<0.50	<2.0

Table 7
Summary of Water Supply Well Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

			Metals (µg/L)	VOCs (µg/L)		
Lab Report Number	**Sample ID**	**Sample Date**	**Lead**	**Bromodichloromethane**	**Chloroform**	**Methylene Chloride**
		NCAC 2L	**15**	**0.6**	**70**	**5**
		IMAC Standards	**--**	**--**	**--**	**--**
92500731	TRIP BLANK	10/15/2020	NA	<0.50	<0.50	<2.0
92501817	TRIP BLANK	10/22/2020	NA	<0.50	<0.50	<2.0
92502957	TRIP BLANK	10/29/2020	NA	<0.50	<0.50	<2.0
92504300	TRIP BLANK	11/05/2020	NA	<0.50	<0.50	<2.0
92506038	Trip Blank	11/12/2020	NA	<0.50	<0.50	<2.0
92507391	Trip Blank	11/19/2020	NA	<0.50	<0.50	<2.0
92508021	Trip Blank	11/24/2020	<5.0	<0.50	<0.50	<2.0
92508822	Trip Blank	12/01/2020	NA	<0.50	<0.50	<0.50
92510245	Trip Blank	12/08/2020	NA	<0.50	<0.50	<2.0
92512046	Trip Blank	12/15/2020	NA	<0.50	<0.50	<2.0
92513342	Trip Blank	12/22/2020	NA	<0.50	<0.50	<2.0
92513991	Trip Blank	12/29/2020	NA	<0.50	<0.50	<2.0
92514760	TRIP BLANK	01/05/2021	NA	<0.50	<0.50	<2.0
92516192	Trip Blank	01/12/2021	NA	<0.50	<0.50	<2.0
92517218	TRIP BLANK	01/19/2021	NA	<0.50	<0.50	<2.0
92518564	Trip Blank	01/26/2021	NA	<0.50	<0.50	<2.0
92519734	Trip Blank	02/02/2021	NA	<0.50	<0.50	<2.0
92521104	Trip Blank	02/09/2021	NA	<0.50	<0.50	<2.0
92522438	Trip Blank	02/16/2021	NA	<0.50	<0.50	<2.0
92523574	Trip Blank	02/23/2021	NA	<0.50	<0.50	<2.0
92525144	Trip Blank	03/02/2021	NA	<0.50	<0.50	<2.0
92526621	Trip Blank	03/09/2021	NA	<0.50	<0.50	<2.0
92527887	TRIP BLANK	03/16/2021	NA	<0.50	<0.50	<2.0
92530286	Trip Blank	03/30/2021	NA	<0.50	<0.50	<2.0
92531397	TRIP BLANK	04/06/2021	NA	<0.50	<0.50	<2.0
92535408	TRIP BLANK	04/27/2021	NA	<0.50	<0.50	<2.0
92536817	Trip Blank	05/04/2021	NA	<0.5	<0.5	<2
92538175	TRIP BLANK	05/11/2021	NA	<0.5	<0.5	<2
92539533	TRIP BLANK	05/18/2021	NA	<0.50	<0.50	<2.0
92540633	TRIP BLANK	05/25/2021	NA	<0.5	<0.5	<2
92541599	Trip Blank	06/01/2021	NA	<0.50	<0.50	<2.0
92543084	Trip Blank	06/08/2021	NA	<0.50	<0.50	<2.0
92545591	TRIP BLANK	06/22/2021	NA	<0.5	<0.5	<2
92546846	Trip Blank	06/29/2021	NA	<0.50	<0.50	<2.0
92547763	TRIP BLANK	07/06/2021	NA	<0.50	<0.50	<2.0
92549163	Trip Blank	07/13/2021	NA	<0.50	<0.50	<2.0

Table 7
Summary of Water Supply Well Sampling Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

			Metals (µg/L)	VOCs (µg/L)		
Lab Report Number	**Sample ID**	**Sample Date**	**Lead**	**Bromodichloromethane**	**Chloroform**	**Methylene Chloride**
		NCAC 2L	**15**	**0.6**	**70**	**5**
		IMAC Standards	**--**	**--**	**--**	**--**
92550622	Trip Blank	07/20/2021	NA	<0.50	<0.50	<2.0
92551882	Trip Blank	07/27/2021	NA	<0.50	<0.50	<2.0
92553048	TRIP BLANK	08/03/2021	NA	<0.5	<0.50	<2
92554531	Trip Blank	08/10/2021	NA	<0.5	<0.5	<2
92555763	TB	08/17/2021	NA	<0.50	<0.50	<2.0
92557292	Trip Blank	08/24/2021	NA	<0.5	<0.5	<2
92558711	TRIP BLANK	08/31/2021	NA	<0.5	<0.5	<2
92559813	TRIP BLANK	09/07/2021	NA	<0.5	<0.5	<2
92562323	TRIP BLANK	09/21/2021	NA	<1	<5	**0.466J**
92563645	TRIP BLANK	09/28/2021	NA	<1	<5	**0.672J**
92564847	TRIP BLANK	10/5/2021	NA	<0.5	<0.5	<2
92566386	TRIP BLANK	10/12/2021	NA	<0.5	<0.5	<2
92567636	TRIP BLANK	10/19/2021	NA	<0.5	<0.5	<2

Notes:
NA - Not Analyzed
ID - Identification
All units reported in micrograms per liter (µg/L)
Only detected constituents are shown
NCAC 2L Standard - North Carolina 15A NCAC 2L Groundwater Standard
NCAC 2B Standard - North Carolina 15A NCAC 2B Surface Water Standard
GCL - Gross Contaminant Level
"<" - Indicates compound was not detected above laboratory reporting limit
J - Estimated concentration below laboratory reporting limit
VOCs - Volatile Organic Compounds analyzed by EPA Method 8260D
SVOCs - Semi Volatile Organic Compounds analyzed by EPA Method 625.1
MADEP - Massachusetts Department of Environmental Protection

Table 8
Water Supply Well and Receptor Information

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well # / Receptor ID	Type	Contact Name	Own/ User/ Both	Contact Phone #	Street Adress for Receptor	Receptor Description and Location Details	Latitude / Longitude *(Decimal Degrees)*	Source Status & Use	Distance from source (ft)	Up- or Down-Gradient (if Known)
13712_HC_RD	N/A	PEGLER	BOTH	N/A	13712 HUNTERSVILLE-CONCORD RD	Single-Family	35.41270, -80.81165	Inactive	>1500	N/A
13800_HC_RD	N/A	MARLOWE	BOTH	N/A	13800 HUNTERSVILLE-CONCORD RD	Single-Family	35.41253, -80.81075	Inactive	<1500	N/A
13822_HC_RD	N/A	RANSON	BOTH	N/A	13822 HUNTERSVILLE-CONCORD RD	Single-Family	35.41275, -80.80974	Inactive	<1500	N/A
13926A_HC_RD	N/A	WHITBY	OWN	N/A	13926 HUNTERSVILLE-CONCORD RD	Single-Family	35.41259, -80.80790	Abandoned	<1500	Down
13926B_HC_RD	N/A	WHITBY	OWN	N/A	13926 HUNTERSVILLE-CONCORD RD	Single-Family	35.41259, -80.80790	Abandoned	<1500	Down
14108_HC_RD	N/A	SKINNER	OWN	N/A	14108 HUNTERSVILLE-CONCORD RD	Single-Family	35.41336, -80.80555	Abandoned	<1500	Down
14401_HC_RD	N/A	GRAY	BOTH	N/A	14401 HUNTERSVILLE-CONCORD RD	Single-Family	N/A	Potable Use	<1500	Down
14226_HC_RD	N/A	BROWN	BOTH	N/A	14226 HUNTERSVILLE-CONCORD RD	Agricultural, Commercial Production	N/A	Potable Use	<1500	N/A
14000_LAWTHER_RD	N/A	SHINN	BOTH	N/A	14000 LAWTHER RD	N/A	N/A	Inactive	<1500	N/A
13835_AC_RD	N/A	WARD	BOTH	N/A	13835 ASBURY CHAPEL RD	Single-Family	35.41056, -80.80553	Potable Use	<1500	Down
13923_AC_RD	N/A	BLOCH	BOTH	N/A	13923 ASBURY CHAPEL RD	Single-Family	N/A	Abandoned	<1500	Down
13945_AC_RD	N/A	PARKS	OWN	N/A	13945 ASBURY CHAPEL RD	Single-Family	35.41250, -80.80514	Abandoned	<1500	Down
14015_AC_RD	N/A	WALKER	BOTH	N/A	14015 ASBURY CHAPEL RD	Single-Family	35.41266, -80.80542	Abandoned	<1500	Down
13831_SIMS	N/A	KERN	BOTH	N/A	13831 SIMS RD	Single-Family	35.41107, -80.80028	Potable Use	>1500	Down
13901_SIMS	N/A	FEHR	BOTH	N/A	13901 SIMS RD	Single-Family	35.41242, -80.80050	Potable Use	>1500	Down
13920_SIMS	N/A	WEAVER	BOTH	N/A	13920 SIMS RD	Single-Family	35.41210, -80.79931	Potable Use	>1500	Down
14024_SIMS	N/A	WOODS	BOTH	N/A	14024 SIMS RD	Single-Family	35.41271, -80.79929	Potable Use	>1500	Down
North Prong, Clark Creek	Creek	Mecklenburg County	N/A	N/A	N/A	N/A	35.42002, -80.79769	Creek	>1500	Down
South Prong, Clark Creek	Creek	BROWN	N/A	N/A	N/A	N/A	35.40596, -80.80154	Creek	>1500	Down
Seep (Brown Field)	Seep	BROWN	N/A	N/A	N/A	N/A	35.41174, -80.80334	Seep	>1500	Down
Recharge for Deep Aquifers	N/A	N/A	N/A	N/A	N/A	N/A	35.41263, -80.80557	Recharge Zone	<1500	Up

Notes:
N/A = Data not available

Table 9
Summary of Soil Vapor Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

			APH (µg/m^3)			VOCs (µg/m^3)																				
Lab Report Number	**Sample ID**	**Sample Date**	**C5-C8 Aliphatics (adjusted)**	**C9-C10 Aromatics**	**C9-C12 Aliphatics (adjusted)**	**1,1,1-Trichloroethane**	**1,1,2,2-Tetrachloroethane**	**1,1,2-Trichloroethane**	**1,1-Dichloroethane**	**1,1-Dichloroethene**	**1,2,3-Trimethylbenzene**	**1,2,4-Trichlorobenzene**	**1,2,4-Trimethylbenzene**	**1,2-Dibromoethane**	**1,2-Dichlorobenzene**	**1,2-Dichloroethane**	**1,2-Dichloropropane**	**1,2-Dichlorotetrafluoroethane (Freon 114)**	**1,3,5-Trimethylbenzene**	**1,3-Butadiene**	**1,3-Dichlorobenzene**	**1,4-Dichlorobenzene**	**1,4-Dioxane**	**2,2,4-Trimethylpentane**	**4-Ethyltoluene**	**4-Isopropyltoluene**	**Acetone**
Sub-slab and Exterior SGSL			**4200**	**21**	**700**	**35000**	**16**	**1.4**	**580**	**1400**	**NE**	**14**	**420**	**1.6**	**1400**	**36**	**28**	**N/A**	**420**	**14**	**N/A**	**85**	**190**	**NE**	**NE**	**NE**	**220000**
IASL (A), TCR=1.0E-06 THQ=0.2			**130**	**63**	**21**	**1000**	**0.05**	**0.04**	**1.80**	**42**	**NE**	**0.42**	**13**	**0.0047**	**42**	**0.11**	**0.76**	**N/A**	**13**	**0.09**	**N/A**	**0.26**	**0.56**	**NE**	**NE**	**NE**	**6500**
92512003	SV-1	12/15/2020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.9	NA	NA	NA	NA	NA	<1.9	NA	NA	NA	NA	NA	NA	NA	NA
200-56803	SV-1_E	01/07/2021	**150**	<50	<71	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	<9.3	<9.8	<11	<120
92515439	SV-1-PA	01/07/2021	**433**	<17.2	**233**	<1.9	<1.2	<0.93	<1.4	<1.4	<1.7	<12.7	**2.10**	<1.3	<2.0	<0.69	<1.6	NA	<1.7	<0.76	<2.0	<5.1	<12.3	**5.0**	<4.2	NA	<10.1
200-57251	SVP-01	02/12/2021	<1,200	<1,000	<1,200	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	<9.3	<9.8	<11	<120
200-57564	SVP-01	03/09/2021	**560**	<100	<120	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	<9.3	<9.8	<11	<120
200-58012	SVP-01	04/08/2021	**130**	<100	<120	**22**	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	<9.3	<9.8	<11	<120
200-58344	SVP-01	05/04/2021	**800**	<100	**120**	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	<9.3	<9.8	<11	<120
200-58576	SVP-01_E	05/20/2021	**29**	<10	<12	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	<9.3	<9.8	<11	**85J**
92540103	SVP-01-PA	05/20/2021	**300**	<10	**360**	<5.5	<6.9	<0.55	<0.40	<0.40	<1.8	<0.74	<0.49	<0.77	<0.60	<0.40	<0.46	<0.70	<0.49	<0.22	<0.60	<0.60	<3.6	<1.3	<0.49	NA	**18**
92541930	SVP-01	06/02/2021	**370**	<10	**360**	**0.61**	<0.69	<0.55	<0.40	<0.40	<1.8	**1.9J**	<0.49	**1.40**	**1.30**	<0.40	<0.46	<0.70	**0.88**	<0.22	**1.20**	<0.60	<3.6	<1.3	<0.49	NA	**10**
92543128	SVP-01	06/08/2021	**170**	<10	**230**	<1.1	<1.4	<1.1	<0.81	<0.79	<1.8	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**16J**
92549534	SVP-01	07/14/2021	**250**	<10	**240**	<0.55	<0.69	<0.55	<0.40	<0.40	<1.8	<0.74	<0.49	<0.77	<0.60	<0.40	<0.46	<0.70	<0.49	<0.22	<0.60	<0.60	<3.6	<1.3	<0.49	NA	**28**
92552703	SVP-01	08/11/2021	**60**	<20	**110**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	<19
92557565	SVP-01	08/25/2021	**190**	<20	**280**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**0.47J**	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**19**
92558814	SVP-01	09/01/2021	**31**	<5	**32**	<1.1	<1.4	<1.1	**0.28J**	<0.79	<3.7	<1.5	**0.61J**	**0.46J**	<1.2	**0.31J**	**0.41J**	**0.67J**	**0.37J**	<0.44	**0.41J**	<1.2	<7.2	<2.5	**0.35J**	NA	<19
92560656	SVP-01	09/10/2021	**96**	<20	**120**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	<19
92561599	SVP-01	09/15/2021	**460**	<20	**370**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	**0.43J**	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**14J**
92562843	SVP-01	09/22/2021	**320**	<20	**370**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**1.7**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.39J**	<0.44	<1.2	<1.2	<7.2	<2.5	**0.43J**	NA	**17J**
92563968	SVP-01	09/29/2021	**120**	<20	**150**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**0.90J**	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**12J**
92512003	SV-2	12/15/2020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.9	NA	NA	NA	NA	NA	<1.9	NA	NA	NA	NA	NA	NA	NA	NA
200-56803	SV-2_E	01/07/2021	<91	<50	<71	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	<9.3	<9.8	<11	<120
92515439	SV-2-PA	01/07/2021	<38.4	<18.7	**115**	<2.0	<1.3	<1.0	<1.5	<1.5	<1.8	<13.8	<1.8	<1.4	<2.2	<0.75	<1.7	NA	<1.8	<0.82	<2.2	<5.6	<13.4	<4.3	<4.6	NA	<11.1
200-57251	SVP-02	02/12/2021	**940**	<200	<240	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	<9.3	<9.8	<11	**35J**
200-57564	SVP-02	03/09/2021	**510**	<100	**190**	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	<9.3	<9.8	<11	**67J**
200-58012	SVP-02	04/08/2021	**390**	<100	<120	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	<9.3	<9.8	<11	**41J**
200-58344	SVP-02	05/04/2021	**220**	<100	<120	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	**9.0J**	<9.8	<11	<120
200-58576	SVP-02_E	05/20/2021	**38**	<10	<12	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	**2.5J**	<9.8	<11	<120
92540103	SVP-02-PA	05/20/2021	**190**	<10	**290**	<0.55	<0.69	<0.55	<0.40	<0.40	<0.49	<0.74	<0.49	<0.77	<0.60	<0.40	<0.46	<0.70	<0.49	<0.22	<0.60	<0.60	<3.6	<1.3	<0.49	NA	**12**
92541930	SVP-02	06/02/2021	**140**	<10	**260**	<0.55	<0.69	<0.55	<0.40	<0.40	<1.8	<0.74	<0.49	<0.77	<0.60	<0.40	<0.46	<0.70	<0.49	<0.22	<0.60	<0.60	<3.6	<1.3	<0.49	NA	**8.9J**
92543128	SVP-02	06/08/2021	**340**	**22**	**370**	<1.1	<1.4	<1.1	<0.81	<0.79	**0.86J**	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	**1.1J**	<0.98	NA	<19
92549534	SVP-02	07/14/2021	**310**	<10	**250**	<0.55	<0.69	<0.55	<0.40	<0.40	<1.8	<0.74	<0.49	<0.77	<0.60	<0.40	<0.46	<0.70	<0.49	<0.22	<0.60	<0.60	<3.6	<1.3	<0.49	NA	**24**
92552703	SVP-02	08/11/2021	**280**	<20	**300**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**19**
92557565	SVP-02	08/25/2021	**550**	**26**	**400**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**2.40**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.57J**	<0.44	<1.2	<1.2	<7.2	<2.5	**0.49J**	NA	**30**
92558814	SVP-02	09/01/2021	**24**	<5	**21**	<1.1	**0.52J**	**0.44J**	**0.37J**	**0.35J**	<3.7	<1.5	**0.57J**	**0.58J**	**0.46J**	**0.39J**	**0.39J**	**0.7J**	**0.33J**	<0.44	**0.46J**	<1.2	<7.2	<2.5	**0.35J**	NA	**15J**
92560656	SVP-02	09/10/2021	**540**	<20	**330**	<1.1	<1.4	<1.1	<0.81	<0.79	**0.92J**	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	**1.0**	NA	<19
92561599	SVP-02	09/15/2021	**270**	<20	**230**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	**0.41J**	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**31**
92562843	SVP-02	09/22/2021	**430**	<20	**270**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**2.0**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.49J**	<0.44	<1.2	<1.2	<7.2	<2.5	**0.55J**	NA	**13J**
92563968	SVP-02	09/29/2021	**170**	<20	**110**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**1.2**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.39J**	<0.44	<1.2	<1.2	<7.2	**3.4**	**0.39J**	NA	<19

Table 9
Summary of Soil Vapor Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

			APH (µg/m^3)			VOCs (µg/m^3)																				
Lab Report Number	**Sample ID**	**Sample Date**	**C5-C8 Aliphatics (adjusted)**	**C9-C10 Aromatics**	**C9-C12 Aliphatics (adjusted)**	**1,1,1-Trichloroethane**	**1,1,2,2-Tetrachloroethane**	**1,1,2-Trichloroethane**	**1,1-Dichloroethane**	**1,1-Dichloroethene**	**1,2,3-Trimethylbenzene**	**1,2,4-Trichlorobenzene**	**1,2,4-Trimethylbenzene**	**1,2-Dibromoethane**	**1,2-Dichlorobenzene**	**1,2-Dichloroethane**	**1,2-Dichloropropane**	**1,2-Dichlorotetrafluoroethane (Freon 114)**	**1,3,5-Trimethylbenzene**	**1,3-Butadiene**	**1,3-Dichlorobenzene**	**1,4-Dichlorobenzene**	**1,4-Dioxane**	**2,2,4-Trimethylpentane**	**4-Ethyltoluene**	**4-Isopropyltoluene**	**Acetone**
Sub-slab and Exterior SGSL			**4200**	**21**	**700**	**35000**	**16**	**1.4**	**580**	**1400**	**NE**	**14**	**420**	**1.6**	**1400**	**36**	**28**	**N/A**	**420**	**14**	**N/A**	**85**	**190**	**NE**	**NE**	**NE**	**220000**
IASL (A), TCR=1.0E-06 THQ=0.2			**130**	**63**	**21**	**1000**	**0.05**	**0.04**	**1.80**	**42**	**NE**	**0.42**	**13**	**0.0047**	**42**	**0.11**	**0.76**	**N/A**	**13**	**0.09**	**N/A**	**0.26**	**0.56**	**NE**	**NE**	**NE**	**6500**
92512003	SV-3	12/15/2020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.8	NA	NA	NA	NA	NA	<1.8	NA	NA	NA	NA	NA	NA	NA	NA
200-56803	SV-3_E	01/07/2021	<91	<50	<71	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	<9.3	<9.8	<11	<120
92515439	SV-3-PA	01/07/2021	**82**	<19.4	**204**	<2.1	<1.3	<1.1	<1.6	<1.5	<1.9	<14.3	**2.30**	<1.5	<2.3	<0.78	<1.8	NA	<1.9	<0.86	<2.3	<5.8	<13.9	**10.70**	<4.8	NA	<11.5
200-57251	SVP-03	02/12/2021	**17000**	<1000	<1200	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	**31**	<9.8	<11	<120
200-57564	SVP-03	03/09/2021	**21**	<10	<12	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	**2.4J**	<9.8	<11	**46J**
200-58012	SVP-03	04/08/2021	**1700**	<100	<120	<22	<27	<22	<16	<16	NA	<74	<20	<31	<24	<16	<18	<28	<20	<8.8	<24	<24	<360	<19	<20	<22	**66J**
200-58344	SVP-03	05/04/2021	**1500**	<100	<120	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	**25**	<9.8	<11	<120
200-58576	SVP-03_E	05/20/2021	**3100**	<510	<610	<56	<70	<56	<41	<40	NA	<190	<50	<78	<61	<41	<47	<71	<50	<23	<61	<61	<920	**10J**	<50	<56	<610
92540103	SVP-03-PA	05/20/2021	**760**	**14**	**420**	<0.55	<0.69	<0.55	<0.40	<0.40	<1.8	<0.74	<0.49	<0.77	<0.60	<0.40	<0.46	<0.70	<0.49	<0.22	<0.60	<0.60	<3.6	**1.60**	<0.49	NA	<9.5
92541930	SVP-03	06/02/2021	**600**	<10	**250**	<0.55	<0.69	<0.55	<0.40	<0.40	<1.8	<0.74	<0.49	<0.77	<0.60	<0.40	<0.46	<0.70	<0.49	<0.22	<0.60	<0.60	<3.6	<1.3	<0.49	NA	<9.5
92543128	SVP-03	06/08/2021	**670**	**17**	**340**	<1.1	<1.4	<1.1	<0.81	<0.79	**0.29J**	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	**1.1J**	<0.98	NA	<19
92549534	SVP-03	07/14/2021	**87**	<10	**130**	<0.55	<0.69	<0.55	<0.40	<0.40	<1.8	<0.74	<0.49	<0.77	<0.60	<0.40	<0.46	<0.70	<0.49	<0.22	<0.60	<0.60	<3.6	<1.3	<0.49	NA	<9.5
92552703	SVP-03	08/11/2021	**290**	<20	**140**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	<19
92557565	SVP-03	08/25/2021	**190**	<20	**370**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**0.77J**	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**13J**
92558814	SVP-03	09/01/2021	**22**	<5	**39**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**0.45J**	<1.5	<1.2	<0.81	<0.92	**0.53J**	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	<19
92560656	SVP-03	09/10/2021	**680**	<20	**410**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	**0.39J**	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**16J**
92561599	SVP-03	09/15/2021	**300**	<20	**230**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	**0.69J**	<0.44	<1.2	<1.2	<7.2	<2.5	**0.55J**	NA	**22**
92562843	SVP-03	09/22/2021	**750**	<20	**490**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**3.4**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.65J**	<0.44	<1.2	<1.2	<7.2	**0.82J**	**0.85J**	NA	**34**
92563968	SVP-03	09/29/2021	**82**	<20	**80**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**1.0**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.33J**	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	<19

Table 9
Summary of Soil Vapor Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

			APH (µg/m^3)			VOCs (µg/m^3)																				
Lab Report Number	**Sample ID**	**Sample Date**	**C5-C8 Aliphatics (adjusted)**	**C9-C10 Aromatics**	**C9-C12 Aliphatics (adjusted)**	**1,1,1-Trichloroethane**	**1,1,2,2-Tetrachloroethane**	**1,1,2-Trichloroethane**	**1,1-Dichloroethane**	**1,1-Dichloroethene**	**1,2,3-Trimethylbenzene**	**1,2,4-Trichlorobenzene**	**1,2,4-Trimethylbenzene**	**1,2-Dibromoethane**	**1,2-Dichlorobenzene**	**1,2-Dichloroethane**	**1,2-Dichloropropane**	**1,2-Dichlorotetrafluoroethane (Freon 114)**	**1,3,5-Trimethylbenzene**	**1,3-Butadiene**	**1,3-Dichlorobenzene**	**1,4-Dichlorobenzene**	**1,4-Dioxane**	**2,2,4-Trimethylpentane**	**4-Ethyltoluene**	**4-Isopropyltoluene**	**Acetone**
Sub-slab and Exterior SGSL			**4200**	**21**	**700**	**35000**	**16**	**1.4**	**580**	**1400**	**NE**	**14**	**420**	**1.6**	**1400**	**36**	**28**	**N/A**	**420**	**14**	**N/A**	**85**	**190**	**NE**	**NE**	**NE**	**220000**
IASL (A), TCR=1.0E-06 THQ=0.2			**130**	**63**	**21**	**1000**	**0.05**	**0.04**	**1.80**	**42**	**NE**	**0.42**	**13**	**0.0047**	**42**	**0.11**	**0.76**	**N/A**	**13**	**0.09**	**N/A**	**0.26**	**0.56**	**NE**	**NE**	**NE**	**6500**
200-57564	SVP-04	03/09/2021	**19**	<10	<12	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	<9.3	<9.8	<11	<120
200-58012	SVP-04	04/08/2021	**160**	<100	<120	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	<9.3	<9.8	<11	<120
200-58344	SVP-04	05/04/2021	**230**	<100	**510**	<11	<14	<11	<8.1	<7.9	NA	<37	**2.7J**	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	<9.3	<9.8	<11	**77J**
200-58344	DUP-1*	05/04/2021	**33000**	<1400	<1600	<55	<69	<55	<40	<40	NA	<190	<49	<77	<60	<40	<46	<70	<49	<22	<60	<60	<900	**1100**	<49	<55	<590
200-58576	SVP-04_E	05/20/2021	**38**	<10	**12**	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	**2.2J**	<9.8	<11	<120
200-58576	DUP-1_E	05/20/2021	**17**	<10	<12	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	<9.3	<9.8	<11	<120
92540103	SVP-04-PA	05/20/2021	**220**	**19**	**350**	<0.55	<0.69	<0.55	<0.40	<0.40	<0.49	<0.74	<0.49	<0.77	<0.60	<0.40	<0.46	<0.70	<0.49	<0.22	<0.60	<0.60	<3.6	<1.3	<0.49	NA	**13**
92540106	DUP-1-PA	05/20/2021	**210**	<10	**240**	<0.55	<0.69	<0.55	<0.40	<0.40	<0.49	<0.74	<0.49	<0.77	<0.60	<0.40	<0.46	<0.70	<0.49	<0.22	<0.60	<0.60	<3.6	<1.3	<0.49	NA	**14**
92541930	SVP-04	06/02/2021	**480**	<10	**310**	<0.55	<0.69	<0.55	<0.40	<0.40	<1.8	<0.74	<0.49	<0.77	<0.60	<0.40	<0.46	<0.70	**0.35J**	<0.22	<0.60	<0.60	<3.6	<1.3	<0.49	NA	**17**
92545112	DUP-1	06/02/2021	**170**	<10	**220**	<0.55	<0.69	<0.55	<0.40	<0.40	<0.49	<0.74	<0.49	<0.77	<0.60	<0.40	<0.46	<0.70	<1.8	<0.22	<0.60	<0.60	<3.6	<1.3	<0.49	NA	**17**
92543128	SVP-04	06/08/2021	**59**	<10	**110**	<1.1	<1.4	<1.1	<0.81	<0.79	<1.8	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	<19
92545150	DUP-1	06/08/2021	**160**	**26**	**170**	<1.1	<1.4	<1.1	<0.81	<0.79	<1.8	<1.5	**3.30**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.75J**	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**25**
92549534	SVP-04	07/14/2021	**110**	<10	**300**	<0.55	<0.69	<0.55	<0.40	<0.40	<1.8	<0.74	<0.49	<0.77	<0.60	<0.40	<0.46	<0.70	<0.49	<0.22	<0.60	<0.60	<3.6	<1.3	<0.49	NA	<9.5
92549538	DUP-1	07/14/2021	**110**	<10	**210**	<0.55	<0.69	<0.55	<0.40	<0.40	<1.8	<0.74	<0.49	<0.77	<0.60	<0.40	<0.46	<0.70	<0.49	<0.22	<0.60	<0.60	<3.6	<1.3	<0.49	NA	<9.5
92552703	SVP-04	08/11/2021	**79**	<20	**110**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	<19
92554699	DUP-1	08/11/2021	**85**	<20	**100**	**1.10**	**1.40**	**1.20**	**1.0**	**0.98**	<3.7	**1.60**	**1.1**	**1.50**	**1.30**	**1.10**	<0.92	**2.30**	<0.98	**0.65**	**1.30**	**1.30**	<7.2	<2.5	<0.98	NA	<19
92557565	SVP-04	08/25/2021	**270**	<20	**320**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**0.69J**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.28J**	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**25**
92557585	DUP-1	08/25/2021	**160**	<20	**260**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**0.43J**	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**12J**
92558814	SVP-04	09/01/2021	**28**	<5	**26**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**0.83J**	**0.43J**	<1.2	**0.47J**	**0.44J**	**0.59J**	**0.39J**	<0.44	**0.31J**	<1.2	<7.2	<2.5	**0.41J**	NA	**21**
92558813	DUP-1	09/01/2021	**41**	<5	**27**	<1.1	<1.4	**0.46J**	**0.29J**	<0.79	<3.7	<1.5	**1.1**	<1.5	<1.2	**0.6J**	**0.48J**	**0.59J**	**0.47J**	<0.44	<1.2	<1.2	<7.2	<2.5	**0.49J**	NA	**14J**
92560656	SVP-04	09/10/2021	**560**	<20	**230**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**32**
92560652	DUP-1	09/10/2021	**590**	<20	**390**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	**0.33J**	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**24**
92561599	SVP-04	09/15/2021	**220**	<20	**170**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**0.98**	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	<19
92561605	DUP-1	09/15/2021	**220**	<20	**160**	**0.52J**	**0.74J**	**0.59J**	<0.81	<0.79	<3.7	<1.5	**1.1**	**0.68J**	**0.53J**	<0.81	<0.92	**0.70J**	**0.59J**	<0.44	**0.65J**	**0.58J**	<7.2	<2.5	<0.98	NA	<19
92562843	SVP-04	09/22/2021	**170**	<20	**140**	**0.65J**	**0.88J**	**0.74J**	**0.52J**	**0.59J**	<3.7	<1.5	**1.4**	**0.83J**	**0.67J**	**0.40J**	**0.70J**	**0.87J**	**0.77J**	**0.37J**	**0.72J**	**0.67J**	<7.2	<2.5	**0.75J**	NA	<19
92562861	DUP-1	09/22/2021	**160**	<20	**120**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**0.81J**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.33J**	<0.44	<1.2	<1.2	<7.2	<2.5	**0.31J**	NA	<19
92563968	SVP-04	09/29/2021	**120**	<20	**110**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**0.92J**	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	**0.31J**	NA	<19
92563967	DUP-1	09/29/2021	**85**	<20	**130**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**0.94J**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.28J**	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	<19

Table 9
Summary of Soil Vapor Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

			APH (µg/m^3)			VOCs (µg/m^3)																					
Lab Report Number	**Sample ID**	**Sample Date**	**C5-C8 Aliphatics (adjusted)**	**C9-C10 Aromatics**	**C9-C12 Aliphatics (adjusted)**	**1,1,1-Trichloroethane**	**1,1,2,2-Tetrachloroethane**	**1,1,2-Trichloroethane**	**1,1-Dichloroethane**	**1,1-Dichloroethene**	**1,2,3-Trimethylbenzene**	**1,2,4-Trichlorobenzene**	**1,2,4-Trimethylbenzene**	**1,2-Dibromoethane**	**1,2-Dichlorobenzene**	**1,2-Dichloroethane**	**1,2-Dichloropropane**	**1,2-Dichlorotetrafluoroethane (Freon 114)**	**1,3,5-Trimethylbenzene**	**1,3-Butadiene**	**1,3-Dichlorobenzene**	**1,4-Dichlorobenzene**	**1,4-Dioxane**	**2,2,4-Trimethylpentane**	**4-Ethyltoluene**	**4-Isopropyltoluene**	**Acetone**
Sub-slab and Exterior SGSL			**4200**	**21**	**700**	**35000**	**16**	**1.4**	**580**	**1400**	**NE**	**14**	**420**	**1.6**	**1400**	**36**	**28**	**N/A**	**420**	**14**	**N/A**	**85**	**190**	**NE**	**NE**	**NE**	**220000**
IASL (A), TCR=1.0E-06 THQ=0.2			**130**	**63**	**21**	**1000**	**0.05**	**0.04**	**1.80**	**42**	**NE**	**0.42**	**13**	**0.0047**	**42**	**0.11**	**0.76**	**N/A**	**13**	**0.09**	**N/A**	**0.26**	**0.56**	**NE**	**NE**	**NE**	**6500**
200-57564	SVP-05	03/09/2021	**200**	<100	<120	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	<9.3	<9.8	<11	<120
200-58012	SVP-05	04/08/2021	**170**	<100	<120	<11	<14	<11	<8.1	<7.9	NA	<37	**2.1J**	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	<9.3	<9.8	<11	<120
200-58345	SVP-05	05/04/2021	**320**	<100	<120	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	**5.7J**	<9.8	<11	<120
200-58577	SVP-05_E	05/20/2021	**22**	<10	<12	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	<9.3	<9.8	<11	<120
92540107	SVP-05-PA	05/20/2021	**170**	**15**	**250**	<0.55	<0.69	<0.55	<0.40	<0.40	<1.8	<0.74	<0.49	<0.77	<0.60	<0.40	<0.46	<0.70	<0.49	<0.22	<0.60	<0.60	<3.6	<1.3	<0.49	NA	**12**
92545110	SVP-05	06/02/2021	**110**	<10	**180**	<0.55	<0.69	<0.55	<0.40	<0.40	<0.49	<0.74	<0.49	<0.77	<0.60	<0.40	<0.46	<0.70	<0.49	<0.22	<0.60	<0.60	<3.6	<1.3	<0.49	NA	<9.5
92545146	SVP-05	06/08/2021	**120**	<10	**230**	<1.1	<1.4	<1.1	<0.81	<0.79	<1.8	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**14J**
92549536	SVP-05	07/14/2021	**220**	<10	**240**	<0.55	<0.69	<0.55	<0.40	<0.40	<1.8	<0.74	<0.49	<0.77	<0.60	<0.40	<0.46	<0.70	<0.49	<0.22	<0.60	<0.60	<3.6	<1.3	<0.49	NA	**13**
92554696	SVP-05	08/11/2021	**480**	<20	**220**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**23**
92557574	SVP-05	08/25/2021	**68000**	<200	**1000**	<11	<14	<11	<8.1	<7.9	<37	<15	**3.9J**	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<72	<25	<9.8	NA	<190
92558812	SVP-05	09/01/2021	**32**	<5	**28**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**0.41J**	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**12J**
92560663	SVP-05	09/10/2021	**850**	<20	**430**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	**0.46J**	<1.2	<0.81	<0.92	<1.4	**0.43J**	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**17J**
92561600	SVP-05	09/15/2021	**210**	<20	**230**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	**0.29J**	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**15J**
92562845	SVP-05	09/22/2021	**230**	<20	**190**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**1.6**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.33J**	<0.44	<1.2	<1.2	<7.2	<2.5	**0.43J**	NA	**24**
92563962	SVP-05	09/29/2021	**160**	<20	**150**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<3.0	**1.3**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.41J**	<0.44	<1.2	<1.2	<7.2	<2.5	**0.43J**	NA	**14J**
200-57627	SVP-06	03/12/2021	**1900**	<100	**460**	<11	<14	<11	<8.1	<7.9	NA	<37	**16**	<15	<12	<8.1	<9.2	<14	**11**	<4.4	<12	<12	<180	**76**	**6.4J**	**2.9J**	<120
200-58012	SVP-06	04/08/2021	**270**	<100	<120	<11	<14	<11	<8.1	<7.9	NA	<37	**7.4J**	<15	<12	<8.1	<9.2	<14	**2.5J**	<4.4	<12	<12	<180	<9.3	**2.5J**	<11	<120
200-58345	SVP-06	05/04/2021	**480**	<100	**210**	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	<9.3	<9.8	<11	<120
200-58577	SVP-06_E	05/20/2021	**34**	<10	**18**	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	<9.3	<9.8	<11	<120
92545110	SVP-06	06/02/2021	**370**	<10	**640**	<0.55	<0.69	<0.55	<0.40	<0.40	<0.49	<0.74	<0.49	<0.77	<0.60	<0.40	<0.49	<0.70	<0.49	<0.22	<0.60	<0.60	<3.6	<1.3	<0.49	NA	**12**
92545146	SVP-06	06/08/2021	**450**	**14**	**400**	<1.1	<1.4	<1.1	<0.81	<0.79	<1.8	<1.5	<0.98	<1.5	<1.2	<0.81	**5.50**	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	**1.7J**	<0.98	NA	<19
92549536	SVP-06	07/14/2021	**270**	<10	**410**	<0.55	<0.69	<0.55	<0.40	<0.40	<1.8	<0.74	<0.49	<0.77	<0.60	<0.40	<0.46	<0.70	<0.49	<0.22	<0.60	<0.60	<3.6	<1.3	<0.49	NA	**24**
92554696	SVP-06	08/11/2021	**310**	<20	**430**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	<19
92557574	SVP-06	08/25/2021	**480**	<20	**710**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**34**
92558812	SVP-06	09/01/2021	**160**	**9.60**	**89**	<1.1	<1.4	<1.1	**0.31J**	**0.33J**	**1.2J**	<1.5	**6.80**	**0.43J**	<1.2	**0.4J**	**0.37J**	**0.56J**	**3.20**	<0.44	**0.38J**	<1.2	<7.2	<2.5	**1.60**	NA	**26**
92560663	SVP-06	09/10/2021	**350**	<20	**360**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**25**
92561600	SVP-06	09/15/2021	**310**	<20	**410**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**16J**
92562845	SVP-06	09/22/2021	**370**	<20	**340**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**3.0**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.77J**	<0.44	<1.2	<1.2	<7.2	**1.1J**	**0.83J**	NA	**33**
92563962	SVP-06	09/29/2021	**200**	<20	**190**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**1.6**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.51J**	<0.44	<1.2	<1.2	<7.2	<2.5	**0.43J**	NA	**12J**

Table 9
Summary of Soil Vapor Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

			APH (µg/m^3)			VOCs (µg/m^3)																					
Lab Report Number	**Sample ID**	**Sample Date**	**C5-C8 Aliphatics (adjusted)**	**C9-C10 Aromatics**	**C9-C12 Aliphatics (adjusted)**	**1,1,1-Trichloroethane**	**1,1,2,2-Tetrachloroethane**	**1,1,2-Trichloroethane**	**1,1-Dichloroethane**	**1,1-Dichloroethene**	**1,2,3-Trimethylbenzene**	**1,2,4-Trichlorobenzene**	**1,2,4-Trimethylbenzene**	**1,2-Dibromoethane**	**1,2-Dichlorobenzene**	**1,2-Dichloroethane**	**1,2-Dichloropropane**	**1,2-Dichlorotetrafluoroethane (Freon 114)**	**1,3,5-Trimethylbenzene**	**1,3-Butadiene**	**1,3-Dichlorobenzene**	**1,4-Dichlorobenzene**	**1,4-Dioxane**	**2,2,4-Trimethylpentane**	**4-Ethyltoluene**	**4-Isopropyltoluene**	**Acetone**
Sub-slab and Exterior SGSL			**4200**	**21**	**700**	**35000**	**16**	**1.4**	**580**	**1400**	**NE**	**14**	**420**	**1.6**	**1400**	**36**	**28**	**N/A**	**420**	**14**	**N/A**	**85**	**190**	**NE**	**NE**	**NE**	**220000**
IASL (A), TCR=1.0E-06 THQ=0.2			**130**	**63**	**21**	**1000**	**0.05**	**0.04**	**1.80**	**42**	**NE**	**0.42**	**13**	**0.0047**	**42**	**0.11**	**0.76**	**N/A**	**13**	**0.09**	**N/A**	**0.26**	**0.56**	**NE**	**NE**	**NE**	**6500**
200-57564	SVP-07	03/09/2021	**18**	<10	<12	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	<9.3	<9.8	<11	<120
200-58012	SVP-07	04/08/2021	**200**	<100	<120	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	<9.3	<9.8	<11	<120
200-58345	SVP-07	05/04/2021	<120	<100	<120	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	<9.3	<9.8	<11	<120
200-58577	SVP-07_E	05/20/2021	**26**	<10	<12	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	<9.3	<9.8	<11	<120
92545110	SVP-07	06/02/2021	**130**	<10	**350**	<0.55	<0.69	<0.55	<0.40	<0.40	<1.8	<0.74	<0.49	<0.77	<0.60	<0.40	<0.49	<0.70	<0.49	<0.22	<0.60	<0.60	<3.6	<1.3	<0.49	NA	<9.5
92545146	SVP-07	06/08/2021	**1500**	**350**	**380**	<1.1	<1.4	<1.1	<0.81	<0.79	<1.8	<1.5	**71**	<1.5	<1.2	<0.81	<0.92	<1.4	**27**	<0.44	<1.2	<1.2	<7.2	**29**	<0.98	NA	**29**
92549536	SVP-07	07/14/2021	**200**	**38**	**220**	<0.55	<0.69	<0.55	<0.40	<0.40	<1.8	<0.74	**6.20**	<0.77	<0.60	<0.40	<0.46	<0.70	**2.10**	<0.22	<0.60	<0.60	<3.6	<1.3	**1.30**	NA	**42**
92554696	SVP-07	08/11/2021	**100**	<20	**110**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	<19
92557574	SVP-07	08/25/2021	**2000**	<20	**420**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	<19
92558812	SVP-07	09/01/2021	**44**	<5	**25**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**0.41J**	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**32**
92560663	SVP-07	09/10/2021	**170**	<20	**190**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**0.87J**	**0.43J**	<1.2	<0.81	<0.92	<1.4	**0.45J**	<0.44	<1.2	<1.2	<7.2	<2.5	**0.47J**	NA	**15J**
92561600	SVP-07	09/15/2021	**690**	<20	**380**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	**0.33J**	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**17J**
92562845	SVP-07	09/22/2021	**200**	<20	**220**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**1.6**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.37J**	<0.44	<1.2	<1.2	<7.2	<2.5	**0.55J**	NA	**14J**
92563962	SVP-07	09/29/2021	**160**	<20	**140**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**1.2**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.31J**	<0.44	<1.2	<1.2	<7.2	<2.5	**0.39J**	NA	**15J**
200-57564	SVP-08	03/09/2021	**140**	<10	<12	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	**19**	<9.8	<11	**47J**
200-58012	SVP-08	04/08/2021	**1100**	<100	**160**	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	**2.5J**	<9.8	<11	<120
200-58345	SVP-08	05/04/2021	**390**	<100	**360**	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	<9.3	<9.8	<11	<120
200-58577	SVP-08_E	05/20/2021	**86**	<10	<12	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	**2.9J**	<9.8	<11	<120
92545110	SVP-08	06/02/2021	**770**	<10	**550**	<0.55	<0.69	<0.55	<0.40	**2.30**	<1.8	<0.74	<0.49	<0.77	<0.60	<0.40	<0.46	<0.70	<0.49	<0.22	<0.60	<0.60	<3.6	<1.3	<0.49	NA	**26**
92545146	SVP-08	06/08/2021	**690**	**15**	**290**	<1.1	<1.4	<1.1	<0.81	<0.79	<1.8	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	**5.0**	<0.98	NA	<19
92549536	SVP-08	07/14/2021	**200**	<10	**230**	<0.55	<0.69	<0.55	<0.40	**0.75**	<1.8	<0.74	<0.49	<0.77	<0.60	<0.40	<0.46	<0.70	<0.49	<0.22	<0.60	<0.60	<3.6	<1.3	<0.49	NA	**10**
92554696	SVP-08	08/11/2021	**310**	<20	**190**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**35**
92557574	SVP-08	08/25/2021	**660**	<20	**510**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**44**
92558812	SVP-08	09/01/2021	**52**	<5	**49**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**0.47J**	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**20**
92560663	SVP-08	09/10/2021	**200**	<20	**340**	**0.76J**	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	**0.49J**	<1.2	<0.81	<0.92	<1.4	**0.49J**	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	<19
92561600	SVP-08	09/15/2021	**230**	<20	**290**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	**0.41J**	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**27**
92562845	SVP-08	09/22/2021	**270**	<20	**240**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**2.3**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.59J**	<0.44	<1.2	<1.2	<7.2	<2.5	**0.67J**	NA	**28**
92563962	SVP-08	09/29/2021	**130**	<20	**150**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**1.4**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.41J**	<0.44	<1.2	<1.2	<7.2	<2.5	**0.47J**	NA	<19
200-57564	SVP-09	03/09/2021	**71**	<10	<12	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	**11**	<9.8	<11	**63J**
200-58012	SVP-09	04/08/2021	**480**	<100	**270**	<11	<14	<11	<8.1	<7.9	NA	<37	**8.0J**	<15	<12	<8.1	<9.2	<14	**2.3J**	<4.4	<12	<12	<180	<9.3	**2.0J**	<11	**53J**
200-58345	SVP-09	05/04/2021	<120	<100	<120	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	<9.3	<9.8	<11	<120
200-58577	SVP-09_E	05/20/2021	**39**	<10	<12	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	<9.3	<9.8	<11	<120
92545110	SVP-09	06/02/2021	**2900**	<10	**460**	<0.55	<0.69	<0.55	<0.40	<0.40	<1.8	<0.74	<0.49	<0.77	<0.60	<0.40	<0.46	<0.70	<0.49	<0.22	<0.60	<0.60	<3.6	<1.3	<0.49	NA	**12**
92545146	SVP-09	06/08/2021	**290**	**15**	**370**	<1.1	<1.4	<1.1	<0.81	<0.79	**0.32J**	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**38**
92549536	SVP-09	07/14/2021	**330**	<10	**300**	<0.55	<0.69	<0.55	<0.40	<0.40	<1.8	<0.74	<0.49	<0.77	<0.60	<0.40	<0.46	<0.70	<0.49	<0.22	<0.60	<0.60	<3.6	<1.3	<0.49	NA	**26**
92554696	SVP-09	08/11/2021	**350**	<20	**250**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**1.0**	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**43**
92557574	SVP-09	08/25/2021	**170**	<20	**310**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**0.49**	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**14J**
92558812	SVP-09	09/01/2021	**64**	**50**	<10	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**1.0**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.33J**	<0.44	<1.2	<1.2	<7.2	<2.5	**0.31J**	NA	**25**
92560663	SVP-09	09/10/2021	**360**	<20	**240**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	**0.61J**	**0.58J**	<0.81	<0.92	<1.4	**0.57J**	<0.44	**0.53J**	**0.55J**	<7.2	<2.5	**0.53J**	NA	**21**
92561600	SVP-09	09/15/2021	**160**	<20	**190**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**1.7**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.55J**	<0.44	<1.2	<1.2	<7.2	<2.5	**0.59J**	NA	<19
92562845	SVP-09	09/22/2021	**200**	<20	**170**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**1.3**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.29J**	<0.44	<1.2	<1.2	<7.2	<2.5	**0.37J**	NA	**12J**
92563962	SVP-09	09/29/2021	**130**	<20	**150**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**1.4**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.43J**	<0.44	<1.2	<1.2	<7.2	<2.5	**0.53J**	NA	<19

Table 9
Summary of Soil Vapor Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

			APH (µg/m^3)			VOCs (µg/m^3)																				
Lab Report Number	**Sample ID**	**Sample Date**	**C5-C8 Aliphatics (adjusted)**	**C9-C10 Aromatics**	**C9-C12 Aliphatics (adjusted)**	**1,1,1-Trichloroethane**	**1,1,2,2-Tetrachloroethane**	**1,1,2-Trichloroethane**	**1,1-Dichloroethane**	**1,1-Dichloroethene**	**1,2,3-Trimethylbenzene**	**1,2,4-Trichlorobenzene**	**1,2,4-Trimethylbenzene**	**1,2-Dibromoethane**	**1,2-Dichlorobenzene**	**1,2-Dichloroethane**	**1,2-Dichloropropane**	**1,2-Dichlorotetrafluoroethane (Freon 114)**	**1,3,5-Trimethylbenzene**	**1,3-Butadiene**	**1,3-Dichlorobenzene**	**1,4-Dichlorobenzene**	**1,4-Dioxane**	**2,2,4-Trimethylpentane**	**4-Ethyltoluene**	**4-Isopropyltoluene**	**Acetone**
Sub-slab and Exterior SGSL			**4200**	**21**	**700**	**35000**	**16**	**1.4**	**580**	**1400**	**NE**	**14**	**420**	**1.6**	**1400**	**36**	**28**	**N/A**	**420**	**14**	**N/A**	**85**	**190**	**NE**	**NE**	**NE**	**220000**
IASL (A), TCR=1.0E-06 THQ=0.2			**130**	**63**	**21**	**1000**	**0.05**	**0.04**	**1.80**	**42**	**NE**	**0.42**	**13**	**0.0047**	**42**	**0.11**	**0.76**	**N/A**	**13**	**0.09**	**N/A**	**0.26**	**0.56**	**NE**	**NE**	**NE**	**6500**
200-57564	SVP-10	03/09/2021	**150**	<10	<12	<44	<55	<44	<32	<32	NA	<150	<39	<61	<48	<32	<37	<56	<39	<18	<48	<48	<720	**29J**	<39	<44	<480
200-58012	SVP-10	04/08/2021	**1500000**	<140,000	<170,000	<7,900	<10,000	<7,900	<5,900	<5,800	NA	<27,000	<7,200	<11,000	<8,700	<5,900	<6700	<10000	<7200	<3200	<8700	<8700	<130000	**60000**	<7200	<8000	<86000
200-58348	SVP-10	05/04/2021	**1400000**	<210000	<250000	<7600	<9600	<7600	<5700	<5600	NA	<26000	<6900	<11000	<8400	<5700	<6500	<9800	<6900	<3100	<8400	<8400	<130000	**66000**	<6900	<7700	<83000
200-58578	SVP-10_E	05/20/2021	**57000**	<1600	<1900	<270	<340	<270	<200	<190	NA	<910	<240	<370	<290	<200	<230	<340	<240	<110	<290	<290	<4400	**920**	<240	<270	<2,900
92545111	SVP-10	06/02/2021	**7700000**	<15000	**94000**	<820	<1,000	<820	<610	<590	<2,800	<1,100	<740	<1,200	<900	<610	<690	<1,000	<740	<330	<900	<900	<5,400	**19000**	<740	NA	<14,000
92545148	SVP-10	06/08/2021	**2500000**	<15000	**40000**	<1.1	<1.4	<1.1	<0.81	<0.79	<2800	<1.5	**2.40**	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	**25000**	<0.98	NA	<19
92549530	SVP-10	07/14/2021	**740000**	<200	**1100**	<11	<14	<11	<8.1	<7.9	<37	<15	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<72	<25	<9.8	NA	<190
92554702	SVP-10	08/11/2021	**370**	<20	**130**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**30**
92557570	SVP-10	08/25/2021	**450**	<20	**210**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**2.50**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.69J**	<0.44	<1.2	<1.2	<7.2	**3.60**	**0.85J**	NA	<19
92558811	SVP-10	09/01/2021	**16**	<5	**23**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**0.29J**	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**15J**
92560665	SVP-10	09/10/2021	**780**	<20	**410**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	**0.43J**	<1.2	<0.81	<0.92	<1.4	**0.45J**	<0.44	**0.34J**	<1.2	<7.2	<2.5	**0.43J**	NA	**20**
92561604	SVP-10	09/15/2021	**640**	<20	**200**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	**0.61J**	<0.44	<1.2	<1.2	<7.2	**37**	**0.41J**	NA	<19
92562848	SVP-10	09/22/2021	**190**	<20	**150**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**1.7**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.41J**	<0.44	<1.2	<1.2	<7.2	**1.4J**	**0.53J**	NA	**19**
92563966	SVP-10	09/29/2021	**2700**	<20	**150**	<1.1	<1.4	<1.1	<0.81	<0.79	**0.79J**	<1.5	**3.2**	<1.5	<1.2	<0.81	<0.92	<1.4	**1.2**	<0.44	<1.2	<1.2	<7.2	**46**	**0.71J**	NA	<19
200-57564	SVP-11	03/09/2021	**58**	<10	<12	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	**25**	<9.8	<11	**74J**
200-58012	SVP-11	04/08/2021	**9400**	<100	<120	<22	<27	<22	<16	<16	NA	<74	<20	<31	<24	<16	<18	<28	<20	<8.8	<24	<24	<360	**120**	<20	<22	<240
200-58348	SVP-11	05/04/2021	**37000**	<1300	<1500	<23	<69	<55	<40	<40	NA	<190	<49	<77	<60	<40	<46	<70	<49	<22	<60	<60	<900	**1300**	<49	<55	<590
200-58578	SVP-11_E	05/20/2021	**35**	<10	<12	<24	<14	<11	<8.1	<7.9	NA	<37	**8.3J**	<15	<12	<8.1	<9.2	<14	**5.2J**	**2.4J**	<12	<12	<180	**48**	<9.8	**5.4J**	**260**
92545111	SVP-11	06/02/2021	**340**	<10	**340**	<0.55	<0.69	<0.55	<0.40	<0.40	<1.8	<0.74	<0.49	<0.77	<0.60	<0.40	<0.46	<0.70	<0.49	<0.22	<0.60	<0.60	<3.6	**1.2J**	<0.49	NA	<9.5
92545148	SVP-11	06/08/2021	**850**	<10	**190**	<1.1	<1.4	<1.1	<0.81	<0.79	**0.31J**	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	**4.90**	<0.98	NA	<19
92549530	SVP-11	07/17/2021	**200**	<10	**220**	<0.55	<0.69	<0.55	<0.40	<0.40	<1.8	<0.74	<0.49	<0.77	<0.60	<0.40	<0.46	<0.70	<0.49	<0.22	<0.60	<0.60	<3.6	<1.3	<0.49	NA	**20**
92554702	SVP-11	08/11/2021	**450**	<20	**220**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**32**
92557570	SVP-11	08/25/2021	**240**	<20	**280**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**2.0**	**0.43J**	<1.2	<0.81	<0.92	**0.64J**	**0.87J**	<0.44	**0.43J**	**0.51J**	<7.2	**2.2J**	**0.94J**	NA	**16J**
92558811	SVP-11	09/01/2021	**31.00**	<5	**17**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**0.33J**	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**15J**
92560665	SVP-11	09/10/2021	**190**	<20	**240**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	**0.68J**	<1.2	<0.81	<0.92	<1.4	**0.61J**	<0.44	<1.2	<1.2	<7.2	<2.5	**0.61J**	NA	**19J**
92561604	SVP-11	09/15/2021	**200**	<20	**170**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	**0.29J**	<0.44	<1.2	<1.2	<7.2	<2.5	**0.33J**	NA	**14J**
92562848	SVP-11	09/22/2021	**120**	<20	**170**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**1.6**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.45J**	<0.44	<1.2	<1.2	<7.2	<2.5	**0.45**	NA	**14J**
92563966	SVP-11	09/29/2021	**120**	<20	**140**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**1.3**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.31J**	<0.44	<1.2	<1.2	<7.2	<2.5	**0.41J**	NA	**13J**
200-57564	SVP-12	03/09/2021	**450**	<10	**60**	<33	<41	<33	<24	<24	NA	<110	<29	<46	<36	<24	<28	<42	<29	<13	<36	<36	<540	**370**	<29	<33	<360
200-57564	DUP-1	03/09/2021	**1400**	<10	<12	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	**410**	<9.8	<11	<120
200-58012	SVP-12	04/08/2021	**2800000**	<98000	<120000	<6800	<8600	<6800	<5100	<5000	NA	<23000	<6200	<9600	<7500	<5100	<5800	<8800	<6200	<2800	<7500	<7500	<110000	**310000**	<6200	<6900	<74000
200-58348	SVP-12	05/04/2021	**3400000**	<170000	<200000	<7000	<8800	<7000	<5200	<5100	NA	<24000	<6300	<9800	<7700	<5200	<5900	<8900	<6300	<2800	<7700	<7700	<120000	**260000**	<6300	<7000	<76000
200-58578	SVP-12_E	05/20/2021	**57**	<10	<12	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	**74**	<9.8	<11	<120
92545111	SVP-12	06/02/2021	**490**	<10	**410**	<0.55	<0.69	<0.55	<0.40	<0.40	<1.8	<0.74	<0.49	<0.77	<0.60	<0.40	<0.46	<0.70	<0.49	<0.22	<0.60	<0.60	<3.6	**12**	<0.49	NA	**18.00**
92545148	SVP-12	06/08/2021	**300**	<10	**220**	<1.1	<1.4	<1.1	<0.81	<0.79	<1.8	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	**4.90**	<0.98	NA	**32.00**
92549530	SVP-12	07/14/2021	**120**	<10	**130**	<0.55	<0.69	<0.55	<0.40	<0.40	<1.8	<0.74	<0.49	<0.77	<0.60	<0.40	<0.46	<0.70	<0.49	<0.22	<0.60	<0.60	<3.6	<1.3	<0.49	NA	**14**
92554702	SVP-12	08/11/2021	**420**	<20	**190**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**23**
92557570	SVP-12	08/25/2021	**2700000**	<3,000	**14000**	<160	<210	<160	<120	<120	<550	**210J**	<150	<230	<180	<120	<140	<210	<150	<66	<180	<180	<1,100	**110000**	<150	NA	<2,900
92558811	SVP-12	09/01/2021	**600**	**19**	**550**	<11	<14	<11	<8.1	<7.9	<37	<15	**5.9J**	<15	<12	**14**	<9.2	<14	**62**	<4.4	<12	<12	<72	**5200**	**67**	NA	<190
92560665	SVP-12	09/10/2021	**77000**	**35000**	**30000**	<11	<14	<11	<8.1	<7.9	**97**	<15	**6800**	<15	<12	<8.1	<9.2	<14	**5300**	<4.4	<12	<12	<72	**3500**	**2600**	NA	<190
92561604	SVP-12	09/15/2021	**5200**	**14000**	**10000**	<11	<14	<11	<8.1	<7.9	<37	<15	**2200**	<15	<12	<8.1	<9.2	<14	**2900**	<4.4	<12	<12	<72	**260**	**610**	NA	<190
92562848	SVP-12	09/22/2021	**650**	**5700**	**240**	<1.1	<1.4	<1.1	<0.81	<0.79	**33**	<3.0	**600**	<1.5	<1.2	<0.81	<0.92	<1.4	**1900**	<0.44	<1.2	<1.2	<7.2	**16**	**100**	NA	**17J**
92563966	SVP-12	09/29/2021	**160**	**530**	**43**	<1.1	<1.4	<1.1	<0.81	<0.79	**2.8J**	<3.0	**40**	<1.5	<1.2	<0.81	<0.92	<1.4	**230**	<0.44	<1.2	<1.2	<7.2	**3.7**	**10**	NA	**15J**

Table 9
Summary of Soil Vapor Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

			APH (µg/m^3)			VOCs (µg/m^3)																					
Lab Report Number	**Sample ID**	**Sample Date**	**C5-C8 Aliphatics (adjusted)**	**C9-C10 Aromatics**	**C9-C12 Aliphatics (adjusted)**	**1,1,1-Trichloroethane**	**1,1,2,2-Tetrachloroethane**	**1,1,2-Trichloroethane**	**1,1-Dichloroethane**	**1,1-Dichloroethene**	**1,2,3-Trimethylbenzene**	**1,2,4-Trichlorobenzene**	**1,2,4-Trimethylbenzene**	**1,2-Dibromoethane**	**1,2-Dichlorobenzene**	**1,2-Dichloroethane**	**1,2-Dichloropropane**	**1,2-Dichlorotetrafluoroethane (Freon 114)**	**1,3,5-Trimethylbenzene**	**1,3-Butadiene**	**1,3-Dichlorobenzene**	**1,4-Dichlorobenzene**	**1,4-Dioxane**	**2,2,4-Trimethylpentane**	**4-Ethyltoluene**	**4-Isopropyltoluene**	**Acetone**
Sub-slab and Exterior SGSL			**4200**	**21**	**700**	**35000**	**16**	**1.4**	**580**	**1400**	**NE**	**14**	**420**	**1.6**	**1400**	**36**	**28**	**N/A**	**420**	**14**	**N/A**	**85**	**190**	**NE**	**NE**	**NE**	**220000**
IASL (A), TCR=1.0E-06 THQ=0.2			**130**	**63**	**21**	**1000**	**0.05**	**0.04**	**1.80**	**42**	**NE**	**0.42**	**13**	**0.0047**	**42**	**0.11**	**0.76**	**N/A**	**13**	**0.09**	**N/A**	**0.26**	**0.56**	**NE**	**NE**	**NE**	**6500**
200-57564	SVP-13	03/09/2021	**270**	<10	<12	<44	<55	<44	<33	<32	NA	<150	<40	<62	<48	<33	<37	<56	<40	<18	<48	<48	<720	**2000**	<40	<44	<480
200-58012	SVP-13	04/08/2021	**100000**	<7,500	<9,000	<330	<410	<330	<240	<240	NA	<1,100	<300	<460	<360	<240	<280	<420	<300	<130	<360	<360	<5,400	**11000**	<300	<330	<3,600
200-58345	SVP-13	05/04/2021	**120000**	<330	**750**	<330	<410	<330	<240	<240	NA	<1,100	<290	<460	<360	<240	<280	<420	<290	<130	<360	<360	<5,400	**4500**	<290	<330	<3,600
200-58577	SVP-13_E	05/20/2021	**50**	<10	<12	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	**10**	<9.8	<11	<120
92545110	SVP-13	06/02/2021	**330**	<10	**240**	<0.55	<0.69	<0.55	<0.40	<0.40	<1.8	<0.74	<0.49	<0.77	<0.60	<0.40	<0.46	<0.70	<0.49	<0.22	<0.60	<0.60	<3.6	**0.49J**	<0.49	NA	**8.1J**
92545146	SVP-13	06/08/2021	**220**	<10	**140**	<1.1	<1.4	<1.1	<0.81	<0.79	<1.8	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	<19
92549536	SVP-13	07/14/2021	**260**	<10	**280**	<0.55	<0.69	<0.55	<0.40	<0.40	<1.8	<0.74	<0.49	<0.77	<0.60	<0.40	<0.46	<0.70	<0.49	<0.22	<0.60	<0.60	<3.6	<1.3	<0.49	NA	**21**
92554696	SVP-13	08/11/2021	**170**	<20	**110**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	<19
92557574	SVP-13	08/25/2021	**380**	<20	**370**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**22**
92558812	SVP-13	09/01/2021	**52**	<5	**18**	**0.59J**	**0.58J**	**0.5J**	**0.45J**	**0.52J**	<3.7	<1.5	**0.79J**	**0.77J**	**0.63J**	**0.55J**	**0.41J**	**0.95J**	**0.51J**	<0.44	**0.58J**	**0.67J**	**0.49J**	<2.5	**0.47J**	NA	**14J**
92560663	SVP-13	09/10/2021	**480**	<20	**350**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	**0.83J**	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**24**
92561600	SVP-13	09/15/2021	**430**	<20	**270**	**0.59J**	<1.4	**0.65J**	<0.81	<0.79	**0.98J**	<1.5	<0.98	**0.80J**	**0.63J**	<0.81	<0.92	**0.70J**	**1.6**	<0.44	**0.79J**	**0.75J**	<7.2	<2.5	**0.75J**	NA	**22**
92562845	SVP-13	09/22/2021	**130**	<20	**190**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**1.9**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.41J**	<0.44	<1.2	<1.2	<7.2	<2.5	**0.51J**	NA	<19
92563962	SVP-13	09/29/2021	**120**	<20	**120**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**0.88J**	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	**0.35J**	NA	**17J**
200-58578	SVP-14_E	05/20/2021	**75**	<10	**43**	<11	<14	<11	<8.1	<7.9	NA	<37	<9.8	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	**6.3J**	<9.8	<11	<120
92545111	SVP-14	06/02/2021	**680**	**17**	**750**	<0.55	<0.69	<0.55	<0.40	<0.40	**0.47J**	<0.74	<0.49	<0.77	<0.60	<0.40	<0.46	<0.70	<0.49	<0.22	<0.60	<0.60	<3.6	<1.3	<0.49	NA	<9.5
92545148	SVP-14	06/08/2021	**810**	<10	**210**	<1.1	<1.4	<1.1	<0.81	<0.79	<1.8	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	<19
92549530	SVP-14	07/14/2021	**3500**	<10	**190**	<0.55	<0.69	<0.55	<0.40	<0.40	<1.8	<0.74	<0.49	<0.77	<0.60	<0.40	<0.46	<0.70	<0.49	<0.22	<0.60	<0.60	<3.6	<1.3	<0.49	NA	<9.5
92554702	SVP-14	08/11/2021	**290**	<20	**300**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**40**
92557570	SVP-14	08/25/2021	**160**	<20	**230**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**0.39J**	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**15J**
92558811	SVP-14	09/01/2021	**21**	<5	**32**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**0.87J**	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**15J**
92560665	SVP-14	09/10/2021	**370**	<20	**260**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	**0.51J**	<0.44	<1.2	<1.2	<7.2	<2.5	**0.51J**	NA	<19
92561604	SVP-14	09/15/2021	**180**	<20	**150**	<1.1	<1.4	<1.1	<0.81	<0.79	**0.71J**	<1.5	**0.77J**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.87J**	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	<19
92562848	SVP-14	09/22/2021	**160**	**26**	**160**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**1.3J**	<1.5	<1.2	<0.81	<0.92	<1.4	**2.0J**	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**14J**
92563966	SVP-14	09/29/2021	**120**	<20	**130**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**1.4**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.35J**	<0.44	<1.2	<1.2	<7.2	<2.5	**0.39J**	NA	**12J**

Table 9
Summary of Soil Vapor Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

			APH (µg/m^3)			VOCs (µg/m^3)																					
Lab Report Number	**Sample ID**	**Sample Date**	**C5-C8 Aliphatics (adjusted)**	**C9-C10 Aromatics**	**C9-C12 Aliphatics (adjusted)**	**1,1,1-Trichloroethane**	**1,1,2,2-Tetrachloroethane**	**1,1,2-Trichloroethane**	**1,1-Dichloroethane**	**1,1-Dichloroethene**	**1,2,3-Trimethylbenzene**	**1,2,4-Trichlorobenzene**	**1,2,4-Trimethylbenzene**	**1,2-Dibromoethane**	**1,2-Dichlorobenzene**	**1,2-Dichloroethane**	**1,2-Dichloropropane**	**1,2-Dichlorotetrafluoroethane (Freon 114)**	**1,3,5-Trimethylbenzene**	**1,3-Butadiene**	**1,3-Dichlorobenzene**	**1,4-Dichlorobenzene**	**1,4-Dioxane**	**2,2,4-Trimethylpentane**	**4-Ethyltoluene**	**4-Isopropyltoluene**	**Acetone**
Sub-slab and Exterior SGSL			**4200**	**21**	**700**	**35000**	**16**	**1.4**	**580**	**1400**	**NE**	**14**	**420**	**1.6**	**1400**	**36**	**28**	**N/A**	**420**	**14**	**N/A**	**85**	**190**	**NE**	**NE**	**NE**	**220000**
IASL (A), TCR=1.0E-06 THQ=0.2			**130**	**63**	**21**	**1000**	**0.05**	**0.04**	**1.80**	**42**	**NE**	**0.42**	**13**	**0.0047**	**42**	**0.11**	**0.76**	**N/A**	**13**	**0.09**	**N/A**	**0.26**	**0.56**	**NE**	**NE**	**NE**	**6500**
200-58578	SVP-15_E	05/20/2021	**54**	<10	**18**	<11	<14	<11	<8.1	<7.9	NA	<37	**2.7J**	<15	<12	<8.1	<9.2	<14	<9.8	<4.4	<12	<12	<180	**8.9J**	<9.8	<11	<120
92545111	SVP-15	06/02/2021	**760**	**16**	**1,000**	<0.55	<0.69	<0.55	<0.49	<0.40	<1.8	<0.74	<0.49	<0.77	<0.60	<0.40	<0.46	<0.70	<0.49	<0.22	<0.60	<0.60	<3.6	**7.1**	<0.49	<9.8	<9.5
92545148	SVP-15	06/08/2021	**2000**	**86**	**770**	<1.1	<1.4	<1.1	<0.81	<0.79	**2.8**	<1.5	**17**	<1.5	<1.2	<0.81	**3.5**	<1.4	**5.1**	<0.44	<1.2	<1.2	<7.2	**20**	<0.98	NA	<19
92549530	SVP-15	07/14/2021	**410**	<10	**540**	<0.55	<0.69	<0.55	<0.40	<0.40	<1.8	<0.74	<0.49	<0.77	<0.60	<0.40	<0.46	<0.70	<0.49	<0.22	<0.60	<0.60	<3.6	**5.0**	<0.49	NA	**18**
92554702	SVP-15	08/11/2021	**580**	<20	**350**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**55**
92557570	SVP-15	08/25/2021	**340**	<20	**540**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**0.94J**	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	**4.7**	<0.98	NA	<19
92558811	SVP-15	09/01/2021	**35**	<5	**56**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**0.55J**	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**13J**
92560665	SVP-15	09/10/2021	**540**	<20	**450**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	**0.55J**	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**36**
92561604	SVP-15	09/15/2021	**230**	<20	**250**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	<0.98	<1.5	<1.2	<0.81	<0.92	<1.4	**0.33J**	<0.44	<1.2	<1.2	<7.2	<2.5	**0.47J**	NA	**20**
92562848	SVP-15	09/22/2021	**220**	**31**	**290**	<1.1	<1.4	<1.1	<0.81	<0.79	**0.85J**	<1.5	**3.9**	<1.5	<1.2	<0.81	<0.92	<1.4	**1.5**	<0.44	<1.2	<1.2	<7.2	<2.5	**0.44J**	NA	**13J**
92563966	SVP-15	09/29/2021	**520**	**81**	**310**	<1.1	<1.4	<1.1	<0.81	<0.79	**2.1J**	<1.5	**12**	<1.5	<1.2	<0.81	<0.92	<1.4	**3.7**	<0.44	<1.2	<1.2	<7.2	**21**	**3.6**	NA	**41**
92562853	SVP-16	09/22/2021	**280**	**25**	**290**	<1.1	<1.4	<1.1	<0.81	<0.79	**0.67J**	<1.5	**3.3**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.81J**	<0.44	**0.38J**	<1.2	<7.2	**1.2J**	**1.0**	NA	**24**
92562854	SVP-17	09/22/2021	**190**	**59**	**13000**	<1.1	<1.4	<1.1	<0.81	<0.79	**0.65J**	<1.5	**1.5**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.55J**	<0.44	<1.2	<1.2	<7.2	<2.5	<0.98	NA	**16J**
92562850	SVP-18	09/22/2021	**170**	<20	**240**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**1.8**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.43J**	<0.44	<1.2	<1.2	<7.2	<2.5	**0.57J**	NA	<19
92562852	SVP-19	09/22/2021	**240**	<20	**230**	<1.1	<1.4	<1.1	<0.81	<0.79	**1.2J**	<1.5	**2.7**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.51J**	<0.44	<1.2	<1.2	<7.2	<2.5	**0.63J**	NA	<19
92562858	SVP-20	09/22/2021	**180**	<20	**130**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**1.3**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.43J**	<0.44	<1.2	<1.2	<7.2	<2.5	**0.53J**	NA	**12J**
92562859	SVP-21	09/22/2021	**320**	<20	**180**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**1.1**	<1.5	<1.2	<0.81	<0.92	<1.4	<0.98	<0.44	<1.2	<1.2	<7.2	<2.5	**0.33J**	NA	**19**
92562862	DUP-2	09/22/2021	**720**	<20	**310**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	<1.5	**1.5**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.49J**	<0.44	**0.34J**	<1.2	<7.2	**0.82J**	**0.57J**	NA	**48**
92567100	SVP-22	10/15/2021	**250**	<20	**230**	<1.1	<1.4	<1.1	<0.81	<0.79	<3.7	**2.3**	**2.5**	<1.5	<1.2	<0.81	<0.92	<1.4	**0.67J**	<0.44	**0.34J**	<1.2	<7.2	<2.5	**0.67J**	NA	**17J**
92563971	AMBIENT	09/29/2021	**220**	<20	**110**	<0.55	<0.69	<0.55	<0.40	<0.40	<3.7	<1.5	**1.2**	<0.77	<0.60	<0.40	**0.54**	<0.70	**0.35J**	<0.22	<0.60	<0.60	<3.6	**2.8**	**0.27J**	NA	**31**

Table 9
Summary of Soil Vapor Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

			VOCs (µg/m^3)																											
Lab Report Number	**Sample ID**	**Sample Date**	**Acrolein**	**Benzene**	**Benzyl chloride**	**Bromodichloromethane**	**Bromoform**	**Bromomethane**	**Carbon disulfide**	**Carbon tetrachloride**	**Chlorobenzene**	**Chloroethane**	**Chloroform**	**Chloromethane**	**cis-1,2-Dichloroethene**	**cis-1,3-Dichloropropene**	**Isopropylbenzene (Cumene)**	**Cyclohexane**	**Dibromochloromethane**	**Dichlorodifluoromethane (Freon 12)**	**Ethyl Acetate**	**Ethylbenzene**	**Chlorodifluoromethane (Freon 22)**	**1,1,2-Trichloro-1,2,2-trifluoroethane (Freon TF, Freon 113)**	**Hexachlorobutadiene**	**Isopropyl alcohol (Isopropanol)**	**Methyl Butyl Ketone (2-Hexanone)**	**Methyl Ethyl Ketone (2-Butanone)**	**Methyl isobutyl ketone (MIBK)**	**Methyl methacrylate**	**Methyl tert-butyl ether (MTBE)**
Sub-slab and Exterior SGSL			**NE**	**120**	**7**	**25**	**850**	**35**	**4900**	**160**	**350**	**70000**	**41**	**630**	**NE**	**N/A**	**2800**	**42000**	**NE**	**700**	**NE**	**370**	**350000**	**35000**	**43**	**1400**	**210**	**35000**	**21000**	**4900**	**3600**
IASL (A), TCR=1.0E-06 THQ=0.2			**0.0042**	**0.36**	**0.06**	**0.08**	**2.60**	**1.0**	**150**	**0.47**	**10**	**2100**	**0.12**	**19.00**	**NE**	**N/A**	**83.00**	**1300**	**NE**	**21**	**15**	**1.10**	**10000**	**1000**	**0.13**	**42**	**6.30**	**1000**	**630**	**150**	**11**
92512003	SV-1	12/15/2020	NA	**1.20**	NA	<2.6	NA	NA	NA	NA	NA	NA	**2.20**	NA	NA	NA	NA	NA	<8.4	NA	NA	<1.7	NA	NA	NA	NA	NA	NA	NA	NA	<7.1
200-56803	SV-1_E	01/07/2021	NA	<6.4	<10	<13	<21	<7.8	**2.6J**	<13	<9.2	<13	<9.8	<10	<7.9	<9.1	<9.8	<6.9	<17	<25	NA	<8.7	<18	<15	<21	<120	<20	<15	<20	<20	<7.2
92515439	SV-1-PA	01/07/2021	<2.0	**0.58**	<4.4	<2.3	<8.8	<1.3	**1.80**	<2.2	<1.6	<0.90	<0.83	<0.71	<1.4	<1.6	<4.2	**3.30**	<2.9	**2.30**	NA	<1.5	<6.1	<5.9	<9.1	NA	NA	<5.0	NA	<1.4	<6.1
200-57251	SVP-01	02/12/2021	NA	<6.4	<10	<13	<21	<7.8	<16	<13	<9.2	<13	<9.8	<10	<7.9	<9.1	<9.8	<6.9	<17	<25	NA	<8.7	<18	<15	<21	<120	<20	<15	<20	<20	<7.2
200-57564	SVP-01	03/09/2021	NA	<6.4	<10	<13	<21	<7.8	<16	<13	<9.2	<13	<9.8	<10	<7.9	<9.1	**3.3J**	**15**	<17	<25	NA	<8.7	<18	<15	<21	**13J**	<20	<15	<20	<20	<7.2
200-58012	SVP-01	04/08/2021	NA	<6.4	<10	<13	<21	<7.8	**2.9J**	<13	<9.2	<13	<9.8	<10	<7.9	<9.1	<9.8	**2.0J**	<17	<25	NA	<8.7	<18	<15	<21	<120	<20	**2.1J**	<20	<20	<7.2
200-58344	SVP-01	05/04/2021	NA	<6.4	<10	<13	<21	<7.8	<16	<13	<9.2	<13	<9.8	<10	<7.9	<9.1	<9.8	<6.9	<17	<25	NA	<8.7	<18	<15	<21	<120	<20	<15	<20	<20	<7.2
200-58576	SVP-01_E	05/20/2021	NA	<6.4	<10	<13	<21	<7.8	<16	<13	<9.2	<13	<9.8	<10	<7.9	<9.1	<9.8	<6.9	<17	<25	NA	<8.7	<18	<15	<21	<120	<20	<15	<20	<20	<7.2
92540103	SVP-01-PA	05/20/2021	<4.6	**0.50**	<0.52	<0.67	<1.0	<0.39	<3.1	<0.63	<0.46	<0.26	<0.49	<0.41	<0.40	<0.45	<1.2	<0.34	<0.85	<0.49	**7.50**	**0.38J**	NA	<3.1	<1.1	**6.7J**	<0.82	**4.1J**	<0.41	<0.41	<0.36
92541930	SVP-01	06/02/2021	<4.6	<0.32	<0.52	**1.10**	**2.0**	<0.39	<3.1	**0.82**	<0.46	<0.26	<0.49	<0.41	<0.40	<0.45	<1.2	<0.69	**1.70**	<0.49	<3.6	**0.96**	NA	**1.90**	<1.1	**5.2J**	<0.41	**2.5J**	NA	<0.41	<0.36
92543128	SVP-01	06/08/2021	<9.2	<0.64	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	<0.98	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	<0.99	<7.2	**0.43J**	NA	<6.1	<2.1	<20	<1.6	<24	<0.82	<0.82	<0.72
92549534	SVP-01	07/14/2021	<4.6	<0.32	<0.52	<0.67	<1.0	<0.39	<3.1	<0.63	<0.46	<0.26	<0.49	<0.41	<0.40	<0.45	<1.2	<0.34	<0.85	<0.49	<3.6	<0.43	NA	<3.1	<1.1	<9.8	<0.41	<12	<0.41	<0.41	<0.36
92552703	SVP-01	08/11/2021	<9.2	<0.64	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	<0.98	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	**2.2**	<7.2	<0.87	NA	<6.1	<2.1	<20	<0.82	<24	<0.82	<0.82	<0.72
92557565	SVP-01	08/25/2021	<9.2	**0.32J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**0.59J**	**0.54J**	<0.79	<0.91	<2.5	<0.69	<1.7	**2.3**	<7.2	**0.24J**	NA	**0.74J**	<2.1	**53.00**	**0.66J**	**3.3J**	<0.82	<0.82	<0.72
92558814	SVP-01	09/01/2021	<9.2	**0.36J**	<1.0	<1.3	<2.1	**0.73J**	<6.2	**0.5J**	**0.52J**	**0.52J**	**0.86J**	**0.64J**	<0.79	<0.91	<2.5	<0.69	**0.58J**	**2.3**	<7.2	**0.4J**	NA	**1.2J**	<2.1	<20	**0.64J**	**3.0J**	**0.49J**	<0.82	**0.32J**
92560656	SVP-01	09/10/2021	<9.2	**0.41J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	<0.98	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	**1.6**	<7.2	**0.45J**	NA	**0.98J**	<2.1	<20	<0.82	<24	<0.82	<0.82	<0.72
92561599	SVP-01	09/15/2021	<9.2	**0.24J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**0.29J**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	**1.4**	<7.2	**0.54J**	NA	**0.58J**	<2.1	<20	<0.82	**3.1J**	<0.82	<0.82	<0.72
92562843	SVP-01	09/22/2021	**2.4J**	**0.38J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	**0.48J**	<0.53	**0.37J**	**1.4**	<0.79	<0.91	<2.5	<0.69	<1.7	**1.9**	<7.2	**0.90**	NA	**0.77J**	<2.1	<20	**1.2**	**5.9J**	<0.82	<0.82	<0.72
92563968	SVP-01	09/29/2021	**3.1J**	**0.29J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**0.29J**	**0.31J**	<0.79	<0.91	<2.5	<0.69	<1.7	**2.7**	<7.2	**0.61**	NA	**0.71J**	<2.1	<20	<0.82	**3.1J**	<0.82	<0.82	<0.72
92512003	SV-2	12/15/2020	NA	<0.63	NA	<2.6	NA	NA	NA	NA	NA	NA	**1.20**	NA	NA	NA	NA	NA	<8.4	NA	NA	<1.7	NA	NA	NA	NA	NA	NA	NA	NA	<7.1
200-56803	SV-2_E	01/07/2021	NA	<6.4	<10	<13	<21	<7.8	<16	<13	<9.2	<13	<9.8	<10	<7.9	<9.1	<9.8	<6.9	<17	<25	NA	<8.7	<18	<15	<21	<120	<20	<15	<20	<20	<7.2
92515439	SV-2-PA	01/07/2021	<2.1	<0.59	<4.8	<2.5	<9.6	<1.4	**6.20**	<2.3	<1.7	<0.98	<0.91	**0.78**	<1.5	<1.7	<4.6	<3.2	<3.2	**2.30**	<1.3	<1.6	<6.7	<6.5	<9.9	NA	NA	<5.5	NA	<1.5	<6.7
200-57251	SVP-02	02/12/2021	NA	<6.4	<10	<13	<21	<7.8	<16	<13	<9.2	<13	<9.8	<10	<7.9	<9.1	<9.8	<6.9	<17	**7.6J**	NA	<8.7	<18	<15	<21	**14J**	<20	<15	<20	<20	<7.2
200-57564	SVP-02	03/09/2021	NA	<6.4	<10	<13	<21	<7.8	<16	<13	<9.2	<13	<9.8	<10	<7.9	<9.1	**2.2J**	**6.4J**	<17	<25	NA	<8.7	<18	<15	<21	**36J**	<20	**5.4J**	<20	<20	<7.2
200-58012	SVP-02	04/08/2021	NA	<6.4	<10	<13	<21	<7.8	<16	<13	<9.2	<13	<9.8	<10	<7.9	<9.1	<9.8	**2.4J**	<17	<25	NA	**2.8J**	<18	<15	<21	<120	<20	<15	<20	<20	<7.2
200-58344	SVP-02	05/04/2021	NA	<6.4	<10	<13	<21	<7.8	<16	<13	<9.2	<13	<9.8	<10	<7.9	<9.1	<9.8	<6.9	<17	<25	NA	<8.7	<18	<15	<21	<120	<20	<15	<20	<20	<7.2
200-58576	SVP-02_E	05/20/2021	NA	<6.4	<10	<13	<21	<7.8	<16	<13	<9.2	<13	<9.8	<10	<7.9	<9.1	<9.8	<6.9	<17	<25	NA	<8.7	**5.8J**	<15	<21	<120	<20	<15	<20	<20	<7.2
92540103	SVP-02-PA	05/20/2021	<4.6	**0.35**	<0.52	<0.67	<1.0	<0.39	<3.1	<0.63	<0.46	<0.26	<0.49	<0.41	<0.40	<0.45	<1.2	<0.34	<0.85	<0.49	<3.6	**0.27J**	NA	<3.1	<1.1	**6.8J**	<0.82	<12	<0.41	<0.41	<0.36
92541930	SVP-02	06/02/2021	<4.6	<0.32	<0.52	<0.67	<1.0	<0.39	<3.1	<0.63	<0.46	<0.26	<0.49	<0.41	<0.40	<0.45	<1.2	<0.69	<0.85	<0.49	<3.6	**0.53**	NA	<3.1	<1.1	**5.9J**	<0.41	**2.2J**	<0.41	<0.41	<0.36
92543128	SVP-02	06/08/2021	<9.2	**1.10**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	<0.98	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	<0.99	<7.2	**0.92**	NA	<6.1	<2.1	<20	<1.6	<24	<0.82	<0.82	<0.72
92549534	SVP-02	07/14/2021	<4.6	<0.32	<0.52	<0.67	<1.0	<0.39	<3.1	<0.63	<0.46	<0.26	<0.49	<0.41	<0.40	<0.45	<1.2	<0.34	<0.85	<0.49	<3.6	<0.43	NA	<3.1	<1.1	<9.8	<0.41	<12	<0.41	<0.41	<0.36
92552703	SVP-02	08/11/2021	<9.2	<0.64	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	<0.98	**0.99**	<0.79	<0.91	<2.5	<0.69	<1.7	**2.20**	<7.2	<0.87	NA	<6.1	<2.1	<20	<0.82	<24	<0.82	<0.82	<0.72
92557565	SVP-02	08/25/2021	<9.2	**0.45J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**0.31J**	<0.83	**0.29J**	<0.91	<2.5	**4.30**	<1.7	<0.99	<7.2	**0.54J**	NA	**2.1J**	<2.1	<20	**1.10**	**9.3J**	<0.82	<0.82	<0.72
92558814	SVP-02	09/01/2021	<9.2	**0.42J**	<1.0	**0.56J**	**0.74J**	**0.71J**	<6.2	**0.53J**	**0.44J**	**0.43J**	**0.57J**	**0.90**	**0.32J**	<0.91	<2.5	<0.69	**0.65J**	**2.40**	<7.2	**0.43J**	NA	**1.3J**	<2.1	**4.5J**	**0.61J**	**2.8J**	<0.82	<0.82	**0.32J**
92560656	SVP-02	09/10/2021	<9.2	**0.45J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	<0.98	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	**1.8**	<7.2	**1.8**	NA	**0.86J**	<2.1	<20	<0.82	**2.3J**	<0.82	<0.82	<0.72
92561599	SVP-02	09/15/2021	<9.2	**0.37J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	<0.98	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	<0.99	<7.2	**0.52J**	NA	**4.2J**	<2.1	<20	<0.82	**16J**	<0.82	<0.82	<0.72
92562843	SVP-02	09/22/2021	**2.3J**	**0.38J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	**0.59J**	<0.53	<0.98	**0.86**	<0.79	<0.91	<2.5	<0.69	<1.7	**1.7**	<7.2	**1.0**	NA	**2.3J**	<2.1	<20	**0.90**	**3.6J**	<0.82	<0.82	<0.72
92563968	SVP-02	09/29/2021	<9.2	**1.8**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	<0.98	**0.93**	<0.79	<0.91	<2.5	**1.1**	<1.7	**2.8**	<7.2	**1.4**	NA	**0.64J**	<2.1	<20	<0.82	<24	<0.82	<0.82	<0.72

Table 9
Summary of Soil Vapor Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

			VOCs (µg/m^3)																											
Lab Report Number	**Sample ID**	**Sample Date**	**Acrolein**	**Benzene**	**Benzyl chloride**	**Bromodichloromethane**	**Bromoform**	**Bromomethane**	**Carbon disulfide**	**Carbon tetrachloride**	**Chlorobenzene**	**Chloroethane**	**Chloroform**	**Chloromethane**	**cis-1,2-Dichloroethene**	**cis-1,3-Dichloropropene**	**Isopropylbenzene (Cumene)**	**Cyclohexane**	**Dibromochloromethane**	**Dichlorodifluoromethane (Freon 12)**	**Ethyl Acetate**	**Ethylbenzene**	**Chlorodifluoromethane (Freon 22)**	**1,1,2-Trichloro-1,2,2-trifluoroethane (Freon TF, Freon 113)**	**Hexachlorobutadiene**	**Isopropyl alcohol (Isopropanol)**	**Methyl Butyl Ketone (2-Hexanone)**	**Methyl Ethyl Ketone (2-Butanone)**	**Methyl isobutyl ketone (MIBK)**	**Methyl methacrylate**	**Methyl tert-butyl ether (MTBE)**
Sub-slab and Exterior SGSL			**NE**	**120**	**7**	**25**	**850**	**35**	**4900**	**160**	**350**	**70000**	**41**	**630**	**NE**	**N/A**	**2800**	**42000**	**NE**	**700**	**NE**	**370**	**350000**	**35000**	**43**	**1400**	**210**	**35000**	**21000**	**4900**	**3600**
IASL (A), TCR=1.0E-06 THQ=0.2			**0.0042**	**0.36**	**0.06**	**0.08**	**2.60**	**1.0**	**150**	**0.47**	**10**	**2100**	**0.12**	**19.00**	**NE**	**N/A**	**83.00**	**1300**	**NE**	**21**	**15**	**1.10**	**10000**	**1000**	**0.13**	**42**	**6.30**	**1000**	**630**	**150**	**11**
92512003	SV-3	12/15/2020	NA	<0.59	NA	<2.5	NA	NA	NA	NA	NA	NA	**1.10**	NA	NA	NA	NA	NA	<7.9	NA	NA	<1.6	NA	NA	NA	NA	NA	NA	NA	NA	<6.7
200-56803	SV-3_E	01/07/2021	NA	<6.4	<10	<13	<21	<7.8	<16	<13	<9.2	<13	<9.8	<10	<7.9	<9.1	<9.8	<6.9	<17	<25	NA	<8.7	<18	<15	<21	<120	<20	<15	<20	<20	<7.2
92515439	SV-3-PA	01/07/2021	<2.2	**1.30**	<5.0	<2.6	<10	<1.5	**2.30**	<2.4	<1.8	<1.0	<0.94	<0.80	<1.5	<1.8	<4.8	**5.40**	<3.3	**2.60**	<1.4	<1.7	<7.0	<6.7	<10.3	NA	<7.9	<5.7	NA	<1.6	<7.0
200-57251	SVP-03	02/12/2021	NA	<6.4	<10	<13	<21	<7.8	<16	<13	<9.2	<13	<9.8	<10	<7.9	<9.1	<9.8	**14**	<17	<25	NA	<8.7	<18	<15	<21	<120	<20	<15	<20	<20	<7.2
200-57564	SVP-03	03/09/2021	NA	<6.4	<10	<13	<21	<7.8	<16	<13	<9.2	<13	<9.8	<10	<7.9	<9.1*+	**3.3J**	**16**	<17	<25	NA	<8.7	<18	<15	<21	**54J**	<20	**7.0J**	<20	<20	<7.2
200-58012	SVP-03	04/08/2021	NA	<13	<21	<27	<41	<16	**9.4J**	<25	<18	<26	<20	<21	<16	<18	<20	<14	<34	<49	NA	<17	<35	<31	<43	<250	<41	<29	<41	<41	<14
200-58344	SVP-03	05/04/2021	NA	<6.4	<10	<13	<21	<7.8	<16	<13	<9.2	<13	<9.8	<10	<7.9	<9.1	<9.8	**9.1**	<17	<25	NA	<8.7	<18	<15	<21	<120	<20	<15	<20	<20	<7.2
200-58576	SVP-03_E	05/20/2021	NA	<33	<53	<68	<110	<40	<79	<64	<47	<67	<50	<53	<40	<46	<50	<35	<87	<130	NA	<44	<90	<78	<110	<630	<100	<75	<100	<100	<37
92540103	SVP-03-PA	05/20/2021	<4.6	**0.38**	<0.52	<0.67	<1.0	<0.39	<3.1	<0.63	<0.46	<0.26	<0.49	<0.41	<0.40	<0.45	<1.2	<0.34	<0.85	<0.49	<3.6	**0.3J**	NA	<3.1	<1.1	<9.8	<0.82	**2.2J**	<0.41	<0.41	<0.36
92541930	SVP-03	06/02/2021	<4.6	<0.32	<0.52	<0.67	<1.0	<0.39	<3.1	<0.63	<0.46	<0.26	<0.49	<0.41	<0.40	<0.45	<1.2	<0.69	<0.85	<0.49	<3.6	**0.42J**	NA	**1.2J**	<1.1	**5.3J**	<0.41	**4.3J**	<0.41	<0.41	<0.36
92543128	SVP-03	06/08/2021	<9.2	<0.64	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	<0.98	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	<0.99	**15**	**0.97**	NA	**1.2J**	<2.1	<20	<1.6	**3.7J**	<0.82	<0.82	<0.72
92549534	SVP-03	07/14/2021	<4.6	<0.32	<0.52	<0.67	<1.0	<0.39	<3.1	<0.63	<0.46	<0.26	<0.49	<0.41	<0.40	<0.45	<1.2	<0.34	<0.85	<0.49	<3.6	<0.43	NA	<3.1	<1.1	<9.8	<0.41	<12	<0.41	<0.41	<0.36
92552703	SVP-03	08/11/2021	<9.2	<0.64	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**1.0**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	**2.90**	**30**	**0.89**	NA	<6.1	<2.1	<20	<0.82	<24	<0.82	<0.82	<0.72
92557565	SVP-03	08/25/2021	<9.2	**0.41J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**0.82J**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	**2.30**	<7.2	**0.28J**	NA	**0.67J**	<2.1	<20	<0.82	**2.1J**	<0.82	<0.82	<0.72
92558814	SVP-03	09/01/2021	**2.7J**	**0.24J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	**0.37J**	**0.4J**	**0.86J**	**0.69J**	<0.79	<0.91	<2.5	<0.69	<1.7	**2.30**	<7.2	**0.3J**	NA	**1.1J**	<2.1	<20	**0.61J**	**2.4J**	<0.82	<0.82	<0.72
92560656	SVP-03	09/10/2021	<9.2	**0.66J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**0.76J**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	<0.99	<7.2	**0.85J**	NA	**3.6J**	<2.1	<20	<0.82	**4.4J**	<0.82	<0.82	<0.72
92561599	SVP-03	09/15/2021	<9.2	**0.33J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**0.64J**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	<0.99	<7.2	**0.52J**	NA	**1.1J**	<2.1	<20	<0.82	**5.4J**	<0.82	<0.82	<0.72
92562843	SVP-03	09/22/2021	**3.1J**	**1.4**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	**1.6**	<0.53	**0.39J**	**1.2**	<0.79	<0.91	<2.5	<0.69	<1.7	**1.7**	**13**	**2.7**	NA	<6.1	<2.1	<20	**1.0**	**19J**	**0.62J**	<0.82	<0.72
92563968	SVP-03	09/29/2021	<9.2	**0.22J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**0.70J**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	**2.8**	<7.2	**0.76J**	NA	**0.67J**	<2.1	<20	<0.82	<24	<0.82	<0.82	<0.72

Table 9
Summary of Soil Vapor Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

			VOCs (µg/m^3)																											
Lab Report Number	**Sample ID**	**Sample Date**	**Acrolein**	**Benzene**	**Benzyl chloride**	**Bromodichloromethane**	**Bromoform**	**Bromomethane**	**Carbon disulfide**	**Carbon tetrachloride**	**Chlorobenzene**	**Chloroethane**	**Chloroform**	**Chloromethane**	**cis-1,2-Dichloroethene**	**cis-1,3-Dichloropropene**	**Isopropylbenzene (Cumene)**	**Cyclohexane**	**Dibromochloromethane**	**Dichlorodifluoromethane (Freon 12)**	**Ethyl Acetate**	**Ethylbenzene**	**Chlorodifluoromethane (Freon 22)**	**1,1,2-Trichloro-1,2,2-trifluoroethane (Freon TF, Freon 113)**	**Hexachlorobutadiene**	**Isopropyl alcohol (Isopropanol)**	**Methyl Butyl Ketone (2-Hexanone)**	**Methyl Ethyl Ketone (2-Butanone)**	**Methyl isobutyl ketone (MIBK)**	**Methyl methacrylate**	**Methyl tert-butyl ether (MTBE)**
Sub-slab and Exterior SGSL			**NE**	**120**	**7**	**25**	**850**	**35**	**4900**	**160**	**350**	**70000**	**41**	**630**	**NE**	**N/A**	**2800**	**42000**	**NE**	**700**	**NE**	**370**	**350000**	**35000**	**43**	**1400**	**210**	**35000**	**21000**	**4900**	**3600**
IASL (A), TCR=1.0E-06 THQ=0.2			**0.0042**	**0.36**	**0.06**	**0.08**	**2.60**	**1.0**	**150**	**0.47**	**10**	**2100**	**0.12**	**19.00**	**NE**	**N/A**	**83.00**	**1300**	**NE**	**21**	**15**	**1.10**	**10000**	**1000**	**0.13**	**42**	**6.30**	**1000**	**630**	**150**	**11**
200-57564	SVP-04	03/09/2021	NA	<6.4	<10	<13	<21	<7.8	**11J**	<13	<9.2	<13	<9.8	<10	<7.9	<9.1*+	<9.8	<6.9	<17	<25	NA	<8.7	<18	<15	<21	**51J**	<20	<15	<20	<20	<7.2
200-58012	SVP-04	04/08/2021	NA	<6.4	<10	<13	<21	<7.8	**8.2J**	<13	<9.2	<13	<9.8	<10	<7.9	<9.1	<9.8	**1.8J**	<17	<25	NA	**2.9J**	<18	<15	<21	<120	<20	<15	<20	<20	<7.2
200-58344	SVP-04	05/04/2021	NA	<6.4	<10	<13	<21	<7.8	<16	<13	<9.2	<13	<9.8	<10	<7.9	<9.1	<9.8	**1.6J**	<17	<25	NA	<8.7	<18	<15	<21	**85J**	<20	**31**	<20	<20	<7.2
200-58344	DUP-1*	05/04/2021	NA	<32	<52	<67	<100	<39	<78	<63	<46	<66	<49	<52	<40	<45	<49	**280**	<85	<120	NA	<43	<88	<77	<110	<610	<100	<74	<100	<100	<36
200-58576	SVP-04_E	05/20/2021	NA	<6.4	<10	<13	<21	<7.8	**12J**	<13	<9.2	<13	<9.8	<10	<7.9	<9.1	<9.8	<6.9	<17	<25	NA	<8.7	<18	<15	<21	<120	<20	<15	<20	<20	<7.2
200-58576	DUP-1_E	05/20/2021	NA	<6.4	<10	<13	<21	<7.8	<16	<13	<9.2	<13	<9.8	<10	<7.9	<9.1	<9.8	<6.9	<17	<25	NA	<8.7	<18	<15	<21	<120	<20	<15	<20	<20	<7.2
92540103	SVP-04-PA	05/20/2021	<4.6	**0.37**	<0.52	<0.67	<1.0	<0.39	<3.1	<0.63	<0.46	<0.26	<0.49	<0.41	<0.40	<0.45	<1.2	<0.34	<0.85	<0.49	<3.6	<0.43	<0.36	<3.1	<1.1	<9.8	<0.82	<12	<0.41	<0.41	<0.36
92540106	DUP-1-PA	05/20/2021	<4.6	**0.41**	<0.52	<0.67	<1.0	<0.39	<3.1	<0.63	<0.46	<0.26	<0.49	<0.41	<0.40	<0.45	<1.2	<0.34	<0.85	<0.49	**2.7J**	**0.22J**	NA	<3.5	<1.1	**44**	<0.82	**1.6J**	<0.41	<0.41	<0.36
92541930	SVP-04	06/02/2021	<4.6	<0.32	<0.52	<0.67	<1.0	<0.39	<3.1	<0.63	<0.46	<0.26	<0.49	<0.41	<0.40	<0.45	<1.2	<0.69	<0.85	<0.49	<3.6	<0.43	NA	<3.1	<1.1	<9.8	<0.41	**3.8J**	<0.41	<0.41	<0.36
92545112	DUP-1	06/02/2021	<4.6	<0.32	<0.52	<0.67	<1.0	<0.39	<3.1	<0.63	<0.46	<0.26	<0.49	<0.41	<0.40	<0.45	<1.2	<0.69	<0.85	<0.49	<3.6	**0.26J**	NA	**1.7J**	<1.1	<9.8	<0.41	**4.1J**	<0.41	<0.41	<0.36
92543128	SVP-04	06/08/2021	<9.2	<0.64	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	<0.98	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	<0.99	<7.2	<0.87	NA	<6.1	<2.1	<20	<1.6	<24	<0.82	<0.82	<0.72
92545150	DUP-1	06/08/2021	<9.2	<0.64	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	<0.98	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	<0.99	<7.2	**2.00**	NA	**4.5J**	<2.1	<20	<1.6	<24	<0.82	<0.82	<0.72
92549534	SVP-04	07/14/2021	<4.6	<0.32	<0.52	<0.67	<1.0	<0.39	<3.1	<0.63	<0.46	<0.26	<0.49	<0.41	<0.40	<0.45	<1.2	<0.34	<0.85	<0.49	<3.6	<0.43	NA	<3.1	<1.1	<9.8	<0.41	<12	<0.41	<0.41	<0.36
92549538	DUP-1	07/14/2021	<4.6	<0.32	<0.52	<0.67	<1.0	<0.39	<3.1	<0.63	<0.46	<0.26	<0.49	<0.41	<0.40	<0.45	<1.2	<0.34	<0.85	<0.49	<3.6	<0.43	NA	<3.1	<1.1	<9.8	<0.41	<12	.4+A+BJ	<0.41	<0.36
92552703	SVP-04	08/11/2021	<9.2	<0.64	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	<0.98	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	**2.2**	<7.2	<0.87	NA	<6.1	<2.1	<20	<0.82	<24	<0.82	<0.82	<0.72
92554699	DUP-1	08/11/2021	<9.2	**0.75**	<1.0	<1.3	<2.1	**1.20**	<6.2	**1.40**	**1.30**	**0.72**	**1.40**	<0.83	**1.10**	<0.91	<2.5	<0.69	<1.7	**3.2**	<7.2	**0.96**	NA	<6.1	**2.30**	<20	<0.82	<24	<0.82	<0.82	<0.72
92557565	SVP-04	08/25/2021	**3.2J**	**1.20**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	<0.98	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	**2.6**	<7.2	**0.56J**	NA	**2.0J**	<2.1	<20	**1.0**	**3.9J**	<0.82	<0.82	<0.72
92557585	DUP-1	08/25/2021	<9.2	<0.64	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	<0.98	**0.25J**	<0.79	<0.91	<2.5	<0.69	<1.7	**2.2**	<7.2	<0.87	NA	**0.55J**	<2.1	<20	<0.82	**2.4J**	<0.82	<0.82	<0.72
92558814	SVP-04	09/01/2021	<9.2	**2.80**	<1.0	<1.3	<2.1	<0.78	<6.2	**0.48J**	**0.35J**	<0.53	**0.43J**	**0.4J**	<0.79	<0.91	<2.5	**1.30**	<1.7	**2.3**	**4.3J**	**0.68J**	NA	**1.1J**	<2.1	<20	**0.7J**	**5.4J**	**1.30**	<0.82	**0.33**
92558813	DUP-1	09/01/2021	<9.2	**0.42J**	<1.0	<1.3	<2.1	<0.78	<6.2	**0.53J**	**0.35J**	<0.53	**0.41J**	**0.5J**	<0.79	<0.91	<2.5	**1.60**	<1.7	**2.3**	**7.40**	**0.64J**	NA	**1.1J**	<2.1	**5.7J**	**0.43J**	**5.9J**	**2.20**	<0.82	<0.72
92560656	SVP-04	09/10/2021	**3.0J**	**0.36J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	<0.98	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	**1.9**	<7.2	**0.42J**	NA	**0.98J**	<2.1	<20	<0.82	**4.0J**	<0.82	<0.82	<0.72
92560652	DUP-1	09/10/2021	<9.2	**0.32J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	<0.98	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	**1.6**	<7.2	**0.40J**	NA	<6.1	<2.1	<20	<0.82	**3.7J**	<0.82	<0.82	<0.72
92561599	SVP-04	09/15/2021	<9.2	**0.64**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	<0.98	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	**1.7**	<7.2	**0.61J**	NA	<6.1	<2.1	<20	<0.82	**2.7J**	<0.82	<0.82	<0.72
92561605	DUP-1	09/15/2021	<9.2	**0.56J**	<1.0	**0.62J**	**1.0J**	<0.78	<6.2	**0.68J**	<0.92	<0.53	**0.45J**	<0.83	<0.79	**0.45J**	<2.5	<0.69	**0.85J**	**1.8**	<7.2	**0.73J**	NA	**1.1J**	<2.1	**10J**	<0.82	**4.1J**	<0.82	<0.82	<0.72
92562843	SVP-04	09/22/2021	<9.2	**0.78**	<1.0	**0.75J**	**0.74J**	**0.64J**	<6.2	**0.83J**	**0.72J**	**0.44J**	**0.64J**	**0.52J**	**0.41**	**0.44J**	<2.5	**0.48J**	**0.85J**	**2.2**	<7.2	**1.0**	NA	**1.4J**	<2.1	<20	**0.97**	**3.4J**	**0.88**	**0.51J**	**0.46J**
92562861	DUP-1	09/22/2021	<9.2	**0.20J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	<0.98	**0.34J**	<0.79	<0.91	<2.5	<0.69	<1.7	**2.7**	<7.2	**0.52J**	NA	**0.71J**	<2.1	<20	<0.82	**3.4J**	<0.82	<0.82	<0.72
92563968	SVP-04	09/29/2021	<9.2	**0.31J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	**0.31J**	<0.53	<0.98	**0.24J**	<0.79	<0.91	<2.5	<0.69	<1.7	**2.5**	<7.2	**0.71J**	NA	**0.77J**	<2.1	<20	<0.82	<24	<0.82	<0.82	<0.72
92563967	DUP-1	09/29/2021	<9.2	**0.40J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	**0.28J**	<0.53	<0.98	**0.27J**	<0.79	<0.91	<2.5	<0.69	<1.7	**2.6**	<7.2	**0.78J**	NA	<6.1	<2.1	<20	<0.82	<24	<0.82	<0.82	<0.72

Table 9
Summary of Soil Vapor Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

			VOCs (µg/m^3)																											
Lab Report Number	**Sample ID**	**Sample Date**	**Acrolein**	**Benzene**	**Benzyl chloride**	**Bromodichloromethane**	**Bromoform**	**Bromomethane**	**Carbon disulfide**	**Carbon tetrachloride**	**Chlorobenzene**	**Chloroethane**	**Chloroform**	**Chloromethane**	**cis-1,2-Dichloroethene**	**cis-1,3-Dichloropropene**	**Isopropylbenzene (Cumene)**	**Cyclohexane**	**Dibromochloromethane**	**Dichlorodifluoromethane (Freon 12)**	**Ethyl Acetate**	**Ethylbenzene**	**Chlorodifluoromethane (Freon 22)**	**1,1,2-Trichloro-1,2,2-trifluoroethane (Freon TF, Freon 113)**	**Hexachlorobutadiene**	**Isopropyl alcohol (Isopropanol)**	**Methyl Butyl Ketone (2-Hexanone)**	**Methyl Ethyl Ketone (2-Butanone)**	**Methyl isobutyl ketone (MIBK)**	**Methyl methacrylate**	**Methyl tert-butyl ether (MTBE)**
Sub-slab and Exterior SGSL			**NE**	**120**	**7**	**25**	**850**	**35**	**4900**	**160**	**350**	**70000**	**41**	**630**	**NE**	**N/A**	**2800**	**42000**	**NE**	**700**	**NE**	**370**	**350000**	**35000**	**43**	**1400**	**210**	**35000**	**21000**	**4900**	**3600**
IASL (A), TCR=1.0E-06 THQ=0.2			**0.0042**	**0.36**	**0.06**	**0.08**	**2.60**	**1.0**	**150**	**0.47**	**10**	**2100**	**0.12**	**19.00**	**NE**	**N/A**	**83.00**	**1300**	**NE**	**21**	**15**	**1.10**	**10000**	**1000**	**0.13**	**42**	**6.30**	**1000**	**630**	**150**	**11**
200-57564	SVP-05	03/09/2021	NA	<6.4	<10	<13	<21	<7.8	<16	<13	<9.2	<13	**19**	<10	<7.9	<9.1	**1.9J**	**8.90**	<17	<25	NA	<8.7	<18	<15	<21	<120	<20	<15	<20	<20	<7.2
200-58012	SVP-05	04/08/2021	NA	<6.4	<10	<13	<21	<7.8	<16	<13	<9.2	<13	**3.1J**	<10	<7.9	<9.1	<9.8	**2.3J**	<17	<25	NA	**3.0J**	<18	<15	<21	<120	<20	<15	<20	<20	<7.2
200-58345	SVP-05	05/04/2021	NA	<6.4	<10	<13	<21	<7.8	<16	<13	<9.2	<13	<9.8	<10	<7.9	<9.1	<9.8	**3.5J**	<17	<25	NA	<8.7	<18	<15	<21	<120	<20	<15	<20	<20	<7.2
200-58577	SVP-05_E	05/20/2021	NA	<6.4	<10	<13	<21	<7.8	<16	<13	<9.2	<13	<9.8	<10	<7.9	<9.1	<9.8	<6.9	<17	<25	NA	<8.7	<18	<15	<21	<120	<20	<15	<20	<20	<7.2
92540107	SVP-05-PA	05/20/2021	<4.6	**0.38**	<0.52	<0.67	<1.0	<0.39	<3.1	<0.63	<0.46	<0.26	**1.20**	<0.41	<0.40	<0.45	<1.2	<0.32	<0.85	<0.49	<3.6	<0.43	NA	<3.1	<1.1	**4.3J**	<0.82	**1.2J**	NA	<0.41	<0.36
92545110	SVP-05	06/02/2021	<4.6	<0.32	<0.52	<0.67	<1.0	<0.39	<3.1	<0.63	<0.46	<0.26	**1.10**	<0.41	<0.40	<0.45	<1.2	<0.69	<0.85	<0.49	<3.6	**0.28J**	NA	<3.1	<1.1	**4.6J**	<0.41	**1.5J**	<0.41	<0.41	<0.36
92545146	SVP-05	06/08/2021	<9.2	<0.64	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**0.86J**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	<0.99	<7.2	**0.59J**	NA	<6.1	<2.1	<20	<1.6	**2.0J**	<0.82	<0.82	<0.72
92549536	SVP-05	07/14/2021	<4.6	<0.32	<0.52	<0.67	<1.0	<0.39	<3.1	<0.63	<0.46	<0.26	**2.10**	<0.41	<0.40	<0.45	<1.2	<0.34	<0.85	<0.49	<3.6	<0.43	NA	<3.1	<1.1	<9.8	<0.41	<12	<0.41	<0.41	<0.36
92554696	SVP-05	08/11/2021	<9.2	<0.64	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**6**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	**2.30**	<7.2	<0.87	NA	<6.1	<2.1	<20	**0.90**	<24	<0.82	<0.82	<0.72
92557574	SVP-05	08/25/2021	<92	**160**	<10	<13	<21	<7.8	<62	<13	<9.2	<5.3	<9.8	<8.3	<7.9	<9.1	<25	**1300**	<17	**3.8J**	<72	**40**	NA	<61	<21	<200	<8.2	<240	<8.2	<8.2	<7.2
92558812	SVP-05	09/01/2021	<9.2	**0.63J**	<1.0	<1.3	<2.1	<0.78	**1.7J**	**0.4J**	<0.92	<0.53	**8.5**	**0.46J**	<0.79	<0.91	<2.5	<0.69	<1.7	**2.30**	<7.2	**0.35J**	NA	**0.86J**	<2.1	**13J**	**.7J**	**3.9J**	**0.49**	<0.82	<0.72
92560663	SVP-05	09/10/2021	<9.2	**0.84**	<1.0	<1.3	<2.1	<0.78	<6.2	**0.55J**	<0.92	<0.53	**8.3**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	<0.99	<7.2	**0.87**	NA	**4.9J**	<2.1	<20	<0.82	**4.0J**	<0.82	<0.82	<0.72
92561600	SVP-05	09/15/2021	<9.2	**0.65**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**4.2**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	**1.6**	<7.2	**0.61J**	NA	<6.1	<2.1	<20	<0.82	**4.2J**	<0.82	<0.82	<0.72
92562845	SVP-05	09/22/2021	**2.8J**	**0.50J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	**0.57J**	<0.53	**3.6**	**0.84**	<0.79	<0.91	<2.5	<0.69	<1.7	**2.0**	**8.0**	**0.92**	NA	**2.1J**	<2.1	<20	**0.75J**	**5.2J**	<0.82	<0.82	<0.72
92563962	SVP-05	09/29/2021	<9.2	**0.66**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	**0.35J**	<0.53	**4.8**	**0.45J**	<0.79	<0.91	<2.5	<0.69	<1.7	**2.8**	<7.2	**0.92**	NA	**0.58J**	<2.1	<20	<0.82	**2.5J**	<0.82	<0.82	<0.72
200-57627	SVP-06	03/12/2021	NA	**11**	<10	<13	<21	<7.8	<16	<13	<9.2	<13	**69**	<10	<7.9	<9.1	**7.9J**	**67**	<17	<25	NA	**12**	<18	<15	<21	<120	<20	**6.8J**	<20	<20	<7.2
200-58012	SVP-06	04/08/2021	NA	**2.9J**	<10	<13	<21	<7.8	**3.0J**	<13	<9.2	<13	**34**	**2.6J**	<7.9	<9.1	<9.8	**6.2J**	<17	<25	NA	**6.6J**	**4.9J**	<15	<21	<120	<20	<15	<20	<20	<7.2
200-58345	SVP-06	05/04/2021	NA	<6.4	<10	<13	<21	<7.8	<16	<13	<9.2	<13	**37**	<10	<7.9	<9.1	<9.8	**3.3J**	<17	<25	NA	<8.7	<18	<15	<21	<120	<20	<15	<20	<20	<7.2
200-58577	SVP-06_E	05/20/2021	NA	<6.4	<10	<13	<21	<7.8	**4.1J**	<13	<9.2	<13	**36**	<10	<7.9	<9.1	<9.8	**1.8J**	<17	<25	NA	<8.7	<18	<15	<21	<120	<20	<15	<20	<20	<7.2
92545110	SVP-06	06/02/2021	<4.6	<0.32	<0.52	<0.67	<1.0	<0.39	<3.1	<0.63	<0.46	<0.26	**34**	<0.42	<0.40	<0.45	<1.2	<0.69	<0.85	<0.49	<3.6	**0.34J**	NA	<0.70	<1.1	**5.9J**	<0.41	**2.5J**	<0.41	<0.41	<0.36
92545146	SVP-06	06/08/2021	<9.2	**0.81**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**29**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	<0.99	**69**	**2.0**	NA	<6.1	<2.1	**20J**	<1.6	**6.7J**	<0.82	<0.82	<0.72
92549536	SVP-06	07/14/2021	<4.6	<0.32	<0.52	<0.67	<1.0	<0.39	<3.1	<0.63	<0.46	<0.26	**40**	<0.41	<0.40	<0.45	<1.2	<0.34	<0.85	<0.49	<3.6	<0.43	NA	<3.1	<1.1	<9.8	<0.41	<12	<0.41	<0.41	<0.36
92554696	SVP-06	08/11/2021	<9.2	**0.64**	<1.0	<1.3	<2.1	<0.78	**27**	<1.3	<0.92	<0.53	**69**	**0.96**	<0.79	<0.91	<2.5	**2.10**	<1.7	**2.5**	<7.2	<0.87	NA	<6.1	<2.1	<20	<0.82	<24	<0.82	<0.82	<0.72
92557574	SVP-06	08/25/2021	<9.2	**0.81**	<1.0	<1.3	<2.1	<0.78	**29**	<1.3	<0.92	<0.53	**43**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	<0.99	<7.2	<0.87	NA	**2.8J**	<2.1	<20	<0.82	**5.1J**	<0.82	<0.82	<0.72
92558812	SVP-06	09/01/2021	**4.3J**	**3.40**	<1.0	**0.59J**	<2.1	<0.78	**8**	**0.68J**	**0.42J**	**0.42J**	**23**	**1.90**	**0.29J**	<0.91	<2.5	<0.69	<1.7	**2.6**	<7.2	**9.50**	NA	**1.1J**	<2.1	<20	**0.95**	**4.8J**	**0.79J**	<0.82	**0.32J**
92560663	SVP-06	09/10/2021	**5.4J**	**0.68**	<1.0	<1.3	<2.1	<0.78	**11**	<1.3	<0.92	<0.53	**31**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	**2.0**	<7.2	**0.66J**	NA	**0.86J**	<2.1	<20	<0.82	**6.5J**	<0.82	<0.82	<0.72
92561600	SVP-06	09/15/2021	<9.2	**0.43J**	<1.0	<1.3	<2.1	<0.78	**8.5**	<1.3	<0.92	<0.53	**29**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	**1.5**	<7.2	**0.36J**	NA	<6.1	<2.1	**10J**	<0.82	**4.9J**	<0.82	<0.82	<0.72
92562845	SVP-06	09/22/2021	**2.7J**	**1.7**	<1.0	<1.3	<2.1	<0.78	**2.4J**	<1.3	**1.6**	<0.53	**8.5**	**1.2**	<0.79	<0.91	<2.5	<0.69	<1.7	**2.0**	**19.0**	**3.0**	NA	**0.83J**	<2.1	**5.4J**	**0.66J**	**16J**	**0.67J**	<0.82	<0.72
92563962	SVP-06	09/29/2021	**3.0J**	**0.72**	<1.0	<1.3	<2.1	<0.78	**5.7J**	<1.3	**0.64J**	<0.53	**30**	**1.2**	<0.79	<0.91	<2.5	<0.69	<1.7	**3.0**	<7.2	**1.7**	NA	**0.74J**	<2.1	<20	<0.82	<24	<0.82	<0.82	<0.72

Table 9
Summary of Soil Vapor Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

			VOCs (µg/m^3)																											
Lab Report Number	**Sample ID**	**Sample Date**	**Acrolein**	**Benzene**	**Benzyl chloride**	**Bromodichloromethane**	**Bromoform**	**Bromomethane**	**Carbon disulfide**	**Carbon tetrachloride**	**Chlorobenzene**	**Chloroethane**	**Chloroform**	**Chloromethane**	**cis-1,2-Dichloroethene**	**cis-1,3-Dichloropropene**	**Isopropylbenzene (Cumene)**	**Cyclohexane**	**Dibromochloromethane**	**Dichlorodifluoromethane (Freon 12)**	**Ethyl Acetate**	**Ethylbenzene**	**Chlorodifluoromethane (Freon 22)**	**1,1,2-Trichloro-1,2,2-trifluoroethane (Freon TF, Freon 113)**	**Hexachlorobutadiene**	**Isopropyl alcohol (Isopropanol)**	**Methyl Butyl Ketone (2-Hexanone)**	**Methyl Ethyl Ketone (2-Butanone)**	**Methyl isobutyl ketone (MIBK)**	**Methyl methacrylate**	**Methyl tert-butyl ether (MTBE)**
Sub-slab and Exterior SGSL			**NE**	**120**	**7**	**25**	**850**	**35**	**4900**	**160**	**350**	**70000**	**41**	**630**	**NE**	**N/A**	**2800**	**42000**	**NE**	**700**	**NE**	**370**	**350000**	**35000**	**43**	**1400**	**210**	**35000**	**21000**	**4900**	**3600**
IASL (A), TCR=1.0E-06 THQ=0.2			**0.0042**	**0.36**	**0.06**	**0.08**	**2.60**	**1.0**	**150**	**0.47**	**10**	**2100**	**0.12**	**19.00**	**NE**	**N/A**	**83.00**	**1300**	**NE**	**21**	**15**	**1.10**	**10000**	**1000**	**0.13**	**42**	**6.30**	**1000**	**630**	**150**	**11**
200-57564	SVP-07	03/09/2021	NA	<6.4	<10	<13	<21	<7.8	<16	<13	<9.2	<13	**56**	<10	<7.9	<9.1*+	<9.8	**37**	<17	<25	NA	<8.7	<18	<15	<21	<120	<20	**2.4J**	<20	<20	<7.2
200-58012	SVP-07	04/08/2021	NA	<6.4	<10	<13	<21	<7.8	<16	<13	<9.2	<13	**9.0J**	**2.2J**	<7.9	<9.1	<9.8	**16**	<17	<25	NA	**3.3J**	<18	<15	<21	<120	<20	<15	<20	<20	<7.2
200-58345	SVP-07	05/04/2021	NA	<6.4	<10	<13	<21	<7.8	**4.1J**	<13	<9.2	<13	**8.8J**	<10	<7.9	<9.1	<9.8	**4.2J**	<17	<25	NA	<8.7	<18	<15	<21	<120	<20	<15	<20	<20	<7.2
200-58577	SVP-07_E	05/20/2021	NA	<6.4	<10	<13	<21	<7.8	<16	<13	<9.2	<13	**3.3J**	<10	<7.9	<9.1	<9.8	**4.2J**	<17	<25	NA	<8.7	<18	<15	<21	<120	<20	<15	<20	<20	<7.2
92545110	SVP-07	06/02/2021	<4.6	<0.32	<0.52	<0.67	<1.0	<0.39	<3.1	<0.63	<0.46	<0.26	**4.6**	<0.41	<0.40	<0.45	<1.2	<0.69	<0.85	<0.49	<3.6	**0.38J**	NA	<3.1	<1.1	**4.5J**	<0.41	<12	<0.41	<0.41	<0.36
92545146	SVP-07	06/08/2021	<9.2	**74**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**4.1**	<0.83	<0.79	<0.91	**5.20**	**12**	<1.7	<0.99	<7.2	**130**	NA	<6.1	<2.1	<20	<1.6	**5.2J**	<0.82	<0.82	<0.72
92549536	SVP-07	07/14/2021	<4.6	<0.32	<0.52	<0.67	<1.0	<0.39	<3.1	<0.63	<0.46	<0.26	**3.8**	<0.41	<0.40	<0.45	<1.2	<0.34	<0.85	<0.49	<3.6	**1.30**	NA	<3.1	<1.1	<9.8	<0.41	<12	<0.41	<0.41	<0.36
92554696	SVP-07	08/11/2021	<9.2	<0.64	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**15**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	**2.4**	<7.2	<0.87	NA	<6.1	<2.1	<20	<0.82	<24	<0.82	<0.82	<0.72
92557574	SVP-07	08/25/2021	<9.2	**4.30**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**35**	<0.83	<0.79	<0.91	<2.5	**32**	<1.7	**2.1**	<7.2	**1.20**	NA	**0.58J**	<2.1	<20	<0.82	**3.3J**	<0.82	<0.82	<0.72
92558812	SVP-07	09/01/2021	<9.2	**0.32J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	**0.33J**	<0.53	**3.2**	**0.47J**	<0.79	<0.91	<2.5	<0.69	<1.7	**2.4**	<7.2	**0.26J**	NA	**0.89J**	<2.1	**100**	**0.69J**	**4.6J**	<0.82	<0.82	<0.72
92560663	SVP-07	09/10/2021	<9.2	**0.87**	<1.0	<1.3	<2.1	<0.78	<6.2	**0.43J**	<0.92	<0.53	**2.7**	<0.83	<0.79	<0.91	<2.5	<0.69	**0.58J**	**1.8**	<7.2	**0.89**	NA	**1.8J**	<2.1	<20	<0.82	<24	<0.82	<0.82	<0.72
92561600	SVP-07	09/15/2021	<9.2	**0.38J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**3.3**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	**1.5**	<7.2	**0.43J**	NA	**0.98J**	<2.1	<20	<0.82	**4.3J**	<0.82	<0.82	<0.72
92562845	SVP-07	09/22/2021	<9.2	**0.49J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	**0.68J**	<0.53	**11**	**0.72J**	<0.79	<0.91	<2.5	<0.69	<1.7	**2.0**	**5.8J**	**1.2**	NA	**0.61J**	<2.1	<20	**0.52J**	**4.4J**	<0.82	<0.82	<0.72
92563962	SVP-07	09/29/2021	**2.3J**	**0.45J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	**0.29J**	<0.53	**2.4**	**0.92**	<0.79	<0.91	<2.5	<0.69	<1.7	**2.6**	<7.2	**0.92**	NA	**0.58J**	<2.1	<20	<0.82	**2.9J**	<0.82	<0.82	<0.72
200-57564	SVP-08	03/09/2021	NA	**3.4J**	<10	<13	<21	<7.8	**57**	<13	<9.2	<13	**290**	<10	<7.9	<9.1*+	**6.90**	**350**	<17	<25	NA	<8.7	<18	<15	<21	<120	<20	**5.0J**	<20	<20	<7.2
200-58012	SVP-08	04/08/2021	NA	<6.4	<10	<13	<21	<7.8	**3.7J**	<13	<9.2	<13	**280**	<10	<7.9	<9.1	<9.8	**410**	<17	<25	NA	**3.00**	<18	<15	<21	<120	<20	**3.7J**	<20	<20	<7.2
200-58345	SVP-08	05/04/2021	NA	<6.4	<10	<13	<21	<7.8	**5.1J**	<13	<9.2	<13	**190**	<10	<7.9	<9.1	<9.8	**110**	<17	<25	NA	<8.7	<18	<15	<21	<120	<20	<15	<20	<20	<7.2
200-58577	SVP-08_E	05/20/2021	NA	<6.4	<10	<13	<21	<7.8	**11J**	<13	<9.2	<13	**150**	<10	<7.9	<9.1	<9.8	**480**	<17	<25	NA	<8.7	**10J**	<15	<21	<120	<20	<15	<20	<20	<7.2
92545110	SVP-08	06/02/2021	<4.6	<0.32	<0.52	<0.67	<1.0	<0.39	<3.1	<0.63	<0.46	<0.26	**220**	<0.41	<0.40	<0.45	<1.2	**16**	<0.85	<0.49	<3.6	**0.36J**	NA	<3.1	<1.1	<9.8	<0.41	**5.4J**	<0.41	<0.41	<0.36
92545146	SVP-08	06/08/2021	<9.2	**1.30**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**220**	<0.83	<0.79	<0.91	<2.5	**13**	<1.7	<0.99	<7.2	**0.54J**	NA	<6.1	<2.1	<20	<1.6	<24	<0.82	<0.82	<0.72
92549536	SVP-08	07/14/2021	<4.6	<0.32	<0.52	<0.67	<1.0	<0.39	<3.1	<0.63	<0.46	<0.26	**120**	<0.41	<0.40	<0.45	<1.2	<0.34	<0.85	<0.49	<3.6	<0.43	NA	<3.1	<1.1	<9.8	<0.41	<12	<0.41	<0.41	<0.36
92554696	SVP-08	08/11/2021	<9.2	<0.64	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**36**	**1.40**	<0.79	<0.91	<2.5	<0.69	<1.7	**2.3**	<7.2	<0.87	NA	<6.1	<2.1	<20	**1.20**	<24	<0.82	<0.82	<0.72
92557574	SVP-08	08/25/2021	<9.2	**0.28J**	<1.0	<1.3	<2.1	<0.78	**1.8J**	<1.3	<0.92	<0.53	**26**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	**2.3**	<7.2	<0.87	NA	**1.8J**	<2.1	<20	**1.60**	**6.2J**	<0.82	<0.82	<0.72
92558812	SVP-08	09/01/2021	**2.9J**	**1.3**	<1.0	<1.3	<2.1	<0.78	**1.8J**	<1.3	<0.92	<0.53	**25**	**0.74J**	<0.79	<0.91	<2.5	<0.69	<1.7	**2.4**	<7.2	**0.23J**	NA	**0.67J**	<2.1	**6.8J**	**0.67J**	**3.6J**	<0.82	<0.82	<0.72
92560663	SVP-08	09/10/2021	<9.2	**1.2**	<1.0	**0.72**	<2.1	<0.78	<6.2	**0.63J**	<0.92	<0.53	**16**	<0.83	**0.40J**	<0.91	<2.5	<0.69	<1.7	**2.0**	<7.2	**1.10**	NA	**1.7J**	<2.1	<20	<0.82	<24	<0.82	<0.82	<0.72
92561600	SVP-08	09/15/2021	<9.2	**0.49J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**7.1**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	**1.4**	<7.2	**0.56J**	NA	<6.1	<2.1	<20	<0.82	**4.7J**	<0.82	<0.82	<0.72
92562845	SVP-08	09/22/2021	**3.0J**	**0.74**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	**0.85J**	<0.53	**5.7**	**0.93**	<0.79	<0.91	<2.5	<0.69	<1.7	**1.9**	<7.2	**1.7**	NA	**1.4J**	<2.1	<20	**1.1**	**8.9J**	**0.57J**	<0.82	<0.72
92563962	SVP-08	09/29/2021	<9.2	**0.51J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	**0.33J**	<0.53	**4.7**	**0.77J**	<0.79	<0.91	<2.5	<0.69	<1.7	**3.0**	<7.2	**0.85J**	NA	**0.89J**	<2.1	**7.7J**	<0.82	**2.1J**	<0.82	<0.82	<0.72
200-57564	SVP-09	03/09/2021	NA	**5.4J**	<10	<13	<21	<7.8	<16	<13	<9.2	<13	**20**	<10	<7.9	<9.1*+	**7.6J**	**19**	<17	<25	NA	<8.7	<18	<15	<21	**30J**	<20	**9.4J**	<20	<20	<7.2
200-58012	SVP-09	04/08/2021	NA	<6.4	<10	<13	<21	<7.8	<16	<13	<9.2	<13	**16**	<10	<7.9	<9.1	<9.8	**6.2J**	<17	**5.3J**	NA	**4.5J**	<18	<15	<21	<120	<20	**8.7J**	<20	<20	<7.2
200-58345	SVP-09	05/04/2021	NA	<6.4	<10	<13	<21	<7.8	<16	<13	<9.2	<13	**9.0J**	<10	<7.9	<9.1	<9.8	<6.9	<17	<25	NA	<8.7	<18	<15	<21	<120	<20	<15	<20	<20	<7.2
200-58577	SVP-09_E	05/20/2021	NA	<6.4	<10	<13	<21	<7.8	**23**	<13	<9.2	<13	**4.5J**	<10	<7.9	<9.1	<9.8	**1.3J**	<17	<25	NA	<8.7	<18	<15	<21	<120	<20	<15	<20	<20	<7.2
92545110	SVP-09	06/02/2021	<4.6	<0.32	<0.52	<0.67	<1.0	<0.39	<3.1	<0.63	<0.46	<0.26	**3.10**	<0.41	<0.40	<0.45	<1.2	<0.34	<0.85	<0.49	<3.6	<0.43	NA	<3.1	<1.1	<9.8	<0.41	<12	<0.41	<0.41	<0.36
92545146	SVP-09	06/08/2021	<9.2	**1.30**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**13**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	<0.99	<7.2	**0.85J**	NA	<6.1	<2.1	<20	<1.6	**4.7J**	<0.82	<0.82	<0.72
92549536	SVP-09	07/14/2021	<4.6	<0.32	<0.52	<0.67	<1.0	<0.39	<3.1	<0.63	<0.46	<0.26	**2.0**	<0.41	<0.40	<0.45	<1.2	<0.34	<0.85	<0.49	<3.6	<0.43	NA	<3.1	<1.1	<9.8	<0.41	<12	<0.41	<0.41	<0.36
92554696	SVP-09	08/11/2021	<9.2	<0.64	<1.0	<1.3	<2.1	**0.81**	<6.2	<1.3	<0.92	**0.53**	**2.3**	**1.90**	<0.79	<0.91	<2.5	<0.69	<1.7	**3.1**	<7.2	**1.90**	NA	<6.1	<2.1	<20	**1.40**	<24	<0.82	<0.82	**0.92**
92557574	SVP-09	08/25/2021	<9.2	**0.27J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**2.1**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	**2.6**	<7.2	**0.24J**	NA	**0.58J**	<2.1	<20	<0.82	**2.1J**	<0.82	<0.82	<0.72
92558812	SVP-09	09/01/2021	**4.1J**	**0.24J**	<1.0	<1.3	<2.1	<0.78	<6.2	**0.63J**	**0.31J**	<0.53	**3.1**	**0.99**	<0.79	<0.91	<2.5	**0.80**	<1.7	**2.6**	<7.2	**0.31J**	NA	**1.2J**	<2.1	<20	**1.20**	**4.8J**	<0.82	<0.82	**0.35J**
92560663	SVP-09	09/10/2021	**3.7J**	**1.0**	<1.0	**0.72**	<2.1	<0.78	<6.2	**0.78J**	<0.92	<0.53	**2.4**	<0.83	**0.40J**	<0.91	<2.5	<0.69	**0.72J**	<0.99	<7.2	**0.92**	NA	**1.8J**	<2.1	<20	<0.82	**3.2J**	<0.82	<0.82	<0.72
92561600	SVP-09	09/15/2021	<9.2	**1.2**	<1.0	<1.3	<2.1	<0.78	<6.2	**0.68J**	<0.92	<0.53	**1.4**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	**1.7**	<7.2	**0.82J**	NA	**0.67J**	<2.1	<20	<0.82	**3.2J**	<0.82	<0.82	<0.72
92562845	SVP-09	09/22/2021	<9.2	**0.37J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	**0.57J**	<0.53	**1.3**	**0.54J**	<0.79	<0.91	<2.5	<0.69	<1.7	**1.9**	<7.2	**0.78J**	NA	<6.1	<2.1	<20	**0.43J**	**3.3J**	<0.82	<0.82	<0.72
92563962	SVP-09	09/29/2021	<9.2	**0.41J**	<1.0	<1.3	<2.1	<0.78	<6.2	**0.58J**	**0.35J**	<0.53	**1.3**	**0.46J**	<0.79	<0.91	<2.5	<0.69	<1.7	**2.5**	**20.0**	**0.80J**	NA	**0.74J**	<2.1	<20	<0.82	**3.5J**	<0.82	<0.82	<0.72

Table 9
Summary of Soil Vapor Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Sample Date	VOCs (µg/m^3)																											
			Acrolein	Benzene	Benzyl chloride	Bromodichloromethane	Bromoform	Bromomethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Isopropylbenzene (Cumene)	Cyclohexane	Dibromochloromethane	Dichlorodifluoromethane (Freon 12)	Ethyl Acetate	Ethylbenzene	Chlorodifluoromethane (Freon 22)	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon TF, Freon 113)	Hexachlorobutadiene	Isopropyl alcohol (Isopropanol)	Methyl Butyl Ketone (2-Hexanone)	Methyl Ethyl Ketone (2-Butanone)	Methyl isobutyl ketone (MIBK)	Methyl methacrylate	Methyl tert-butyl ether (MTBE)
Sub-slab and Exterior SGSL			**NE**	**120**	**7**	**25**	**850**	**35**	**4900**	**160**	**350**	**70000**	**41**	**630**	**NE**	**N/A**	**2800**	**42000**	**NE**	**700**	**NE**	**370**	**350000**	**35000**	**43**	**1400**	**210**	**35000**	**21000**	**4900**	**3600**
IASL (A), TCR=1.0E-06 THQ=0.2			**0.0042**	**0.36**	**0.06**	**0.08**	**2.60**	**1.0**	**150**	**0.47**	**10**	**2100**	**0.12**	**19.00**	**NE**	**N/A**	**83.00**	**1300**	**NE**	**21**	**15**	**1.10**	**10000**	**1000**	**0.13**	**42**	**6.30**	**1000**	**630**	**150**	**11**
200-57564	SVP-10	03/09/2021	NA	**27**	<41	<54	<83	<31	<62	<50	<37	<53	<39	<41	<32	<36*+	<39	**39**	<68	<99	NA	<35	<71	<61	<85	**150J**	<82	<59	<82	<82	<29
200-58012	SVP-10	04/08/2021	NA	<4600	<7500	<9700	<15000	<5600	<11000	<9200	<6700	<9600	<7100	<7500	<5800	<6600	<7200	**12000**	<12000	<18000	NA	<6300	<13000	<11000	<16000	<89000	<15000	<11000	<15000	<15000	<5200
200-58348	SVP-10	05/04/2021	NA	<4500	<7200	<9400	<14000	<5400	<11000	<8800	<6400	<9200	<6800	<7200	<5600	<6400	<6900	**17000**	<12000	<17000	NA	<6100	<12000	<11000	<15000	<86000	<14000	<10000	<14000	<14000	<5000
200-58578	SVP-10_E	05/20/2021	NA	<160	<250	<330	<500	<190	<380	<310	<220	<320	<240	<250	<190	<220	<240	**360**	<420	<600	NA	<210	<430	<370	<520	<3,000	<500	<360	<500	<500	<180
92545111	SVP-10	06/02/2021	<6,900	**1800**	<780	<1,000	<1,600	<580	<4,700	<940	<690	<400	<730	<620	<590	<680	<1,900	**40000**	<1,300	<740	<5,400	<650	NA	<4,600	<1,600	<15,000	<610	<18,000	<610	<610	<540
92545148	SVP-10	06/08/2021	<9.2	**1200**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**2.20**	<0.83	<0.79	<0.91	<2.5	**16000**	<1.7	<0.99	<7.2	**120**	NA	<6.1	<2.1	<20	<1.6	<24	<0.82	<0.82	<0.72
92549530	SVP-10	07/14/2021	<92	**1300**	<10	<13	<21	<7.8	<62	<13	<9.2	<5.3	<9.8	<8.3	<7.9	<9.1	<25	**6600**	<17	<9.9	<72	**98**	NA	<61	<21	<200	<8.2	<240	<8.2	<8.2	<7.2
92554702	SVP-10	08/11/2021	<9.2	**0.82**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	<0.98	**0.83**	<0.79	<0.91	<2.5	<0.69	<1.7	**2.4**	<7.2	<0.87	NA	<6.1	<2.1	<20	**0.92**	<24	<0.82	<0.82	<0.72
92557570	SVP-10	08/25/2021	<9.2	**2.10**	<1.0	<1.3	<2.1	<0.78	<6.2	**0.45J**	<0.92	<0.53	**1.0**	**0.74J**	<0.79	<0.91	<2.5	<0.69	<1.7	**2.4**	<7.2	**2.70**	NA	**0.95J**	<2.1	<20	<0.82	**5.1J**	<0.82	<0.82	<0.72
92558811	SVP-10	09/01/2021	<9.2	**0.38**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**0.45J**	**0.58J**	<0.79	<0.91	<2.5	<0.69	<1.7	**2.4**	<7.2	**0.36J**	NA	**0.58J**	<2.1	<20	<0.82	**4.3J**	<0.82	<0.82	<0.72
92560665	SVP-10	09/10/2021	**3.2J**	**0.83J**	<1.0	<1.3	<2.1	<0.78	<6.2	**0.63J**	<0.92	<0.53	**0.53J**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	**2.1**	<7.2	**0.92**	NA	**1.8J**	<2.1	<20	<0.82	**4.8J**	<0.82	<0.82	<0.72
92561604	SVP-10	09/15/2021	**2.6J**	**98**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	<0.98	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	**1.5**	<7.2	**0.64J**	NA	<6.1	<2.1	<20	<0.82	**4.4J**	<0.82	<0.82	<0.72
92562848	SVP-10	09/22/2021	**2.7J**	**1.7**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	**0.39J**	<0.53	**0.59J**	**0.84**	<0.79	<0.91	<2.5	<0.69	<1.7	**2.6**	**22**	**1.7**	NA	**0.98J**	<2.1	<20	<0.82	**5.8J**	<0.82	<0.82	<0.72
92563966	SVP-10	09/29/2021	<9.2	**120**	<1.0	<1.3	<2.1	<0.78	<6.2	**0.43J**	**0.44J**	<0.53	**0.31J**	<0.83	<0.79	<0.91	<2.5	**5.4**	<1.7	**2.9**	<7.2	**5.1**	NA	**0.80J**	<2.1	**18J**	<0.82	**3.9J**	<0.82	<0.82	<0.72
200-57564	SVP-11	03/09/2021	NA	**5.5J**	<10	<13	<21	<7.8	<16	<13	<9.2	<13	**44**	**2.3J**	<7.9	<9.1*+	**7.0J**	**18**	<17	<25	NA	<8.7	<18	<15	<21	**43J**	<20	**9.2J**	<20	<20	<7.2
200-58012	SVP-11	04/08/2021	NA	<13	<21	<27	<41	<16	<31	<25	<18	<26	**15J**	<21	<16	<18	<20	**80**	<34	<49	NA	**6.1J B**	<35	<31	<43	<250	<41	<29	<41	<41	<14
200-58348	SVP-11	05/04/2021	NA	<32	<52	<67	<100	<39	<78	<63	<46	<66	**12J**	<52	<40	<45	<49	**360**	<85	<120	NA	<43	<88	<77	<110	<610	<100	<74	<100	<100	<36
200-58578	SVP-11_E	05/20/2021	NA	**21**	<10	<13	<21	<7.8	**4.4J**	**3.9J**	<9.2	<13	**42**	**13**	<7.9	<9.1	**5.1J**	**41**	<17	**23J**	NA	**9.7**	**90**	**4.7J**	<21	<120	<20	**54**	<20	<20	**3.6J**
92545111	SVP-11	06/02/2021	<4.6	<0.32	<0.52	<0.67	<1.0	<0.39	<3.1	**0.34J**	<0.46	<0.26	**6.90**	<0.41	<0.40	<0.45	<1.2	<0.34	<0.85	<0.49	<3.6	**0.16J**	NA	<3.1	<1.1	<9.8	<0.41	**2.1J**	<0.41	<0.41	<0.36
92545148	SVP-11	06/08/2021	<9.2	**65**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**5.1**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	<0.99	<7.2	**2.0**	NA	<6.1	<2.1	**2000**	<1.6	**6.7J**	<0.82	<0.82	<0.72
92549530	SVP-11	07/17/2021	<4.6	<0.32	<0.52	<0.67	<1.0	<0.39	<3.1	<0.63	<0.46	<0.26	**15**	<0.41	<0.40	<0.45	<1.2	<0.34	<0.85	<0.49	<3.6	<0.43	NA	<3.1	<1.1	<9.8	<0.41	<12	<0.41	<0.41	<0.36
92554702	SVP-11	08/11/2021	<9.2	<0.64	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**5.1**	**1.60**	<0.79	<0.91	<2.5	<0.69	<1.7	**2.4**	<7.2	<0.87	NA	<6.1	<2.1	<20	<0.82	<24	<0.82	<0.82	<0.72
92557570	SVP-11	08/25/2021	<9.2	**2.70**	<1.0	**0.67J**	**0.79J**	<0.78	<6.2	**0.68J**	<0.92	<0.53	**7.3**	<0.83	**0.29J**	<0.91	<2.5	<0.69	**0.68J**	**2.8**	**36**	**3.0**	NA	**1.2J**	<2.1	<20	<0.82	**2.6J**	<0.82	<0.82	**0.36J**
92558811	SVP-11	09/01/2021	<9.2	**0.23J**	<1.0	<1.3	<2.1	<0.78	<6.2	**0.43J**	<0.92	<0.53	**4.2**	**0.78J**	<0.79	<0.91	<2.5	<0.69	<1.7	**2.4**	<7.2	<0.87	NA	**0.61J**	<2.1	<20	**0.56J**	**4.1J**	<0.82	<0.82	<0.72
92560665	SVP-11	09/10/2021	<9.2	**0.91**	<1.0	**0.7J**	**0.87J**	<0.78	<6.2	**0.88J**	<0.92	<0.53	**2.4**	<0.83	**0.38J**	<0.91	<2.5	<0.69	**0.78J**	**2.3**	<7.2	**1.10**	NA	**1.6J**	<2.1	<20	<0.82	**3.2J**	<0.82	<0.82	<0.72
92561604	SVP-11	09/15/2021	<9.2	**0.41J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**1.3**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	**1.7**	<7.2	**0.42J**	NA	<6.1	<2.1	<20	<0.82	**3.1J**	<0.82	<0.82	<0.72
92562848	SVP-11	09/22/2021	<9.2	**0.45J**	<1.0	<1.3	<2.1	<0.78	<6.2	**0.45J**	<0.92	<0.53	**1.2**	**0.47J**	<0.79	<0.91	<2.5	<0.69	<1.7	**2.7**	<7.2	**1.3J**	NA	**0.67J**	<2.1	<20	<0.82	**2.8J**	<0.82	<0.82	<0.72
92563966	SVP-11	09/29/2021	<9.2	**0.69**	<1.0	<1.3	<2.1	<0.78	<6.2	**0.63J**	**0.33J**	<0.53	**0.61J**	**0.77J**	<0.79	<0.91	<2.5	<0.69	<1.7	**2.8**	<7.2	**0.96**	NA	**0.77J**	<2.1	<20	<0.82	**3.0J**	<0.82	<0.82	<0.72
200-57564	SVP-12	03/09/2021	NA	<19	<31	<40	<62	<23	<47	<38	<28	<39	**140**	<31	<24	<27*+	<29	**34**	<51	<74	NA	<26	<53	<46	<64	**52J**	<61	**11J**	<61	<61	<22
200-57564	DUP-1	03/09/2021	NA	<6.4	<10	<13	<21	<7.8	<16	<13	<9.2	<13	**140**	<10	<7.9	<9.1*+	<9.8	**43**	<17	<25	NA	<8.7	<18	<15	<21	**19J**	<20	**2.2J**	<20	<20	<7.2
200-58012	SVP-12	04/08/2021	NA	<4000	<6500	<8400	<13000	<4900	<9700	<7900	<5800	<8300	<6100	<6500	<5000	<5700	<6200	**31000**	<11000	<15000	NA	<5400	<11000	<9600	<13000	<77000	<13000	<9200	<13000	<13000	<4500
200-58348	SVP-12	05/04/2021	NA	<4100	<6600	<8600	<13000	<5000	<10000	<8100	<5900	<8400	<6200	<6600	<5100	<5800	<6300	**39000**	<11000	<16000	NA	<5600	<11000	<9800	<14000	<79000	<13000	<9400	<13000	<13000	<4600
200-58578	SVP-12_E	05/20/2021	NA	<6.4	<10	<13	<21	<7.8	<16	<13	<9.2	<13	**8.9J**	<10	<7.9	<9.1	<9.8	**1.9J**	<17	<25	NA	<8.7	<18	<15	<21	<120	<20	<15	<20	<20	<7.2
92545111	SVP-12	06/02/2021	<4.6	<0.32	<0.52	<0.67	<1.0	<0.39	<3.1	<0.63	<0.46	<0.26	**11**	<0.41	<0.40	<0.45	<1.2	<0.34	<0.85	<0.49	<3.6	<0.43	NA	<3.1	<1.1	**7.8J**	<0.41	**3.9J**	<0.41	<0.41	<0.36
92545148	SVP-12	06/08/2021	<9.2	**0.51J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**4.40**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	<0.99	<7.2	**0.49J**	NA	<6.1	<2.1	<20	<1.6	**4.3J**	<0.82	<0.82	<0.72
92549530	SVP-12	07/14/2021	<4.6	<0.32	<0.52	<0.67	<1.0	<0.39	<3.1	<0.63	<0.46	<0.26	**5.3**	<0.41	<0.40	<0.45	<1.2	<0.34	<0.85	<0.49	<3.6	<0.43	NA	<3.1	<1.1	<9.8	<0.41	<12	<0.41	<0.41	<0.36
92554702	SVP-12	08/11/2021	<9.2	<0.64	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**10**	**1.4**	<0.79	<0.91	<2.5	<0.69	<1.7	**2.3**	<7.2	<0.87	NA	<6.1	<2.1	<20	**1.0**	<24	<0.82	<0.82	<0.72
92557570	SVP-12	08/25/2021	<1400	<96	<160	<200	<310	<120	<930	<190	<140	<79	<150	<120	<120	<140	<370	**15000**	<260	<150	<1100	<130	NA	<920	<320	<2,900	<120	<3,500	<120	<120	<110
92558811	SVP-12	09/01/2021	<92	**620**	<10	<13	<21	<7.8	<62	<13	<9.2	<5.3	<9.8	<8.3	<7.9	<9.1	**44**	**970**	<17	<9.9	<72	**790**	NA	<61	<21	<200	<8.2	<240	<8.2	<8.2	<7.2
92560665	SVP-12	09/10/2021	<92	**3500**	<10	<13	<21	<7.8	<62	<13	<9.2	<5.3	<9.8	<8.3	<7.9	<9.1	**120**	**350**	<17	<9.9	<72	**5600**	NA	<61	<21	<200	<8.2	<240	<8.2	<8.2	<7.2
92561604	SVP-12	09/15/2021	<92	**1300**	<10	<13	<21	<7.8	<62	<13	<9.2	<5.3	<9.8	<8.3	<7.9	<9.1	**19J**	<6.9	<17	<9.9	<72	**1900**	NA	<61	<21	<200	<8.2	<240	<8.2	<8.2	<7.2
92562848	SVP-12	09/22/2021	<9.2	**460**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	**0.64J**	<0.53	**3.1**	**0.70J**	<0.79	<0.91	**2.4J**	**4.6**	<1.7	**2.7**	<7.2	**520**	NA	**0.74J**	<2.1	<20	<1.6	**3.2J**	<0.82	<0.82	<0.72
92563966	SVP-12	09/29/2021	<9.2	**39**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	**0.63J**	<0.53	**3.1**	**0.63J**	<0.79	<0.91	<2.5	**1.2**	<1.7	**2.7**	<7.2	**26**	NA	**0.71J**	<2.1	<20	<1.6	**2.7J**	<0.82	<0.82	<0.72

Table 9
Summary of Soil Vapor Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

			VOCs (µg/m^3)																												
Lab Report Number	**Sample ID**	**Sample Date**	**Acrolein**	**Benzene**	**Benzyl chloride**	**Bromodichloromethane**	**Bromoform**	**Bromomethane**	**Carbon disulfide**	**Carbon tetrachloride**	**Chlorobenzene**	**Chloroethane**	**Chloroform**	**Chloromethane**	**cis-1,2-Dichloroethene**	**cis-1,3-Dichloropropene**	**Isopropylbenzene (Cumene)**	**Cyclohexane**	**Dibromochloromethane**	**Dichlorodifluoromethane (Freon 12)**	**Ethyl Acetate**	**Ethylbenzene**	**Chlorodifluoromethane (Freon 22)**	**1,1,2-Trichloro-1,2,2-trifluoroethane (Freon TF, Freon 113)**	**Hexachlorobutadiene**	**Isopropyl alcohol (Isopropanol)**	**Methyl Butyl Ketone (2-Hexanone)**	**Methyl Ethyl Ketone (2-Butanone)**	**Methyl isobutyl ketone (MIBK)**	**Methyl methacrylate**	**Methyl tert-butyl ether (MTBE)**
Sub-slab and Exterior SGSL			**NE**	**120**	**7**	**25**	**850**	**35**	**4900**	**160**	**350**	**70000**	**41**	**630**	**NE**	**N/A**	**2800**	**42000**	**NE**	**700**	**NE**	**370**	**350000**	**35000**	**43**	**1400**	**210**	**35000**	**21000**	**4900**	**3600**
IASL (A), TCR=1.0E-06 THQ=0.2			**0.0042**	**0.36**	**0.06**	**0.08**	**2.60**	**1.0**	**150**	**0.47**	**10**	**2100**	**0.12**	**19.00**	**NE**	**N/A**	**83.00**	**1300**	**NE**	**21**	**15**	**1.10**	**10000**	**1000**	**0.13**	**42**	**6.30**	**1000**	**630**	**150**	**11**
200-57564	SVP-13	03/09/2021	NA	<26	<42	<54	<83	<31	<63	<51	<37	<53	**220**	<42	<32	<36*+	<40	**120**	<68	<99	NA	<35	<71	<62	<86	<490	<82	<59	<82	<82	<29
200-58012	SVP-13	04/08/2021	NA	<190	<310	<400	<620	<230	<470	<380	<280	<400	<290	<310	<240	<270	<300	**1000**	<510	<750	NA	<260	<530	<460	<640	<3,700	<620	<440	<620	<620	<220
200-58345	SVP-13	05/04/2021	NA	<190	<310	<400	<620	<230	<470	<380	<280	<400	<290	<310	<240	<270	<290	**600**	<510	<740	NA	<260	<530	<460	<640	<3,700	<610	<440	<610	<610	<220
200-58577	SVP-13_E	05/20/2021	NA	<6.4	<10	<13	<21	<7.8	<16	<13	<9.2	<13	<9.8	<10	<7.9	<9.1	<9.8	**4.0J**	<17	<25	NA	<8.7	**17J**	<15	<21	<120	<20	**9.8J**	<20	<20	<7.2
92545110	SVP-13	06/02/2021	<4.6	<0.32	<0.52	<0.67	<1.0	<0.39	<3.1	<0.63	<0.46	<0.26	**3.2**	<0.41	<0.40	<0.45	<1.2	<0.34	<0.85	<0.49	<3.6	<0.43	NA	<3.1	<1.1	**3.0J**	<0.41	**1.5J**	<0.41	<0.41	<0.36
92545146	SVP-13	06/08/2021	<9.2	<0.64	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**2.2**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	<0.99	<7.2	**0.38J**	NA	<6.1	<2.1	<20	<1.6	<24	<0.82	<0.82	<0.72
92549536	SVP-13	07/14/2021	<4.6	<0.32	<0.52	<0.67	<1.0	<0.39	<3.1	<0.63	<0.46	<0.26	**1.4**	<0.41	<0.40	<0.45	<1.2	<0.34	<0.85	<0.49	<3.6	<0.43	NA	<3.1	<1.1	**17**	<0.41	<12	<0.41	<0.41	<0.36
92554696	SVP-13	08/11/2021	<9.2	<0.64	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**2.9**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	**2.4**	<7.2	<0.87	NA	<6.1	<2.1	<20	<0.82	<24	<0.82	<0.82	<0.72
92557574	SVP-13	08/25/2021	<9.2	**0.46J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**2.6**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	**2.7**	**22**	**0.26J**	NA	**1.3J**	<2.1	<20	**1.2**	**3.9J**	<0.82	<0.82	<0.72
92558812	SVP-13	09/01/2021	<9.2	**0.41J**	<1.0	**0.7J**	**1.0J**	**0.65J**	<6.2	**0.91J**	**0.64J**	**0.51J**	**4.2**	**0.40J**	**0.44J**	<0.91	<2.5	<0.69	**0.85J**	**2.7**	<7.2	**0.5J**	NA	**1.5J**	<2.1	**100**	**0.69J**	**2.7J**	**0.61J**	<0.82	**0.46J**
92560663	SVP-13	09/10/2021	<9.2	**1.2**	<1.0	<1.3	<2.1	<0.78	<6.2	**0.4J**	<0.92	<0.53	**3.0**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	**2.2**	<7.2	**1.9**	NA	**3.5J**	<2.1	<20	<0.82	**3.9J**	<0.82	<0.82	<0.72
92561600	SVP-13	09/15/2021	**3.2J**	**1.2**	<1.0	**0.67J**	**0.87J**	<0.78	<6.2	**0.93J**	<0.92	<0.53	**2.0**	<0.83	**0.43J**	<0.91	<2.5	<0.69	**0.72J**	**1.9**	<7.2	**1.7**	NA	**1.3J**	<2.1	<20	<0.82	**4.4J**	<0.82	<0.82	<0.72
92562845	SVP-13	09/22/2021	<9.2	**0.27J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	**0.53J**	<0.53	**1.5**	**0.59J**	<0.79	<0.91	<2.5	<0.69	<1.7	**1.9**	<7.2	**1.1**	NA	<6.1	<2.1	<20	<0.82	**2.3J**	<0.82	<0.82	<0.72
92563962	SVP-13	09/29/2021	<9.2	**1.0**	<1.0	<1.3	<2.1	<0.78	<6.2	**0.48J**	**0.41J**	<0.53	<0.98	**1.4**	<0.79	<0.91	<2.5	<0.69	<1.7	**2.7**	<7.2	**0.90**	NA	**0.77J**	<2.1	<20	<0.82	<24	<0.82	<0.82	<0.72
200-58578	SVP-14_E	05/20/2021	NA	<6.4	<10	<13	<21	<7.8	**16**	<13	<9.2	<13	<9.8	<10	<7.9	<9.1	<9.8	**3.5J**	<17	<25	NA	<8.7	<18	<15	<21	<120	<20	**4.9J**	<20	<20	<7.2
92545111	SVP-14	06/02/2021	<4.6	**1.2**	<0.52	<0.67	<1.0	<0.39	<3.1	<0.63	<0.46	<0.26	**0.99**	<0.41	<0.40	<0.45	<1.2	<0.34	<0.85	<0.49	<3.6	**1.1**	NA	<3.1	<1.1	<9.8	<0.41	<12	<0.41	<0.41	<0.36
92545148	SVP-14	06/08/2021	<9.2	<0.64	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**0.61J**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	<0.99	<7.2	**0.43J**	NA	<6.1	<2.1	<20	<1.6	<24	<0.82	<0.82	<0.72
92549530	SVP-14	07/14/2021	<4.6	<0.32	<0.52	<0.67	<1.0	<0.39	<3.1	<0.63	<0.46	<0.26	<0.49	<0.41	<0.40	<0.45	<1.2	<0.34	<0.85	<0.49	<3.6	<0.43	NA	<3.1	<1.1	<9.8	<0.41	<12	<0.41	<0.41	<0.36
92554702	SVP-14	08/11/2021	<9.2	<0.64	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	<0.98	**1.2**	<0.79	<0.91	<2.5	<0.69	<1.7	**2.3**	<7.2	<0.87	NA	<6.1	<2.1	<20	**1.0**	<24	<0.82	<0.82	<0.72
92557570	SVP-14	08/25/2021	<9.2	**0.22J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**1.0**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	**2.3**	**4.8**	<0.87	NA	**0.55J**	<2.1	<20	<0.82	**2.8J**	<0.82	<0.82	<0.72
92558811	SVP-14	09/01/2021	<9.2	**0.35J**	<1.0	<1.3	<2.1	<0.78	**1.7**	<1.3	<0.92	<0.53	**0.88J**	**0.49J**	<0.79	<0.91	<2.5	**0.74**	<1.7	**2.3**	<7.2	**0.5J**	NA	**0.67J**	<2.1	<20	**0.54J**	**4.3J**	<0.82	<0.82	<0.72
92560665	SVP-14	09/10/2021	<9.2	**0.93**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**0.74J**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	**1.9**	<7.2	**1.5**	NA	<6.1	<2.1	<20	<0.82	**2.6J**	<0.82	<0.82	<0.72
92561604	SVP-14	09/15/2021	<9.2	**0.68**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**0.62J**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	**1.5**	<7.2	**0.96**	NA	<6.1	<2.1	<20	<0.82	**2.6J**	<0.82	<0.82	<0.72
92562848	SVP-14	09/22/2021	**2.7J**	**0.42J**	<1.0	<1.3	<2.1	<0.78	<6.2	**0.48J**	**0.28J**	<0.53	<0.98	**1.7**	<0.79	<0.91	<2.5	<0.69	<1.7	**2.7**	<7.2	**0.73J**	NA	**1.1J**	<2.1	<20	<0.82	**2.1J**	<0.82	<0.82	<0.72
92563966	SVP-14	09/29/2021	<9.2	**0.72**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	**0.39J**	<0.53	**0.88J**	**0.69J**	<0.79	<0.91	<2.5	<0.69	<1.7	**2.9**	<7.2	**0.99**	NA	**0.71J**	<2.1	**5.3J**	<0.82	**3.3J**	<0.82	<0.82	<0.72

Table 9
Summary of Soil Vapor Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

			VOCs (µg/m^3)																												
Lab Report Number	**Sample ID**	**Sample Date**	**Acrolein**	**Benzene**	**Benzyl chloride**	**Bromodichloromethane**	**Bromoform**	**Bromomethane**	**Carbon disulfide**	**Carbon tetrachloride**	**Chlorobenzene**	**Chloroethane**	**Chloroform**	**Chloromethane**	**cis-1,2-Dichloroethene**	**cis-1,3-Dichloropropene**	**Isopropylbenzene (Cumene)**	**Cyclohexane**	**Dibromochloromethane**	**Dichlorodifluoromethane (Freon 12)**	**Ethyl Acetate**	**Ethylbenzene**	**Chlorodifluoromethane (Freon 22)**	**1,1,2-Trichloro-1,2,2-trifluoroethane (Freon TF, Freon 113)**	**Hexachlorobutadiene**	**Isopropyl alcohol (Isopropanol)**	**Methyl Butyl Ketone (2-Hexanone)**	**Methyl Ethyl Ketone (2-Butanone)**	**Methyl isobutyl ketone (MIBK)**	**Methyl methacrylate**	**Methyl tert-butyl ether (MTBE)**
Sub-slab and Exterior SGSL			**NE**	**120**	**7**	**25**	**850**	**35**	**4900**	**160**	**350**	**70000**	**41**	**630**	**NE**	**N/A**	**2800**	**42000**	**NE**	**700**	**NE**	**370**	**350000**	**35000**	**43**	**1400**	**210**	**35000**	**21000**	**4900**	**3600**
IASL (A), TCR=1.0E-06 THQ=0.2			**0.0042**	**0.36**	**0.06**	**0.08**	**2.60**	**1.0**	**150**	**0.47**	**10**	**2100**	**0.12**	**19.00**	**NE**	**N/A**	**83.00**	**1300**	**NE**	**21**	**15**	**1.10**	**10000**	**1000**	**0.13**	**42**	**6.30**	**1000**	**630**	**150**	**11**
200-58578	SVP-15_E	05/20/2021	NA	**2.4J**	<10	<13	<21	<7.8	**14J**	<13	<9.2	<13	<9.8	<10	<7.9	<9.1	<9.8	**2.9J**	<17	<25	NA	<8.7	<18	<15	<21	<120	<20	<15	<20	<20	<7.2
92545111	SVP-15	06/02/2021	<4.6	**0.97**	<0.52	<0.67	<1.0	<0.39	**16**	<0.63	<0.46	<0.26	<0.49	<0.41	<0.40	<0.45	<9.8	<0.69	<0.85	<0.49	<3.6	<0.43	NA	<3.1	<1.1	<9.8	<20	<12	<0.41	<0.41	<0.36
92545148	SVP-15	06/08/2021	<9.2	**14**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	<0.98	<0.83	<0.79	<0.91	**1.8**	**31**	<1.7	<0.99	**620**	**30**	NA	<6.1	<2.1	**140**	<1.6	**33**	<0.82	<0.82	<0.72
92549530	SVP-15	07/14/2021	<4.6	<0.32	<0.52	<0.67	<1.0	<0.39	<3.1	<0.63	<0.46	<0.26	**1.9**	<0.41	<0.40	<0.45	<1.2	<0.34	<0.85	<0.49	<3.6	<0.43	NA	<3.1	<1.1	<9.8	<0.41	<12	<0.41	<0.41	<0.36
92554702	SVP-15	08/11/2021	<9.2	<0.64	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**1.7**	**1.3**	<0.79	<0.91	<2.5	<0.69	<1.7	**2.9**	<7.2	<0.87	NA	<6.1	<2.1	<20	**1.3**	<24	<0.82	<0.82	<0.72
92557570	SVP-15	08/25/2021	<9.2	**0.49J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**1.5**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	<0.99	**9.8**	**0.38J**	NA	**0.86J**	<2.1	<20	<0.82	**3.8J**	<0.82	<0.82	<0.72
92558811	SVP-15	09/01/2021	<9.2	**0.31J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	**0.37J**	<0.53	**1.1**	**0.64J**	<0.79	<0.91	<2.5	<0.69	<1.7	**2.5**	<7.2	**0.24J**	NA	**0.86J**	<2.1	<20	<0.82	**3.4J**	<0.82	<0.82	<0.72
92560665	SVP-15	09/10/2021	**6.4J**	**1.1**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**0.78J**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	**1.9**	<7.2	**1.1**	NA	<6.1	<2.1	<20	<0.82	**6.2J**	<0.82	<0.82	<0.72
92561604	SVP-15	09/15/2021	<9.2	**0.78**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	**0.72J**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	<0.99	<7.2	**0.83J**	NA	<6.1	<2.1	<20	<0.82	**6.4J**	<0.82	<0.82	<0.72
92562848	SVP-15	09/22/2021	<9.2	**0.61J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	**0.79J**	**0.76J**	**1.0**	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	**2.9**	<7.2	**2.4**	NA	**1.2J**	<2.1	<20	<0.82	**5.0J**	<0.82	<0.82	<0.72
92563966	SVP-15	09/29/2021	**3.7J**	**9.7**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	**1.5**	<0.53	**1.1**	**1.0**	<0.79	<0.91	**0.88J**	**4.0**	<1.7	**3.1**	**7.4**	**13**	NA	**0.77J**	<2.1	**7.6J**	<0.82	**6.6J**	<0.82	<0.82	<0.72
92562853	SVP-16	09/22/2021	**4.4J**	**1.2**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	**1.3**	<0.53	**8.0**	**0.98**	<0.79	<0.91	<2.5	**0.76**	<1.7	**2.5**	**7.8**	**2.5**	NA	**0.67J**	<2.1	<20	<0.82	**6.0J**	<0.82	**1.7**	<0.72
92562854	SVP-17	09/22/2021	**2.4J**	**0.37J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	<0.92	<0.53	<0.98	**1.0J**	<0.79	<0.91	<2.5	<0.69	<1.7	**2.8**	<7.2	**0.73J**	NA	**0.92J**	<2.1	**45**	<0.82	**2.5J**	<0.82	<0.82	<0.72
92562850	SVP-18	09/22/2021	<9.2	**0.41J**	<1.0	<1.3	<2.1	<0.78	<6.2	<1.3	**0.61J**	<0.53	<0.98	**0.28J**	<0.79	<0.91	<2.5	<0.69	<1.7	**1.6**	<7.2	**1.1**	NA	<6.1	<2.1	<20	**0.62J**	**3.1J**	<0.82	<0.82	<0.72
92562852	SVP-19	09/22/2021	<9.2	**0.92**	<1.0	<1.3	<2.1	<0.78	**26**	<1.3	**0.57J**	<0.53	**0.25J**	**0.30J**	<0.79	<0.91	<2.5	**0.54J**	<1.7	**1.8**	<7.2	**1.9**	NA	<6.1	<2.1	<20	**0.44J**	**3.0J**	<0.82	<0.82	<0.72
92562858	SVP-20	09/22/2021	**2.3J**	**0.59J**	<1.0	<1.3	<2.1	<0.78	**1.7J**	<1.3	**0.50J**	<0.53	<0.98	<0.83	<0.79	<0.91	<2.5	<0.69	<1.7	**16**	<7.2	**1.3**	NA	**0.67J**	<2.1	**27**	<0.82	**3.2J**	<0.82	<0.82	<0.72
92562859	SVP-21	09/22/2021	**2.5J**	**0.35J**	<1.0	<1.3	<2.1	<0.78	**7.4**	<1.3	**0.29J**	<0.53	**0.35J**	**0.39J**	<0.79	<0.91	<2.5	<0.69	<1.7	**1.8**	**7.2J**	**0.52J**	NA	<6.1	<2.1	**180**	**0.61J**	**3.8J**	<0.82	<0.82	<0.72
92562862	DUP-2	09/22/2021	**3.7J**	**1.3**	<1	<1.3	<2.1	<0.78	**3.8J**	<1.3	**0.41J**	<0.53	**0.37J**	**0.8J**	<0.79	<0.91	<2.5	**5.6**	<1.7	**1.8**	**170**	**0.87**	NA	**0.55J**	<2.1	**12J**	**2.5**	**10J**	**1.1**	<0.82	<0.72
92567100	SVP-22	10/15/2021	**3.7J**	**0.89**	**0.52J**	<1.3	<2.1	<0.78	<6.2	<1.3	**0.98**	<0.53	**0.29J**	**0.5J**	<0.79	<0.91	<2.5	**12**	<1.7	**1.8**	<7.2	**1.60**	NA	**0.58J**	**1.6J**	<20	**1.3**	**2.7J**	**0.43J**	<0.82	<0.72
92563971	AMBIENT	09/29/2021	**3.8J**	**1.8**	<0.52	<0.67	<1.0	<0.39	<3.1	**0.47J**	<0.46	<0.26	**0.28J**	**1.4**	<0.40	<0.45	<2.5	**1.5**	<0.85	**2.8**	**20**	**1.4J**	NA	**0.75J**	<1.1	**9.0J**	**1.1**	**4.6J**	**0.39J**	**0.66**	<0.36

Table 9
Summary of Soil Vapor Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

			VOCs (µg/m^3)																						
Lab Report Number	**Sample ID**	**Sample Date**	**Methylene Chloride**	**Naphthalene**	**n-Butane**	**n-Butylbenzene**	**n-Heptane**	**n-Hexane**	**n-Propylbenzene**	**Propene**	**sec-Butylbenzene**	**Styrene**	**tert-Butyl alcohol**	**tert-Butylbenzene**	**Tetrachloroethene**	**Tetrahydrofuran**	**Toluene**	**trans-1,2-Dichloroethene**	**trans-1,3-Dichloropropene**	**Trichloroethene**	**Trichlorofluoromethane (Freon 11)**	**Vinyl Acetate**	**Vinyl chloride**	**Xylene (total)**	**Xylene, m&p-**	**Xylene, o-**
Sub-slab and Exterior SGSL			**4200**	**21**	**NE**	**NE**	**2800**	**4900**	**7000**	**NE**	**NE**	**7000**	**N/A**	**NE**	**280**	**14000**	**35000**	**NE**	**N/A**	**14**	**NE**	**NE**	**56**	**700**	**700**	**700**
IASL (A), TCR=1.0E-06 THQ=0.2			**100**	**0.08**	**NE**	**NE**	**83**	**150**	**210**	**NE**	**NE**	**210**	**N/A**	**NE**	**8.30**	**420**	**1000**	**NE**	**N/A**	**0.42**	**NE**	**42**	**0.17**	**21**	**21**	**21**
92512003	SV-1	12/15/2020	<6.8	<5.2	NA	NA	NA	NA	<4.8	NA	NA	NA	NA	NA	<1.3	NA	**2.10**	NA	NA	NA	NA	NA	NA	**2**	<3.4	**2**
200-56803	SV-1_E	01/07/2021	<17	<26	**140**	<11	<8.2	<7.0	<9.8	NA	<11	<8.5	<150	<11	<14	<150	<7.5	<7.9	<9.1	<11	<11	NA	<5.1	<30	NA	<8.7
92515439	SV-1-PA	01/07/2021	<5.9	<4.5	NA	<4.7	**1.60**	**3.30**	<4.2	**6.10**	<4.7	<1.5	<5.2	<1.9	<1.2	<1.0	**3.50**	<1.4	<1.6	<0.92	<1.9	<1.2	<0.44	**5.80**	**4.20**	**1.60**
200-57251	SVP-01	02/12/2021	<17	<26	**26**	<11	<8.2	<7.0	<9.8	NA	<11	<8.5	<150	<11	<14	<150	<7.5	<7.9		<11	<11	NA	<5.1	<30	<22	<8.7
200-57564	SVP-01	03/09/2021	<17	<26	**17**	<11	**38**	**120**	<9.8	NA	<11	<8.5	<150	<11	<14	<150	<7.5	<7.9	<9.1	<11	<11	NA	<5.1	**4.8J**	**4.6J**	<8.7
200-58012	SVP-01	04/08/2021	<17	<26	**110**	<11	<8.2	<7.0	<9.8	NA	<11	<8.5	<150	<11	<14	<150	<7.5	<7.9	<9.1	<11	<11	NA	<5.1	**2.6J**	<22	**2.6J**
200-58344	SVP-01	05/04/2021	<17	<26	**410**	<11	<8.2	<18	<9.8	NA	<11	<8.5	<150	<11	<14	<150	<7.5	<7.9	<9.1	<11	<11	NA	<5.1	<30	<22	<8.7
200-58576	SVP-01_E	05/20/2021	<17	<26	**5.0J**	<11	<8.2	<18	<9.8	NA	<11	<8.5	<150	<11	**6.9J**	<150	<7.5	<7.9	<9.1	<11	<11	NA	<5.1	<30	<22	<8.7
92540103	SVP-01-PA	05/20/2021	<3.5	<0.52	NA	<1.6	<0.41	<14	<1.2	<6.9	<1.3	<0.43	<1.2	<1.3	<0.68	<2.9	**11**	<0.40	<0.45	<0.54	<2.2	<7.0	<0.26	**1.93**	**1.30**	**0.63**
92541930	SVP-01	06/02/2021	**1.7J**	**1.90**	NA	<1.6	<0.41	<14	<1.2	<6.9	<1.3	**1.10**	<1.2	<1.3	**1.40**	<2.9	**1.3**	<0.40	<0.45	**0.84**	**1.7J**	<7.0	<0.26	**3.40**	**2.30**	**1.10**
92543128	SVP-01	06/08/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**1.8**	<0.79	<0.91	<1.1	<4.5	<14	<0.51	**2.14J**	**1.5J**	**0.64J**
92549534	SVP-01	07/14/2021	<3.5	<0.52	NA	<1.6	<0.41	<14	<1.2	<6.9	<1.3	<0.43	<1.2	<1.3	<0.68	<2.9	**1.8**	<0.40	<0.45	<0.54	<2.2	<7.0	<0.26	**0.98**	**0.98**	<0.43
92552703	SVP-01	08/11/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**0.84**	<0.79	<0.91	<1.1	<4.5	<14	<0.51	<2.57	<1.7	<0.87
92557565	SVP-01	08/25/2021	**1.9J**	**1.10**	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	**0.41J**	<2.5	**3.00**	**0.43J**	<5.9	**1.4**	<0.79	<0.91	<1.1	**1.6J**	<14	<0.51	**1.04J**	**0.68J**	**0.36J**
92558814	SVP-01	09/01/2021	<6.9	**0.86J**	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	**0.49J**	<2.5	<2.5	**0.62J**	<5.9	**1.0**	**0.3J**	<0.91	<1.1	**1.8J**	**2.1J**	**0.27J**	**0.5J**	**1.0J**	**0.5J**
92560656	SVP-01	09/10/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**2.2**	<0.79	<0.91	<1.1	**1.3J**	<14	<0.51	**1.93J**	**1.5J**	**0.43J**
92561599	SVP-01	09/15/2021	**2.3J**	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**1.7**	<0.79	<0.91	<1.1	**1.1J**	<14	<0.51	**3.29**	**2.4**	**0.89**
92562843	SVP-01	09/22/2021	<6.9	**0.71J**	NA	<3.2	**0.41J**	<28	<2.5	**1.7J**	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**4.3**	<0.79	<0.91	<1.1	**1.2J**	**4.5J**	<0.51	**4.9**	**3.6**	**1.3**
92563968	SVP-01	09/29/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**2.6**	<0.79	<0.91	<1.1	**1.7J**	**2.4J**	<0.51	**2.95**	**2.1**	**0.85J**
92512003	SV-2	12/15/2020	<6.8	<5.2	NA	NA	NA	NA	<4.8	NA	NA	NA	NA	NA	<1.3	NA	<1.5	NA	NA	NA	NA	NA	NA	<5.1	<3.4	<1.7
200-56803	SV-2_E	01/07/2021	<17	<26	**8.3J**	<11	<8.2	<7.0	<9.8	NA	<11	<8.5	<150	<11	<14	<150	<7.5	<7.9	<9.1	**5.5J**	<11	NA	<5.1	<30	NA	<8.7
92515439	SV-2-PA	01/07/2021	<6.5	<4.9	NA	<5.1	<1.5	<1.3	<4.6	<0.64	<5.1	<1.6	<5.6	<2.0	<1.3	<1.1	**2.0**	<1.5	<1.7	<1.0	<2.1	<1.3	<0.48	<4.8	<3.2	<1.6
200-57251	SVP-02	02/12/2021	<17	<26	**1400E**	<11	<8.2	<7.0	<9.8	NA	<11	<8.5	<150	<11	<14	<150	<7.5	<7.9	<9.1	<11	<11	NA	<5.1	<30	<22	<8.7
200-57564	SVP-02	03/09/2021	<17	<26	**260**	<11	<8.2	<7	<9.8	NA	<11	<8.5	<150	<11	<14	<150	<7.5	<7.9	<9.1	<11	<11	NA	<5.1	**5.2J**	**5.2J**	<8.7
200-58012	SVP-02	04/08/2021	<17	<26	**130**	<11	<8.2	<7.0	<9.8	NA	<11	<8.5	<150	<11	<14	<150	<7.5	<7.9	<9.1	<11	<11	NA	<5.1	**2.6J**	<22	**2.6J**
200-58344	SVP-02	05/04/2021	<17	<26	**51**	<11	<8.2	<18	<9.8	NA	<11	<8.5	<150	<11	<14	<150	<7.5	<7.9	<9.1	<11	<11	NA	<5.1	<30	<22	<8.7
200-58576	SVP-02_E	05/20/2021	<17	<26	**14**	<11	<8.2	<18	<9.8	NA	<11	<8.5	<150	<11	<14	<150	<7.5	<7.9	<9.1	<11	<11	NA	<5.1	<30	<22	<8.7
92540103	SVP-02-PA	05/20/2021	<3.5	<0.52	NA	<1.6	<0.41	<14	<1.2	<6.9	<1.3	<0.43	<1.2	<1.3	<0.68	<2.9	**2.4**	<0.40	<0.45	<0.54	<2.2	<7.0	<0.26	**1.41**	**0.95**	**0.46**
92541930	SVP-02	06/02/2021	**1.8J**	<0.52	NA	<1.6	<0.41	<14	<1.2	<6.9	<1.3	**0.42J**	<1.2	<1.3	**0.54J**	<2.9	**5.7**	<0.40	<0.45	<0.54	**1.3J**	<7.0	<0.26	**1.98**	**1.4**	**0.58**
92543128	SVP-02	06/08/2021	<6.9	**0.73J**	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	**1.30**	<2.5	<2.5	<1.4	<5.9	**7.7**	<0.79	<0.91	<1.1	<4.5	<14	<0.51	**4.50**	**2.9**	**1.6**
92549534	SVP-02	07/14/2021	<3.5	<0.52	NA	<1.6	<0.41	<14	<1.2	<6.9	<1.3	<0.43	<1.2	<1.3	<0.68	<2.9	**1.2**	<0.40	<0.45	<0.54	<2.2	<7.0	<0.26	<1.30	<0.87	<0.43
92552703	SVP-02	08/11/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**1.3**	<0.79	<0.91	<1.1	<4.5	<14	<0.51	<2.57	<1.7	<0.87
92557565	SVP-02	08/25/2021	<6.9	**2.60**	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	**0.48J**	<2.5	**3.20**	**0.54J**	<5.9	**2.5**	<0.79	<0.91	**34**	**2.0J**	<14	<0.51	**2.45**	**1.7J**	**0.75**
92558814	SVP-02	09/01/2021	**6.8J**	**0.84J**	NA	<3.2	**0.44J**	**4.5J**	<2.5	<14	<2.5	**0.44J**	<2.5	<2.5	**0.81J**	<5.9	**0.95**	**0.33J**	**0.33J**	**0.49J**	**1.8J**	**2.8J**	**0.21J**	**1.41J**	**0.92J**	**0.49J**
92560656	SVP-02	09/10/2021	**14**	**9.50**	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	**0.31J**	<2.5	<2.5	**0.54J**	<5.9	**3.5**	<0.79	<0.91	**1.60**	**1.4J**	<14	<0.51	**6.70**	**4.9**	**1.80**
92561599	SVP-02	09/15/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**1.8**	<0.79	<0.91	<1.1	**2.0J**	<14	<0.51	**2.93**	**2.1**	**0.83J**
92562843	SVP-02	09/22/2021	**2.2J**	**0.78J**	NA	<3.2	<0.82	<28	<2.5	**1.3J**	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**4.4**	<0.79	<0.91	<1.1	**1.5J**	**4.3J**	<0.51	**5.6**	**4.1**	**1.5**
92563968	SVP-02	09/29/2021	<6.9	<1.0	NA	<3.2	**2.0**	**3.3J**	<2.5	**3.2J**	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**8.8**	<0.79	<0.91	<1.1	**1.6J**	**9.3J**	<0.51	**6.3**	**4.5**	**1.8**

Table 9
Summary of Soil Vapor Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

			VOCs (µg/m^3)																						
Lab Report Number	**Sample ID**	**Sample Date**	**Methylene Chloride**	**Naphthalene**	**n-Butane**	**n-Butylbenzene**	**n-Heptane**	**n-Hexane**	**n-Propylbenzene**	**Propene**	**sec-Butylbenzene**	**Styrene**	**tert-Butyl alcohol**	**tert-Butylbenzene**	**Tetrachloroethene**	**Tetrahydrofuran**	**Toluene**	**trans-1,2-Dichloroethene**	**trans-1,3-Dichloropropene**	**Trichloroethene**	**Trichlorofluoromethane (Freon 11)**	**Vinyl Acetate**	**Vinyl chloride**	**Xylene (total)**	**Xylene, m&p-**	**Xylene, o-**
Sub-slab and Exterior SGSL			**4200**	**21**	**NE**	**NE**	**2800**	**4900**	**7000**	**NE**	**NE**	**7000**	**N/A**	**NE**	**280**	**14000**	**35000**	**NE**	**N/A**	**14**	**NE**	**NE**	**56**	**700**	**700**	**700**
IASL (A), TCR=1.0E-06 THQ=0.2			**100**	**0.08**	**NE**	**NE**	**83**	**150**	**210**	**NE**	**NE**	**210**	**N/A**	**NE**	**8.30**	**420**	**1000**	**NE**	**N/A**	**0.42**	**NE**	**42**	**0.17**	**21**	**21**	**21**
92512003	SV-3	12/15/2020	<6.5	<4.9	NA	NA	NA	NA	<4.6	NA	NA	NA	NA	NA	<1.3	NA	<1.4	NA	NA	NA	NA	NA	NA	<4.8	<3.2	<1.6
200-56803	SV-3_E	01/07/2021	<17	<26	<12	<11	<8.2	<7.0	<9.8	NA	<11	<8.5	<150	<11	<14	<150	<7.5	<7.9	<9.1	**6.3J**	<11	NA	<5.1	<30	NA	<8.7
92515439	SV-3-PA	01/07/2021	<6.7	<5.1	NA	<5.3	**1.80**	**6.40**	<4.8	**1.50**	<5.3	<1.6	<5.9	<2.1	<1.3	<1.1	**4.40**	<1.5	<1.8	<1.0	<2.2	<1.4	<0.49	**7.00**	**5.20**	**1.80**
200-57251	SVP-03	02/12/2021	<17	<26	**190**	<11	<8.2	<7.0	<9.8	NA	<11	<8.5	<150	<11	<14	<150	<7.5	<7.9		<11	<11	NA	<5.1	<30	<22	<8.7
200-57564	SVP-03	03/09/2021	<17	<26	**220**	<11	<8.2	<7	<9.8	NA	<11	<8.5	<150	<11	<14	<150	**5.5J**	<7.9	<9.1	<11	<11	NA	<5.1	<30	<22	<8.7
200-58012	SVP-03	04/08/2021	<35	<52	**930**	<22	<16	<14	<20	NA	<22	<17	<300	<22	<27	<290	<15	<16	<18	<21	<22	NA	<10	**5.6J**	<43	**5.7J**
200-58344	SVP-03	05/04/2021	<17	<26	**890**	<11	**6.4J**	**44**	<9.8	NA	<11	<8.5	<150	<11	<14	<150	**4.2J**	<7.9	<9.1	<11	<11	NA	<5.1	<30	<22	<8.7
200-58576	SVP-03_E	05/20/2021	<89	<130	**1300**	<56	<42	<90	<50	NA	<56	<43	<770	<56	<69	<750	<38	<40	<46	<55	<57	NA	<26	<160	<110	<44
92540103	SVP-03-PA	05/20/2021	<3.5	**0.77**	NA	<1.6	<0.41	**1.5J**	<1.2	<6.9	<1.3	<0.43	<1.2	<1.3	<0.68	<2.9	**1.0**	<0.40	<0.45	<0.54	<2.2	<7.0	<0.26	**1.56**	**1.10**	**0.46**
92541930	SVP-03	06/02/2021	**1.9J**	<0.52	NA	<1.6	<0.41	<14	<1.2	<6.0	<1.3	<0.43	<1.2	<1.3	**0.56J**	<2.9	**23**	<0.40	<0.45	<0.54	**1.4J**	<7.0	<0.26	**1.59**	**1.10**	**0.49**
92543128	SVP-03	06/08/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	**0.61J**	<2.5	<2.5	<1.4	<5.9	**6.7**	<0.79	<0.91	**0.95J**	<4.5	<14	<0.51	**4.40**	**3.0**	**1.40**
92549534	SVP-03	07/14/2021	<3.5	<0.52	NA	<1.6	<0.41	<14	<1.2	<6.9	<1.3	<0.43	<1.2	<1.3	<0.68	<2.9	**0.47**	<0.40	<0.45	<0.54	<2.2	<7.0	<0.26	<1.30	<0.87	<0.43
92552703	SVP-03	08/11/2021	**9.70**	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**3.0**	<0.79	<0.91	<1.1	<4.5	<14	<0.51	<2.57	<1.7	<0.87
92557565	SVP-03	08/25/2021	<6.9	**1.70**	NA	<3.2	<0.82	**2.3J**	<2.5	<14	<2.5	**0.44J**	<2.5	**3.10**	**0.41J**	<5.9	**1.5**	<0.79	<0.91	<1.1	**1.6J**	<14	<0.51	**1.43J**	**1.0J**	**0.43J**
92558814	SVP-03	09/01/2021	<6.9	**0.8J**	NA	<3.2	<0.82	<28	<2.5	**1.6J**	<2.5	**0.46J**	<2.5	<2.5	**0.62J**	<5.9	**0.72J**	<0.79	<0.91	<1.1	**1.8J**	**7.1J**	<0.51	**0.99J**	**0.66J**	**0.33J**
92560656	SVP-03	09/10/2021	**4.2J**	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	**0.6J**	<5.9	**3.2**	<0.79	<0.91	<1.1	**2.2J**	<14	<0.51	**3.79**	**2.8**	**0.99**
92561599	SVP-03	09/15/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	**0.57J**	<5.9	**1.3**	<0.79	<0.91	**2.7**	**1.2J**	<14	<0.51	**2.72**	**1.9**	**0.82J**
92562843	SVP-03	09/22/2021	**2.2J**	**0.69J**	NA	<3.2	**1.3**	<28	<2.5	**2.5J**	<2.5	**0.39J**	**1.2J**	<2.5	<1.4	**4.6J**	**16**	<0.79	<0.91	<1.1	**1.1J**	**5.6J**	<0.51	**12.9**	**9.9**	**3.0J**
92563968	SVP-03	09/29/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**3.3**	<0.79	<0.91	<1.1	**1.2J**	<14	<0.51	**3.7**	**2.7**	**1.0**

Table 9
Summary of Soil Vapor Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

			VOCs (µg/m^3)																					
Lab Report Number	**Sample ID**	**Sample Date**	**Methylene Chloride**	**Naphthalene**	**n-Butane**	**n-Butylbenzene**	**n-Heptane**	**n-Hexane**	**n-Propylbenzene**	**Propene**	**sec-Butylbenzene**	**Styrene**	**tert-Butyl alcohol**	**tert-Butylbenzene**	**Tetrachloroethene**	**Tetrahydrofuran**	**Toluene**	**trans-1,2-Dichloroethene**	**trans-1,3-Dichloropropene**	**Trichloroethene**	**Trichlorofluoromethane (Freon 11)**	**Vinyl Acetate**	**Vinyl chloride**	**Xylene (total)**	**Xylene, m&p-**	**Xylene, o-**
Sub-slab and Exterior SGSL			**4200**	**21**	**NE**	**NE**	**2800**	**4900**	**7000**	**NE**	**NE**	**7000**	**N/A**	**NE**	**280**	**14000**	**35000**	**NE**	**N/A**	**14**	**NE**	**NE**	**56**	**700**	**700**	**700**
IASL (A), TCR=1.0E-06 THQ=0.2			**100**	**0.08**	**NE**	**NE**	**83**	**150**	**210**	**NE**	**NE**	**210**	**N/A**	**NE**	**8.30**	**420**	**1000**	**NE**	**N/A**	**0.42**	**NE**	**42**	**0.17**	**21**	**21**	**21**
200-57564	SVP-04	03/09/2021	<17	<26	<12	<11	<8.2	<7	<9.8	NA	<11	<8.5	<150	<11	<14	<150	<7.5	<7.9	<9.1	<11	<11	NA	<5.1	<30	<22	<8.7
200-58012	SVP-04	04/08/2021	<17	<26	**92**	<11	<8.2	<7.0	<9.8	NA	<11	<8.5	<150	<11	<14	<150	<7.5	<7.9	<9.1	<11	<11	NA	<5.1	**2.8J**	<22	**2.8J**
200-58344	SVP-04	05/04/2021	<17	<26	**59**	<11	<8.2	<18	<9.8	NA	<11	<8.5	<150	<11	<14	<150	**3.9J**	<7.9	<9.1	<11	<11	NA	<5.1	<30	<22	**4.4J**
200-58344	DUP-1*	05/04/2021	<87	<130	**7400E**	<55	**280**	**1800**	<49	NA	<55	<43	<760	<55	<68	<740	**18J**	<40	<45	<54	<56	NA	<26	<150	<110	<43
200-58576	SVP-04_E	05/20/2021	<17	<26	**22**	<11	<8.2	<18	<9.8	NA	<11	<8.5	<150	<11	**6.3J**	<150	<7.5	<7.9	<9.1	<11	<11	NA	<5.1	<30	<22	<8.7
200-58576	DUP-1_E	05/20/2021	<17	<26	<12	<11	<8.2	<18	<9.8	NA	<11	<8.5	<150	<11	<14	<150	<7.5	<7.9	<9.1	<11	<11	NA	<5.1	<30	<22	<8.7
92540103	SVP-04-PA	05/20/2021	<3.5	<0.52	NA	<1.6	<0.41	<14	<1.2	<6.9	<1.3	<0.43	<1.2	<1.3	<0.68	<2.9	**0.98**	<0.40	<0.45	<0.54	**1.1J**	<7.0	<0.26	**0.69J**	**0.69J**	<0.43
92540106	DUP-1-PA	05/20/2021	<3.5	<0.52	NA	<1.6	<0.41	<14	<1.2	<6.9	<1.3	<0.43	<1.2	<1.3	<0.68	<2.9	**1.10**	<0.40	<0.45	<0.54	**1.2J**	<7.0	<0.26	**0.68J**	**0.68J**	<0.43
92541930	SVP-04	06/02/2021	**3.3J**	<0.52	NA	<1.6	<0.41	<14	<1.2	<6.9	<1.3	<0.43	<1.2	<1.3	<0.68	<2.9	**1.40**	<0.40	<0.45	**3.70**	**1.6J**	<7.0	<0.26	**0.36J**	<0.87	**0.36J**
92545112	DUP-1	06/02/2021	**1.2J**	<0.52	NA	<1.6	<0.41	<14	<1.2	<6.9	<1.3	**0.3J**	<1.2	<1.3	**0.3J**	<2.9	**6.30**	<0.40	<0.45	<0.54	**1.5J**	<7.0	<0.26	**1.41J**	**0.99**	**0.42J**
92543128	SVP-04	06/08/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**0.66J**	<0.79	<0.91	<1.1	<4.5	<14	<0.51	<2.57	<1.7	<0.87
92545150	DUP-1	06/08/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**3.20**	<0.79	<0.91	<1.1	<4.5	<14	<0.51	**8.90**	**6.0**	**2.90**
92549534	SVP-04	07/14/2021	<3.5	<0.52	NA	<1.6	<0.41	<14	<1.2	<6.9	<1.3	<0.43	<1.2	<1.3	<0.68	<2.9	**1.30**	<0.40	<0.45	<0.54	<2.2	<7.0	<0.26	**1.43**	**0.96**	**0.47**
92549538	DUP-1	07/14/2021	<3.5	<0.52	NA	<1.6	<0.41	<14	<1.2	<6.9	<1.3	<0.43	<1.2	<1.3	<0.68	<2.9	**1.10**	<0.40	<0.45	<0.54	<2.2	<7.0	<0.26	<1.30	<0.87	<0.43
92552703	SVP-04	08/11/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	<0.75	<0.79	<0.91	<1.1	<4.5	<14	<0.51	<2.57	<1.7	<0.87
92554699	DUP-1	08/11/2021	<6.9	**1.50**	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	**0.89**	<2.5	<2.5	**1.60**	<5.9	**1.30**	**0.84**	<0.91	**1.60**	<4.5	<14	**0.75**	**3.20**	**2.20**	**1.0**
92557565	SVP-04	08/25/2021	**2.4J**	**1.20**	NA	<3.2	**0.98**	**5.9J**	<2.5	<14	<2.5	**0.41J**	<2.5	**2.50**	**0.92J**	<5.9	**1.1**	<0.79	<0.91	<1.1	**2.0J**	<14	<0.51	**1.66J**	**1.3J**	**0.36J**
92557585	DUP-1	08/25/2021	<6.9	<1.0	NA	**0.77J**	<0.82	<28	<2.5	<14	<2.5	**0.29J**	<2.5	**2.3J**	<1.4	<5.9	**0.83**	<0.79	<0.91	<1.1	**1.4J**	**3.7J**	<0.51	<2.57	<1.7	<0.87
92558814	SVP-04	09/01/2021	<6.9	**1.30**	NA	<3.2	**0.92**	<28	<2.5	**1.6J**	<2.5	**0.7J**	<2.5	<2.5	**0.68J**	<5.9	**9.7**	<0.79	<0.91	<1.1	**1.8J**	**3.1J**	**0.27J**	**2.11J**	**1.5J**	**0.61J**
92558813	DUP-1	09/01/2021	<6.9	**0.69J**	NA	<3.2	**1.20**	<28	<2.5	<14	<2.5	**1.20**	<2.5	<2.5	**0.71J**	<5.9	**12**	<0.79	<0.91	**0.64J**	**1.7J**	**2.2J**	**0.21J**	**2.36J**	**1.7J**	**0.66J**
92560656	SVP-04	09/10/2021	**90**	**0.92J**	NA	<3.2	<0.82	**21J**	<2.5	<14	<2.5	<0.85	<2.5	<2.5	**0.49J**	<5.9	**1.4**	<0.79	<0.91	<1.1	**1.6J**	<14	<0.51	**1.65J**	**1.2J**	**0.45J**
92560652	DUP-1	09/10/2021	**73**	**1.60**	NA	<3.2	<0.82	**17J**	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**1.5**	<0.79	<0.91	<1.1	**1.3J**	<14	<0.51	**2.16J**	**1.6J**	**0.56J**
92561599	SVP-04	09/15/2021	<6.9	**0.84J**	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	**0.73J**	<5.9	**1.5**	<0.79	<0.91	<1.1	**1.2J**	<14	<0.51	**2.03J**	**1.4J**	**0.63J**
92561605	DUP-1	09/15/2021	**1.8J**	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	**0.49J**	<2.5	<2.5	**1.0J**	<5.9	**1.4**	**0.30J**	**0.47J**	**0.90J**	**1.4J**	<14	<0.51	**2.50**	**1.7**	**0.80J**
92562843	SVP-04	09/22/2021	<6.9	**1.0J**	NA	<3.2	**0.98**	<28	<2.5	**1.6J**	<2.5	**0.53J**	<2.5	<2.5	**1.4**	<5.9	**2.7**	**0.48J**	**0.44J**	**0.73J**	**1.8J**	**2.8J**	**0.34J**	**4.1**	**2.9**	**1.2**
92562861	DUP-1	09/22/2021	<6.9	<1.0	NA	<3.2	**0.52J**	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**1.9**	<0.79	<0.91	<1.1	**1.3J**	**1.5J**	<0.51	**2.9**	**2.0**	**0.90**
92563968	SVP-04	09/29/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**3.0**	<0.79	<0.91	<1.1	**1.5J**	**1.8J**	<0.51	**3.49**	**2.5**	**0.99**
92563967	DUP-1	09/29/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**3.2**	<0.79	<0.91	<1.1	**1.3J**	**1.6J**	<0.51	**3.8**	**2.7**	**1.1**

Table 9
Summary of Soil Vapor Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

			VOCs (µg/m^3)																					
Lab Report Number	**Sample ID**	**Sample Date**	**Methylene Chloride**	**Naphthalene**	**n-Butane**	**n-Butylbenzene**	**n-Heptane**	**n-Hexane**	**n-Propylbenzene**	**Propene**	**sec-Butylbenzene**	**Styrene**	**tert-Butyl alcohol**	**tert-Butylbenzene**	**Tetrachloroethene**	**Tetrahydrofuran**	**Toluene**	**trans-1,2-Dichloroethene**	**trans-1,3-Dichloropropene**	**Trichloroethene**	**Trichlorofluoromethane (Freon 11)**	**Vinyl Acetate**	**Vinyl chloride**	**Xylene (total)**	**Xylene, m&p-**	**Xylene, o-**
Sub-slab and Exterior SGSL			**4200**	**21**	**NE**	**NE**	**2800**	**4900**	**7000**	**NE**	**NE**	**7000**	**N/A**	**NE**	**280**	**14000**	**35000**	**NE**	**N/A**	**14**	**NE**	**NE**	**56**	**700**	**700**	**700**
IASL (A), TCR=1.0E-06 THQ=0.2			**100**	**0.08**	**NE**	**NE**	**83**	**150**	**210**	**NE**	**NE**	**210**	**N/A**	**NE**	**8.30**	**420**	**1000**	**NE**	**N/A**	**0.42**	**NE**	**42**	**0.17**	**21**	**21**	**21**
200-57564	SVP-05	03/09/2021	<17	<26	**46**	<11	<8.2	<7	<9.8	NA	<11	<8.5	<150	<11	<14	<150	<7.5	<7.9	<9.1	<11	<11	NA	<5.1	<30	<22	<8.7
200-58012	SVP-05	04/08/2021	<17	<26	**6.9J**	<11	<8.2	<7.0	<9.8	NA	<11	<8.5	<150	<11	<14	<150	<7.5	<7.9	<9.1	<11	<11	NA	<5.1	**3.1J**	<22	**3.1J**
200-58345	SVP-05	05/04/2021	<17	<26	**11J**	<11	<8.2	<18	<9.8	NA	<11	<8.5	<150	<11	<14	<150	<7.5	<7.9	<9.1	<11	<11	NA	<5.1	<30	<22	<8.7
200-58577	SVP-05_E	05/20/2021	<17	<26	<12	<11	<8.2	<18	<9.8	NA	<11	<8.5	<150	<11	<14	<150	<7.5	<7.9	<9.1	<11	<11	NA	<5.1	<30	<22	<8.7
92540107	SVP-05-PA	05/20/2021	<3.5	<0.52	NA	<1.6	<0.41	<14	<1.2	<6.9	<1.3	<0.43	<1.2	<1.3	<0.68	<2.9	**1.10**	<0.40	<0.45	<0.54	**1.3J**	<7.0	<0.26	**1.13J**	**0.76J**	**0.37J**
92545110	SVP-05	06/02/2021	<3.5	<0.52	NA	<1.6	<0.41	<14	<1.2	<6.9	<1.3	<0.43	<1.2	<1.3	**0.66J**	<2.9	**3.10**	<0.40	<0.45	<0.54	**1.5J**	<7.0	<0.26	**0.9J**	**0.62J**	**0.28J**
92545146	SVP-05	06/08/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	**0.54J**	<5.9	**3.0**	<0.79	<0.91	<1.1	**1.5J**	<14	<0.51	**2.73J**	**2.00**	**0.73J**
92549536	SVP-05	07/14/2021	<3.5	<0.52	NA	<1.6	<0.41	<14	<1.2	<6.9	<1.3	<0.43	<1.2	<1.3	<0.68	<2.9	**0.93**	<0.40	<0.45	<0.54	<2.2	<7.0	<0.26	**0.90**	**0.90**	<0.43
92554696	SVP-05	08/11/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	<0.75	<0.79	<0.91	<1.1	<4.5	<14	<0.51	<2.57	<1.7	<0.87
92557574	SVP-05	08/25/2021	<69	<10	NA	<32	**1700**	**6900**	<25	<140	<25	<8.5	<25	<25	<14	<59	<7.5	<7.9	<9.1	<11	<45	<140	<5.1	**24**	**24**	<8.7
92558812	SVP-05	09/01/2021	<6.9	**0.78**	NA	<3.2	**0.34**	<28	<2.5	<14	<2.5	**0.31J**	<2.5	<2.5	**1.0J**	<5.9	**1.1**	<0.79	<0.91	<1.1	**1.8J**	**2.5J**	<0.51	**1.06J**	**0.71J**	**0.35J**
92560663	SVP-05	09/10/2021	**6.9J**	**1.20**	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	**0.79J**	<5.9	**3.3**	<0.79	<0.91	<1.1	**2.8J**	<14	<0.51	**3.50**	**2.60**	**0.90**
92561600	SVP-05	09/15/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	**0.54J**	<5.9	**2.2**	<0.79	<0.91	<1.1	**0.99J**	<14	<0.51	**2.78**	**2.0**	**0.78J**
92562845	SVP-05	09/22/2021	**2.8J**	**0.88J**	NA	<3.2	**0.48J**	<28	<2.5	**1.7J**	<2.5	<0.85	<2.5	<2.5	**0.54J**	<5.9	**5.1**	<0.79	<0.91	<1.1	**1.7J**	**6.0J**	<0.51	**4.7**	**3.5**	**1.2**
92563962	SVP-05	09/29/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	**0.27J**	<2.5	<2.5	**0.92J**	<5.9	**4.7**	<0.79	<0.91	<1.1	**1.7J**	**4.1J**	<0.51	**5.1**	**3.7**	**1.4**
200-57627	SVP-06	03/12/2021	<17	<26	**140**	<11	**34**	**75**	<9.8	NA	<11	<8.5	<150	<11	**21**	<150	**73**	<7.9	<9.1	**0.54**	<11	NA	<5.1	**160**	**120**	**40**
200-58012	SVP-06	04/08/2021	<17	<26	**120**	<11	**7.2J**	**18**	<9.8	NA	<11	<8.5	<150	<11	**17B**	<150	**12**	<7.9	<9.1	<11	<11	NA	<5.1	**26J**	**17J**	**9.30**
200-58345	SVP-06	05/04/2021	<17	<26	**62**	<11	<8.2	<18	<9.8	NA	<11	<8.5	<150	<11	**37**	<150	<7.5	<7.9	<9.1	<11	<11	NA	<5.1	<30	<22	<8.7
200-58577	SVP-06_E	05/20/2021	<17	<26	**21**	<11	<8.2	<18	<9.8	NA	<11	<8.5	<150	<11	**39**	<150	<7.5	<7.9	<9.1	<11	<11	NA	<5.1	<30	<22	<8.7
92545110	SVP-06	06/02/2021	**1.7J**	<0.52	NA	<1.6	<0.41	<14	<1.2	<6.9	<1.3	<0.43	<1.2	<1.3	**39**	<2.9	**2.4**	<0.40	<0.45	<0.54	**1.5J**	<7.0	<0.26	**1.53**	**1.10**	**0.43J**
92545146	SVP-06	06/08/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	**1.50**	<2.5	<2.5	**37**	**3.9J**	**38**	<0.79	<0.91	<1.1	<4.5	<14	<0.51	**9.30**	**6.50**	**2.80**
92549536	SVP-06	07/14/2021	<3.5	<0.52	NA	<1.6	<0.41	<14	<1.2	<6.9	<1.3	<0.43	<1.2	<1.3	**43**	<2.9	**0.99**	<0.40	<0.45	<0.54	**2.50**	<7.0	<0.26	<1.30	<0.87	<0.43
92554696	SVP-06	08/11/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	**64**	<5.9	**0.77**	<0.79	<0.91	<1.1	<4.5	<14	<0.51	<2.57	<1.7	<0.87
92557574	SVP-06	08/25/2021	**1.8J**	**0.9J**	NA	<3.2	<0.82	**3.6J**	<2.5	<14	<2.5	**0.39J**	<2.5	**3.10**	**67**	<5.9	**1.3**	<0.79	<0.91	<1.1	**2.4J**	<14	<0.51	**0.89J**	**0.54J**	**0.35J**
92558812	SVP-06	09/01/2021	**2.1J**	**0.9J**	NA	<3.2	**0.51J**	<28	<2.5	<14	<2.5	**0.7J**	<2.5	<2.5	**29**	<5.9	**45**	<0.79	<0.91	**0.47J**	**2.0J**	**6.7J**	**0.2J**	**45**	**31**	**14**
92560663	SVP-06	09/10/2021	**74**	**0.88J**	NA	<3.2	<0.82	**18J**	<2.5	<14	<2.5	**0.27J**	<2.5	<2.5	**38**	<5.9	**2.5**	<0.79	<0.91	**0.41J**	**1.6J**	<14	<0.51	**2.63**	**1.90**	**0.73J**
92561600	SVP-06	09/15/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	**50**	<5.9	**1.3**	<0.79	<0.91	<1.1	**1.0J**	<14	<0.51	**1.8J**	**1.3J**	**0.50J**
92562845	SVP-06	09/22/2021	**3.3J**	**0.73J**	NA	<3.2	**1.3**	**2.4J**	<2.5	**2.6J**	<2.5	**0.56J**	**1.3J**	<2.5	**20**	**4.2J**	**19**	<0.79	<0.91	<1.1	**1.5J**	**6.7J**	<0.51	**14.7**	**11**	**3.7**
92563962	SVP-06	09/29/2021	**1.7J**	<1.0	NA	<3.2	**0.85**	<28	<2.5	<14	<2.5	**0.29J**	<2.5	<2.5	**38**	<5.9	**7.4**	<0.79	<0.91	<1.1	**1.4J**	**2.7J**	<0.51	**7.7**	**5.4**	**2.3**

Table 9
Summary of Soil Vapor Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

			VOCs (µg/m^3)																					
Lab Report Number	**Sample ID**	**Sample Date**	**Methylene Chloride**	**Naphthalene**	**n-Butane**	**n-Butylbenzene**	**n-Heptane**	**n-Hexane**	**n-Propylbenzene**	**Propene**	**sec-Butylbenzene**	**Styrene**	**tert-Butyl alcohol**	**tert-Butylbenzene**	**Tetrachloroethene**	**Tetrahydrofuran**	**Toluene**	**trans-1,2-Dichloroethene**	**trans-1,3-Dichloropropene**	**Trichloroethene**	**Trichlorofluoromethane (Freon 11)**	**Vinyl Acetate**	**Vinyl chloride**	**Xylene (total)**	**Xylene, m&p-**	**Xylene, o-**
Sub-slab and Exterior SGSL			**4200**	**21**	**NE**	**NE**	**2800**	**4900**	**7000**	**NE**	**NE**	**7000**	**N/A**	**NE**	**280**	**14000**	**35000**	**NE**	**N/A**	**14**	**NE**	**NE**	**56**	**700**	**700**	**700**
IASL (A), TCR=1.0E-06 THQ=0.2			**100**	**0.08**	**NE**	**NE**	**83**	**150**	**210**	**NE**	**NE**	**210**	**N/A**	**NE**	**8.30**	**420**	**1000**	**NE**	**N/A**	**0.42**	**NE**	**42**	**0.17**	**21**	**21**	**21**
200-57564	SVP-07	03/09/2021	<17	<26	**53**	<11	<8.2	**24**	<9.8	NA	<11	<8.5	<150	<11	<14	<150	<7.5	<7.9	<9.1	<11	<11	NA	<5.1	<30	<22	<8.7
200-58012	SVP-07	04/08/2021	<17	<26	**15**	<11	<8.2	<7.0	<9.8	NA	<11	<8.5	<150	<11	<14	<150	<7.5	<7.9	<9.1	<11	<11	NA	<5.1	**3.0J**	<22	**3.0J**
200-58345	SVP-07	05/04/2021	<17	<26	**4.8J**	<11	<8.2	<18	<9.8	NA	<11	<8.5	<150	<11	<14	<150	<7.5	<7.9	<9.1	<11	<11	NA	<5.1	<30	<22	<8.7
200-58577	SVP-07_E	05/20/2021	<17	<26	<12	<11	<8.2	<18	<9.8	NA	<11	<8.5	<150	<11	<14	<150	<7.5	<7.9	<9.1	<11	<11	NA	<5.1	<30	<22	<8.7
92545110	SVP-07	06/02/2021	<3.5	<0.52	NA	<1.6	<0.41	<14	<1.2	<6.9	<1.3	<0.43	<1.2	<1.3	**0.31J**	<2.9	**0.87**	<0.40	<0.45	<0.54	**1.2J**	<7.0	<0.26	**1.71**	**1.20**	**0.51**
92545146	SVP-07	06/08/2021	<6.9	<1.0	NA	<3.2	**23**	**21J**	**14**	<14	**1.1J**	<0.85	<2.5	<2.5	<1.4	<5.9	**680**	<0.79	<0.91	<1.1	**1.3J**	<14	<0.51	**600**	**440**	**160**
92549536	SVP-07	07/14/2021	<3.5	<0.52	NA	<1.6	<0.41	<14	<1.2	<6.9	<1.3	<0.43	<1.2	<1.3	<0.68	<2.9	**0.93**	<0.40	<0.45	<0.54	<2.2	<7.0	<0.26	**13.20**	**8.0**	**5.20**
92554696	SVP-07	08/11/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**0.83**	<0.79	<0.91	<1.1	<4.5	<14	<0.51	<2.57	<1.7	<0.87
92557574	SVP-07	08/25/2021	**2.9J**	**1.10**	NA	<3.2	**38**	**170**	<2.5	<14	<2.5	**0.46J**	<2.5	**2.3J**	**0.43J**	<5.9	**2.2**	<0.79	<0.91	<1.1	**1.5J**	<14	<0.51	**2.05J**	**1.6J**	**0.45J**
92558812	SVP-07	09/01/2021	<6.9	**0.71J**	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	**0.29J**	<2.5	<2.5	<1.4	<5.9	**0.86**	<0.79	<0.91	<1.1	**1.6J**	**3.9J**	<0.51	**0.99J**	**0.68J**	**0.31J**
92560663	SVP-07	09/10/2021	**20**	**1.10**	NA	<3.2	**0.87**	<28	<2.5	<14	<2.5	**0.46J**	<2.5	<2.5	**0.71J**	<5.9	**4.1**	<0.79	<0.91	<1.1	**1.7J**	<14	<0.51	**3.70**	**2.70**	**1.00**
92561600	SVP-07	09/15/2021	**1.8J**	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	**0.31J**	<2.5	<2.5	<1.4	<5.9	**1.5**	<0.79	<0.91	<1.1	**1.2J**	<14	<0.51	**2.11J**	**1.5J**	**0.61J**
92562845	SVP-07	09/22/2021	**2.2J**	**0.78J**	NA	<3.2	**0.48J**	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**5.4**	<0.79	<0.91	<1.1	**1.2J**	**5.9J**	<0.51	**5.5**	**4.1**	**1.4**
92563962	SVP-07	09/29/2021	<6.9	<1.0	NA	<3.2	**0.49J**	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**4.6**	<0.79	<0.91	<1.1	**1.6J**	**4.5J**	<0.51	**4.4**	**3.2**	**1.2**
200-57564	SVP-08	03/09/2021	<17	<26	**900**	<11	**8.20**	**42**	<9.8	NA	<11	<8.5	<150	<11	<14	<150	**8.5**	<7.9	<9.1	<11	<11	NA	<5.1	**6.9J**	**7.0J**	<8.7
200-58012	SVP-08	04/08/2021	<17	<26	**110**	<11	<8.2	**18**	<9.8	NA	<11	<8.5	<150	<11	<14	<150	<7.5	<7.9	<9.1	<11	<11	NA	<5.1	**3.0J**	<22	**3.1J**
200-58345	SVP-08	05/04/2021	**7.1J**	<26	**20**	<11	<8.2	<18	<9.8	NA	<11	<8.5	<150	<11	<14	<150	<7.5	<7.9	<9.1	<11	<11	NA	<5.1	<30	<22	<8.7
200-58577	SVP-08_E	05/20/2021	<17	<26	**35**	<11	<8.2	<18	<9.8	NA	<11	<8.5	<150	<11	<14	<150	**3.6J**	<7.9	<9.1	<11	<11	NA	<5.1	<30	<22	<8.7
92545110	SVP-08	06/02/2021	**6.80**	<0.52	NA	<1.6	<0.41	<14	<1.2	<6.9	<1.3	<0.43	<1.2	<1.3	**1.90**	<2.9	**5.4**	<0.40	<0.45	<0.54	**1.3J**	<7.0	<0.26	**1.39**	**0.92**	**0.47**
92545146	SVP-08	06/08/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	**3.90**	<5.9	**2.5**	<0.79	<0.91	**2.30**	<4.5	<14	<0.51	**3.00**	**1.90**	**1.10**
92549536	SVP-08	07/14/2021	<3.5	<0.52	NA	<1.6	<0.41	<14	<1.2	<6.9	<1.3	<0.43	<1.2	<1.3	**2.10**	<2.9	**0.56**	<0.40	<0.45	<0.54	<2.2	<7.0	<0.26	<1.30	<0.87	<0.43
92554696	SVP-08	08/11/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**0.86**	<0.79	<0.91	<1.1	<4.5	<14	<0.51	<2.57	<1.7	<0.87
92557574	SVP-08	08/25/2021	<6.9	**1.20**	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	**2.70**	**0.54J**	<5.9	**1.3**	<0.79	<0.91	<1.1	**1.8J**	<14	<0.51	**0.91J**	**0.63J**	**0.28J**
92558812	SVP-08	09/01/2021	<6.9	**0.84J**	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	**0.36J**	<2.5	<2.5	<1.4	<5.9	**1.1**	<0.79	<0.91	<1.1	**1.6J**	**4.4J**	<0.51	**0.93J**	**0.63J**	**0.30J**
92560663	SVP-08	09/10/2021	**1.6J**	**1.20**	NA	<3.2	**0.90**	<28	<2.5	<14	<2.5	**0.48J**	<2.5	<2.5	**0.79J**	<5.9	**4.7**	<0.79	<0.91	**1.0J**	**1.6J**	<14	<0.51	**5.60**	**3.40**	**1.2J**
92561600	SVP-08	09/15/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**1.7**	<0.79	<0.91	<1.1	**1.1J**	<14	<0.51	**2.75**	**2.0**	**0.75J**
92562845	SVP-08	09/22/2021	**1.9J**	**0.80J**	NA	<3.2	**0.69J**	<28	<2.5	**2.5J**	<2.5	**0.39J**	<2.5	<2.5	<1.4	<5.9	**7.8**	<0.79	<0.91	**0.60J**	**1.4J**	**6.7J**	<0.51	**8.4**	**6.2**	**2.2**
92563962	SVP-08	09/29/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**4.3**	<0.79	<0.91	<1.1	**1.5J**	**2.2J**	<0.51	**5.1**	**3.6**	**1.5**
200-57564	SVP-09	03/09/2021	<17	<26	**680**	<11	**5.0J**	**30**	<9.8	NA	<11	<8.5	<150	<11	<14	<150	**12**	<7.9	<9.1	<11	<11	NA	<5.1	**4.8J**	**4.8J**	<8.7
200-58012	SVP-09	04/08/2021	<17	<26	**6.5J**	<11	<8.2	<7.0	<9.8	NA	<11	<8.5	**2.2J**	<11	<14	<150	**4.1J**	<7.9	<9.1	<11	<11	NA	<5.1	**12J**	**7.8J**	**4.50**
200-58345	SVP-09	05/04/2021	<17	<26	**14**	<11	<8.2	<18	<9.8	NA	<11	<8.5	<150	<11	<14	<150	<7.5	<7.9	<9.1	<11	<11	NA	<5.1	<30	<22	<8.7
200-58577	SVP-09_E	05/20/2021	<17	<26	<12	<11	<8.2	<18	<9.8	NA	<11	<8.5	<150	<11	<14	<150	<7.5	<7.9	<9.1	<11	<11	NA	<5.1	<30	<22	<8.7
92545110	SVP-09	06/02/2021	**2.8J**	<0.52	NA	<1.6	<0.41	<14	<1.2	<6.9	<1.3	<0.43	<1.2	<1.3	<0.68	<2.9	<0.38	<0.40	<0.45	<0.54	**1.4J**	<7.0	<0.26	<1.30	<0.87	<0.43
92545146	SVP-09	06/08/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	**0.65J**	<5.9	**3.0**	<0.79	<0.91	<1.1	**1.10**	<14	<0.51	**3.80**	**2.50**	**1.30**
92549536	SVP-09	07/14/2021	<3.5	**1.2**	NA	<1.6	<0.41	<14	<1.2	<6.9	<1.3	<0.43	<1.2	<1.3	<0.68	<2.9	**0.66**	<0.40	<0.45	**36**	<2.2	<7.0	<0.26	<1.30	<0.87	<0.43
92554696	SVP-09	08/11/2021	<6.9	**1.2**	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**3.0**	<0.79	<0.91	**3.50**	<4.5	<14	<0.51	**6.90**	**5.0**	**1.90**
92557574	SVP-09	08/25/2021	<6.9	**0.94J**	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	**0.36J**	<2.5	**3.50**	**0.41J**	<5.9	**1.8**	<0.79	<0.91	<1.1	**1.6J**	<14	<0.51	**1.04J**	**0.69J**	**0.35J**
92558812	SVP-09	09/01/2021	<6.9	**0.75J**	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	**0.44J**	<2.5	<2.5	<1.4	<5.9	**1.0**	<0.79	<0.91	<1.1	**2.0J**	**6.4J**	<0.51	**1.5J**	**1.0J**	**0.5J**
92560663	SVP-09	09/10/2021	**2.4J**	**1.3**	NA	<3.2	**1.0**	<28	<2.5	<14	<2.5	**0.58J**	<2.5	<2.5	**0.81J**	<5.9	**3.4**	<0.79	<0.91	**1.60**	**1.7J**	<14	<0.51	**3.70**	**2.7**	**1.0**
92561600	SVP-09	09/15/2021	**2.5J**	**1.2**	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	**0.36J**	<2.5	<2.5	**0.57J**	<5.9	**2.6**	<0.79	<0.91	<1.1	**1.2J**	<14	<0.51	**3.09**	**2.2**	**0.89**
92562845	SVP-09	09/22/2021	<6.9	**0.69J**	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**3.5**	<0.79	<0.91	<1.1	**1.1J**	**5.6J**	<0.51	**3.89**	**2.9**	**0.99**
92563962	SVP-09	09/29/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**4.2**	<0.79	<0.91	<1.1	**1.6J**	**3.6J**	<0.51	**4.7**	**3.4**	**1.3**

Table 9
Summary of Soil Vapor Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

			VOCs (µg/m^3)																						
Lab Report Number	**Sample ID**	**Sample Date**	**Methylene Chloride**	**Naphthalene**	**n-Butane**	**n-Butylbenzene**	**n-Heptane**	**n-Hexane**	**n-Propylbenzene**	**Propene**	**sec-Butylbenzene**	**Styrene**	**tert-Butyl alcohol**	**tert-Butylbenzene**	**Tetrachloroethene**	**Tetrahydrofuran**	**Toluene**	**trans-1,2-Dichloroethene**	**trans-1,3-Dichloropropene**	**Trichloroethene**	**Trichlorofluoromethane (Freon 11)**	**Vinyl Acetate**	**Vinyl chloride**	**Xylene (total)**	**Xylene, m&p-**	**Xylene, o-**
Sub-slab and Exterior SGSL			**4200**	**21**	**NE**	**NE**	**2800**	**4900**	**7000**	**NE**	**NE**	**7000**	**N/A**	**NE**	**280**	**14000**	**35000**	**NE**	**N/A**	**14**	**NE**	**NE**	**56**	**700**	**700**	**700**
IASL (A), TCR=1.0E-06 THQ=0.2			**100**	**0.08**	**NE**	**NE**	**83**	**150**	**210**	**NE**	**NE**	**210**	**N/A**	**NE**	**8.30**	**420**	**1000**	**NE**	**N/A**	**0.42**	**NE**	**42**	**0.17**	**21**	**21**	**21**
200-57564	SVP-10	03/09/2021	<69	<100	**3100**	<44	<33	**120**	<39	NA	<44	<34	<610	<44	<54	<590	<30	<32	<36	<43	<45	NA	<20	<120	<87	<35
200-58012	SVP-10	04/08/2021	<13000	<19,000	**470000**	<8000	**16000**	**99000**	<7200	NA	<8000	<6200	<110000	<8000	<9900	<110000	<5500	<5800	<6600	<7800	<8200	NA	<3,700	<22,000	<16,000	<6,300
200-58348	SVP-10	05/04/2021	<12000	<18000	**340000**	<7700	**18000**	**100000**	<6900	NA	<7700	<6000	<110000	<7700	<9500	<100000	<5300	<5600	<6400	<7500	<7900	NA	<3600	<21000	<15,000	<6100
200-58578	SVP-10_E	05/20/2021	<420	<640	**11000**	<270	**190J**	**1700**	<240	NA	<270	<210	<3700	<270	<330	<3600	<180	<190	<220	<260	<270	NA	<120	<740	<530	<210
92545111	SVP-10	06/02/2021	<5,200	<790	NA	<2,400	**36000**	**230000**	<1,900	<10,000	<1,900	<640	<1,900	<1,900	<1,000	<4,400	<570	<590	<680	<810	<3,400	<11,000	<380	<1,950	<1,300	<650
92545148	SVP-10	06/08/2021	<6.9	<1.0	NA	<3.2	**13000**	**56000**	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**2100**	<0.79	<0.91	<1.1	<4.5	<14	<0.51	**362**	**320**	**42**
92549530	SVP-10	07/14/2021	<69	<10	NA	<32	**2700**	**24000**	<25	<140	<25	<8.5	<25	<25	<14	<59	**2700**	<7.9	<9.1	<11	<45	<140	<5.1	**357**	**290**	**67**
92554702	SVP-10	08/11/2021	<6.9	<1.0	NA	<3.2	**1.7**	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**5.0**	<0.79	<0.91	<1.1	<4.5	<14	<0.51	<2.57	<1.7	<0.87
92557570	SVP-10	08/25/2021	<6.9	**0.88J**	NA	<3.2	**1.7**	**6.0J**	<2.5	<14	<2.5	**0.27J**	<2.5	**1.8J**	**0.54J**	<5.9	**16**	<0.79	<0.91	<1.1	**1.7J**	<14	<0.51	**13.8**	**10**	**3.8**
92558811	SVP-10	09/01/2021	<6.9	<1.0	NA	<3.2	**0.61J**	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**2.7**	<0.79	<0.91	<1.1	**1.5J**	**2.3J**	<0.51	**1.2J**	**0.96J**	**0.28J**
92560665	SVP-10	09/10/2021	<6.9	**1.20**	NA	<3.2	**0.98**	<28	<2.5	<14	<2.5	**0.43J**	<2.5	<2.5	**0.62J**	<5.9	**3.6**	<0.79	<0.91	**0.41J**	**1.8J**	<14	<0.51	**3.89**	**2.9**	**0.99**
92561604	SVP-10	09/15/2021	**5.3J**	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**40**	<0.79	<0.91	<1.1	**1.1J**	<14	<0.51	**12.4**	**4.1**	**8.3**
92562848	SVP-10	09/22/2021	**2.1J**	<1.0	NA	<3.2	**1.3**	<28	<2.5	**1.7J**	<2.5	**0.31J**	<2.5	<2.5	<1.4	**2.0J**	**10**	<0.79	<0.91	<1.1	**1.3J**	**7.7J**	<0.51	**7.8**	**5.6**	**2.2**
92563966	SVP-10	09/29/2021	<6.9	<1.0	NA	<3.2	**1.2**	**5.7J**	<2.5	**2.5J**	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**140**	<0.79	<0.91	<1.1	**1.6J**	<14	<0.51	**51**	**26**	**25**
200-57564	SVP-11	03/09/2021	<17	<26	**170**	**2.5J**	**3.0J**	**24**	<9.8	NA	<11	<8.5	<150	<11	**11J**	<150	**7.50**	<7.9	<9.1	<11	<11	NA	<5.1	**5.2J**	**5.2J**	<8.7
200-58012	SVP-11	04/08/2021	<35	<52	**1300**	<22	**29**	**280**	<20	NA	<22	<17	<300	<22	**7.9J**	<290	<15	<16	<18	<21	<22	NA	<10	<61	<43	<17
200-58348	SVP-11	05/04/2021	<87	<130	**8900E**	<55	**300**	**2400**	<49	NA	<55	<43	<760	<55	**12J**	<740	<38	<40	<45	<54	<56	NA	<26	<150	<110	<43
200-58578	SVP-11_E	05/20/2021	**16J**	<26	**260**	<11	**21**	**69**	<9.8	NA	<11	**2.1J**	<150	<11	**23**	**57J**	<7.5	<7.9	<9.1	<11	**12**	NA	<5.1	**39**	**27**	**12**
92545111	SVP-11	06/02/2021	<3.5	<0.52	NA	<1.6	<0.41	**4.6J**	<1.2	<6.9	<1.3	<0.43	<1.2	<1.3	**4.0**	<5.9	**0.39**	<0.40	<0.45	<0.54	**1.1J**	<7.0	<0.26	**0.56J**	**0.56J**	<0.43
92545148	SVP-11	06/08/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	**2.40**	<5.9	**66**	<0.79	<0.91	<1.1	**1.2J**	<14	<0.51	**14.30**	**7.20**	**7.10**
92549530	SVP-11	07/17/2021	<3.5	<0.52	NA	<1.6	<0.41	<14	<1.2	<6.9	<1.3	<0.43	<1.2	<1.3	**5.80**	<2.9	**1.0**	<0.40	<0.45	<0.54	<2.2	<7.0	<0.26	<1.30	<0.87	<0.43
92554702	SVP-11	08/11/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	<0.75	<0.79	<0.91	**1.60**	<4.5	<14	<0.51	<2.57	<1.7	<0.87
92557570	SVP-11	08/25/2021	<6.9	**1.30**	NA	<3.2	**1.50**	<28	<2.5	<14	<2.5	**0.61J**	<2.5	**2.1J**	**1.70**	<5.9	**17**	<0.79	**0.31J**	**0.54J**	**2.0J**	<14	<0.51	**14.90**	**11**	**3.90**
92558811	SVP-11	09/01/2021	**1.8J**	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	**0.31J**	<2.5	<2.5	**0.54J**	<5.9	**1.8**	<0.79	<0.91	<1.1	**1.6J**	**3.4J**	<0.51	**0.56J**	**0.56J**	<0.87
92560665	SVP-11	09/10/2021	**3.8J**	**1.40**	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	**0.61J**	<2.5	<2.5	**1.0J**	<5.9	**3.9**	<0.79	<0.91	**0.54J**	**1.7J**	<14	<0.51	**4.40**	**3.30**	**1.10**
92561604	SVP-11	09/15/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**1.4**	<0.79	<0.91	<1.1	**1.1J**	<14	<0.51	**2.09J**	**1.5J**	**0.59J**
92562848	SVP-11	09/22/2021	<6.9	<1.0	NA	<3.2	**0.41J**	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**5.5**	<0.79	<0.91	<1.1	**1.4J**	**3.5J**	<0.51	**5.5**	**3.9**	**1.6**
92563966	SVP-11	09/29/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	**1.3J**	<2.5	**0.31J**	<2.5	<2.5	<1.4	<5.9	**4.6**	<0.79	<0.91	<1.1	**1.4J**	**3.4J**	<0.51	**4.5**	**3.2**	**1.3**
200-57564	SVP-12	03/09/2021	<52	<78	**1200**	<33	<25	**84**	<29	NA	<33	<25	<450	<33	**24.J**	<440	<23	<24	<27	<32	<34	NA	<15	<91	<65	<26
200-57564	DUP-1	03/09/2021	<17	<26	**6900**	<11	<8.2	**82**	<9.8	NA	<11	<8.5	<150	<11	**27**	<150	<7.5	<7.9	<9.1	<11	<11	NA	<5.1	<30	<22	<8.7
200-58012	SVP-12	04/08/2021	<11000	<16000	**400000**	<6900	**64000**	**150000**	<6200	NA	<6,900	<5,300	<95,000	<6,900	<8500	<92000	<4700	<5000	<5700	<6700	<7000	NA	<3200	<19,000	<14,000	<5,400
200-58348	SVP-12	05/04/2021	<11000	<17000	**800000E**	<7000	**29000**	**240000**	<6300	NA	<7,000	<5,500	<97,000	<7,000	<8700	<94000	<4800	<5100	<5800	<6900	<7200	NA	<3300	<19000	<3,200	<5600
200-58578	SVP-12_E	05/20/2021	<17	<26	**19**	<11	**6.1J**	**16J**	<9.8	NA	<11	<8.5	<150	<11	**3.1J**	<150	<7.5	<7.9	<9.1	<11	<11	NA	<5.1	<30	<22	<8.7
92545111	SVP-12	06/02/2021	<3.5	<0.52	NA	<1.6	<0.41	**8.8J**	<1.2	<6.9	<1.3	<0.43	<1.2	<1.3	**3.90**	<2.9	<0.38	<0.40	<0.45	<0.54	**1.2J**	<7.0	<0.26	<1.3	<0.87	<0.43
92545148	SVP-12	06/08/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	**1.1J**	<5.9	**2.40**	<0.79	<0.91	<1.1	**1.2J**	<14	<0.51	**2.14J**	**1.5J**	**0.64J**
92549530	SVP-12	07/14/2021	**3.7**	<0.52	NA	<1.6	<0.41	<14	<1.2	<6.9	<1.3	<0.43	<1.2	<1.3	**0.85**	<2.9	**1.6**	<0.40	<0.45	<0.54	<2.2	<7.0	<0.26	<1.30	<0.87	<0.43
92554702	SVP-12	08/11/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	**1.6**	<5.9	**0.96**	<0.79	<0.91	<1.1	<4.5	<14	<0.51	<2..57	<1.7	<0.87
92557570	SVP-12	08/25/2021	<1,000	**210**	NA	<470	**22000**	**130000**	<370	<2,100	<380	<130	<370	<380	<200	<880	<110	<120	<140	<160	<670	<2100	<77	<390	<260	<130
92558811	SVP-12	09/01/2021	<69	<10	NA	<32	**1500**	**2600**	**100**	<140	<25	<8.5	<25	<25	<14	<59	**2900**	<7.9	<9.1	<11	<45	<140	<5.1	**1430**	**1400**	**30**
92560665	SVP-12	09/10/2021	<69	<10	NA	<32	**830**	**2700**	**470**	<140	<25	<8.5	<25	**27**	<14	<59	**29000**	<7.9	<9.1	<11	<45	<140	<5.1	**28000**	**16000**	**12000**
92561604	SVP-12	09/15/2021	<69	<10	NA	<32	<8.2	<280	**110**	<140	<25	<8.5	<25	<25	<14	<59	**7500**	<7.9	<9.1	<11	<45	<140	<5.1	**16700**	**11000**	**5700**
92562848	SVP-12	09/22/2021	<6.9	<1.0	NA	<3.2	**1.9**	**3.1J**	**22**	<14	<2.5	**0.68J**	<2.5	<2.5	**0.65J**	<5.9	**2000**	<0.79	<0.91	<1.1	**1.4J**	**6.6J**	<0.51	**4700**	**3600**	**3100**
92563966	SVP-12	09/29/2021	<6.9	<1.0	NA	<3.2	**1.5**	<28	**2.3J**	<14	<2.5	**0.39J**	<2.5	<2.5	**0.41J**	<5.9	**96**	<0.79	<0.91	<1.1	**1.7J**	**4.2J**	<0.51	**410**	**190**	**220**

Table 9
Summary of Soil Vapor Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

			VOCs (µg/m^3)																						
Lab Report Number	**Sample ID**	**Sample Date**	**Methylene Chloride**	**Naphthalene**	**n-Butane**	**n-Butylbenzene**	**n-Heptane**	**n-Hexane**	**n-Propylbenzene**	**Propene**	**sec-Butylbenzene**	**Styrene**	**tert-Butyl alcohol**	**tert-Butylbenzene**	**Tetrachloroethene**	**Tetrahydrofuran**	**Toluene**	**trans-1,2-Dichloroethene**	**trans-1,3-Dichloropropene**	**Trichloroethene**	**Trichlorofluoromethane (Freon 11)**	**Vinyl Acetate**	**Vinyl chloride**	**Xylene (total)**	**Xylene, m&p-**	**Xylene, o-**
Sub-slab and Exterior SGSL			**4200**	**21**	**NE**	**NE**	**2800**	**4900**	**7000**	**NE**	**NE**	**7000**	**N/A**	**NE**	**280**	**14000**	**35000**	**NE**	**N/A**	**14**	**NE**	**NE**	**56**	**700**	**700**	**700**
IASL (A), TCR=1.0E-06 THQ=0.2			**100**	**0.08**	**NE**	**NE**	**83**	**150**	**210**	**NE**	**NE**	**210**	**N/A**	**NE**	**8.30**	**420**	**1000**	**NE**	**N/A**	**0.42**	**NE**	**42**	**0.17**	**21**	**21**	**21**
200-57564	SVP-13	03/09/2021	<70	<110	**1200**	<44	**74**	**210**	<40	NA	<44	<34	<610	<44	<55	<590	<30	<32	<36	<43	<45	NA	<21	<120	<87	<35
200-58012	SVP-13	04/08/2021	<520	<790	**16000**	<330	**71J**	**2300**	<300	NA	<330	<260	<4,600	<330	<410	<4,400	<230	<240	<270	<320	<340	NA	<150	<920	<650	<260
200-58345	SVP-13	05/04/2021	<520	<790	**52000E**	<330	<250	**1300**	<290	NA	<330	<260	<4,500	<330	<410	<4,400	<230	<240	<270	<320	<340	NA	<150	<910	<1,400	<260
200-58577	SVP-13_E	05/20/2021	<17	<26	**36**	<11	<8.2	**14J**	<9.8	NA	<11	<8.5	<150	<11	<14	<150	**8.5**	<7.9	<9.1	<11	<11	NA	<5.1	<30	<22	<8.7
92545110	SVP-13	06/02/2021	<3.5	<0.52	NA	<1.6	<0.41	<14	<1.2	<6.9	<1.3	<0.43	<1.2	<1.3	<0.68	<2.9	**0.44**	<0.40	<0.45	<0.54	**1.2J**	<7.0	<0.26	<1.30	<0.87	<0.43
92545146	SVP-13	06/08/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**1.3**	<0.79	<0.91	<1.1	<4.5	<14	<0.51	**1.1J**	**1.1J**	<0.87
92549536	SVP-13	07/14/2021	<3.5	<0.52	NA	<1.6	<0.41	<14	<1.2	<6.9	<1.3	<0.43	<1.2	<1.3	<0.68	<2.9	**0.99**	<0.40	<0.45	<0.54	<2.2	<7.0	<0.26	**1.0**	**1.0**	<0.43
92554696	SVP-13	08/11/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	<0.75	<0.79	<0.91	<1.1	<4.5	<14	<0.51	<2.57	<1.7	<0.87
92557574	SVP-13	08/25/2021	**2.3J**	**0.88J**	NA	<3.2	**0.89**	<28	<2.5	<14	<2.5	**0.41J**	<2.5	**3.5**	<1.4	<5.9	**1.9**	<0.79	<0.91	<1.1	**1.9J**	<14	<0.51	**1.35J**	**0.97J**	**0.38J**
92558812	SVP-13	09/01/2021	<6.9	**0.88J**	NA	<3.2	**0.52J**	<28	<2.5	<14	<2.5	**0.83J**	<2.5	<2.5	**0.95J**	<5.9	**1.6**	**0.44J**	**0.40J**	**0.56J**	**2.3J**	**2.1J**	**0.28J**	**1.94J**	**1.3J**	**0.64J**
92560663	SVP-13	09/10/2021	**3.2J**	**1.2**	NA	<3.2	**1.1**	<28	<2.5	<14	<2.5	**0.6J**	**1.6J**	<2.5	**0.79J**	<5.9	**9.2**	<0.79	<0.91	<1.1	**2.3J**	<14	<0.51	**9.5**	**6.9**	**2.6**
92561600	SVP-13	09/15/2021	**3.2J**	**1.7**	NA	<3.2	**1.7**	<28	<2.5	<14	<2.5	**0.89**	<2.5	<2.5	**1.2J**	<5.9	**3.2**	<0.79	<0.91	**0.97J**	**1.5J**	<14	<0.51	**5.7**	**3.8**	**1.9**
92562845	SVP-13	09/22/2021	**2.4J**	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**3.9**	<0.79	<0.91	<1.1	**1.2J**	**2.1J**	<0.51	**5.7**	**4.2**	**1.5**
92563962	SVP-13	09/29/2021	<6.9	<1.0	NA	<3.2	**0.49J**	<28	<2.5	**1.4J**	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**5.1**	<0.79	<0.91	<1.1	**1.3J**	**1.8J**	<0.51	**4.6**	**3.2**	**1.4**
200-58578	SVP-14_E	05/20/2021	<17	<26	**43**	<11	**2.7J**	**9.1J**	<9.8	NA	<11	<8.5	<150	<11	<14	<150	**6.7J**	<7.9	<9.1	<11	<11	NA	<5.1	**5**	<22	<8.7
92545111	SVP-14	06/02/2021	**1.8J**	<0.52	NA	<1.6	<0.41	<14	<1.2	<6.9	<1.3	<0.43	<1.2	<1.3	<0.68	<2.9	**3.4**	<0.79	<0.91	<1.1	**1.1J**	<7.0	<0.26	**3.5**	**2.3**	**1.2**
92545148	SVP-14	06/08/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**1.1**	<0.79	<0.91	<1.1	<4.5	<14	<0.51	**1.69**	**1.2J**	**0.49J**
92549530	SVP-14	07/14/2021	**9.7**	<0.52	NA	<1.6	<0.41	**16**	<1.2	<6.9	<1.3	<0.43	<1.2	<1.3	<0.68	<2.9	**0.65**	<0.40	<0.45	<0.54	<2.2	<7.0	<0.26	<1.30	<0.87	<0.43
92554702	SVP-14	08/11/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**1.2**	<0.79	<0.91	<1.1	<4.5	<14	<0.51	<2.57	<1.7	<0.87
92557570	SVP-14	08/25/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	**0.31J**	<2.5	<2.5	<1.4	<5.9	**1.9**	<0.79	<0.91	<1.1	<4.5	<14	<0.51	**0.99J**	**0.66J**	**0.33J**
92558811	SVP-14	09/01/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	**1.2J**	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**2.0**	<0.79	<0.91	<1.1	**1.4J**	**3.0J**	<0.51	**1.84J**	**1.3J**	**0.54J**
92560665	SVP-14	09/10/2021	**2.5J**	**1.2**	NA	<3.2	**0.74**	<28	<2.5	<14	<2.5	**0.32J**	**0.96J**	<2.5	<1.4	<5.9	**6.8**	<0.79	<0.91	<1.1	**1.0J**	<14	<0.51	**5.8**	**4.5**	**1.3**
92561604	SVP-14	09/15/2021	<6.9	**1.2**	NA	<3.2	**0.87**	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**1.9**	<0.79	<0.91	<1.1	**0.97J**	<14	<0.51	**3.0**	**2.0**	**1.0**
92562848	SVP-14	09/22/2021	<6.9	<1.0	NA	<3.2	**0.43J**	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**2.4**	<0.79	<0.91	<1.1	**1.5J**	**3.2J**	<0.51	**6.7**	**3.9**	**2.8**
92563966	SVP-14	09/29/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**4.4**	<0.79	<0.91	<1.1	**1.6J**	**4.5J**	<0.51	**4.8**	**3.5**	**1.3**

Table 9
Summary of Soil Vapor Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

			VOCs (µg/m^3)																						
Lab Report Number	**Sample ID**	**Sample Date**	**Methylene Chloride**	**Naphthalene**	**n-Butane**	**n-Butylbenzene**	**n-Heptane**	**n-Hexane**	**n-Propylbenzene**	**Propene**	**sec-Butylbenzene**	**Styrene**	**tert-Butyl alcohol**	**tert-Butylbenzene**	**Tetrachloroethene**	**Tetrahydrofuran**	**Toluene**	**trans-1,2-Dichloroethene**	**trans-1,3-Dichloropropene**	**Trichloroethene**	**Trichlorofluoromethane (Freon 11)**	**Vinyl Acetate**	**Vinyl chloride**	**Xylene (total)**	**Xylene, m&p-**	**Xylene, o-**
Sub-slab and Exterior SGSL			**4200**	**21**	**NE**	**NE**	**2800**	**4900**	**7000**	**NE**	**NE**	**7000**	**N/A**	**NE**	**280**	**14000**	**35000**	**NE**	**N/A**	**14**	**NE**	**NE**	**56**	**700**	**700**	**700**
IASL (A), TCR=1.0E-06 THQ=0.2			**100**	**0.08**	**NE**	**NE**	**83**	**150**	**210**	**NE**	**NE**	**210**	**N/A**	**NE**	**8.30**	**420**	**1000**	**NE**	**N/A**	**0.42**	**NE**	**42**	**0.17**	**21**	**21**	**21**
200-58578	SVP-15_E	05/20/2021	<17	<26	**40**	<11	<8.2	<18	<9.8	NA	<11	<8.5	<150	<11	<14	<150	**10**	<7.9	<9.1	<11	<11	NA	<5.1	<30	<22	<8.7
92545111	SVP-15	06/02/2021	**2.3J**	<0.52	NA	<1.6	<0.41	<14	<1.2	<6.9	<1.3	<0.43	<1.2	<1.3	<0.68	<2.9	<0.38	<0.40	<0.45	<0.54	**1.5J**	<7.0	<0.26	**3.1**	**3.1**	<0.43
92545148	SVP-15	06/08/2021	**35**	<1.0	NA	<3.2	**35**	<28	**3.4**	<14	<2.5	**21**	<2.5	<2.5	**2.2**	**53**	**310**	<0.79	<0.91	<1.1	<4.5	<14	<0.51	**127**	**91**	**36**
92549530	SVP-15	07/14/2021	<3.5	<0.52	NA	<1.6	<0.41	<14	<1.2	<6.9	<1.3	<0.43	<1.2	<1.3	<0.68	<2.9	**1.5**	<0.40	<0.45	<0.54	<2.2	<7.0	<0.26	**2.04**	**1.4**	**0.64**
92554702	SVP-15	08/11/2021	<6.9	**1.0**	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**1.5**	<0.79	<0.91	<1.1	<4.5	**15**	<0.51	<2.57	<1.7	<0.87
92557570	SVP-15	08/25/2021	<6.9	**1.6**	NA	<3.2	<0.82	**2.8J**	<2.5	<14	<2.5	**0.6J**	<2.5	**3.6**	<1.4	<5.9	**4.4**	<0.79	<0.91	<1.1	**1.8J**	<14	<0.51	**2.19**	**1.5**	**0.69J**
92558811	SVP-15	09/01/2021	<6.9	**0.88J**	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	**0.31J**	<2.5	<2.5	<1.4	<5.9	**1.2**	<0.79	<0.91	<1.1	**1.8J**	**2.5J**	<0.51	**1.09J**	**0.76J**	**0.33J**
92560665	SVP-15	09/10/2021	**9.9**	**1.5**	NA	<3.2	**0.98**	<28	<2.5	<14	<2.5	**0.34J**	<2.5	<2.5	<1.4	<5.9	**5.8**	<0.79	<0.91	**14**	**1.4J**	<14	<0.51	**4.4**	**4.3**	**1.4**
92561604	SVP-15	09/15/2021	**3.7**	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	<2.5	<1.4	<5.9	**3.4**	<0.79	<0.91	<1.1	**1.2J**	<14	<0.51	**3.6**	**2.6**	**1.0**
92562848	SVP-15	09/22/2021	<6.9	<1.0	NA	<3.2	**0.44J**	<28	<2.5	**1.3J**	<2.5	**0.43J**	<2.5	<2.5	<1.4	<5.9	**8.9**	<0.79	<0.91	<1.1	**1.7J**	**63**	<0.51	**13.3**	**9.3**	**4.0**
92563966	SVP-15	09/29/2021	<6.9	**0.90J**	NA	<3.2	**12**	**13J**	**2.0J**	**2.1J**	<2.5	**0.82J**	<2.5	<2.5	<1.4	<5.9	**65**	<0.79	<0.91	<1.1	**1.9J**	**22**	<0.51	**68**	**49**	**19.0**
92562853	SVP-16	09/22/2021	<6.9	<1.0	NA	<3.2	**0.51J**	<28	<2.5	**6.8J**	<2.5	**0.36J**	**1.0J**	<2.5	<1.4	<5.9	**10**	<0.79	<0.91	<1.1	**1.3J**	**35**	<0.51	**11.9**	**8.5**	**3.4**
92562854	SVP-17	09/22/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	<0.85	<2.5	**6.8**	<1.4	<5.9	**3.1**	<0.79	<0.91	<1.1	**1.6J**	**1.8J**	<0.51	**3.9**	**2.7**	**1.2**
92562850	SVP-18	09/22/2021	**2.4J**	**1.0J**	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	**0.27J**	<2.5	<2.5	<1.4	<5.9	**4.1**	<0.79	<0.91	<1.1	**1.2J**	**2.9J**	<0.51	**5.8**	**4.3**	**1.5**
92562852	SVP-19	09/22/2021	<6.9	**0.75J**	NA	<3.2	**0.64J**	<28	<2.5	**2.5J**	<2.5	<0.85	**2.2J**	<2.5	<1.4	<5.9	**5.7**	<0.79	<0.91	<1.1	**1.3J**	**2.5J**	<0.51	**7.6**	**5.2**	**2.4**
92562858	SVP-20	09/22/2021	**1.7J**	<1.0	NA	<3.2	**0.46J**	<28	<2.5	<14	<2.5	<0.85	**1.2J**	<2.5	<1.4	<5.9	**5.0**	<0.79	<0.91	<1.1	**79**	**4.3J**	<0.51	**5.7**	**3.9**	**1.8**
92562859	SVP-21	09/22/2021	<6.9	<1.0	NA	<3.2	<0.82	<28	<2.5	**1.6J**	<2.5	<0.85	<2.5	<2.5	**0.60J**	<5.9	**1.6**	<0.79	<0.91	<1.1	**1.7J**	**2.8J**	<0.51	**2.55**	**1.8**	**0.75J**
92562862	DUP-2	09/22/2021	**2.2J**	**1.0J**	NA	<3.2	**2.6**	**7.1J**	<2.5	**4.0J**	<2.5	**0.66J**	**1.7J**	<2.5	**0.76J**	<5.9	**6.4**	<0.79	<0.91	<1.1	**1.8J**	**12J**	<0.51	**4**	**2.8**	**1.2**
92567100	SVP-22	10/15/2021	**3.1J**	**3.5**	NA	<3.2	<0.82	<28	<2.5	<14	<2.5	**0.44J**	**4.4**	<2.5	<1.4	<5.9	**6.3**	<0.79	<0.91	**0.95J**	**1.2J**	**3.1J**	<0.51	**9**	**6.5**	**2.5**
92563971	AMBIENT	09/29/2021	**0.99J**	<0.52	NA	<3.2	**1.5**	**3.1J**	<2.5	**2.2J**	<2.5	**1.6**	<2.5	<2.5	<0.68	<2.9	**18**	**0.29J**	<0.45	<0.54	**1.5J**	**6.1J**	<0.26	**4.8**	**3.4**	**1.4**

Table 9
Summary of Soil Vapor Results

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Notes:

ID - Identification

All units reported in micrograms per cubic meter ($\mu g/m^3$)

Only detected constituents are shown

"<" - Indicates compound was not detected above laboratory reporting limit

"*" - Duplicate did not meet analytical precision requirements

J - Estimated concentration below laboratory reporting limit

E - Result exceeded the calibration range

VOCs - Volatile Organic Compounds analyzed by Method TO-15

APH - Air Phase Petroleum Hydrocarbons

Blue shading indicates an exceedance of Vapor Intrusion Screening Level (VISL)

Samples beginning with "DUP" are field duplicates and co-samples of the preceeding row

Bold text indicates a detection greater than the laboratory reporting limit

SGSL = Soil Gas Screening Level

IASL = Indoor Air Screening Level

SGSLs and IASLs are based on February 2018 NCDEQ Residential Vapor Intrusion Screening Levels

NA - Not Analyzed

Table 10
Summary of Acrolein Concentrations in Ambient Air and Soil Vapor

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Sample Date	VOCs (µg/m^3)	APH (µg/m^3)	
			Acrolein	C5-C8 Aliphatics	C9-C12 Aliphatics
Sub-slab and Exterior SGSL			**NE**	**4,200**	**700**
IASL (A), TCR=1.0E-06 THQ=0.2			**0.0042**	**130**	**21**
Ambient Air Sample					
92554137	AMBIENT	9/29/2021	**3.8J**	**220**	**110**
Soil Vapor Samples					
92512003	SV-1	12/15/2020	NA	NA	NA
200-56803	SV-1_E	1/7/2021	NA	**150**	<71
92515439	SV-1-PA	1/7/2021	<2.0	**433**	**233**
200-57251	SVP-01	2/12/2021	NA	<1,200	<1,200
200-57564	SVP-01	3/9/2021	NA	**560**	<120
200-58012	SVP-01	4/8/2021	NA	**130**	<120
200-58344	SVP-01	5/4/2021	NA	**800**	**120**
200-58576	SVP-01_E	5/20/2021	NA	**29**	<12
92540103	SVP-01-PA	5/20/2021	<4.6	**300**	**360**
92541930	SVP-01	6/2/2021	<4.6	**370**	**360**
92543128	SVP-01	6/8/2021	<9.2	**170**	**230**
92549534	SVP-01	7/14/2021	<4.6	**250**	**240**
92552703	SVP-01	8/11/2021	<9.2	**60**	**110**
92557565	SVP-01	8/25/2021	<9.2	**190**	**280**
92558814	SVP-01	9/1/2021	<9.2	**31**	**32**
92560656	SVP-01	9/10/2021	<9.2	**96**	**120**
92561599	SVP-01	9/15/2021	<9.2	**460**	**370**
92562843	SVP-01	9/22/2021	**2.4J**	**320**	**370**
92563968	SVP-01	9/29/2021	**3.1J**	**120**	**150**
92512003	SV-2	12/15/2020	NA	NA	NA
200-56803	SV-2_E	1/7/2021	NA	<91	<71
92515439	SV-2-PA	1/7/2021	<2.1	<38.4	**115**
200-57251	SVP-02	2/12/2021	NA	**940**	<240
200-57564	SVP-02	3/9/2021	NA	**510**	**190**
200-58012	SVP-02	4/8/2021	NA	**390**	<120
200-58344	SVP-02	5/4/2021	NA	**220**	<120
200-58576	SVP-02_E	5/20/2021	NA	**38**	<12
92540103	SVP-02-PA	5/20/2021	<4.6	**190**	**290**
92541930	SVP-02	6/2/2021	<4.6	**140**	**260**
92543128	SVP-02	6/8/2021	<9.2	**340**	**370**
92549534	SVP-02	7/14/2021	<4.6	**310**	**250**
92552703	SVP-02	8/11/2021	<9.2	**280**	**300**
92557565	SVP-02	8/25/2021	<9.2	**550**	**400**
92558814	SVP-02	9/1/2021	<9.2	**24**	**21**
92560656	SVP-02	9/10/2021	<9.2	**540**	**330**
92561599	SVP-02	9/15/2021	<9.2	**270**	**230**
92562843	SVP-02	9/22/2021	**2.3J**	**430**	**270**
92563968	SVP-02	9/29/2021	<9.2	**170**	**110**
92512003	SV-3	12/15/2020	NA	NA	NA
200-56803	SV-3_E	1/7/2021	NA	<91	<71
92515439	SV-3-PA	1/7/2021	<2.2	**82**	**204**
200-57251	SVP-03	2/12/2021	NA	**17000**	<1200
200-57564	SVP-03	3/9/2021	NA	**21**	<12
200-58012	SVP-03	4/8/2021	NA	**1700**	<120
200-58344	SVP-03	5/4/2021	NA	**1500**	<120
200-58576	SVP-03_E	5/20/2021	NA	**3100**	<610
92540103	SVP-03-PA	5/20/2021	<4.6	**760**	**420**
92541930	SVP-03	6/2/2021	<4.6	**600**	**250**
92543128	SVP-03	6/8/2021	<9.2	**670**	**340**
92549534	SVP-03	7/14/2021	<4.6	**87**	**130**
92552703	SVP-03	8/11/2021	<9.2	**290**	**140**
92557565	SVP-03	8/25/2021	<9.2	**190**	**370**
92558814	SVP-03	9/1/2021	**2.7J**	**22**	**39**
92560656	SVP-03	9/10/2021	<9.2	**680**	**410**
92561599	SVP-03	9/15/2021	<9.2	**300**	**230**
92562843	SVP-03	9/22/2021	**3.1J**	**750**	**490**
92563968	SVP-03	9/29/2021	<9.2	**82**	**80**
200-57564	SVP-04	3/9/2021	NA	**19**	<12
200-58012	SVP-04	4/8/2021	NA	**160**	<120
200-58344	SVP-04	5/4/2021	NA	**230**	**510**
200-58344	DUP-1*	5/4/2021	NA	**33000**	<1600
200-58576	SVP-04_E	5/20/2021	NA	**38**	**12**
200-58576	DUP-1_E	5/20/2021	NA	**17**	<12
92540103	SVP-04-PA	5/20/2021	<4.6	**220**	**350**
92540106	DUP-1-PA	5/20/2021	<4.6	**210**	**240**
92541930	SVP-04	6/2/2021	<4.6	**480**	**310**
92545112	DUP-1	6/2/2021	<4.6	**170**	**220**
92543128	SVP-04	6/8/2021	<9.2	**59**	**110**
92545150	DUP-1	6/8/2021	<9.2	**160**	**170**

Table 10
Summary of Acrolein Concentrations in Ambient Air and Soil Vapor

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Sample Date	VOCs (µg/m^3)	APH (µg/m^3)	
			Acrolein	C5-C8 Aliphatics	C9-C12 Aliphatics
Sub-slab and Exterior SGSL			**NE**	**4,200**	**700**
IASL (A), TCR=1.0E-06 THQ=0.2			**0.0042**	**130**	**21**
92549534	SVP-04	7/14/2021	<4.6	**110**	**300**
92549538	DUP-1	7/14/2021	<4.6	**110**	**210**
92552703	SVP-04	8/11/2021	<9.2	**79**	**110**
92554699	DUP-1	8/11/2021	<9.2	**85**	**100**
92557565	SVP-04	8/25/2021	**3.2J**	**270**	**320**
92557585	DUP-1	8/25/2021	<9.2	**160**	**260**
92558814	SVP-04	9/1/2021	<9.2	**28**	**26**
92558813	DUP-1	9/1/2021	<9.2	**41**	**27**
92560656	SVP-04	9/10/2021	**3.0J**	**560**	**230**
92560652	DUP-1	9/10/2021	<9.2	**590**	**390**
92561599	SVP-04	9/15/2021	<9.2	**220**	**170**
92561605	DUP-1	9/15/2021	<9.2	**220**	**160**
92562843	SVP-04	9/22/2021	<9.2	**170**	**140**
92562861	DUP-1	9/22/2021	<9.2	**160**	**120**
92563968	SVP-04	9/29/2021	<9.2	**120**	**110**
92563967	DUP-1	9/29/2021	<9.2	**85**	**130**
200-57564	SVP-05	3/9/2021	NA	**200**	<120
200-58012	SVP-05	4/8/2021	NA	**170**	<120
200-58345	SVP-05	5/4/2021	NA	**320**	<120
200-58577	SVP-05_E	5/20/2021	NA	**22**	<12
92540107	SVP-05-PA	5/20/2021	<4.6	**170**	**250**
92545110	SVP-05	6/2/2021	<4.6	**110**	**180**
92545146	SVP-05	6/8/2021	<9.2	**120**	**230**
92549536	SVP-05	7/14/2021	<4.6	**220**	**240**
92554696	SVP-05	8/11/2021	<9.2	**480**	**220**
92557574	SVP-05	8/25/2021	<92	**68000**	**1000**
92558812	SVP-05	9/1/2021	<9.2	**32**	**28**
92560663	SVP-05	9/10/2021	<9.2	**850**	**430**
92561600	SVP-05	9/15/2021	<9.2	**210**	**230**
92562845	SVP-05	9/22/2021	**2.8J**	**230**	**190**
92563962	SVP-05	9/29/2021	<9.2	**160**	**150**
200-57627	SVP-06	3/12/2021	NA	**1900**	**460**
200-58012	SVP-06	4/8/2021	NA	**270**	<120
200-58345	SVP-06	5/4/2021	NA	**480**	**210**
200-58577	SVP-06_E	5/20/2021	NA	**34**	**18**
92545110	SVP-06	6/2/2021	<4.6	**370**	**640**
92545146	SVP-06	6/8/2021	<9.2	**450**	**400**
92549536	SVP-06	7/14/2021	<4.6	**270**	**410**
92554696	SVP-06	8/11/2021	<9.2	**310**	**430**
92557574	SVP-06	8/25/2021	<9.2	**480**	**710**
92558812	SVP-06	9/1/2021	**4.3J**	**160**	**89**
92560663	SVP-06	9/10/2021	**5.4J**	**350**	**360**
92561600	SVP-06	9/15/2021	<9.2	**310**	**410**
92562845	SVP-06	9/22/2021	**2.7J**	**370**	**340**
92563962	SVP-06	9/29/2021	**3.0J**	**200**	**190**
200-57564	SVP-07	3/9/2021	NA	**18**	<12
200-58012	SVP-07	4/8/2021	NA	**200**	<120
200-58345	SVP-07	5/4/2021	NA	<120	<120
200-58577	SVP-07_E	5/20/2021	NA	**26**	<12
92545110	SVP-07	6/2/2021	<4.6	**130**	**350**
92545146	SVP-07	6/8/2021	<9.2	**1500**	**380**
92549536	SVP-07	7/14/2021	<4.6	**200**	**220**
92554696	SVP-07	8/11/2021	<9.2	**100**	**110**
92557574	SVP-07	8/25/2021	<9.2	**2000**	**420**
92558812	SVP-07	9/1/2021	<9.2	**44**	**25**
92560663	SVP-07	9/10/2021	<9.2	**170**	**190**
92561600	SVP-07	9/15/2021	<9.2	**690**	**380**
92562845	SVP-07	9/22/2021	<9.2	**200**	**220**
92563962	SVP-07	9/29/2021	**2.3J**	**160**	**140**
200-57564	SVP-08	3/9/2021	NA	**140**	<12
200-58012	SVP-08	4/8/2021	NA	**1100**	**160**
200-58345	SVP-08	5/4/2021	NA	**390**	**360**
200-58577	SVP-08_E	5/20/2021	NA	**86**	<12
92545110	SVP-08	6/2/2021	<4.6	**770**	**550**
92545146	SVP-08	6/8/2021	<9.2	**690**	**290**
92549536	SVP-08	7/14/2021	<4.6	**200**	**230**
92554696	SVP-08	8/11/2021	<9.2	**310**	**190**
92557574	SVP-08	8/25/2021	<9.2	**660**	**510**
92558812	SVP-08	9/1/2021	**2.9J**	**52**	**49**
92560663	SVP-08	9/10/2021	<9.2	**200**	**340**
92561600	SVP-08	9/15/2021	<9.2	**230**	**290**
92562845	SVP-08	9/22/2021	**3.0J**	**270**	**240**

Table 10
Summary of Acrolein Concentrations in Ambient Air and Soil Vapor

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Sample Date	VOCs (µg/m^3)	APH (µg/m^3)	
			Acrolein	C5-C8 Aliphatics	C9-C12 Aliphatics
Sub-slab and Exterior SGSL			**NE**	**4,200**	**700**
IASL (A), TCR=1.0E-06 THQ=0.2			**0.0042**	**130**	**21**
92563962	SVP-08	9/29/2021	<9.2	**130**	**150**
200-57564	SVP-09	3/9/2021	NA	**71**	<12
200-58012	SVP-09	4/8/2021	NA	**480**	**270**
200-58345	SVP-09	5/4/2021	NA	<120	<120
200-58577	SVP-09_E	5/20/2021	NA	**39**	<12
92545110	SVP-09	6/2/2021	<4.6	**2900**	**460**
92545146	SVP-09	6/8/2021	<9.2	**290**	**370**
92549536	SVP-09	7/14/2021	<4.6	**330**	**300**
92554696	SVP-09	8/11/2021	<9.2	**350**	**250**
92557574	SVP-09	8/25/2021	<9.2	**170**	**310**
92558812	SVP-09	9/1/2021	**4.1J**	**64**	<10
92560663	SVP-09	9/10/2021	**3.7J**	**360**	**240**
92561600	SVP-09	9/15/2021	<9.2	**160**	**190**
92562845	SVP-09	9/22/2021	<9.2	**200**	**170**
92563962	SVP-09	9/29/2021	<9.2	**130**	**150**
200-57564	SVP-10	3/9/2021	NA	**150**	<12
200-58012	SVP-10	4/8/2021	NA	**1500000**	<170000
200-58348	SVP-10	5/4/2021	NA	**1400000**	<250000
200-58578	SVP-10_E	5/20/2021	NA	**57000**	<1900
92545111	SVP-10	6/2/2021	<6,900	**7700000**	**94000**
92545148	SVP-10	6/8/2021	<9.2	**2500000**	**40000**
92549530	SVP-10	7/14/2021	<92	**740000**	**1100**
92554702	SVP-10	8/11/2021	<9.2	**370**	**130**
92557570	SVP-10	8/25/2021	<9.2	**450**	**210**
92558811	SVP-10	9/1/2021	<9.2	**16**	**23**
92560665	SVP-10	9/10/2021	**3.2J**	**780**	**410**
92561604	SVP-10	9/15/2021	**2.6J**	**640**	**200**
92562848	SVP-10	9/22/2021	**2.7J**	**190**	**150**
92563966	SVP-10	9/29/2021	<9.2	**2700**	**150**
200-57564	SVP-11	3/9/2021	NA	**58**	<12
200-58012	SVP-11	4/8/2021	NA	**9400**	<120
200-58348	SVP-11	5/4/2021	NA	**37000**	<1500
200-58578	SVP-11_E	5/20/2021	NA	**35**	<12
92545111	SVP-11	6/2/2021	<4.6	**340**	**340**
92545148	SVP-11	6/8/2021	<9.2	**850**	**190**
92549530	SVP-11	7/17/2021	<4.6	**200**	**220**
92554702	SVP-11	8/11/2021	<9.2	**450**	**220**
92557570	SVP-11	8/25/2021	<9.2	**240**	**280**
92558811	SVP-11	9/1/2021	<9.2	**31**	**17**
92560665	SVP-11	9/10/2021	<9.2	**190**	**240**
92561604	SVP-11	9/15/2021	<9.2	**200**	**170**
92562848	SVP-11	9/22/2021	<9.2	**120**	**170**
92563966	SVP-11	9/29/2021	<9.2	**120**	**140**
200-57564	SVP-12	3/9/2021	NA	**450**	**60**
200-57564	DUP-1	3/9/2021	NA	**1400**	<12
200-58012	SVP-12	4/8/2021	NA	**2800000**	<120000
200-58348	SVP-12	5/4/2021	NA	**3400000**	<200000
200-58578	SVP-12_E	5/20/2021	NA	**57**	<12
92545111	SVP-12	6/2/2021	<4.6	**490**	**410**
92545148	SVP-12	6/8/2021	<9.2	**300**	**220**
92549530	SVP-12	7/14/2021	<4.6	**120**	**130**
92554702	SVP-12	8/11/2021	<9.2	**420**	**190**
92557570	SVP-12	8/25/2021	<1400	**2700000**	**14000**
92558811	SVP-12	9/1/2021	<92	**600**	**550**
92560665	SVP-12	9/10/2021	<92	**77000**	**30000**
92561604	SVP-12	9/15/2021	<92	**5200**	**10000**
92562848	SVP-12	9/22/2021	<9.2	**650**	**240**
92563966	SVP-12	9/29/2021	<9.2	**160**	**43**
200-57564	SVP-13	3/9/2021	NA	**270**	<12
200-58012	SVP-13	4/8/2021	NA	**100000**	<9000
200-58345	SVP-13	5/4/2021	NA	**120000**	**750**
200-58577	SVP-13_E	5/20/2021	NA	**50**	<12
92545110	SVP-13	6/2/2021	<4.6	**330**	**240**
92545146	SVP-13	6/8/2021	<9.2	**220**	**140**
92549536	SVP-13	7/14/2021	<4.6	**260**	**280**
92554696	SVP-13	8/11/2021	<9.2	**170**	**110**
92557574	SVP-13	8/25/2021	<9.2	**380**	**370**
92558812	SVP-13	9/1/2021	<9.2	**52**	**18**
92560663	SVP-13	9/10/2021	<9.2	**480**	**350**
92561600	SVP-13	9/15/2021	**3.2J**	**430**	**270**
92562845	SVP-13	9/22/2021	<9.2	**130**	**190**

Table 10
Summary of Acrolein Concentrations in Ambient Air and Soil Vapor

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Lab Report Number	Sample ID	Sample Date	VOCs (µg/m^3)	APH (µg/m^3)	
			Acrolein	C5-C8 Aliphatics	C9-C12 Aliphatics
Sub-slab and Exterior SGSL			**NE**	**4,200**	**700**
IASL (A), TCR=1.0E-06 THQ=0.2			**0.0042**	**130**	**21**
92563962	SVP-13	9/29/2021	<9.2	**120**	**120**
200-58578	SVP-14_E	5/20/2021	NA	**75**	**43**
92545111	SVP-14	6/2/2021	<4.6	**680**	**750**
92545148	SVP-14	6/8/2021	<9.2	**810**	**210**
92549530	SVP-14	7/14/2021	<4.6	**3500**	**190**
92554702	SVP-14	8/11/2021	<9.2	**290**	**300**
92557570	SVP-14	8/25/2021	<9.2	**160**	**230**
92558811	SVP-14	9/1/2021	<9.2	**21**	**32**
92560665	SVP-14	9/10/2021	<9.2	**370**	**260**
92561604	SVP-14	9/15/2021	<9.2	**180**	**150**
92562848	SVP-14	9/22/2021	**2.7J**	**160**	**160**
92563966	SVP-14	9/29/2021	<9.2	**120**	**130**
200-58578	SVP-15_E	5/20/2021	NA	**54**	**18**
92545111	SVP-15	6/2/2021	<4.6	**760**	**1000**
92545148	SVP-15	6/8/2021	<9.2	**2000**	**770**
92549530	SVP-15	7/14/2021	<4.6	**410**	**540**
92554702	SVP-15	8/11/2021	<9.2	**580**	**350**
92557570	SVP-15	8/25/2021	<9.2	**340**	**540**
92558811	SVP-15	9/1/2021	<9.2	**35**	**56**
92560665	SVP-15	9/10/2021	**6.4J**	**540**	**450**
92561604	SVP-15	9/15/2021	<9.2	**230**	**250**
92562848	SVP-15	9/22/2021	<9.2	**220**	**290**
92563966	SVP-15	9/29/2021	**3.7J**	**520**	**310**
92562853	SVP-16	9/22/2021	**4.4J**	**280**	**290**
92562854	SVP-17	9/22/2021	**2.4J**	**190**	**13000**
92562850	SVP-18	9/22/2021	<9.2	**170**	**240**
92562852	SVP-19	9/22/2021	<9.2	**240**	**230**
92562858	SVP-20	9/22/2021	**2.3J**	**180**	**130**
92562859	SVP-21	9/22/2021	**2.5J**	**320**	**180**
92562862	DUP-2	9/22/2021	**3.7J**	**720**	**310**
92567100	SVP-22	10/15/2021	**3.7J**	**250**	**230**

Notes:
NA - Not Analyzed
ID - Identification
All units reported in micrograms per cubic meter (µg/m^3)
"<" - Indicates compound was not detected above laboratory reporting limit
J - Estimated concentration below laboratory reporting limit
VOCs - Volatile Organic Compounds analyzed by Method TO-15
APH - Air Phase Petroleum Hydrocarbons
Blue fill: shows detections of acrolein and corresponding C5-C8 and C9-C12 aliphatic concentrations
Samples beginning with "DUP" are field duplicates and co-samples of the preceeding row
SGSL = Soil Gas Screening Level
IASL = Indoor Air Screening Level
SGSLs and IASLs are based on February 2018 NCDEQ Residential Vapor Intrusion Screening Levels
NA - Not Analyzed

Table 11
Summary of System One Operating Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Date	Time	Initials	Inlet Temperature (Deg. F)	Outlet Temperature (Deg. F)	Signal (V)	Flame Ox VFD Speed (%)	Blower VFD Speed (%)	Vacuum (inches of H_2O)
12/15/2020	System operational							
To								
12/23/2020								
12/24/2020	System offline for monthly gauging							
12/25/2020								
12/26/2020								
12/27/2020	System operational							
12/28/2020	System offline for system modification (piping modifications)							
12/29/2020								
12/30/2020								
12/31/2020	System operational							
To								
1/19/2021								
1/20/2021	System offline for system modification							
1/21/2021	System operational							
To								
1/28/2021								
1/29/2021	System offline for system modification							
1/30/2021								
1/31/2021	System offline for monthly gauging							
2/1/2021								
2/2/2021								
2/3/2021	System operational							
To								
2/8/2021								

Table 11
Summary of System One Operating Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Date	Time	Initials	Inlet Temperature (Deg. F)	Outlet Temperature (Deg. F)	Signal (V)	Flame Ox VFD Speed (%)	Blower VFD Speed (%)	Vacuum (inches of H_2O)
2/9/2021	System offline for component replacement (replace ThermOx with FlameOx)							
To								
3/20/2021								
3/21/2021	System offline for maintenance							
3/22/2021								
3/23/2021								
3/24/2021	System operational							
To								
3/30/2021								
3/31/2021	System offline for monthly gauging							
4/1/2021								
4/2/2021								
4/3/2021	System operational							
To								
4/12/2021								
4/13/2021	System offline for component replacement (replace blower)							
4/14/2021								
4/15/2021	System offline for maintenance							
4/16/2021	System operational							
To								
4/27/2021								
4/28/2021	System offline for monthly gauging							
4/29/2021								
4/30/2021								
5/1/2021	System operational							
To								
5/11/2021								

Table 11
Summary of System One Operating Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Date	Time	Initials	Inlet Temperature (Deg. F)	Outlet Temperature (Deg. F)	Signal (V)	Flame Ox VFD Speed (%)	Blower VFD Speed (%)	Vacuum (inches of H_2O)
5/12/2021	System offline for pump optimization							
5/13/2021								
5/14/2021	System operational							
To								
5/16/2021								
5/17/2021	System offline for monthly gauging							
5/18/2021								
5/19/2021	System operational							
To								
5/24/2021								
5/25/2021	System offline for monthly gauging							
5/26/2021								
5/27/2021								
5/28/2021	System operational							
To								
5/30/2021								
5/31/2021	System offline for monthly gauging							
6/1/2021								
6/2/2021	System operational							
To								
6/7/2021								
6/8/2021	System offline for pump optimization							
6/9/2021								
6/10/2021	System operational							
To								
6/14/2021								
6/15/2021	System offline 18 hours for pump optimization							

Table 11
Summary of System One Operating Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Date	Time	Initials	Inlet Temperature (Deg. F)	Outlet Temperature (Deg. F)	Signal (V)	Flame Ox VFD Speed (%)	Blower VFD Speed (%)	Vacuum (inches of H_2O)
6/15/2021	6:55	JPS	1653	1574	-	NM	45.7	25
6/15/2021	15:20	JPS	1397	1333	-	NM	45.7	25
6/15/2021	17:29	JPS	1738	1648	-	NM	45.7	35
6/16/2021	6:52	JPS	1751	1657	-	NM	45.7	35
6/16/2021	15:55	JPS	1752	1655	-	NM	45.7	35
6/17/2021	6:45	JPS	1751	1654	-	NM	45.7	35
6/17/2021	13:41	JPS	1753	1656	-	NM	47.7	35
6/17/2021	17:10	JPS	1770	1668	-	NM	47.7	35
6/18/2021	9:02	JPS	1750	1617	-	NM	47.7	35
6/18/2021	11:25	MT	1754	1656	-	NM	45.7	35
6/18/2021	15:25	MT	1751	1659	-	NM	45.7	35
6/19/2021	7:25	MT	1760	1657	-	NM	45.7	35
6/19/2021	12:39	MT	1742	1652	-	NM	45.7	35
6/19/2021	15:35	MT	1745	1651	-	NM	45.7	35
6/20/2021	9:25	KZ	1752	1655	-	NM	45.7	35
6/20/2021	15:48	KZ	1766	1664	-	NM	45.7	35
6/21/2021	8:40	BC	1751	1652	-	NM	NM	35
6/21/2021	16:42	BC	1739	1651	-	NM	45.7	35
6/22/2021	7:30	BC	1756	1654	-	NM	45.7	35
6/22/2021	17:35	BC	1749	1650	-	NM	45.7	35
6/23/2021	7:36	BC	1685	1652	-	NM	45.7	35
6/23/2021	16:27	BC	1756	1656	-	NM	45.7	35
6/24/2021	8:34	BC	1756	1652	-	NM	45.7	35
6/24/2021	14:22	BC	1756	1657	-	NM	45.7	35
6/24/2021	16:45	BC	1757	1652	-	NM	45.7	35

Table 11
Summary of System One Operating Data

Colonial Pipeline Company
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Date	Time	Initials	Inlet Temperature (Deg. F)	Outlet Temperature (Deg. F)	Signal (V)	Flame Ox VFD Speed (%)	Blower VFD Speed (%)	Vacuum (inches of H_2O)
6/25/2021	9:30	BC	1733	1643	-	NM	45.7	35
6/25/2021	12:54	BC	1754	1653	-	NM	45.7	35
6/25/2021	15:50	BC	1755	1653	-	NM	45.7	35
6/25/2021	16:54	BC	1760	1656	-	NM	45.7	35
6/26/2021	8:01	BC	1757	1656	-	NM	45.7	35
6/26/2021	13:12	BC	1751	1651	-	NM	45.7	35
6/26/2021	16:27	BC	1759	1654	-	NM	45.7	35
6/27/2021	10:47	BC	1752	1653	-	NM	45.7	34
6/27/2021	16:00	BC	1737	1644	-	NM	45.7	34
6/28/2021	9:21	BC	1754	1650	-	NM	45.7	35
6/28/2021	16:00	BC	1412	1356	-	NM	45.7	35
6/28/2021	17:35	BC	1409	1380	-	NM	45.7	35
6/29/2021	11:16	BC	1441	1399	-	NM	45.7	35
6/29/2021	16:15	BC	1388	1285	-	NM	45.7	35
6/30/2021	8:52	BC	1523	1475	-	NM	45.7	35
7/3/2021	15:05	MT	1563	1510	-	NM	45.7	30
7/4/2021	8:50	KZ	1707	1615	-	NM	45.7	34
7/4/2021	15:40	KZ	1654	1566	-	NM	45.7	34
7/5/2021	8:25	KZ	1622	1543	-	NM	45.7	33
7/6/2021	11:05	JDS	1586	1524	-	40.0	82.2	34
7/6/2021	13:01	JDS	1646	1565	-	40.0	81.4	34
7/6/2021	16:00	JDS	1757	1651	-	70.1	81.0	34
7/7/2021	6:17	JPS	1748	16565	-	60.1	81.0	30
7/7/2021	8:43	JDS	1749	1653	-	57.1	82.6	30
7/7/2021	13:39	JDS	1757	1652	-	70.7	81.1	30

Table 11
Summary of System One Operating Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Date	Time	Initials	Inlet Temperature (Deg. F)	Outlet Temperature (Deg. F)	Signal (V)	Flame Ox VFD Speed (%)	Blower VFD Speed (%)	Vacuum (inches of H_2O)
7/8/2021	6:53	BC	1760	1656	-	59.8	82.2	30
7/8/2021	8:05	JDS	1753	1654	-	61.8	82.3	30
7/8/2021	11:52	JDS	1746	1650	-	56.6	82.3	30
7/8/2021	16:13	JDS	1749	1649	-	57.0	81.1	30
7/9/2021	8:10	BC	1755	1650	-	61.4	82.6	30
7/9/2021	11:58	JDS	1761	1654	-	71.5	81.2	30
7/9/2021	15:47	JDS	1752	1650	-	63.9	82.4	31
7/10/2021	System offline 4.5 hours for O&M							
7/10/2021	12:48	BC	1771	1670	-	59.4	80.8	30
7/10/2021	14:56	BC	1746	1654	-	55.8	80.9	30
7/10/2021	16:01	JDS	1742	1645	-	51.2	80.2	30
7/11/2021	6:48	BC	1749	1654	-	54.1	82.2	30
7/11/2021	15:30	MT	1757	1650	-	62.5	79.9	30
7/12/2021	8:48	JDS	1744	1650	-	52.7	82.5	30
7/12/2021	12:31	MT	1744	1652	-	59.6	81.4	30
7/12/2021	15:15	MT	1758	1662	-	53.2	81.0	30
7/12/2021	16:39	JDS	1744	1644	-	56.4	80.8	30
7/13/2021	9:12	BC	1750	1655	-	61.2	81.0	30
7/13/2021	15:57	JDS	1401	1336	-	40.0	76.8	0
7/13/2021	16:02	BC	1403	1342	-	40.0	76.8	0
7/14/2021	9:14	BC	1404	1338	-	40.0	78.7	0
7/14/2021	13:36	BC	1400	1339	-	40.0	78.7	0
7/14/2021	17:13	BC	1407	1341	-	40.0	78.7	0
7/15/2021	10:55	BC	1693	1613	-	40.0	80.8	18
7/15/2021	16:35	BC	1713	1620	-	70.4	79.5	18
7/16/2021	7:52	BC	1624	1554	-	40.0	81.8	25
7/16/2021	10:48	BC	1754	1664	-	60.1	83.3	40
7/16/2021	16:50	BC	1749	1652	-	75.8	82.8	25

Table 11
Summary of System One Operating Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Date	Time	Initials	Inlet Temperature (Deg. F)	Outlet Temperature (Deg. F)	Signal (V)	Flame Ox VFD Speed (%)	Blower VFD Speed (%)	Vacuum (inches of H_2O)
7/17/2021	10:58	KZ	1756	1660	-	56.3	81.6	25
7/17/2021	15:20	KZ	1754	1652	-	67.9	80.3	25
7/18/2021	9:35	KZ	1741	1649	-	47.9	82.3	25
7/18/2021	13:35	KZ	1748	1653	-	53.2	81.8	25
7/18/2021	16:45	KZ	1747	1652	-	60.3	80.9	25
7/19/2021	7:31	BC	1748	1656	-	55.4	81.0	25
7/19/2021	11:16	BC	1768	1677	-	84.4	81.1	25
7/20/2021	8:15	JDS	1761	1657	-	64.2	83.2	25
7/20/2021	12:31	JDS	1739	1651	-	83.3	83.0	30
7/20/2021	16:48	JDS	1759	1656	-	70.0	83.0	31
7/20/2021	System offline for O&M							
7/21/2021	10:52	JDS	1761	1656	-	71.2	83.5	30
7/21/2021	10:58	BC	1757	1656	-	70.0	83.2	35
7/21/2021	14:04	BC	1743	1652	-	80.4	82.2	30
7/21/2021	16:34	BC	1742	1651	-	54.2	82.1	30
7/22/2021	8:29	JDS	1748	1651	-	72.0	85.0	30
7/22/2021	12:19	BC	1773	1668	-	68.8	84.0	30
7/22/2021	16:46	BC	1759	1660	-	70.8	83.1	30
7/23/2021	7:43	BC	1746	1652	-	61.1	85.4	30
7/23/2021	11:44	JDS	1754	1657	-	59.6	84.1	29
7/23/2021	17:13	JDS	1759	1655	-	65.1	83.3	30
7/24/2021	7:48	JDS	1750	1655	-	62.9	85.1	32
7/24/2021	13:03	JDS	1745	1655	-	84.0	83.9	33
7/24/2021	16:02	CDR	1750	1655	-	82.6	84.9	30

Table 11
Summary of System One Operating Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Date	Time	Initials	Inlet Temperature (Deg. F)	Outlet Temperature (Deg. F)	Signal (V)	Flame Ox VFD Speed (%)	Blower VFD Speed (%)	Vacuum (inches of H_2O)
7/25/2021	8:08	CDR	1749	1654	-	47.3	84.9	30
7/25/2021	13:15	KZ	1696	1608	-	40.0	83.7	30
7/25/2021	15:45	-	1701	1613	-	40.0	83.3	30
7/26/2021	7:59	BC	0:00	1656	-	75.8	83.2	30
7/26/2021	11:36	JDS	1392	1327	-	40.0	80.6	0
7/26/2021	16:22	JDS	1402	1338	-	40.0	80.2	0
7/27/2021	6:53	JDS	1401	1338	-	40.0	81.8	0
7/27/2021	12:10	JDS	1403	1342	-	40.0	80.9	0
7/27/2021	17:10	BC	1397	1334	-	40.0	80.8	0
7/28/2021	11:23	BC	1738	1647	-	76.5	83.7	30
7/28/2021	14:00	BC	1747	1655	-	58.8	82.6	30
7/28/2021	16:25	JDS	1748	1650	-	40.0	82.5	31
7/29/2021	8:05	BC	1582	1534	-	40.0	84.3	25
7/29/2021	11:42	JDS	1734	1638	-	40.0	83.4	29
7/29/2021	16:56	BC	1741	1647	-	40.0	83.7	29
7/30/2021	7:38	BC	1669	1587	-	40.0	83.0	26
7/30/2021	12:11	BC	1691	1603	-	40.0	83.9	28
7/30/2021	16:23	JDS	1748	1656	-	52.2	83.0	30
7/31/2021	7:40	JDS	1750	1653	-	51.2	85.6	30
7/31/2021	11:48	JDS	1727	1639	-	40.0	84.5	30
7/31/2021	15:55	CDR	1742	1645	-	40.0	83.5	30
8/1/2021	7:25	CDR	1748	1653	-	42.8	55.2	30
8/1/2021	13:20	KZ	1730	1633	-	40.0	83.2	30
8/1/2021	17:00	KZ	1729	1637	-	40.0	84.1	30
8/2/2021	7:44	JDS	1716	1629	-	40.0	86.5	30
8/2/2021	12:07	JDS	1745	1656	-	63.6	85.7	30
8/2/2021	17:08	JDS	1749	1651	-	64.4	85.0	30

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Date	Time	Initials	Inlet Temperature (Deg. F)	Outlet Temperature (Deg. F)	Signal (V)	Flame Ox VFD Speed (%)	Blower VFD Speed (%)	Vacuum (inches of H_2O)
8/3/2021	7:53	BC	1754	1656	5.0	63.7	87.7	30
8/3/2021	13:09	JDS	1746	1658	5.0	58.2	87.9	30
8/3/2021	16:52	JDS	1744	1650	5.0	47.7	86.1	30
8/4/2021	7:38	JDS	1751	1659	5.0	55.8	88.1	30
8/4/2021	12:29	JDS	1747	1656	5.0	46.8	82.1	30
8/4/2021	16:14	BC	1747	1554	5.0	57.2	86.5	30
8/5/2021	7:38	BC	1739	1646	5.0	52.7	88.2	30
8/5/2021	12:13	BC	1747	1654	5.0	68.6	86.9	30
8/5/2021	12:15	System offline for component replacement (pressure relief valve)						
8/5/2021	16:00	BC	1777	1694	5.0	96.9	61.7	30
8/5/2021	17:05	BC	1742	1651	5.0	77.0	60.1	25
8/6/2021	9:05	BC	1778	1688	5.0	88.1	63.3	30
8/6/2021	12:55	BC	1746	1657	5.0	95.4	61.8	30
8/6/2021	15:27	CDR	1741	1656	5.0	89.7	61.9	30
8/7/2021	7:36	JDS	1747	1646	5.0	89.1	63.9	30
8/7/2021	11:40	JDS	1743	1656	5.0	90.9	63.4	31
8/7/2021	15:35	CDR	1844	1747	5.0	100.0	62.9	35
8/8/2021	8:42	KZ	1790	1698	5.0	100.0	64.4	35
8/8/2021	12:36	CDR	1842	1741	5.0	100.0	63.3	35
8/8/2021	15:27	CDR	1833	1730	5.0	100.0	62.6	35
8/9/2021	6:45	MT	System offline for O&M					
8/12/2021	14:22	BC	1772	1679	5.0	74.1	66.7	30
8/12/2021	15:16	BC	1722	1624	5.0	82.4	65.9	25
8/12/2021	17:00	BC	1751	1657	5.0	66.1	65.5	25

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Date	Time	Initials	Inlet Temperature (Deg. F)	Outlet Temperature (Deg. F)	Signal (V)	Flame Ox VFD Speed (%)	Blower VFD Speed (%)	Vacuum (inches of H_2O)
8/13/2021	8:51	BC	1750	1656	5.0	72.5	67.3	25
8/13/2021	12:50	JDS	1741	1644	5.0	65.0	66.3	30
8/13/2021	16:32	JDS	1741	1654	5.0	95.2	62.3	30
8/14/2021	8:55	JPS	1749	1647	5.0	58.9	66.9	25
8/14/2021	12:16	CA	1745	1649	5.0	69.8	65.8	25
8/15/2021	7:32	KZ	1750	1656	5.0	69.4	67.8	25
8/15/2021	12:22	KZ	1764	1667	5.0	62.2	66.6	25
8/15/2021	15:53	KZ	1763	1669	5.0	77.6	66.3	25
8/16/2021	7:38	JOS	1749	1656	5.0	77.9	67.7	30
8/16/2021	11:53	JOS	1750	1657	5.0	70.3	67.1	30
8/16/2021	15:50	JOS	1741	1646	5.0	87.3	67.3	25
8/17/2021	7:34	JOS	1743	1651	5.0	80.3	68.1	25
8/17/2021	12:00	JOS	1575	1509	5.0	40.0	65.9	20
8/17/2021	17:11	JOS	1750	1653	5.0	73.9	66.4	25
8/18/2021	7:49	JOS	1746	1655	5.0	78.4	68.0	25
8/18/2021	11:27	JOS	1743	1650	5.0	81.1	67.4	25
8/18/2021	16:17	JOS	1738	1650	5.0	89.7	66.7	25
8/19/2021	7:55	BC	1740	1651	5.0	82.3	68.1	26
8/19/2021	13:01	JOS	1742	1653	5.0	89.8	66.6	25
8/19/2021	17:12	JOS	1741	1646	5.0	81.5	66.2	25
8/20/2021	8:34	JOS	1745	1653	5.0	69.7	68.1	25
8/20/2021	11:21	JOS	1749	1656	5.0	79.2	67.8	26
8/20/2021	System offline for O&M							
8/20/2021	16:42	JOS	1780	1700	5.0	40.0	65.3	22

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Date	Time	Initials	Inlet Temperature (Deg. F)	Outlet Temperature (Deg. F)	Signal (V)	Flame Ox VFD Speed (%)	Blower VFD Speed (%)	Vacuum (inches of H_2O)
8/21/2021	8:18	BC	1754	1655	5.0	45.6	68.0	22
8/21/2021	13:18	JOS	1754	1665	5.0	88.2	67.0	27
8/21/2021	15:27	JOS	1752	1658	5.0	76.2	66.6	27
8/22/2021	7:55	KZ	1736	1647	5.0	82.4	68.4	27
8/22/2021	12:55	KZ	1739	1652	5.0	92.4	66.9	27
8/22/2021	16:13	KZ	1735	1652	5.0	94.9	66.5	27
8/22/2021	17:05	KZ	1728	1632	5.0	79.2	65.9	25
8/23/2021	7:38	BC	1744	1654	5.0	85.0	67.9	25
8/23/2021	12:41	BC	1742	1651	5.0	71.5	66.2	25
8/23/2021	16:51	JDS	1748	1654	5.0	69.1	66.4	25
8/24/2021	7:26	BC	1796	1652	5.0	76.8	68.4	26
8/24/2021	12:25	JDS	1745	1652	5.0	79.9	67.4	26
8/24/2021	15:41	JDS	1743	1648	5.0	84.1	66.6	26
8/25/2021	7:33	BC	1736	1651	5.0	87.1	69.1	26
8/25/2021	12:17	BC	1556	1482	5.0	40.0	64.6	14
8/25/2021	16:09	BC	1399	1333	5.0	40.0	62.1	0
8/26/2021	7:45	BC	1408	1342	5.0	40.0	64.4	0
8/26/2021	15:30	System Restart						
8/26/2021	17:08	BC	1801	1711	5.0	64.3	67.8	26
8/26/2021	17:12	BC	1786	1679	5.0	42.1	67.8	20
8/27/2021	7:34	BC	1847	1747	5.0	55.8	70.1	28
8/27/2021	13:56	JDS	1836	1744	5.0	100.0	69.1	32
8/27/2021	16:23	JDS	1739	1640	5.0	61.8	67.5	22
8/28/2021	6:50	MT	1749	1655	5.0	65.9	68.6	20
8/28/2021	11:20	MT	1747	1653	5.0	63.1	67.7	23
8/28/2021	15:23	MT	1753	1657	5.0	59.9	68.9	23
8/29/2021	7:45	KZ	1744	1649	5.0	55.7	69.0	23
8/29/2021	12:28	KZ	1755	1659	5.0	65.4	67.2	23

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Date	Time	Initials	Inlet Temperature (Deg. F)	Outlet Temperature (Deg. F)	Signal (V)	Flame Ox VFD Speed (%)	Blower VFD Speed (%)	Vacuum (inches of H_2O)
8/29/2021	15:40	KZ	1743	1652	5.0	69.7	66.4	23
8/30/2021	7:45	JDS	1749	1656	5.0	66.0	69.8	23
8/30/2021	11:40	MT	1740	1654	5.0	87.5	68.4	28
8/30/2021	16:34	JDS	1748	1654	5.0	82.1	67.0	25
8/31/2021	8:31	JDS	1745	1652	5.0	72.3	69.3	25
8/31/2021	13:04	JDS	1753	1660	5.0	74.2	67.9	26
8/31/2021	15:24	System Down (pump tie in)						
8/31/2021	16:47	JDS	1753	1670	5.0	40.0	66.9	24
9/1/2021	7:40	BC	1746	1650	5.0	68.5	68.3	24
9/1/2021	12:38	JDS	1754	1655	5.0	55.6	68.1	25
9/1/2021	15:56	JDS	1778	1672	5.0	68.1	67.4	25
9/2/2021	7:43	BC	1745	1650	5.0	48.5	69.8	24
9/2/2021	13:01	JDS	1754	1661	5.0	69.2	68.8	25
9/2/2021	15:56	JDS	1745	1651	5.0	69.2	69.6	30
9/3/2021	6:58	JDS	1758	1663	5.0	73.2	70.3	22
9/3/2021	10:32	System Down (Generator Service)						
9/3/2021	11:36	JDS	1799	1714	5.0	40.0	69.6	25
9/4/2021	8:42	CA	1733	1643	5.0	62.1	70.2	24
9/4/2021	13:14	CA	1751	1658	5.0	71.8	68.7	24
9/4/2021	16:00	CA	1761	1663	5.0	65.8	68.4	24
9/5/2021	7:48	KZ	1738	1645	5.0	43.2	70.0	24
9/5/2021	12:25	KZ	1747	1656	5.0	71.6	68.5	25
9/5/2021	16:25	KZ	1742	1654	5.0	86.8	67.8	25
9/6/2021	7:55	KZ	1739	1656	5.0	90.6	69.7	25
9/6/2021	13:10	KZ	1744	1651	5.0	62.2	68.8	25
9/6/2021	15:24	KZ	1748	1655	5.0	68.7	68.4	24
9/7/2021	7:18	BC	1748	1657	5.0	68.0	70.5	24
9/7/2021	13:07	BC	1745	1656	5.0	70.6	68.5	24

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Date	Time	Initials	Inlet Temperature (Deg. F)	Outlet Temperature (Deg. F)	Signal (V)	Flame Ox VFD Speed (%)	Blower VFD Speed (%)	Vacuum (inches of H_2O)
9/7/2021	16:59	JDS	1747	1652	5.0	67.8	68.4	24
9/8/2021	7:00	JDS	1746	1652	5.0	74.0	69.7	25
9/8/2021	12:22	BC	1747	1651	5.0	58.1	68.9	24
9/8/2021	16:16	BC	1745	1654	5.0	76.4	68.4	24
9/9/2021	7:52	BC	1737	1645	5.0	73.2	69.5	25
9/9/2021	12:01	BC	1755	1661	5.0	74.8	69.2	25
9/9/2021	15:48	JDS	1739	1650	5.0	73.3	68.9	24
9/10/2021	11:00	System Down (pump tie in)						
9/10/2021	12:48	BC	1765	1677	5.0	51.4	69.9	24
9/10/2021	16:44	BC	1744	1648	5.0	65.1	68.8	24
9/11/2021	7:31	JDS	1753	1660	5.0	58.6	71.4	24
9/11/2021	12:04	JDS	1749	1657	5.0	65.0	69.8	24
9/11/2021	16:04	JDS	1744	1650	5.0	66.7	69.4	24
9/12/2021	8:00	KZ	1743	1647	5.0	53.7	71.5	25
9/12/2021	12:00	KZ	1748	1653	5.0	54.4	69.9	25
9/12/2021	15:45	KZ	1747	1653	5.0	74.9	68.8	25
9/13/2021	7:38	BC	1742	1650	5.0	67.0	71.3	24
9/13/2021	13:35	BC	1751	1646	5.0	70.3	69.2	24
9/13/2021	15:57	JOS	1748	1653	5.0	87.9	68.7	24
9/14/2021	7:30	JOS	1743	1653	5.0	82.4	70.8	24
9/14/2021	System offline for O&M							
9/14/2021	17:38	JOS	1755	1671	5.0	40.0	67.9	24
9/15/2021	System offline SVE Blower Fault							
9/15/2021	8:44	BC	1557	1496	5.0	40.0	67.2	20
9/15/2021	12:25	BC	1392	1322	5.0	40.0	62.7	0
9/15/2021	15:49	JOS	1401	1344	5.0	40.0	62.7	1
9/15/2021	22:00	System Fault						
9/16/2021	7:30	System Start Up						

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Date	Time	Initials	Inlet Temperature (Deg. F)	Outlet Temperature (Deg. F)	Signal (V)	Flame Ox VFD Speed (%)	Blower VFD Speed (%)	Vacuum (inches of H_2O)
9/16/2021	11:10	System Down for Generator Servicing						
9/16/2021	14:10	System Start Up						
9/16/2021	14:21	System Fault						
9/16/2021	17:30	System Start Up						
9/16/2021	17:50	BC	1692	1627	5.0	40.0	66.9	24
9/16/2021	18:44	System Fault						
9/17/2021	13:55	System Start Up						
9/17/2021	17:10	JDS	1687	1603	5.0	40.0	67.6	22
9/18/2021	6:55	JDS	1695	1597	5.0	40.0	39.3	24
9/18/2021	12:35	JDS	1777	1680	5.0	55.8	70.1	25
9/18/2021	16:07	JDS	1744	1654	5.0	51.0	69.2	26
9/19/2021	7:45	KZ	1746	1657	5.0	45.0	71.2	25
9/19/2021	12:59	KZ	1753	1656	5.0	48.0	69.8	25
9/19/2021	16:08	KZ	1745	1651	5.0	46.5	69.2	25
9/20/2021	7:57	BC	1748	1655	5.0	55.6	71.2	25
9/20/2021	12:47	JDS	1744	1654	5.0	48.8	70.5	26
9/20/2021	16:14	JDS	1746	1656	5.0	50.2	70.2	26
9/21/2021	8:20	BC	1744	1653	5.0	51.6	71.8	25
9/21/2021	12:53	JDS	1747	1655	5.0	51.4	71.6	26
9/21/2021	16:41	MT	1742	1654	5.0	51.5	71.7	26
9/22/2021	7:25	BC	1743	1659	5.0	48.3	71.1	26
9/22/2021	14:19	BC	1398	1338	5.0	40.0	66.1	4
9/22/2021	15:51	JDS	1405	1347	5.0	40.0	65.7	4
9/23/2021	7:31	BC	1402	1342	5.0	40.0	68.2	4
9/23/2021	13:05	BC	1402	1340	5.0	40.0	68.3	4
9/23/2021	14:00	Change Out Generator						
9/23/2021	16:50	JDS	1745	1652	5.0	56.0	70.7	25
9/24/2021	8:03	BC	1746	1653	5.0	45.8	73.1	25

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Date	Time	Initials	Inlet Temperature (Deg. F)	Outlet Temperature (Deg. F)	Signal (V)	Flame Ox VFD Speed (%)	Blower VFD Speed (%)	Vacuum (inches of H_2O)
9/24/2021	11:39	BC	1746	1651	5.0	54.4	72.8	28
9/24/2021	16:52	JSH	1744	1648	5.0	48.7	71.7	28
9/25/2021	8:45	JDS	177	1653	5.0	51.9	73.8	28
9/25/2021	11:54	JDS	1741	1653	5.0	58.1	72.5	28
9/25/2021	15:38	BC	1732	1651	5.0	64.1	71.7	28
9/26/2021	8:05	KZ	1734	1654	5.0	67.7	74.1	30
9/26/2021	12:20	KZ	1738	1655	5.0	61.0	72.2	30
9/26/2021	16:40	KZ	1732	1650	5.0	63.2	71.6	30
9/27/2021	8:16	BC	1735	1645	5.0	50.8	74.0	30
9/27/2021	12:50	BC	1746	1652	5.0	56.0	70.9	30
9/27/2021	16:15	BC	1739	1654	5.0	60.5	70.9	30
9/28/2021	8:05	BC	1739	1644	5.0	49.5	73.0	30
9/28/2021	13:59	BC	1750	1658	5.0	51.1	70.6	30
9/28/2021	16:48	BC	1745	1652	5.0	49.8	70.6	30
9/29/2021	7:32	JDS	1747	1654	5.0	51.7	73.1	29
9/29/2021	12:10	MT	1741	1654	5.0	57.7	71.5	28
9/29/2021	16:13	JDS	1745	1653	5.0	54.6	70.7	30
9/30/2021	7:34	JDS	1742	1653	5.0	55.4	73.6	30
9/30/2021	11:57	JDS	1731	1646	5.0	59.4	73.3	32
9/30/2021	15:58	JDS	1741	1653	5.0	66.8	72.6	34
10/1/2021	8:58	JDS	1739	1655	5.0	58.7	74.7	34
10/1/2021	17:03	BC	1736	1651	5.0	70.3	73.1	34
10/2/2021	7:25	MT	1727	1654	5.0	64.1	75.1	33
10/2/2021	11:09	MT	1739	1655	5.0	69.4	73.9	33
10/2/2021	15:19	MT	1742	1656	5.0	75.3	72.6	33
10/3/2021	7:42	JDS	1739	1653	5.0	67.4	74.6	33
10/3/2021	12:33	JDS	1738	1655	5.0	66.1	73.3	34
10/3/2021	15:22	JDS	1739	1649	5.0	81.9	73.1	35

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10/3/2021	15:32	JDS	1466	1338	5.0	35.0	61.4	115
10/4/2021	8:00	JDS	1734	1649	5.0	78.5	74.6	38
10/4/2021	12:03	Jsh	1740	1654	5.0	69.8	74.2	38
10/4/2021	16:18	Jsh	1743	1656	5.0	76.8	73.9	38
10/5/2021	7:53	Jsh	1731	1647	5.0	74.0	75.5	38
10/5/2021	12:30	Jsh	1739	1657	5.0	65.0	74.4	38
10/5/2021	17:12	MT	1738	1648	5.0	71.6	73.9	35
10/6/2021	7:43	Jsh	1741	1658	5.0	76.1	75.4	38
10/6/2021	13:07	Jsh	1739	1654	5.0	79.2	74.5	38
10/6/2021	16:23	Jsh	1741	1653	5.0	76.1	74.0	36
10/7/2021	7:40	Jsh	1737	1655	5.0	69.0	75.0	37
10/7/2021	11:20	Jsh	1735	1653	5.0	68.1	75.1	37
10/7/2021	16:58	MT	1736	1653	5.0	70.3	73.5	34
10/8/2021	7:30	MT	1738	1653	5.0	5.0	75.8	75.2
10/8/2021	11:53	MT	1740	1655	5.0	72.1	73.1	34
10/8/2021	15:49	MT	1740	1656	5.0	72.4	71.3	35
10/9/2021	7:44	Jsh	1744	1654	5.0	54.4	73.2	28
10/9/2021	11:35	Jsh	1744	1656	5.0	66.9	74.9	32
10/9/2021	16:16	CDR	1738	1655	5.0	74.1	72.6	33
10/10/2021	8:21	KZ	1735	1651	5.0	63.8	75.4	34
10/10/2021	12:20	KZ	1737	1657	5.0	64.3	74.1	33
10/10/2021	15:12	KZ	1733	1649	5.0	67.3	73.4	34
10/11/2021	7:38	BC	1733	1651	5.0	64.4	75.1	34
10/11/2021	11:50	Power Loss						
10/11/2021	17:09	JDS	1740	1668	5.0	58.6	66.6	32
10/12/2021	8:07	JDS	1788	1714	5.0	40.0	69.8	32
10/12/2021	12:44	BC	1740	1657	5.0	64.1	68.0	32
10/12/2021	16:28	JDS	1736	1651	5.0	66.0	67.9	30

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Date	Time	Initials	Inlet Temperature (Deg. F)	Outlet Temperature (Deg. F)	Signal (V)	Flame Ox VFD Speed (%)	Blower VFD Speed (%)	Vacuum (inches of H_2O)
10/13/2021	7:53	BC	1738	1652	5.0	65.6	70.1	32
10/13/2021	11:48	BC	1738	1653	5.0	65.4	68.6	32
10/13/2021	13:17	JDS	1739	1652	5.0	68.7	68.1	32
10/14/2021	11:34	JDS	1757	1674	5.0	53.7	66.9	28
10/14/2021	16:58	BC	1750	1655	5.0	44.7	68.9	25
10/15/2021	7:50	BC	1752	1656	5.0	46.3	71.0	25
10/15/2021	13:13	Jsh	1747	1652	5.0	48.5	68.8	26
10/15/2021	16:51	BC	1752	1653	5.0	45.7	68.7	25
10/16/2021	7:53	BC	1751	1652	5.0	47.9	69.9	28
10/16/2021	12:24	BC	1736	1655	5.0	66.8	70.3	30
10/16/2021	15:44	BC	1741	1655	5.0	57.1	71.0	30
10/17/2021	9:06	KZ	1746	1657	5.0	54.0	73.7	30
10/17/2021	12:18	KZ	1742	1652	5.0	50.7	72.7	30
10/17/2021	16:10	KZ	1738	1648	5.0	53.5	71.9	31
10/18/2021	8:23	BC	1785	1709	5.0	51.8	76.6	34
10/18/2021	12:17	BC	1741	1655	5.0	76.8	73.3	36

Notes:
Deg. F - Degrees Fahrenheit
Flame Ox - Flame oxidation unit
O&M - Operation and Maintenance
VFD - Variable frequency drive
% - Percent
Hz - Hertz

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Date	Time	Initials	Inlet Temperature (Deg. F)	Outlet Temperature (Deg. F)	Signal (V)	Flame Ox Hz	Flame Ox VFD Speed (%)	Blower VFD Speed (%)	Vacuum (Inches of H_2O)	Vacuum (inches of Hg)
10/4/2020	Initial start-up and system tuning									
To										
10/18/2020										
10/19/2020	System operational									
To										
12/23/2020										
12/24/2020	System offline for O&M									
12/25/2020										
12/26/2020										
12/27/2020	System operational									
To										
1/20/2021										
1/21/2021	System offline for O&M									
1/22/2021										
1/23/2021	System operational									
To										
1/30/2021										
1/31/2021	System offline for monthly gauging									
2/1/2021										
2/2/2021										
2/3/2021	System operational									
To										
2/22/2021										
2/23/2021	System offline for O&M									
2/24/2021	System operational									
To										
3/2/2021										

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3/3/2021	System offline for monthly gauging									
3/4/2021										
3/5/2021										
3/6/2021	System operational									
To										
3/26/2021										
3/27/2021	System offline for component replacement (Catalytic Oxidizer with FlameOx)									
To										
5/11/2021										
5/12/2021	System operational									
5/13/2021										
5/14/2021	System offline 24 hours for pump optimization									
5/15/2021										
5/16/2021	System operational									
To										
5/24/2021										
5/25/2021	System offline for monthly gauging									
5/26/2021										
5/27/2021										
5/28/2021	System operational									
To										
6/7/2021										
6/8/2021	System offline 32 hours for pump optimization									
6/9/2021										
6/10/2021	System operational									
To										
6/14/2021										

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Date	Time	Initials	Inlet Temperature (Deg. F)	Outlet Temperature (Deg. F)	Signal (V)	Flame Ox Hz	Flame Ox VFD Speed (%)	Blower VFD Speed (%)	Vacuum (Inches of H_2O)	Vacuum (inches of Hg)
6/15/2021	System offline 17 hours for pump optimization and piping modifications									
6/15/2021	6:50	JPS	1524	1383	-	-	NM	48.3	-	6
6/15/2021	System offline 1.5 hours for O&M									
6/15/2021	16:20	JPS	1406	1310	-	-	NM	NM	-	5.5
6/15/2021	16:28	JPS	1410	1317	-	-	NM	57.9	-	6.5
6/16/2021	6:45	JPS	1395	1304	-	-	NM	58.8	-	6.5
6/16/2021	13:20	JPS	1395	1312	-	-	NM	58.8	-	6.5
6/17/2021	7:55	JPS	1400	1303	-	-	NM	59.0	-	7
6/17/2021	13:55	JPS	1397	1300	-	-	NM	59.0	-	7
6/17/2021	17:21	JPS	1393	1303	-	-	NM	59.0	-	7
6/18/2021	8:52	JPS	1400	1307	-	-	NM	71.0	-	8.5
6/18/2021	11:00	MT	1395	1308	-	-	NM	68.8	-	8.5
6/18/2021	15:15	MT	1393	1301	-	-	NM	69.8	-	8.5
6/19/2021	7:05	MT	1401	1306	-	-	NM	70.5	-	8.8
6/19/2021	13:00	MT	1393	1302	-	-	NM	69.9	-	8.8
6/19/2021	15:30	MT	1398	1309	-	-	NM	69.1	-	8.5
6/20/2021	10:10	KZ	1393	1300	-	-	NM	70.7	-	9
6/20/2021	16:48	KZ	1397	1304	-	-	NM	70.1	-	9
6/20/2021	System offline 4.25 hours for O&M									
6/21/2021	16:00	BC	1480	1616	-	-	NM	65.8	-	8.5
6/21/2021	System offline 0.5 hour for O&M									
6/21/2021	18:40	JPS	1424	1345	-	-	NM	65.8	-	8
6/22/2021	9:00	BC	1651	1518	-	-	NM	65.9	-	8
6/23/2021	12:30	BC	1842	1640	-	-	NM	65.8	-	7
6/23/2021	16:45	BC	1691	1516	-	-	NM	65.9	-	7
6/23/2021	System offline 1.25 hours for O&M									
6/23/2021	19:25	JPS	1700	1586	-	-	NM	27.8	-	7.5

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Date	Time	Initials	Inlet Temperature (Deg. F)	Outlet Temperature (Deg. F)	Signal (V)	Flame Ox Hz	Flame Ox VFD Speed (%)	Blower VFD Speed (%)	Vacuum (Inches of H_2O)	Vacuum (inches of Hg)
6/24/2021	8:24	BC	1747	1581	-	-	NM	65.9	-	7
6/24/2021	17:20	BC	1683	1542	-	-	NM	65.8	-	7
6/25/2021	9:40	BC	1638	1503	-	-	NM	65.8	-	7
6/25/2021	13:15	BC	1419	1330	-	-	NM	50.5	-	8
6/25/2021	15:44	BC	1564	1456	-	-	NM	52.0	-	6
6/25/2021	16:58	BC	1472	1364	-	-	NM	52.0	-	6
6/26/2021	9:45	BC	1425	1336	-	-	NM	52.1	-	6
6/26/2021	10:23	BC	1454	1370	-	-	NM	64.1	-	7.5
6/26/2021	14:32	BC	1517	1408	-	-	NM	65.6	-	8
6/26/2021	16:32	BC	1564	1456	-	-	NM	65.6	-	8
6/27/2021	10:56	BC	1515	1409	-	-	NM	65.5	-	8
6/27/2021	17:15	BC	1573	1460	-	-	NM	65.1	-	8
6/28/2021	9:48	BC	1514	1398	-	-	NM	65.2	-	8
6/28/2021	16:05	BC	1552	1431	-	-	NM	65.1	-	8
6/28/2021	17:39	BC	1567	1455	-	-	NM	65.2	-	8
6/29/2021	11:12	BC	1502	1396	-	-	NM	65.2	-	8
6/29/2021	16:32	BC	1507	1399	-	-	NM	65.1	-	8
6/30/2021	8:43	BC	1599	1469	-	-	NM	65.1	-	8
7/1/2021	17:35	BC	1558	1442	-	-	NM	65.1	-	8
7/2/2021	8:35	MT	1556	1445	-	-	NM	66.7	-	8
7/2/2021	11:46	JS	1529	1413	-	-	NM	67.2	-	8
7/2/2021	15:33	JS	1518	1395	-	-	NM	71.0	-	8
7/3/2021	8:30	MT	1571	1453	-	-	NM	68.9	-	8
7/3/2021	14:55	MT	1549	1421	-	-	NM	69.1	-	8.5
7/4/2021	8:55	KZ	1588	1469	-	-	NM	70.0	-	8.5
7/4/2021	16:20	KZ	1571	1453	-	-	NM	68.4	-	8.25

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Date	Time	Initials	Inlet Temperature (Deg. F)	Outlet Temperature (Deg. F)	Signal (V)	Flame Ox Hz	Flame Ox VFD Speed (%)	Blower VFD Speed (%)	Vacuum (Inches of H_2O)	Vacuum (inches of Hg)
7/6/2021	8:20	JS	1700	1526	-	-	NM	69.9	-	8.25
7/6/2021	8:29	CA	1697	1548	-	-	NM	69.8	-	8.25
7/6/2021	10:55	JDS	1692	1533	-	-	35	67.3	-	8.2
7/6/2021	12:34	JDS	1709	1542	-	-	35	66.7	-	8.1
7/6/2021	16:00	JDS	1700	1524	-	-	35	66.7	-	8.1
7/7/2021	8:25	JDS	1703	1527	-	-	35	68.1	-	8.1
7/7/2021	13:33	JDS	1709	1533	-	-	35	67.9	-	8.1
7/8/2021	6:47	JDS	1749	1650	-	-	35	70.6	-	8.8
7/8/2021	8:45	BC	1755	1563	-	-	35	70.7	-	8.8
7/8/2021	11:54	JDS	1708	1525	-	-	35	72.7	-	8.8
7/8/2021	16:06	JDS	1702	1524	-	-	35	67.3	-	8.1
7/9/2021	8:27	BC	1704	1516	-	-	35	68.8	-	8
7/9/2021	11:57	BC	1736	1539	-	-	35	68.9	-	8
7/9/2021	17:14	JDS	1709	1525	-	-	35	68.4	-	8.4
7/10/2021	6:45	JDS	1703	1526	-	-	35	68.8	-	8.1
7/10/2021	System offline 4 hours for O&M									
7/10/2021	13:15	BC	1694	1539	-	-	35	59.8	-	7
7/10/2021	14:35	BC	1696	1519	-	-	35	59.8	-	8
7/10/2021	16:18	JDS	1707	1531	-	-	35	67.3	-	8
7/11/2021	6:45	MT	1693	1529	-	-	35	68.4	-	8.2
7/11/2021	15:20	MT	1703	1527	-	-	35	68.1	-	8
7/12/2021	7:55	JDS	1701	1515	-	-	35	68.6	-	8.2
7/12/2021	13:00	BC	1706	1532	-	-	35	68.7	-	8.2
7/12/2021	15:10	BC	1709	1529	-	-	35	67.0	-	8
7/12/2021	16:33	JDS	1697	1527	-	-	35	67.5	-	8.1
7/13/2021	9:07	BC	1705	1530	-	-	35	68.0	-	8.1
7/13/2021	13:50	JDS	1400	1301	-	-	35	26.0	-	0

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7/14/2021	9:10	BC	1391	1288	-	-	35	28.4	-	0
7/14/2021	13:30	BC	1399	1299	-	-	35	28.4	-	0
7/14/2021	17:15	JDS	1410	1304	-	-	35	32.6	-	1
7/14/2021	System offline 19 hours for O&M									
7/15/2021	13:35	BC	1710	1528	-	-	35	40.9	-	4
7/15/2021	System offline 0.5 hour for O&M									
7/15/2021	16:42	BC	1617	1449	-	-	35	45.2	-	5
7/16/2021	8:27	BC	1524	1347	-	-	35	44.6	-	5
7/16/2021	13:10	BC	1618	1457	-	-	35	41.5	-	5
7/16/2021	16:53	BC	1553	1404	-	-	35	42.1	-	5
7/17/2021	11:30	KZ	1598	1443	-	-	35	41.4	-	5
7/17/2021	15:30	KZ	1598	1418	-	-	35	41.0	-	5
7/18/2021	9:28	KZ	1539	1377	-	-	35	43.5	-	5
7/18/2021	13:30	KZ	1451	1295	-	-	35	43.3	-	5
7/18/2021	13:45	KZ	1528	1389	-	-	35	43.3	-	6
7/18/2021	16:50	KZ	1701	1515	-	-	35	49.9	-	6
7/19/2021	6:57	BC	1704	1516	-	-	35	50.6	-	5.5
7/19/2021	11:20	BC	1522	1373	-	-	35	51.2	-	5.5
7/19/2021	System offline 9.5 hours for O&M									
7/20/2021	8:27	JDS	1693	1534	-	-	35	51.2	-	5.5
7/20/2021	12:24	JDS	1648	1486	-	-	35	49.1	-	6
7/20/2021	16:40	JDS	1646	1482	-	-	35	49.7	-	6
7/21/2021	10:47	BC	1669	1480	-	-	35	49.7	-	6
7/21/2021	14:00	BC	1687	1519	-	-	35	49.8	-	6
7/21/2021	17:04	BC	1690	1516	-	-	35	49.7	-	6
7/22/2021	6:59	BC	1674	1510	-	-	35	50.8	-	6
7/22/2021	12:30	JDS	1689	1526	-	-	35	48.2	-	5.8
7/22/2021	17:05	JDS	1690	1519	-	-	35	48.8	-	5.8

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7/23/2021	7:56	BC	1650	1484	-	-	35	49.6	-	5.8
7/23/2021	10:40	BC	1658	1509	-	-	35	48.5	-	5.8
7/23/2021	16:31	JDS	1679	1511	-	-	35	47.9	-	5.8
7/24/2021	8:04	JDS	1699	1517	-	-	35	48.3	-	5.8
7/24/2021	13:17	JDS	1695	1515	-	-	35	48.4	-	5.8
7/24/2021	16:17	CDR	1739	1546	-	-	35	48.0	-	5.6
7/25/2021	8:44	CDR	1701	1496	-	-	35	43.9	-	7.6
7/25/2021	13:20	KZ	1660	1495	-	-	35	48.3	-	6
7/25/2021	16:01	KZ	1694	1523	-	-	35	48.0	-	6
7/26/2021	7:33	BC	1663	1492	-	-	35	49.1	-	5.8
7/26/2021	12:55	JDS	1516	1358	-	-	35	49.1	-	6
7/26/2021	16:14	JDS	1478	1348	-	-	35	49.8	-	6
7/27/2021	6:47	JDS	1436	1309	-	-	35	51.6	-	6
7/27/2021	12:38	JDS	1400	1274	-	-	35	30.1	-	5.2
7/27/2021	System offline 1 hour for O&M									
7/27/2021	17:03	BC	1402	1317	-	-	35	48.9	-	5.5
7/28/2021	7:57	JOS	1397	1321	-	-	65	50.0	-	5.8
7/28/2021	13:58	BC	1558	1415	-	-	35	47.0	-	6
7/28/2021	16:17	JOS	1582	1428	-	-	35	47.4	-	5.8
7/29/2021	7:50	BC	1549	1400	-	-	35	48.6	-	5.5
7/29/2021	11:36	JOS	1603	1436	-	-	35	47.5	-	5.5
7/29/2021	17:06	BC	1593	1437	-	-	35	47.2	-	5.5
7/30/2021	8:08	BC	1563	1410	-	-	35	48.1	-	5.5
7/30/2021	12:07	BC	1599	1443	-	-	35	48.2	-	5.5
7/30/2021	16:17	JOS	1663	1490	-	-	35	47.1	-	5.5
7/31/2021	7:31	JOS	1625	1472	-	-	35	48.7	-	5.8
7/31/2021	11:41	JOS	1598	1452	-	-	35	47.7	-	5.7
7/31/2021	16:01	CDR	1603	1441	-	-	35	47.2	-	5.7

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8/1/2021	7:34	CDR	1576	1430	-	-	35	48.4	-	7.1
8/1/2021	13:40	KZ	1643	1478	-	-	35	46.9	-	5.5
8/1/2021	16:55	KZ	1621	1462	-	-	35	47.5	-	5.5
8/2/2021	8:08	JOS	1625	1770	-	-	35	48.8	-	5.5
8/2/2021	12:08	JOS	1617	1468	-	-	35	47.7	-	5.6
8/2/2021	17:01	JOS	1603	1454	-	-	35	47.5	-	5.5
8/3/2021	7:47	BC	1564	1420	5.0	21.3	35	48.8	-	5.5
8/3/2021	13:00	JOS	1530	1400	5.0	22.9	35	48.6	-	5.7
8/3/2021	16:45	JOS	1542	1404	5.0	22.9	35	47.8	-	6.1
8/4/2021	7:39	JOS	1531	1400	5.0	22.9	35	49.0	-	6.2
8/4/2021	12:30	JOS	1537	1401	5.0	22.9	35	48.4	-	6.15
8/4/2021	16:53	BC	1507	1357	5.0	-	35	47.8	83	-
8/5/2021	8:08	BC	1496	1363	5.0	-	35	48.8	86	-
8/5/2021	14:25	BC	1530	1382	5.0	-	35	47.4	86	-
8/5/2021	17:02	BC	1542	1396	5.0	-	35	47.2	84	-
8/6/2021	9:01	BC	1476	1351	5.0	-	35	48.4	85	-
8/6/2021	15:41	CDR	1395	1275	5.0	-	35	39.8	-	7.5
8/7/2021	7:26	JOS	1432	1323	5.0	-	35	41.0	59	-
8/7/2021	11:46	JOS	1451	1330	5.0	-	35	40.4	63	-
8/7/2021	16:22	CDR	1465	1305	5.0	-	35	39.9	-	6
8/8/2021	9:17	CDR	1517	1397	5.0	-	35	40.9	-	7.5
8/8/2021	13:10	KZ	1454	1334	5.0	-	35	39.6	64	4.8
8/8/2021	16:00	CDR	1465	1327	5.0	-	35	39.6	-	7.3
8/9/2021	9:20	JOS	1438	1313	5.0	-	35	40.5	66	-
8/9/2021	11:30	JOS	1435	1285	5.0	-	35	39.7	62	-
8/9/2021	16:08	JOS	1447	1312	5.0	-	35	39.9	63	-
8/10/2021	8:05	BC	1434	1313	5.0	-	35	46.9	73	-
8/10/2021	11:31	JOS	1466	1337	5.0	-	35	45.8	78	-

Table 12
Summary of System Two Operating Data

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Date	Time	Initials	Inlet Temperature (Deg. F)	Outlet Temperature (Deg. F)	Signal (V)	Flame Ox Hz	Flame Ox VFD Speed (%)	Blower VFD Speed (%)	Vacuum (Inches of H_2O)	Vacuum (inches of Hg)
8/10/2021	16:15	CDR	1497	1369	5.0	-	35	45.5	74	-

Table 12
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Date	Time	Initials	Inlet Temperature (Deg. F)	Outlet Temperature (Deg. F)	Signal (V)	Flame Ox Hz	Flame Ox VFD Speed (%)	Blower VFD Speed (%)	Vacuum (Inches of H_2O)	Vacuum (inches of Hg)
8/11/2021	9:33	BC	1468	1337	5.0	-	35	46.3	76	-
8/11/2021	12:59	JOS	1459	1340	5.0	-	35	45.8	78	-
8/11/2021	17:09	JOS	1500	1367	5.0	-	35	45.5	78	-
8/12/2021	6:56	JOS	1452	1327	5.0	-	35	46.8	78	-
8/12/2021	14:40	BC	1478	1330	5.0	-	35	47.1	76	-
8/12/2021	17:07	BC	1481	1329	5.0	-	35	47.2	76	-
8/13/2021	8:37	BC	1397	1273	5.0	-	35	46.9	78	-
8/13/2021	12:29	JOS	1401	1283	5.0	-	35	46.1	78	-
8/13/2021	16:30	BC	1401	1276	5.0	-	35	46.2	78	-
8/14/2021	8:50	JPS	1496	1359	5.0	-	35	46.5	78	-
8/14/2021	12:33	CA	1501	1380	5.0	-	35	45.6	74	-
8/15/2021	7:50	KZ	1481	1366	5.0	-	35	46.9	74	-
8/15/2021	12:26	KZ	1486	1360	5.0	-	35	46.0	71	-
8/16/2021	7:38	BC	1492	1364	5.0	-	35	46.8	76	-
8/16/2021	13:35	JOS	1491	1365	5.0	-	35	45.9	76	-
8/16/2021	15:41	JOS	1511	1361	5.0	-	35	46.4	74	-
8/17/2021	7:23	JOS	1479	1361	5.0	-	35	46.8	78	-
8/17/2021	17:03	JOS	1487	1366	5.0	-	35	46.4	78	-
8/18/2021	8:04	JOS	1491	1356	5.0	-	35	47.9	78	-
8/18/2021	System offline 0.5 hour for O&M									
8/18/2021	11:20	JOS	1448	1310	5.0	-	35	46.6	78	-
8/18/2021	16:41	BC	1478	1337	5.0	-	35	55.8	98	-
8/19/2021	7:48	BC	1446	1322	5.0	-	35	57.3	103	-
8/19/2021	12:52	JOS	1486	1357	5.0	-	35	55.4	100	-
8/19/2021	17:14	JOS	1476	1346	5.0	-	35	63.0	110	-
8/20/2021	8:25	JOS	1450	1337	5.0	-	35	64.5	118	-
8/20/2021	11:14	JOS	1470	1348	5.0	-	35	63.9	112	-
8/20/2021	17:05	BC	1490	1356	5.0	-	35	63.0	120	-

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Date	Time	Initials	Inlet Temperature (Deg. F)	Outlet Temperature (Deg. F)	Signal (V)	Flame Ox Hz	Flame Ox VFD Speed (%)	Blower VFD Speed (%)	Vacuum (Inches of H_2O)	Vacuum (inches of Hg)
8/21/2021	8:14	BC	1503	1377	5.0	-	35	64.8	94	-
8/21/2021	13:23	JOS	1527	1392	5.0	-	35	63.0	114	-
8/21/2021	15:36	JOS	1540	1397	5.0	-	35	63.2	116	-
8/22/2021	8:10	KZ	1471	1346	5.0	-	35	64.5	116	-
8/22/2021	13:10	KZ	1506	1379	5.0	-	35	63.0	116	-
8/22/2021	16:52	KZ	1508	1376	5.0	-	35	63.0	116	-
8/23/2021	7:32	BC	1604	1446	5.0	-	35	64.8	116	-
8/23/2021	12:31	BC	1515	1378	5.0	-	35	62.7	116	-
8/23/2021	16:28	JDS	1511	1380	-	-	35	63.1	116	-
8/23/2021	17:28	JDS	1511	1380	-	-	35	63.1	116	-
8/24/2021	8:21	BC	1564	1417	5.0	-	35	64.7	116	-
8/24/2021	12:15	BC	1530	1386	5.0	-	35	62.8	118	-
8/24/2021	15:29	JDS	1511	1380	5.0	-	35	62.6	114	-
8/25/2021	7:57	BC	1612	1454	5.0	-	35	64.8	118	-
8/25/2021	12:26	BC	1391	1272	5.0	-	35	75.0	0	-
8/25/2021	16:18	BC	1401	1284	5.0	-	35	40.2	56	-
8/26/2021	7:49	BC	1399	1299	5.0	-	35	41.5	58	-
8/26/2021	13:25	MT	1592	1446	5.0	-	35	59.8	108	-
8/26/2021	17:00	BC	1563	1400	5.0	-	35	59.9	105	-
8/27/2021	7:44	BC	1637	1438	5.0	-	35	61.7	110	-
8/27/2021	14:40	JDS	1545	1402	5.0	-	35	60.0	114	-
8/27/2021	16:23	JDS	1539	1387	5.0	-	35	60.0	108	-
8/28/2021	8:24	MT	1610	1455	5.0	-	35	61.6	113	-
8/28/2021	11:50	MT	1580	1456	5.0	-	35	60.3	112	-
8/28/2021	16:09	MT	1579	1431	5.0	-	35	61.2	112	-
8/29/2021	8:00	KZ	1523	1379	5.0	-	35	61.9	108	-
8/29/2021	12:40	KZ	1534	1398	5.0	-	35	59.9	110	-
8/29/2021	16:19	KZ	1535	1399	5.0	-	35	59.6	110	-

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Date	Time	Initials	Inlet Temperature (Deg. F)	Outlet Temperature (Deg. F)	Signal (V)	Flame Ox Hz	Flame Ox VFD Speed (%)	Blower VFD Speed (%)	Vacuum (Inches of H_2O)	Vacuum (inches of Hg)
8/30/2021	7:57	JDS	1497	1366	5.0	-	35	61.6	108	-
8/30/2021	11:50	MT	1503	1354	5.0	-	35	59.6	108	-
8/30/2021	16:34	JDS	1520	1375	5.0	-	35	59.9	108	-
8/31/2021	8:40	JDS	1486	1360	5.0	-	35	61.0	108	-
8/31/2021	12:53	JDS	1498	1375	5.0	-	35	59.5	106	-
8/31/2021	16:56	JDS	1518	1388	5.0	-	35	59.8	106	-
9/1/2021	7:57	BC	1484	1349	5.0	-	35	60.8	106	-
9/1/2021	12:30	JDS	1463	1334	5.0	-	35	60.3	108	-
9/1/2021	15:58	JDS	1488	1352	5.0	-	35	60.0	105	-
9/2/2021	7:21	BC	1476	1344	5.0	-	35	61.9	108	-
9/2/2021	13:05	JDS	1468	1345	5.0	-	35	60.2	106	-
9/2/2021	15:56	JDS	1476	1352	5.0	-	35	60.2	108	-
9/3/2021	7:57	JDS	1699	1538	5.0	-	35	62.6	110	-
9/3/2021	9:58	System Down (generator service)								-
9/3/2021	13:04	JDS	1397	1308	5.0	-	65	59.7	105	-
9/4/2021	8:30	CA	1674	1515	5.0	-	35	59.8	110	-
9/4/2021	12:40	CA	1469	1372	5.0	-	35	59.8	107	-
9/4/2021	16:05	CA	1484	1360	5.0	-	35	59.9	108	-
9/5/2021	8:00	KZ	1630	1478	5.0	-	35	61.7	112	-
9/5/2021	12:35	KZ	1517	1381	5.0	-	35	59.6	108	-
9/5/2021	16:54	KZ	1480	1337	5.0	-	35	59.7	108	-
9/6/2021	8:12	KZ	1441	1327	5.0	-	35	60.9	110	-
9/6/2021	13:25	KZ	1450	1334	5.0	-	35	60.2	108	-
9/6/2021	16:01	KZ	1450	1332	5.0	-	35	59.8	106	-
9/7/2021	8:32	BC	1571	1425	5.0	-	35	61.5	110	-
9/7/2021	13:35	BC	1477	1347	5.0	-	35	57.8	106	-
9/7/2021	16:58	JDS	1457	1335	5.0	-	35	58.3	102	-
9/8/2021	6:52	JDS	1408	1296	5.0	-	35	59.2	103	-

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Date	Time	Initials	Inlet Temperature (Deg. F)	Outlet Temperature (Deg. F)	Signal (V)	Flame Ox Hz	Flame Ox VFD Speed (%)	Blower VFD Speed (%)	Vacuum (Inches of H_2O)	Vacuum (inches of Hg)
9/8/2021	12:27	BC	1463	1330	5.0	-	35	58.4	104	-
9/8/2021	16:00	BC	1487	1346	5.0	-	35	58.3	102	-
9/9/2021	8:15	BC	1448	1323	5.0	-	35	59.3	104	-
9/9/2021	12:04	BC	1482	1356	5.0	-	35	57.3	104	-
9/9/2021	15:48	JDS	1472	1350	5.0	-	35	57.4	100	-
9/10/2021	7:24	BC	1589	1440	5.0	-	35	59.5	100	-
9/10/2021	12:57	BC	1458	1331	5.0	-	35	57.7	104	-
9/10/2021	16:40	BC	1476	1336	5.0	-	35	57.6	98	-
9/11/2021	7:23	JDS	1516	1391	5.0	-	35	59.6	102	-
9/11/2021	11:54	JDS	1460	1334	5.0	-	35	57.7	102	-
9/11/2021	15:55	JDS	1456	1338	5.0	-	35	57.7	102	-
9/12/2021	8:10	KZ	1496	1374	5.0	-	35	59.6	102	-
9/12/2021	12:20	KZ	1457	1335	5.0	-	35	57.5	106	-
9/12/2021	16:35	KZ	1472	1347	5.0	-	35	57.3	99	-
9/13/2021	7:25	BC	1468	1346	5.0	-	35	59.1	100	-
9/13/2021	13:33	BC	1458	1328	5.0	-	35	57.2	105	-
9/13/2021	15:51	JDS	1465	1336	5.0	-	35	57.1	101	-
9/14/2021	7:48	BC	1459	1337	5.0	-	35	59.0	100	-
9/14/2021	14:21	JDS	1442	1321	5.0	-	35	57.0	102	-
9/14/2021	16:52	BC	1460	1332	5.0	-	35	57.2	106	-
9/15/2021	7:25	BC	1477	1350	5.0	-	35	58.8	102	-
9/15/2021	13:21	BC	1412	1227	5.0	-	35	49.6	84	-
9/15/2021	15:31	JDS	1395	1288	5.0	-	35	49.4	82	-
9/15/2021	15:31	Changed Large and Small Air Filters								-
9/16/2021	7:50	BC	1400	1290	5.0	-	35	47.0	70	-
9/16/2021	11:46	BC	1400	1294	5.0	-	35	46.6	70	-
9/16/2021	12:15	System Down (generator service)								-
9/16/2021	16:19	JDS	1430	1316	5.0	-	35	55.9	98	-

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Date	Time	Initials	Inlet Temperature (Deg. F)	Outlet Temperature (Deg. F)	Signal (V)	Flame Ox Hz	Flame Ox VFD Speed (%)	Blower VFD Speed (%)	Vacuum (Inches of H_2O)	Vacuum (inches of Hg)
9/17/2021	12:51	JDS	1403	1296	5.0	-	35	57.1	100	-
9/17/2021	17:01	JDS	1486	1365	5.0	-	35	58.1	102	-
9/18/2021	6:52	JDS	1465	1346	5.0	-	35	59.4	102	-
9/18/2021	12:20	JDS	1455	1324	5.0	-	35	57.9	102	-
9/18/2021	16:45	JDS	1455	1324	5.0	-	35	58.1	101	-
9/19/2021	8:00	KZ	1484	1365	5.0	-	35	60.2	104	-
9/19/2021	13:08	KZ	1483	1362	5.0	-	35	58.4	105	-
9/19/2021	16:40	KZ	1481	1353	5.0	-	35	58.6	100	-
9/20/2021	8:15	BC	1468	1341	5.0	-	35	80.1	105	-
9/20/2021	12:39	JDS	1451	1337	5.0	-	35	59.0	102	-
9/20/2021	16:05	JDS	1456	1332	5.0	-	35	58.8	104	-
9/21/2021	8:13	BC	1451	1325	5.0	-	35	60.1	104	-
9/21/2021	12:56	JDS	1429	1321	5.0	-	35	60.0	104	-
9/21/2021	17:08	MT	1449	1336	5.0	-	35	60.2	105	-
9/22/2021	7:07	BC				-				-
9/22/2021	9:00	System Down								
9/22/2021	14:00	System Down								
9/22/2021	14:28	BC	1394	1317	5.0	-	35	39.1	45	-
9/22/2021	15:40	JDS	1402	1303	5.0	-	35	47.8	70	-
9/23/2021	7:24	BC	1402	1293	5.0	-	35	49.5	75	-
9/23/2021	13:08	BC	1409	1301	5.0	-	35	48.1	78	-
9/23/2021	16:17	JDS	1494	1367	5.0	-	35	58.4	102	-
9/24/2021	7:53	BC	1697	1532	5.0	-	35	61.0	108	-
9/24/2021	11:42	BC	1522	1388	5.0	-	35	60.5	110	-
9/24/2021	16:47	JDS	1388	1283	5.0	-	35	61.1	108	-
9/25/2021	12:25	JDS	1541	1403	5.0	-	35	60.2	106	-
9/25/2021	15:12	BC	1512	1353	5.0	-	35	60.1	106	-
9/26/2021	8:25	KZ	1606	1466	5.0	-	35	61.4	110	-

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Date	Time	Initials	Inlet Temperature (Deg. F)	Outlet Temperature (Deg. F)	Signal (V)	Flame Ox Hz	Flame Ox VFD Speed (%)	Blower VFD Speed (%)	Vacuum (Inches of H_2O)	Vacuum (inches of Hg)
9/26/2021	0.8784722	KZ	1529	1404	5.0	-	35	59.9	108	-
9/26/2021	17:20	KZ	1532	1400	5.0	-	35	60.3	106	-
9/27/2021	7:49	BC	1691	1527	5.0	-	35	62.4	108	-
9/27/2021	12:43	BC	1561	1394	5.0	-	35	59.8	104	-
9/27/2021	16:00	BC	1525	1385	5.0	-	35	59.7	106	-
9/28/2021	8:00	BC	1548	1410	5.0	-	35	61.5	108	-
9/28/2021	13:50	BC	1498	1364	5.0	-	35	59.3	106	-
9/28/2021	16:52	BC	1516	1376	5.0	-	35	59.5	106	-
9/29/2021	7:39	JDS	1489	1367	5.0	-	35	61.6	93	-
9/29/2021	11:59	MT	1470	1349	5.0	-	35	59.5	108	-
9/29/2021	16:49	JDS	1473	1348	5.0	-	35	59.5	106	-
9/30/2021	12:05	JDS	1412	1307	5.0	-	35	62.8	110	-
9/30/2021	15:53	JDS	1453	1339	5.0	-	35	61.2	115	-
10/1/2021	8:45	JDS	1460	1347	5.0	-	35	63.4	112	-
10/1/2021	16:57	JDS	1483	1360	5.0	-	35	62.0	108	-
10/2/2021	8:18	MT	1447	1327	5.0	-	35	63.5	113	-
10/2/2021	11:26	MT	1421	1304	5.0	-	35	62.1	109	-
10/2/2021	15:00	MT	1446	1326	5.0	-	35	61.3	108	-
10/3/2021	7:55	JDS	1450	1335	5.0	-	35	63	115	-
10/3/2021	12:05	JDS	1455	1332	5.0	-	35	61.5	114	-
10/3/2021	15:32	JDS	1466	1338	5.0		35	61.4	115	
10/4/2021	8:05	JDS	1464	1347	5.0	-	35	62.3	115	-
10/4/2021	12:03	JDS	1435	1322	5.0	-	35	61.7	115	-
10/4/2021	16:40	BC	1446	1314	5.0	-	35	61.7	108	-
10/5/2021	8:50	Jsh	1428	1318	5.0	-	35	62.4	110	-
10/5/2021	12:35	Jsh	1421	1315	5.0	-	35	61.6	114	-
10/5/2021	17:02	MT	1455	1333	5.0	-	35	61.4	106	-
10/6/2021	7:24	Jsh	1433	1319	5.0	-	35	63	106	-

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Date	Time	Initials	Inlet Temperature (Deg. F)	Outlet Temperature (Deg. F)	Signal (V)	Flame Ox Hz	Flame Ox VFD Speed (%)	Blower VFD Speed (%)	Vacuum (Inches of H_2O)	Vacuum (inches of Hg)
10/6/2021	13:12	Jsh	1413	1302	5.0	-	35	61.5	112	-
10/6/2021	16:32	Jsh	1469	1349	5.0	-	35	62.3	110	-
10/7/2021	7:34	Jsh	1439	1331	5.0	-	35	63.1	111	-
10/7/2021	11:47	Jsh	1431	1319	5.0	-	35	62.8	110	-
10/7/2021	16:52	MT	1442	1331	5.0	-	35	63.1	113	-
10/8/2021	7:25	MT	1438	1329	5.0	-	35	62.7	110	-
10/8/2021	12:43	Jsh	1438	1323	5.0	-	35	63	112	-
10/8/2021	16:09	MT	1432	1312	5.0	-	35	62.9	111	-
10/9/2021	7:58	Jsh	1460	1341	5.0	-	35	63.1	115	-
10/9/2021	11:40	Jsh	1424	1309	5.0	-	35	62.6	116	-
10/9/2021	17:05	CDR	1447	1332	5.0	-	35	62.3	115	-
10/10/2021	8:33	KZ	1441	1330	5.0	-	35	63.1	113	-
10/10/2021	12:40	KZ	1464	1351	5.0	-	35	61.6	111	-
10/10/2021	15:30	KZ	1478	1355	5.0	-	35	61.3	113	-
10/11/2021	7:42	BC	1467	1339	5.0	-	30	62.9	112	-
10/11/2021	13:33	JDS	1488	1364	5.0	-	30	62.1	112	-
10/11/2021	17:18	JDS	1493	1360	5.0	-	30	62.4	110	-
10/12/2021	8:11	JDS	1492	1360	5.0	-	30	63	112	-
10/12/2021	13:04	BC	1493	1356	5.0	-	30	61.7	106	-
10/12/2021	16:22	JDS	1514	1370	5.0	-	30	61.7	114	-
10/13/2021	7:42	BC	1552	1398	5.0	-	30	63.1	110	-
10/13/2021	12:02	BC	1499	1349	5.0	-	30	61.6	110	-
10/13/2021	13:12	JDS	1499	1358	5.0	-	30	61.2	110	-
10/13/2021	16:06	JDS	1502	1362	5.0	-	30	61.3	110	-
10/13/2021	16:10	JDS	1738	1651	5.0	-	68	69	32	-
10/14/2021	7:33	JDS	1548	1404	5.0	-	30	63.2	112	-
10/14/2021	13:41	JDS	1503	1370	5.0	-	30	61	110	-
10/14/2021	17:03	BC	1514	1365	5.0	-	30	61	108	-

Table 12
Summary of System Two Operating Data

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Date	Time	Initials	Inlet Temperature (Deg. F)	Outlet Temperature (Deg. F)	Signal (V)	Flame Ox Hz	Flame Ox VFD Speed (%)	Blower VFD Speed (%)	Vacuum (Inches of H_2O)	Vacuum (inches of Hg)
10/15/2021	7:55	BC	1570	1419	5.0	-	30	63.3	110	-
10/15/2021	13:07	Jsh	1510	1376	5.0	-	30	60.5	110	-
10/15/2021	16:57	BC	1479	1340	5.0	-	30	60.3	110	-
10/16/2021	7:57	BC	1485	1339	5.0	-	30	61.6	110	-
10/16/2021	12:38	BC	1470	1312	5.0	-	30	60.5	108	-
10/16/2021	16:03	BC	1466	1330	5.0	-	30	61	110	-
10/17/2021	9:01	KZ	1690	1529	5.0	-	30	62.8	115	-
10/17/2021	12:15	KZ	1521	1375	5.0	-	30	61.6	113	-
10/17/2021	15:55	KZ	1462	1337	5.0	-	30	61.6	111	-
10/18/2021	8:30	BC	1700	1529	5.0	-	30	62.6	112	-
10/18/2021	12:23	BC	1495	1352	5.0	-	30	61.7	110	-

Notes:
Deg. F - Degrees Fahrenheit
Flame Ox - Flame oxidation unit
O&M - Operation and Maintenance
VFD - Variable frequency drive
% - Percent
Hz - Hertz

Table 13
Summary of Vacuum Enhanced Pumping Wells

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Pump Type	Vacuum Enhancement	Well ID	Pump Type	Vacuum Enhancement
MW-11	Top	Yes	RW-30	Top	Yes
MW-22R	Bottom	Yes	RW-31	Bottom	Yes
MW-24	Top	Yes	RW-32	Bottom	Yes
MW-26R	Bottom	Yes	RW-33	Bottom	Yes
MW-39	Bottom	Yes	RW-34	Bottom	Yes
MW-47	Top	Yes	RW-35	Bottom	Yes
MW-48	Top	Yes	RW-36	Bottom	Yes
MW-54	Bottom	Yes	RW-37	Bottom	Yes
MW-55	Bottom	Yes	RW-38	Top	Yes
MW-61	Top	Yes	RW-39	Bottom	Yes
MW-85	Bottom	Yes	RW-43	Top	Yes
MW-90D	Bottom	Yes	RW-45	Top	Yes
MW-91D	Bottom	Yes	RW-46	Top	Yes
RW-01	Bottom	Yes	RW-47	Top	Yes
RW-02	Top	Yes	RW-48	Bottom	Yes
RW-03	Bottom	Yes	RW-49	Bottom	Yes
RW-04	Bottom	Yes	RW-50	Bottom	Yes
RW-05	Top	Yes	RW-51	Bottom	Yes
RW-06	Top	Yes	RW-52	Bottom	Yes
RW-07	Top	Yes	RW-53	Bottom	Yes
RW-08	Bottom	Yes	RW-54	Bottom	Yes
RW-09	Top	Yes	RW-55	Bottom	Yes
RW-10	Top	Yes	RW-56	Bottom	Yes
RW-11	Bottom	Yes	RW-57	Bottom	Yes
RW-12	Bottom	Yes	RW-58	Bottom	Yes
RW-13	Bottom	Yes	RW-59	Bottom	Yes
RW-14	Top	No	RW-60	Bottom	Yes
RW-15	Bottom	Yes	RW-61	Bottom	Yes
RW-16	Top	Yes	RW-62	Bottom	Yes
RW-18	Top	Yes	RW-63	Bottom	Yes
RW-19	Bottom	Yes	RW-64	Bottom	Yes
RW-20	Bottom	No	RW-65	Bottom	Yes
RW-21	Bottom	No	RW-66	Bottom	Yes
RW-22	Top	Yes	RW-67	Bottom	Yes
RW-23	Bottom	Yes	RW-68	Bottom	Yes
RW-24	Top	Yes	RW-69	Bottom	Yes
RW-25	Top	Yes	RW-70	Bottom	Yes
RW-26	Top	Yes	RW-71	Bottom	Yes
RW-27	Bottom	Yes	RW-72	Bottom	Yes
RW-28	Top	Yes	RW-73	Bottom	Yes
RW-29	Top	Yes	RW-74	Bottom	Yes

Table 13
Summary of Vacuum Enhanced Pumping Wells

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Well ID	Pump Type	Vacuum Enhancement	Well ID	Pump Type	Vacuum Enhancement
RW-75	Bottom	Yes	HCW-13	Top	Yes
RW-76	Bottom	Yes	HCW-14	Top	Yes
RW-77	Bottom	Yes	HCW-15	Bottom	Yes
RW-79	Bottom	Yes	HCW-16	Bottom	Yes
RW-80	Bottom	Yes	HCW-19	Bottom	Yes
RW-81	Bottom	Yes	HCW-21	Bottom	Yes
RW-83	Bottom	Yes	HCW-25	Bottom	Yes
RW-84	Bottom	Yes	NHCW-06	Bottom	Yes
HCW-01	Bottom	Yes	NHCW-11	Bottom	Yes
HCW-03	Bottom	Yes	NHCW-12	Bottom	Yes
HCW-06	Bottom	Yes	NHCW-13	Bottom	Yes
HCW-07	Bottom	Yes	NHCW-14	Bottom	Yes
HCW-10	Bottom	Yes	NHCW-16	Bottom	Yes

Notes:
Bottom = Bottom Loading Pump
Top = Top Loading Pump

APPENDIX A

LABORATORY ANALYTICAL REPORTS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

August 25, 2021

Andrew Street
Apex Companies - NC
5900 Northwoods Business Pkwy
Suite 5900-0
Charlotte, NC 28269

RE: Project: CPC Huntersville 2020-L1-2448
Pace Project No.: 92556482

Dear Andrew Street:

Enclosed are the analytical results for sample(s) received by the laboratory on August 18, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Charlotte

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angela M. Baioni

Angela Baioni
angela.baioni@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: J Culbreath, Colonial Pipeline Company
Naomi Fretz, APEX Companies, LLC
Robert Hughes, Colonial Pipeline
Cameron Lee, Montrose-EPS
Jamie Moran, APEX Companies, LLC
Jeff Morrison, Colonial Pipeline Company
Tom Naumann, APEX Companies - NC
Joe Nicolette, Montrose-EPS
Kaitlyn Nootens, Apex Companies
Christopher Schultz, Apex Companies
Matt Teixeira, Apex Companies, LLC
Michael Verdon, Colonial Pipeline Company
JM Wyatt, Colonial Pipeline Company

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: CPC Huntersville 2020-L1-2448
Pace Project No.: 92556482

Pace Analytical Services Charlotte
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: CPC Huntersville 2020-L1-2448
Pace Project No.: 92556482

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92556482001	**MW-89D (10-12')**	Solid	08/18/21 16:00	08/18/21 17:30
92556482002	**MW-89D (22-24')**	Solid	08/18/21 16:05	08/18/21 17:30
92556482003	**MW-89D (32-34')**	Solid	08/18/21 16:10	08/18/21 17:30

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Huntersville, NC 28078
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SAMPLE ANALYTE COUNT

Project: CPC Huntersville 2020-L1-2448
Pace Project No.: 92556482

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92556482001	**MW-89D (10-12')**	MADEP VPH	MAD	6	PASI-C
		EPA 8260D	SAS	70	PASI-C
		SW-846	KDF	1	PASI-C
92556482002	**MW-89D (22-24')**	MADEP VPH	MAD	6	PASI-C
		EPA 8260D	SAS	70	PASI-C
		SW-846	KDF	1	PASI-C
92556482003	**MW-89D (32-34')**	MADEP VPH	MAD	6	PASI-C
		EPA 8260D	SAS	70	PASI-C
		SW-846	KDF	1	PASI-C

PASI-C = Pace Analytical Services - Charlotte

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CPC Huntersville 2020-L1-2448
Pace Project No.: 92556482

Sample: MW-89D (10-12') **Lab ID: 92556482001** Collected: 08/18/21 16:00 Received: 08/18/21 17:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VPH NC Soil	Analytical Method: MADEP VPH Preparation Method: MADEP VPH Pace Analytical Services - Charlotte								
Total VPH (C5-C12)	**3.2**	mg/kg	3.2	3.2	1	08/20/21 15:27	08/21/21 00:05		N2
Aliphatic (C05-C08)	ND	mg/kg	3.2	3.2	1	08/20/21 15:27	08/21/21 00:05		N2
Aliphatic(C09-C12) Adjusted	ND	mg/kg	3.2	3.2	1	08/20/21 15:27	08/21/21 00:05		N2
Aromatic (C09-C10)	ND	mg/kg	3.2	3.2	1	08/20/21 15:27	08/21/21 00:05		N2
Surrogates									
4-Bromofluorobenzene (FID) (S)	98	%	70-130		1	08/20/21 15:27	08/21/21 00:05	460-00-4	
4-Bromofluorobenzene (PID) (S)	103	%	70-130		1	08/20/21 15:27	08/21/21 00:05	460-00-4	
8260D/5035A/5030B Volatiles	Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B Pace Analytical Services - Charlotte								
Acetone	**64.5J**	ug/kg	125	40.2	1	08/23/21 13:03	08/23/21 21:05	67-64-1	
Benzene	**7.2**	ug/kg	6.3	2.5	1	08/23/21 13:03	08/23/21 21:05	71-43-2	
Bromobenzene	ND	ug/kg	6.3	2.0	1	08/23/21 13:03	08/23/21 21:05	108-86-1	
Bromochloromethane	ND	ug/kg	6.3	1.9	1	08/23/21 13:03	08/23/21 21:05	74-97-5	
Bromodichloromethane	ND	ug/kg	6.3	2.4	1	08/23/21 13:03	08/23/21 21:05	75-27-4	
Bromoform	ND	ug/kg	6.3	2.2	1	08/23/21 13:03	08/23/21 21:05	75-25-2	
Bromomethane	ND	ug/kg	12.5	9.9	1	08/23/21 13:03	08/23/21 21:05	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	125	30.0	1	08/23/21 13:03	08/23/21 21:05	78-93-3	
n-Butylbenzene	ND	ug/kg	6.3	3.0	1	08/23/21 13:03	08/23/21 21:05	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.3	2.8	1	08/23/21 13:03	08/23/21 21:05	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.3	2.2	1	08/23/21 13:03	08/23/21 21:05	98-06-6	
Carbon tetrachloride	ND	ug/kg	6.3	2.3	1	08/23/21 13:03	08/23/21 21:05	56-23-5	
Chlorobenzene	ND	ug/kg	6.3	1.2	1	08/23/21 13:03	08/23/21 21:05	108-90-7	
Chloroethane	ND	ug/kg	12.5	4.8	1	08/23/21 13:03	08/23/21 21:05	75-00-3	v1
Chloroform	ND	ug/kg	6.3	3.8	1	08/23/21 13:03	08/23/21 21:05	67-66-3	
Chloromethane	ND	ug/kg	12.5	5.3	1	08/23/21 13:03	08/23/21 21:05	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.3	2.2	1	08/23/21 13:03	08/23/21 21:05	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.3	1.1	1	08/23/21 13:03	08/23/21 21:05	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.3	2.4	1	08/23/21 13:03	08/23/21 21:05	96-12-8	
Dibromochloromethane	ND	ug/kg	6.3	3.5	1	08/23/21 13:03	08/23/21 21:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.3	2.8	1	08/23/21 13:03	08/23/21 21:05	106-93-4	
Dibromomethane	ND	ug/kg	6.3	1.3	1	08/23/21 13:03	08/23/21 21:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.3	2.3	1	08/23/21 13:03	08/23/21 21:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.3	1.9	1	08/23/21 13:03	08/23/21 21:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.3	1.6	1	08/23/21 13:03	08/23/21 21:05	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	12.5	2.7	1	08/23/21 13:03	08/23/21 21:05	75-71-8	IK,v1
1,1-Dichloroethane	ND	ug/kg	6.3	2.6	1	08/23/21 13:03	08/23/21 21:05	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.3	4.1	1	08/23/21 13:03	08/23/21 21:05	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.3	2.6	1	08/23/21 13:03	08/23/21 21:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.3	2.1	1	08/23/21 13:03	08/23/21 21:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.3	2.2	1	08/23/21 13:03	08/23/21 21:05	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.3	1.9	1	08/23/21 13:03	08/23/21 21:05	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.3	2.0	1	08/23/21 13:03	08/23/21 21:05	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.3	2.0	1	08/23/21 13:03	08/23/21 21:05	594-20-7	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CPC Huntersville 2020-L1-2448
Pace Project No.: 92556482

Sample: MW-89D (10-12') **Lab ID: 92556482001** Collected: 08/18/21 16:00 Received: 08/18/21 17:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D/5035A/5030B Volatiles	Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B Pace Analytical Services - Charlotte								
1,1-Dichloropropene	ND	ug/kg	6.3	3.0	1	08/23/21 13:03	08/23/21 21:05	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.3	1.7	1	08/23/21 13:03	08/23/21 21:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.3	2.2	1	08/23/21 13:03	08/23/21 21:05	10061-02-6	
Diisopropyl ether	**3.7J**	ug/kg	6.3	1.7	1	08/23/21 13:03	08/23/21 21:05	108-20-3	
Ethylbenzene	**9.7**	ug/kg	6.3	2.9	1	08/23/21 13:03	08/23/21 21:05	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	12.5	10.2	1	08/23/21 13:03	08/23/21 21:05	87-68-3	
2-Hexanone	ND	ug/kg	62.6	6.0	1	08/23/21 13:03	08/23/21 21:05	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.3	2.1	1	08/23/21 13:03	08/23/21 21:05	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.3	3.1	1	08/23/21 13:03	08/23/21 21:05	99-87-6	
Methylene Chloride	**56.8**	ug/kg	25.0	17.1	1	08/23/21 13:03	08/23/21 21:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	62.6	6.0	1	08/23/21 13:03	08/23/21 21:05	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.3	2.3	1	08/23/21 13:03	08/23/21 21:05	1634-04-4	
Naphthalene	**5.7J**	ug/kg	6.3	3.3	1	08/23/21 13:03	08/23/21 21:05	91-20-3	
n-Propylbenzene	ND	ug/kg	6.3	2.2	1	08/23/21 13:03	08/23/21 21:05	103-65-1	
Styrene	ND	ug/kg	6.3	1.7	1	08/23/21 13:03	08/23/21 21:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.3	2.4	1	08/23/21 13:03	08/23/21 21:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.3	1.7	1	08/23/21 13:03	08/23/21 21:05	79-34-5	
Tetrachloroethene	ND	ug/kg	6.3	2.0	1	08/23/21 13:03	08/23/21 21:05	127-18-4	
Toluene	**64.1**	ug/kg	6.3	1.8	1	08/23/21 13:03	08/23/21 21:05	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.3	5.1	1	08/23/21 13:03	08/23/21 21:05	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.3	5.3	1	08/23/21 13:03	08/23/21 21:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.3	3.3	1	08/23/21 13:03	08/23/21 21:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.3	2.1	1	08/23/21 13:03	08/23/21 21:05	79-00-5	
Trichloroethene	ND	ug/kg	6.3	1.6	1	08/23/21 13:03	08/23/21 21:05	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.3	3.4	1	08/23/21 13:03	08/23/21 21:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.3	3.2	1	08/23/21 13:03	08/23/21 21:05	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	6.3	1.7	1	08/23/21 13:03	08/23/21 21:05	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.3	2.1	1	08/23/21 13:03	08/23/21 21:05	108-67-8	
Vinyl acetate	ND	ug/kg	62.6	4.6	1	08/23/21 13:03	08/23/21 21:05	108-05-4	
Vinyl chloride	ND	ug/kg	12.5	3.2	1	08/23/21 13:03	08/23/21 21:05	75-01-4	v1
Xylene (Total)	**31.7**	ug/kg	12.5	3.6	1	08/23/21 13:03	08/23/21 21:05	1330-20-7	
m&p-Xylene	**31.7**	ug/kg	12.5	4.3	1	08/23/21 13:03	08/23/21 21:05	179601-23-1	
o-Xylene	ND	ug/kg	6.3	2.8	1	08/23/21 13:03	08/23/21 21:05	95-47-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1	08/23/21 13:03	08/23/21 21:05	2037-26-5	
4-Bromofluorobenzene (S)	98	%	69-134		1	08/23/21 13:03	08/23/21 21:05	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1	08/23/21 13:03	08/23/21 21:05	17060-07-0	
Percent Moisture	Analytical Method: SW-846 Pace Analytical Services - Charlotte								
Percent Moisture	**14.7**	%	0.10	0.10	1		08/19/21 18:04		N2

REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CPC Huntersville 2020-L1-2448
Pace Project No.: 92556482

Sample: MW-89D (22-24') **Lab ID: 92556482002** Collected: 08/18/21 16:05 Received: 08/18/21 17:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VPH NC Soil	Analytical Method: MADEP VPH Preparation Method: MADEP VPH Pace Analytical Services - Charlotte								
Total VPH (C5-C12)	ND	mg/kg	3.1	3.1	1	08/20/21 15:27	08/21/21 00:33		N2
Aliphatic (C05-C08)	ND	mg/kg	3.1	3.1	1	08/20/21 15:27	08/21/21 00:33		N2
Aliphatic(C09-C12) Adjusted	ND	mg/kg	3.1	3.1	1	08/20/21 15:27	08/21/21 00:33		N2
Aromatic (C09-C10)	ND	mg/kg	3.1	3.1	1	08/20/21 15:27	08/21/21 00:33		N2
Surrogates									
4-Bromofluorobenzene (FID) (S)	99	%	70-130		1	08/20/21 15:27	08/21/21 00:33	460-00-4	
4-Bromofluorobenzene (PID) (S)	104	%	70-130		1	08/20/21 15:27	08/21/21 00:33	460-00-4	
8260D/5035A/5030B Volatiles	Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B Pace Analytical Services - Charlotte								
Acetone	ND	ug/kg	124	40.0	1	08/24/21 09:51	08/24/21 14:30	67-64-1	
Benzene	**6.4**	ug/kg	6.2	2.5	1	08/24/21 09:51	08/24/21 14:30	71-43-2	
Bromobenzene	ND	ug/kg	6.2	2.0	1	08/24/21 09:51	08/24/21 14:30	108-86-1	
Bromochloromethane	ND	ug/kg	6.2	1.8	1	08/24/21 09:51	08/24/21 14:30	74-97-5	
Bromodichloromethane	ND	ug/kg	6.2	2.4	1	08/24/21 09:51	08/24/21 14:30	75-27-4	
Bromoform	ND	ug/kg	6.2	2.2	1	08/24/21 09:51	08/24/21 14:30	75-25-2	
Bromomethane	ND	ug/kg	12.4	9.8	1	08/24/21 09:51	08/24/21 14:30	74-83-9	
2-Butanone (MEK)	ND	ug/kg	124	29.9	1	08/24/21 09:51	08/24/21 14:30	78-93-3	
n-Butylbenzene	ND	ug/kg	6.2	2.9	1	08/24/21 09:51	08/24/21 14:30	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.2	2.7	1	08/24/21 09:51	08/24/21 14:30	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.2	2.2	1	08/24/21 09:51	08/24/21 14:30	98-06-6	
Carbon tetrachloride	ND	ug/kg	6.2	2.3	1	08/24/21 09:51	08/24/21 14:30	56-23-5	
Chlorobenzene	ND	ug/kg	6.2	1.2	1	08/24/21 09:51	08/24/21 14:30	108-90-7	
Chloroethane	ND	ug/kg	12.4	4.8	1	08/24/21 09:51	08/24/21 14:30	75-00-3	
Chloroform	ND	ug/kg	6.2	3.8	1	08/24/21 09:51	08/24/21 14:30	67-66-3	
Chloromethane	ND	ug/kg	12.4	5.2	1	08/24/21 09:51	08/24/21 14:30	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.2	2.2	1	08/24/21 09:51	08/24/21 14:30	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.2	1.1	1	08/24/21 09:51	08/24/21 14:30	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.2	2.4	1	08/24/21 09:51	08/24/21 14:30	96-12-8	
Dibromochloromethane	ND	ug/kg	6.2	3.5	1	08/24/21 09:51	08/24/21 14:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.2	2.7	1	08/24/21 09:51	08/24/21 14:30	106-93-4	
Dibromomethane	ND	ug/kg	6.2	1.3	1	08/24/21 09:51	08/24/21 14:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.2	2.2	1	08/24/21 09:51	08/24/21 14:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.2	1.9	1	08/24/21 09:51	08/24/21 14:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.2	1.6	1	08/24/21 09:51	08/24/21 14:30	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	12.4	2.7	1	08/24/21 09:51	08/24/21 14:30	75-71-8	IK,v1
1,1-Dichloroethane	ND	ug/kg	6.2	2.6	1	08/24/21 09:51	08/24/21 14:30	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.2	4.1	1	08/24/21 09:51	08/24/21 14:30	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.2	2.6	1	08/24/21 09:51	08/24/21 14:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.2	2.1	1	08/24/21 09:51	08/24/21 14:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.2	2.2	1	08/24/21 09:51	08/24/21 14:30	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.2	1.9	1	08/24/21 09:51	08/24/21 14:30	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.2	1.9	1	08/24/21 09:51	08/24/21 14:30	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.2	2.0	1	08/24/21 09:51	08/24/21 14:30	594-20-7	

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(704)875-9092

ANALYTICAL RESULTS

Project: CPC Huntersville 2020-L1-2448
Pace Project No.: 92556482

Sample: MW-89D (22-24') **Lab ID: 92556482002** Collected: 08/18/21 16:05 Received: 08/18/21 17:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D/5035A/5030B Volatiles	Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B Pace Analytical Services - Charlotte								
1,1-Dichloropropene	ND	ug/kg	6.2	3.0	1	08/24/21 09:51	08/24/21 14:30	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.2	1.7	1	08/24/21 09:51	08/24/21 14:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.2	2.1	1	08/24/21 09:51	08/24/21 14:30	10061-02-6	
Diisopropyl ether	**3.8J**	ug/kg	6.2	1.7	1	08/24/21 09:51	08/24/21 14:30	108-20-3	
Ethylbenzene	ND	ug/kg	6.2	2.9	1	08/24/21 09:51	08/24/21 14:30	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	12.4	10.2	1	08/24/21 09:51	08/24/21 14:30	87-68-3	
2-Hexanone	ND	ug/kg	62.2	6.0	1	08/24/21 09:51	08/24/21 14:30	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.2	2.1	1	08/24/21 09:51	08/24/21 14:30	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.2	3.1	1	08/24/21 09:51	08/24/21 14:30	99-87-6	
Methylene Chloride	ND	ug/kg	24.9	17.1	1	08/24/21 09:51	08/24/21 14:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	62.2	6.0	1	08/24/21 09:51	08/24/21 14:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.2	2.3	1	08/24/21 09:51	08/24/21 14:30	1634-04-4	
Naphthalene	ND	ug/kg	6.2	3.3	1	08/24/21 09:51	08/24/21 14:30	91-20-3	
n-Propylbenzene	ND	ug/kg	6.2	2.2	1	08/24/21 09:51	08/24/21 14:30	103-65-1	
Styrene	ND	ug/kg	6.2	1.6	1	08/24/21 09:51	08/24/21 14:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.2	2.4	1	08/24/21 09:51	08/24/21 14:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.2	1.6	1	08/24/21 09:51	08/24/21 14:30	79-34-5	
Tetrachloroethene	ND	ug/kg	6.2	2.0	1	08/24/21 09:51	08/24/21 14:30	127-18-4	
Toluene	**24.0**	ug/kg	6.2	1.8	1	08/24/21 09:51	08/24/21 14:30	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.2	5.0	1	08/24/21 09:51	08/24/21 14:30	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.2	5.2	1	08/24/21 09:51	08/24/21 14:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.2	3.2	1	08/24/21 09:51	08/24/21 14:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.2	2.1	1	08/24/21 09:51	08/24/21 14:30	79-00-5	
Trichloroethene	ND	ug/kg	6.2	1.6	1	08/24/21 09:51	08/24/21 14:30	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.2	3.4	1	08/24/21 09:51	08/24/21 14:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.2	3.1	1	08/24/21 09:51	08/24/21 14:30	96-18-4	
1,2,4-Trimethylbenzene	**9.4**	ug/kg	6.2	1.7	1	08/24/21 09:51	08/24/21 14:30	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.2	2.1	1	08/24/21 09:51	08/24/21 14:30	108-67-8	
Vinyl acetate	ND	ug/kg	62.2	4.5	1	08/24/21 09:51	08/24/21 14:30	108-05-4	
Vinyl chloride	ND	ug/kg	12.4	3.2	1	08/24/21 09:51	08/24/21 14:30	75-01-4	
Xylene (Total)	**26.5**	ug/kg	12.4	3.5	1	08/24/21 09:51	08/24/21 14:30	1330-20-7	
m&p-Xylene	**18.4**	ug/kg	12.4	4.3	1	08/24/21 09:51	08/24/21 14:30	179601-23-1	
o-Xylene	**8.0**	ug/kg	6.2	2.8	1	08/24/21 09:51	08/24/21 14:30	95-47-6	
Surrogates									
Toluene-d8 (S)	101	%	70-130		1	08/24/21 09:51	08/24/21 14:30	2037-26-5	
4-Bromofluorobenzene (S)	97	%	69-134		1	08/24/21 09:51	08/24/21 14:30	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1	08/24/21 09:51	08/24/21 14:30	17060-07-0	
Percent Moisture	Analytical Method: SW-846 Pace Analytical Services - Charlotte								
Percent Moisture	**12.8**	%	0.10	0.10	1		08/19/21 18:04		N2

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(704)875-9092

ANALYTICAL RESULTS

Project: CPC Huntersville 2020-L1-2448
Pace Project No.: 92556482

Sample: MW-89D (32-34') **Lab ID: 92556482003** Collected: 08/18/21 16:10 Received: 08/18/21 17:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VPH NC Soil	Analytical Method: MADEP VPH Preparation Method: MADEP VPH Pace Analytical Services - Charlotte								
Total VPH (C5-C12)	**6.3**	mg/kg	3.0	3.0	1	08/20/21 15:27	08/21/21 01:02		N2
Aliphatic (C05-C08)	**3.8**	mg/kg	3.0	3.0	1	08/20/21 15:27	08/21/21 01:02		N2
Aliphatic(C09-C12) Adjusted	ND	mg/kg	3.0	3.0	1	08/20/21 15:27	08/21/21 01:02		N2
Aromatic (C09-C10)	ND	mg/kg	3.0	3.0	1	08/20/21 15:27	08/21/21 01:02		N2
Surrogates									
4-Bromofluorobenzene (FID) (S)	99	%	70-130		1	08/20/21 15:27	08/21/21 01:02	460-00-4	
4-Bromofluorobenzene (PID) (S)	105	%	70-130		1	08/20/21 15:27	08/21/21 01:02	460-00-4	
8260D/5035A/5030B Volatiles	Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B Pace Analytical Services - Charlotte								
Acetone	ND	ug/kg	123	39.6	1	08/24/21 09:51	08/24/21 14:47	67-64-1	
Benzene	**51.9**	ug/kg	6.2	2.5	1	08/24/21 09:51	08/24/21 14:47	71-43-2	
Bromobenzene	ND	ug/kg	6.2	2.0	1	08/24/21 09:51	08/24/21 14:47	108-86-1	
Bromochloromethane	ND	ug/kg	6.2	1.8	1	08/24/21 09:51	08/24/21 14:47	74-97-5	
Bromodichloromethane	ND	ug/kg	6.2	2.4	1	08/24/21 09:51	08/24/21 14:47	75-27-4	
Bromoform	ND	ug/kg	6.2	2.2	1	08/24/21 09:51	08/24/21 14:47	75-25-2	
Bromomethane	ND	ug/kg	12.3	9.7	1	08/24/21 09:51	08/24/21 14:47	74-83-9	
2-Butanone (MEK)	ND	ug/kg	123	29.6	1	08/24/21 09:51	08/24/21 14:47	78-93-3	
n-Butylbenzene	**79.9**	ug/kg	6.2	2.9	1	08/24/21 09:51	08/24/21 14:47	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.2	2.7	1	08/24/21 09:51	08/24/21 14:47	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.2	2.2	1	08/24/21 09:51	08/24/21 14:47	98-06-6	
Carbon tetrachloride	ND	ug/kg	6.2	2.3	1	08/24/21 09:51	08/24/21 14:47	56-23-5	
Chlorobenzene	ND	ug/kg	6.2	1.2	1	08/24/21 09:51	08/24/21 14:47	108-90-7	
Chloroethane	ND	ug/kg	12.3	4.8	1	08/24/21 09:51	08/24/21 14:47	75-00-3	
Chloroform	ND	ug/kg	6.2	3.7	1	08/24/21 09:51	08/24/21 14:47	67-66-3	
Chloromethane	ND	ug/kg	12.3	5.2	1	08/24/21 09:51	08/24/21 14:47	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.2	2.2	1	08/24/21 09:51	08/24/21 14:47	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.2	1.1	1	08/24/21 09:51	08/24/21 14:47	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.2	2.4	1	08/24/21 09:51	08/24/21 14:47	96-12-8	
Dibromochloromethane	ND	ug/kg	6.2	3.5	1	08/24/21 09:51	08/24/21 14:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.2	2.7	1	08/24/21 09:51	08/24/21 14:47	106-93-4	
Dibromomethane	ND	ug/kg	6.2	1.3	1	08/24/21 09:51	08/24/21 14:47	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.2	2.2	1	08/24/21 09:51	08/24/21 14:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.2	1.9	1	08/24/21 09:51	08/24/21 14:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.2	1.6	1	08/24/21 09:51	08/24/21 14:47	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	12.3	2.7	1	08/24/21 09:51	08/24/21 14:47	75-71-8	IK,v1
1,1-Dichloroethane	ND	ug/kg	6.2	2.5	1	08/24/21 09:51	08/24/21 14:47	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.2	4.1	1	08/24/21 09:51	08/24/21 14:47	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.2	2.5	1	08/24/21 09:51	08/24/21 14:47	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.2	2.1	1	08/24/21 09:51	08/24/21 14:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.2	2.2	1	08/24/21 09:51	08/24/21 14:47	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.2	1.8	1	08/24/21 09:51	08/24/21 14:47	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.2	1.9	1	08/24/21 09:51	08/24/21 14:47	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.2	2.0	1	08/24/21 09:51	08/24/21 14:47	594-20-7	

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ANALYTICAL RESULTS

Project: CPC Huntersville 2020-L1-2448
Pace Project No.: 92556482

Sample: MW-89D (32-34') **Lab ID: 92556482003** Collected: 08/18/21 16:10 Received: 08/18/21 17:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D/5035A/5030B Volatiles	Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B Pace Analytical Services - Charlotte								
1,1-Dichloropropene	ND	ug/kg	6.2	3.0	1	08/24/21 09:51	08/24/21 14:47	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.2	1.7	1	08/24/21 09:51	08/24/21 14:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.2	2.1	1	08/24/21 09:51	08/24/21 14:47	10061-02-6	
Diisopropyl ether	**6.6**	ug/kg	6.2	1.7	1	08/24/21 09:51	08/24/21 14:47	108-20-3	
Ethylbenzene	**468**	ug/kg	6.2	2.9	1	08/24/21 09:51	08/24/21 14:47	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	12.3	10.1	1	08/24/21 09:51	08/24/21 14:47	87-68-3	
2-Hexanone	ND	ug/kg	61.6	5.9	1	08/24/21 09:51	08/24/21 14:47	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.2	2.1	1	08/24/21 09:51	08/24/21 14:47	98-82-8	
p-Isopropyltoluene	**59.6**	ug/kg	6.2	3.0	1	08/24/21 09:51	08/24/21 14:47	99-87-6	
Methylene Chloride	ND	ug/kg	24.6	16.9	1	08/24/21 09:51	08/24/21 14:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	61.6	5.9	1	08/24/21 09:51	08/24/21 14:47	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.2	2.3	1	08/24/21 09:51	08/24/21 14:47	1634-04-4	
Naphthalene	**129**	ug/kg	6.2	3.2	1	08/24/21 09:51	08/24/21 14:47	91-20-3	
n-Propylbenzene	**195**	ug/kg	6.2	2.2	1	08/24/21 09:51	08/24/21 14:47	103-65-1	
Styrene	ND	ug/kg	6.2	1.6	1	08/24/21 09:51	08/24/21 14:47	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.2	2.4	1	08/24/21 09:51	08/24/21 14:47	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.2	1.6	1	08/24/21 09:51	08/24/21 14:47	79-34-5	
Tetrachloroethene	ND	ug/kg	6.2	1.9	1	08/24/21 09:51	08/24/21 14:47	127-18-4	
Toluene	**973**	ug/kg	6.2	1.7	1	08/24/21 09:51	08/24/21 14:47	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.2	5.0	1	08/24/21 09:51	08/24/21 14:47	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.2	5.2	1	08/24/21 09:51	08/24/21 14:47	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.2	3.2	1	08/24/21 09:51	08/24/21 14:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.2	2.0	1	08/24/21 09:51	08/24/21 14:47	79-00-5	
Trichloroethene	ND	ug/kg	6.2	1.6	1	08/24/21 09:51	08/24/21 14:47	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.2	3.4	1	08/24/21 09:51	08/24/21 14:47	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.2	3.1	1	08/24/21 09:51	08/24/21 14:47	96-18-4	
1,2,4-Trimethylbenzene	**1200**	ug/kg	6.2	1.7	1	08/24/21 09:51	08/24/21 14:47	95-63-6	
1,3,5-Trimethylbenzene	**336**	ug/kg	6.2	2.1	1	08/24/21 09:51	08/24/21 14:47	108-67-8	
Vinyl acetate	ND	ug/kg	61.6	4.5	1	08/24/21 09:51	08/24/21 14:47	108-05-4	
Vinyl chloride	ND	ug/kg	12.3	3.1	1	08/24/21 09:51	08/24/21 14:47	75-01-4	
Xylene (Total)	**2360**	ug/kg	12.3	3.5	1	08/24/21 09:51	08/24/21 14:47	1330-20-7	
m&p-Xylene	**1710**	ug/kg	12.3	4.2	1	08/24/21 09:51	08/24/21 14:47	179601-23-1	
o-Xylene	**644**	ug/kg	6.2	2.7	1	08/24/21 09:51	08/24/21 14:47	95-47-6	
Surrogates									
Toluene-d8 (S)	99	%	70-130		1	08/24/21 09:51	08/24/21 14:47	2037-26-5	
4-Bromofluorobenzene (S)	97	%	69-134		1	08/24/21 09:51	08/24/21 14:47	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1	08/24/21 09:51	08/24/21 14:47	17060-07-0	
Percent Moisture	Analytical Method: SW-846 Pace Analytical Services - Charlotte								
Percent Moisture	**14.6**	%	0.10	0.10	1		08/19/21 18:04		N2

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CPC Huntersville 2020-L1-2448
Pace Project No.: 92556482

QC Batch: 642029
QC Batch Method: MADEP VPH
Analysis Method: MADEP VPH
Analysis Description: VPH NC Soil
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92556482001, 92556482002, 92556482003

METHOD BLANK: 3369626 Matrix: Solid
Associated Lab Samples: 92556482001, 92556482002, 92556482003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (C05-C08)	mg/kg	ND	2.5	2.5	08/20/21 19:20	N2
Aromatic (C09-C10)	mg/kg	ND	2.5	2.5	08/20/21 19:20	N2
4-Bromofluorobenzene (FID) (S)	%	95	70-130		08/20/21 19:20	
4-Bromofluorobenzene (PID) (S)	%	101	70-130		08/20/21 19:20	

LABORATORY CONTROL SAMPLE & LCSD: 3369627 3369628

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	mg/kg	14.9	14.7	14.6	99	98	70-130	1	25	N2
Aromatic (C09-C10)	mg/kg	5	5.9	5.9	119	119	70-130	0	25	N2
4-Bromofluorobenzene (FID) (S)	%				95	97	70-130			
4-Bromofluorobenzene (PID) (S)	%				98	101	70-130			

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QUALITY CONTROL DATA

Project: CPC Huntersville 2020-L1-2448
Pace Project No.: 92556482

QC Batch: 642240
QC Batch Method: EPA 5035A/5030B
Analysis Method: EPA 8260D
Analysis Description: 8260D 5035A 5030B
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92556482001

METHOD BLANK: 3370685 Matrix: Solid
Associated Lab Samples: 92556482001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	1.9	08/23/21 13:48	
1,1,1-Trichloroethane	ug/kg	ND	5.0	2.6	08/23/21 13:48	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	1.3	08/23/21 13:48	
1,1,2-Trichloroethane	ug/kg	ND	5.0	1.7	08/23/21 13:48	
1,1-Dichloroethane	ug/kg	ND	5.0	2.1	08/23/21 13:48	
1,1-Dichloroethene	ug/kg	ND	5.0	2.1	08/23/21 13:48	
1,1-Dichloropropene	ug/kg	ND	5.0	2.4	08/23/21 13:48	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	4.0	08/23/21 13:48	
1,2,3-Trichloropropane	ug/kg	ND	5.0	2.5	08/23/21 13:48	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	4.2	08/23/21 13:48	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	1.4	08/23/21 13:48	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	1.9	08/23/21 13:48	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	2.2	08/23/21 13:48	
1,2-Dichlorobenzene	ug/kg	ND	5.0	1.8	08/23/21 13:48	
1,2-Dichloroethane	ug/kg	ND	5.0	3.3	08/23/21 13:48	
1,2-Dichloropropane	ug/kg	ND	5.0	1.5	08/23/21 13:48	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	1.7	08/23/21 13:48	
1,3-Dichlorobenzene	ug/kg	ND	5.0	1.6	08/23/21 13:48	
1,3-Dichloropropane	ug/kg	ND	5.0	1.6	08/23/21 13:48	
1,4-Dichlorobenzene	ug/kg	ND	5.0	1.3	08/23/21 13:48	
2,2-Dichloropropane	ug/kg	ND	5.0	1.6	08/23/21 13:48	
2-Butanone (MEK)	ug/kg	ND	100	24.0	08/23/21 13:48	
2-Chlorotoluene	ug/kg	ND	5.0	1.8	08/23/21 13:48	
2-Hexanone	ug/kg	ND	50.0	4.8	08/23/21 13:48	
4-Chlorotoluene	ug/kg	ND	5.0	0.88	08/23/21 13:48	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	4.8	08/23/21 13:48	
Acetone	ug/kg	ND	100	32.1	08/23/21 13:48	
Benzene	ug/kg	ND	5.0	2.0	08/23/21 13:48	
Bromobenzene	ug/kg	ND	5.0	1.6	08/23/21 13:48	
Bromochloromethane	ug/kg	ND	5.0	1.5	08/23/21 13:48	
Bromodichloromethane	ug/kg	ND	5.0	1.9	08/23/21 13:48	
Bromoform	ug/kg	ND	5.0	1.8	08/23/21 13:48	
Bromomethane	ug/kg	ND	10.0	7.9	08/23/21 13:48	v1
Carbon tetrachloride	ug/kg	ND	5.0	1.9	08/23/21 13:48	
Chlorobenzene	ug/kg	ND	5.0	0.96	08/23/21 13:48	
Chloroethane	ug/kg	ND	10.0	3.9	08/23/21 13:48	v1
Chloroform	ug/kg	ND	5.0	3.0	08/23/21 13:48	
Chloromethane	ug/kg	ND	10.0	4.2	08/23/21 13:48	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	1.7	08/23/21 13:48	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	1.4	08/23/21 13:48	

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QUALITY CONTROL DATA

Project: CPC Huntersville 2020-L1-2448
Pace Project No.: 92556482

METHOD BLANK: 3370685 Matrix: Solid
Associated Lab Samples: 92556482001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dibromochloromethane	ug/kg	ND	5.0	2.8	08/23/21 13:48	
Dibromomethane	ug/kg	ND	5.0	1.1	08/23/21 13:48	
Dichlorodifluoromethane	ug/kg	ND	10.0	2.2	08/23/21 13:48	IK,v1
Diisopropyl ether	ug/kg	ND	5.0	1.4	08/23/21 13:48	
Ethylbenzene	ug/kg	ND	5.0	2.3	08/23/21 13:48	
Hexachloro-1,3-butadiene	ug/kg	ND	10.0	8.2	08/23/21 13:48	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	1.7	08/23/21 13:48	
m&p-Xylene	ug/kg	ND	10.0	3.4	08/23/21 13:48	
Methyl-tert-butyl ether	ug/kg	ND	5.0	1.9	08/23/21 13:48	
Methylene Chloride	ug/kg	ND	20.0	13.7	08/23/21 13:48	
n-Butylbenzene	ug/kg	ND	5.0	2.4	08/23/21 13:48	
n-Propylbenzene	ug/kg	ND	5.0	1.8	08/23/21 13:48	
Naphthalene	ug/kg	ND	5.0	2.6	08/23/21 13:48	
o-Xylene	ug/kg	ND	5.0	2.2	08/23/21 13:48	
p-Isopropyltoluene	ug/kg	ND	5.0	2.5	08/23/21 13:48	
sec-Butylbenzene	ug/kg	ND	5.0	2.2	08/23/21 13:48	
Styrene	ug/kg	ND	5.0	1.3	08/23/21 13:48	
tert-Butylbenzene	ug/kg	ND	5.0	1.8	08/23/21 13:48	
Tetrachloroethene	ug/kg	ND	5.0	1.6	08/23/21 13:48	
Toluene	ug/kg	ND	5.0	1.4	08/23/21 13:48	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	1.8	08/23/21 13:48	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	1.7	08/23/21 13:48	
Trichloroethene	ug/kg	ND	5.0	1.3	08/23/21 13:48	
Trichlorofluoromethane	ug/kg	ND	5.0	2.8	08/23/21 13:48	
Vinyl acetate	ug/kg	ND	50.0	3.6	08/23/21 13:48	
Vinyl chloride	ug/kg	ND	10.0	2.5	08/23/21 13:48	v1
Xylene (Total)	ug/kg	ND	10.0	2.8	08/23/21 13:48	
1,2-Dichloroethane-d4 (S)	%	109	70-130		08/23/21 13:48	
4-Bromofluorobenzene (S)	%	99	69-134		08/23/21 13:48	
Toluene-d8 (S)	%	102	70-130		08/23/21 13:48	

LABORATORY CONTROL SAMPLE: 3370686

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	1250	1250	100	70-130	
1,1,1-Trichloroethane	ug/kg	1250	1310	104	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	1250	1230	99	70-130	
1,1,2-Trichloroethane	ug/kg	1250	1280	102	70-130	
1,1-Dichloroethane	ug/kg	1250	1320	105	70-130	
1,1-Dichloroethene	ug/kg	1250	1330	107	70-130	
1,1-Dichloropropene	ug/kg	1250	1330	106	70-130	
1,2,3-Trichlorobenzene	ug/kg	1250	1450	116	65-130	
1,2,3-Trichloropropane	ug/kg	1250	1340	107	70-130	
1,2,4-Trichlorobenzene	ug/kg	1250	1420	114	68-130	

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QUALITY CONTROL DATA

Project: CPC Huntersville 2020-L1-2448
Pace Project No.: 92556482

LABORATORY CONTROL SAMPLE: 3370686

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1250	1430	114	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	1250	1400	112	70-130	
1,2-Dibromoethane (EDB)	ug/kg	1250	1200	96	70-130	
1,2-Dichlorobenzene	ug/kg	1250	1270	102	70-130	
1,2-Dichloroethane	ug/kg	1250	1250	100	63-130	
1,2-Dichloropropane	ug/kg	1250	1280	102	70-130	
1,3,5-Trimethylbenzene	ug/kg	1250	1340	107	70-130	
1,3-Dichlorobenzene	ug/kg	1250	1460	117	70-130	
1,3-Dichloropropane	ug/kg	1250	1190	95	70-130	
1,4-Dichlorobenzene	ug/kg	1250	1430	114	70-130	
2,2-Dichloropropane	ug/kg	1250	1310	105	66-130	
2-Butanone (MEK)	ug/kg	2500	2240	90	70-130	
2-Chlorotoluene	ug/kg	1250	1320	106	70-130	
2-Hexanone	ug/kg	2500	2590	104	70-130	
4-Chlorotoluene	ug/kg	1250	1270	101	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	2500	2480	99	70-130	
Acetone	ug/kg	2500	2800	112	69-130	
Benzene	ug/kg	1250	1270	102	70-130	
Bromobenzene	ug/kg	1250	1300	104	70-130	
Bromochloromethane	ug/kg	1250	1330	107	70-130	
Bromodichloromethane	ug/kg	1250	1300	104	69-130	
Bromoform	ug/kg	1250	1350	108	70-130	
Bromomethane	ug/kg	1250	1580	126	52-130	v1
Carbon tetrachloride	ug/kg	1250	1380	111	70-130	
Chlorobenzene	ug/kg	1250	1260	101	70-130	
Chloroethane	ug/kg	1250	1580	127	65-130	v1
Chloroform	ug/kg	1250	1380	110	70-130	
Chloromethane	ug/kg	1250	1410	113	55-130	
cis-1,2-Dichloroethene	ug/kg	1250	1270	102	70-130	
cis-1,3-Dichloropropene	ug/kg	1250	1280	102	70-130	
Dibromochloromethane	ug/kg	1250	1350	108	70-130	
Dibromomethane	ug/kg	1250	1290	103	70-130	
Dichlorodifluoromethane	ug/kg	1250	1720	138	45-156	IK,v1
Diisopropyl ether	ug/kg	1250	1220	98	70-130	
Ethylbenzene	ug/kg	1250	1360	109	70-130	
Hexachloro-1,3-butadiene	ug/kg	1250	1480	118	66-130	
Isopropylbenzene (Cumene)	ug/kg	1250	1310	105	70-130	
m&p-Xylene	ug/kg	2500	2520	101	70-130	
Methyl-tert-butyl ether	ug/kg	1250	1310	105	70-130	
Methylene Chloride	ug/kg	1250	1330	107	65-130	
n-Butylbenzene	ug/kg	1250	1460	117	67-130	
n-Propylbenzene	ug/kg	1250	1320	105	70-130	
Naphthalene	ug/kg	1250	1290	103	70-130	
o-Xylene	ug/kg	1250	1230	99	70-130	
p-Isopropyltoluene	ug/kg	1250	1440	115	67-130	
sec-Butylbenzene	ug/kg	1250	1340	107	69-130	
Styrene	ug/kg	1250	1310	105	70-130	

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QUALITY CONTROL DATA

Project: CPC Huntersville 2020-L1-2448
Pace Project No.: 92556482

LABORATORY CONTROL SAMPLE: 3370686

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/kg	1250	1420	114	67-130	
Tetrachloroethene	ug/kg	1250	1340	107	70-130	
Toluene	ug/kg	1250	1260	101	70-130	
trans-1,2-Dichloroethene	ug/kg	1250	1340	107	70-130	
trans-1,3-Dichloropropene	ug/kg	1250	1360	109	68-130	
Trichloroethene	ug/kg	1250	1250	100	70-130	
Trichlorofluoromethane	ug/kg	1250	1360	109	70-130	
Vinyl acetate	ug/kg	2500	2790	111	70-130	
Vinyl chloride	ug/kg	1250	1530	123	61-130	v1
Xylene (Total)	ug/kg	3750	3760	100	70-130	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			96	69-134	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3370687 3370688

Parameter	Units	92555973010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	57700	57700	60400	59700	105	103	70-131	1	30	
1,1,1-Trichloroethane	ug/kg	ND	57700	57700	64500	66100	112	115	65-133	2	30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	57700	57700	60900	60400	106	105	66-130	1	30	
1,1,2-Trichloroethane	ug/kg	ND	57700	57700	62900	62500	109	108	66-133	1	30	
1,1-Dichloroethane	ug/kg	ND	57700	57700	65100	66600	113	115	65-130	2	30	
1,1-Dichloroethene	ug/kg	ND	57700	57700	68700	68600	119	119	10-158	0	30	
1,1-Dichloropropene	ug/kg	ND	57700	57700	65300	67900	113	118	68-133	4	30	
1,2,3-Trichlorobenzene	ug/kg	ND	57700	57700	63900	59300	111	103	27-138	7	30	
1,2,3-Trichloropropane	ug/kg	ND	57700	57700	64300	62200	111	108	67-130	3	30	
1,2,4-Trichlorobenzene	ug/kg	ND	57700	57700	65000	62000	113	108	51-134	5	30	
1,2,4-Trimethylbenzene	ug/kg	162000	57700	57700	235000	246000	128	145	63-136	4	30	M1
1,2-Dibromo-3-chloropropane	ug/kg	ND	57700	57700	65300	64100	113	111	32-130	2	30	
1,2-Dibromoethane (EDB)	ug/kg	ND	57700	57700	59300	57100	103	99	70-130	4	30	
1,2-Dichlorobenzene	ug/kg	ND	57700	57700	59200	56800	103	99	69-130	4	30	
1,2-Dichloroethane	ug/kg	ND	57700	57700	61100	61500	106	107	59-130	1	30	
1,2-Dichloropropane	ug/kg	ND	57700	57700	61400	60600	106	105	70-130	1	30	
1,3,5-Trimethylbenzene	ug/kg	ND	57700	57700	105000	105000	182	182	65-137	0	30	M1
1,3-Dichlorobenzene	ug/kg	ND	57700	57700	66100	63600	115	110	70-130	4	30	
1,3-Dichloropropane	ug/kg	ND	57700	57700	56800	57300	98	99	70-130	1	30	
1,4-Dichlorobenzene	ug/kg	ND	57700	57700	67200	63000	117	109	68-130	7	30	
2,2-Dichloropropane	ug/kg	ND	57700	57700	62900	65100	109	113	32-130	4	30	
2-Butanone (MEK)	ug/kg	ND	115000	115000	123000	120000	106	104	10-136	2	30	
2-Chlorotoluene	ug/kg	ND	57700	57700	65100	62400	113	108	69-141	4	30	
2-Hexanone	ug/kg	ND	115000	115000	129000	127000	112	110	10-144	2	30	
4-Chlorotoluene	ug/kg	ND	57700	57700	63700	61300	110	106	70-132	4	30	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	115000	115000	119000	118000	103	102	25-143	1	30	

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QUALITY CONTROL DATA

Project: CPC Huntersville 2020-L1-2448
Pace Project No.: 92556482

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3370687 3370688

Parameter	Units	92555973010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acetone	ug/kg	25600	115000	115000	159000	165000	116	121	10-130	4	30	
Benzene	ug/kg	34700	57700	57700	95500	99500	105	112	67-130	4	30	
Bromobenzene	ug/kg	ND	57700	57700	60500	59000	105	102	70-130	3	30	
Bromochloromethane	ug/kg	ND	57700	57700	63100	65300	109	113	69-134	3	30	
Bromodichloromethane	ug/kg	ND	57700	57700	59900	60400	104	105	64-130	1	30	
Bromoform	ug/kg	ND	57700	57700	62900	61200	109	106	62-130	3	30	
Bromomethane	ug/kg	ND	57700	57700	76700	74900	133	130	20-176	2	30	v1
Carbon tetrachloride	ug/kg	ND	57700	57700	66000	64200	114	111	65-140	3	30	
Chlorobenzene	ug/kg	ND	57700	57700	60900	60100	106	104	70-130	1	30	
Chloroethane	ug/kg	ND	57700	57700	77300	78000	134	135	10-130	1	30	M1,v1
Chloroform	ug/kg	ND	57700	57700	68900	69900	119	121	63-130	1	30	
Chloromethane	ug/kg	ND	57700	57700	72400	73400	125	127	58-130	1	30	
cis-1,2-Dichloroethene	ug/kg	ND	57700	57700	62500	64500	108	112	66-130	3	30	
cis-1,3-Dichloropropene	ug/kg	ND	57700	57700	58700	58600	102	102	67-130	0	30	
Dibromochloromethane	ug/kg	ND	57700	57700	63200	63200	109	110	67-130	0	30	
Dibromomethane	ug/kg	ND	57700	57700	60100	57700	104	100	63-131	4	30	
Dichlorodifluoromethane	ug/kg	ND	57700	57700	86400	87600	150	152	44-180	1	30	IK,v1
Diisopropyl ether	ug/kg	ND	57700	57700	60600	60900	105	106	63-130	0	30	
Ethylbenzene	ug/kg	82200	57700	57700	147000	154000	113	125	66-130	5	30	
Hexachloro-1,3-butadiene	ug/kg	ND	57700	57700	65800	64400	114	112	64-150	2	30	
Isopropylbenzene (Cumene)	ug/kg	7050	57700	57700	68500	67600	107	105	69-135	1	30	
m&p-Xylene	ug/kg	291000	115000	115000	415000	435000	107	125	60-133	5	30	
Methyl-tert-butyl ether	ug/kg	ND	57700	57700	62800	64500	109	112	65-130	3	30	
Methylene Chloride	ug/kg	ND	57700	57700	73100	72100	127	125	61-130	1	30	
n-Butylbenzene	ug/kg	8910	57700	57700	88400	78500	138	121	65-140	12	30	
n-Propylbenzene	ug/kg	26600	57700	57700	86500	86500	104	104	67-140	0	30	
Naphthalene	ug/kg	17600	57700	57700	77000	75500	103	100	15-145	2	30	
o-Xylene	ug/kg	111000	57700	57700	172000	180000	107	119	66-133	4	30	
p-Isopropyltoluene	ug/kg	6520	57700	57700	73700	70600	117	111	56-147	4	30	
sec-Butylbenzene	ug/kg	ND	57700	57700	63600	62100	110	108	65-139	2	30	
Styrene	ug/kg	3190	57700	57700	66000	64900	109	107	70-132	2	30	
tert-Butylbenzene	ug/kg	ND	57700	57700	66900	65000	116	113	62-135	3	30	
Tetrachloroethene	ug/kg	ND	57700	57700	63900	60800	111	105	70-135	5	30	
Toluene	ug/kg	259000	57700	57700	324000	352000	113	161	67-130	8	30	M1
trans-1,2-Dichloroethene	ug/kg	ND	57700	57700	65300	65400	113	113	69-130	0	30	
trans-1,3-Dichloropropene	ug/kg	ND	57700	57700	62400	61700	108	107	62-130	1	30	
Trichloroethene	ug/kg	ND	57700	57700	59500	59400	103	103	70-135	0	30	
Trichlorofluoromethane	ug/kg	ND	57700	57700	67300	69000	117	120	10-130	2	30	
Vinyl acetate	ug/kg	ND	115000	115000	127000	125000	110	108	53-130	1	30	
Vinyl chloride	ug/kg	ND	57700	57700	74400	76400	129	132	61-148	3	30	v1
Xylene (Total)	ug/kg	402000	173000	173000	587000	615000	107	123	63-132	5	30	
1,2-Dichloroethane-d4 (S)	%						107	110	70-130			
4-Bromofluorobenzene (S)	%						101	99	69-134			
Toluene-d8 (S)	%						102	101	70-130			

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REPORT OF LABORATORY ANALYSIS

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(704)875-9092

QUALITY CONTROL DATA

Project: CPC Huntersville 2020-L1-2448
Pace Project No.: 92556482

QC Batch: 642457
QC Batch Method: EPA 5035A/5030B
Analysis Method: EPA 8260D
Analysis Description: 8260D 5035A 5030B
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92556482002, 92556482003

METHOD BLANK: 3371610 Matrix: Solid
Associated Lab Samples: 92556482002, 92556482003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	1.9	08/24/21 11:52	
1,1,1-Trichloroethane	ug/kg	ND	5.0	2.6	08/24/21 11:52	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	1.3	08/24/21 11:52	
1,1,2-Trichloroethane	ug/kg	ND	5.0	1.7	08/24/21 11:52	
1,1-Dichloroethane	ug/kg	ND	5.0	2.1	08/24/21 11:52	
1,1-Dichloroethene	ug/kg	ND	5.0	2.1	08/24/21 11:52	
1,1-Dichloropropene	ug/kg	ND	5.0	2.4	08/24/21 11:52	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	4.0	08/24/21 11:52	
1,2,3-Trichloropropane	ug/kg	ND	5.0	2.5	08/24/21 11:52	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	4.2	08/24/21 11:52	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	1.4	08/24/21 11:52	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	1.9	08/24/21 11:52	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	2.2	08/24/21 11:52	
1,2-Dichlorobenzene	ug/kg	ND	5.0	1.8	08/24/21 11:52	
1,2-Dichloroethane	ug/kg	ND	5.0	3.3	08/24/21 11:52	
1,2-Dichloropropane	ug/kg	ND	5.0	1.5	08/24/21 11:52	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	1.7	08/24/21 11:52	
1,3-Dichlorobenzene	ug/kg	ND	5.0	1.6	08/24/21 11:52	
1,3-Dichloropropane	ug/kg	ND	5.0	1.6	08/24/21 11:52	
1,4-Dichlorobenzene	ug/kg	ND	5.0	1.3	08/24/21 11:52	
2,2-Dichloropropane	ug/kg	ND	5.0	1.6	08/24/21 11:52	
2-Butanone (MEK)	ug/kg	ND	100	24.0	08/24/21 11:52	
2-Chlorotoluene	ug/kg	ND	5.0	1.8	08/24/21 11:52	
2-Hexanone	ug/kg	ND	50.0	4.8	08/24/21 11:52	
4-Chlorotoluene	ug/kg	ND	5.0	0.88	08/24/21 11:52	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	4.8	08/24/21 11:52	
Acetone	ug/kg	ND	100	32.1	08/24/21 11:52	
Benzene	ug/kg	ND	5.0	2.0	08/24/21 11:52	
Bromobenzene	ug/kg	ND	5.0	1.6	08/24/21 11:52	
Bromochloromethane	ug/kg	ND	5.0	1.5	08/24/21 11:52	
Bromodichloromethane	ug/kg	ND	5.0	1.9	08/24/21 11:52	
Bromoform	ug/kg	ND	5.0	1.8	08/24/21 11:52	
Bromomethane	ug/kg	ND	10.0	7.9	08/24/21 11:52	
Carbon tetrachloride	ug/kg	ND	5.0	1.9	08/24/21 11:52	
Chlorobenzene	ug/kg	ND	5.0	0.96	08/24/21 11:52	
Chloroethane	ug/kg	ND	10.0	3.9	08/24/21 11:52	
Chloroform	ug/kg	ND	5.0	3.0	08/24/21 11:52	
Chloromethane	ug/kg	ND	10.0	4.2	08/24/21 11:52	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	1.7	08/24/21 11:52	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	1.4	08/24/21 11:52	

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QUALITY CONTROL DATA

Project: CPC Huntersville 2020-L1-2448
Pace Project No.: 92556482

METHOD BLANK: 3371610 Matrix: Solid
Associated Lab Samples: 92556482002, 92556482003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dibromochloromethane	ug/kg	ND	5.0	2.8	08/24/21 11:52	
Dibromomethane	ug/kg	ND	5.0	1.1	08/24/21 11:52	
Dichlorodifluoromethane	ug/kg	ND	10.0	2.2	08/24/21 11:52	IK,v1
Diisopropyl ether	ug/kg	ND	5.0	1.4	08/24/21 11:52	
Ethylbenzene	ug/kg	ND	5.0	2.3	08/24/21 11:52	
Hexachloro-1,3-butadiene	ug/kg	ND	10.0	8.2	08/24/21 11:52	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	1.7	08/24/21 11:52	
m&p-Xylene	ug/kg	ND	10.0	3.4	08/24/21 11:52	
Methyl-tert-butyl ether	ug/kg	ND	5.0	1.9	08/24/21 11:52	
Methylene Chloride	ug/kg	ND	20.0	13.7	08/24/21 11:52	
n-Butylbenzene	ug/kg	ND	5.0	2.4	08/24/21 11:52	
n-Propylbenzene	ug/kg	ND	5.0	1.8	08/24/21 11:52	
Naphthalene	ug/kg	ND	5.0	2.6	08/24/21 11:52	
o-Xylene	ug/kg	ND	5.0	2.2	08/24/21 11:52	
p-Isopropyltoluene	ug/kg	ND	5.0	2.5	08/24/21 11:52	
sec-Butylbenzene	ug/kg	ND	5.0	2.2	08/24/21 11:52	
Styrene	ug/kg	ND	5.0	1.3	08/24/21 11:52	
tert-Butylbenzene	ug/kg	ND	5.0	1.8	08/24/21 11:52	
Tetrachloroethene	ug/kg	ND	5.0	1.6	08/24/21 11:52	
Toluene	ug/kg	ND	5.0	1.4	08/24/21 11:52	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	1.8	08/24/21 11:52	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	1.7	08/24/21 11:52	
Trichloroethene	ug/kg	ND	5.0	1.3	08/24/21 11:52	
Trichlorofluoromethane	ug/kg	ND	5.0	2.8	08/24/21 11:52	
Vinyl acetate	ug/kg	ND	50.0	3.6	08/24/21 11:52	
Vinyl chloride	ug/kg	ND	10.0	2.5	08/24/21 11:52	
Xylene (Total)	ug/kg	ND	10.0	2.8	08/24/21 11:52	
1,2-Dichloroethane-d4 (S)	%	105	70-130		08/24/21 11:52	
4-Bromofluorobenzene (S)	%	101	69-134		08/24/21 11:52	
Toluene-d8 (S)	%	101	70-130		08/24/21 11:52	

LABORATORY CONTROL SAMPLE: 3371611

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	1250	1230	98	70-130	
1,1,1-Trichloroethane	ug/kg	1250	1240	99	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	1250	1220	97	70-130	
1,1,2-Trichloroethane	ug/kg	1250	1260	101	70-130	
1,1-Dichloroethane	ug/kg	1250	1260	101	70-130	
1,1-Dichloroethene	ug/kg	1250	1300	104	70-130	
1,1-Dichloropropene	ug/kg	1250	1270	101	70-130	
1,2,3-Trichlorobenzene	ug/kg	1250	1440	116	65-130	
1,2,3-Trichloropropane	ug/kg	1250	1290	104	70-130	
1,2,4-Trichlorobenzene	ug/kg	1250	1430	115	68-130	

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QUALITY CONTROL DATA

Project: CPC Huntersville 2020-L1-2448
Pace Project No.: 92556482

LABORATORY CONTROL SAMPLE: 3371611

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1250	1420	114	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	1250	1330	107	70-130	
1,2-Dibromoethane (EDB)	ug/kg	1250	1190	95	70-130	
1,2-Dichlorobenzene	ug/kg	1250	1270	102	70-130	
1,2-Dichloroethane	ug/kg	1250	1220	97	63-130	
1,2-Dichloropropane	ug/kg	1250	1230	99	70-130	
1,3,5-Trimethylbenzene	ug/kg	1250	1330	107	70-130	
1,3-Dichlorobenzene	ug/kg	1250	1420	113	70-130	
1,3-Dichloropropane	ug/kg	1250	1170	93	70-130	
1,4-Dichlorobenzene	ug/kg	1250	1490	119	70-130	
2,2-Dichloropropane	ug/kg	1250	1250	100	66-130	
2-Butanone (MEK)	ug/kg	2500	2200	88	70-130	
2-Chlorotoluene	ug/kg	1250	1300	104	70-130	
2-Hexanone	ug/kg	2500	2540	102	70-130	
4-Chlorotoluene	ug/kg	1250	1260	101	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	2500	2400	96	70-130	
Acetone	ug/kg	2500	2750	110	69-130	
Benzene	ug/kg	1250	1240	99	70-130	
Bromobenzene	ug/kg	1250	1280	102	70-130	
Bromochloromethane	ug/kg	1250	1280	103	70-130	
Bromodichloromethane	ug/kg	1250	1230	99	69-130	
Bromoform	ug/kg	1250	1280	103	70-130	
Bromomethane	ug/kg	1250	1450	116	52-130	
Carbon tetrachloride	ug/kg	1250	1330	106	70-130	
Chlorobenzene	ug/kg	1250	1240	99	70-130	
Chloroethane	ug/kg	1250	1580	126	65-130	
Chloroform	ug/kg	1250	1340	108	70-130	
Chloromethane	ug/kg	1250	1350	108	55-130	
cis-1,2-Dichloroethene	ug/kg	1250	1230	98	70-130	
cis-1,3-Dichloropropene	ug/kg	1250	1240	99	70-130	
Dibromochloromethane	ug/kg	1250	1290	103	70-130	
Dibromomethane	ug/kg	1250	1270	102	70-130	
Dichlorodifluoromethane	ug/kg	1250	1660	133	45-156	IK,v1
Diisopropyl ether	ug/kg	1250	1190	95	70-130	
Ethylbenzene	ug/kg	1250	1330	107	70-130	
Hexachloro-1,3-butadiene	ug/kg	1250	1500	120	66-130	
Isopropylbenzene (Cumene)	ug/kg	1250	1270	101	70-130	
m&p-Xylene	ug/kg	2500	2480	99	70-130	
Methyl-tert-butyl ether	ug/kg	1250	1280	102	70-130	
Methylene Chloride	ug/kg	1250	1320	106	65-130	
n-Butylbenzene	ug/kg	1250	1450	116	67-130	
n-Propylbenzene	ug/kg	1250	1310	105	70-130	
Naphthalene	ug/kg	1250	1280	103	70-130	
o-Xylene	ug/kg	1250	1200	96	70-130	
p-Isopropyltoluene	ug/kg	1250	1430	114	67-130	
sec-Butylbenzene	ug/kg	1250	1320	105	69-130	
Styrene	ug/kg	1250	1290	103	70-130	

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QUALITY CONTROL DATA

Project: CPC Huntersville 2020-L1-2448
Pace Project No.: 92556482

LABORATORY CONTROL SAMPLE: 3371611

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/kg	1250	1410	113	67-130	
Tetrachloroethene	ug/kg	1250	1320	105	70-130	
Toluene	ug/kg	1250	1210	97	70-130	
trans-1,2-Dichloroethene	ug/kg	1250	1280	102	70-130	
trans-1,3-Dichloropropene	ug/kg	1250	1320	105	68-130	
Trichloroethene	ug/kg	1250	1210	97	70-130	
Trichlorofluoromethane	ug/kg	1250	1300	104	70-130	
Vinyl acetate	ug/kg	2500	2690	108	70-130	
Vinyl chloride	ug/kg	1250	1470	118	61-130	
Xylene (Total)	ug/kg	3750	3680	98	70-130	
1,2-Dichloroethane-d4 (S)	%			93	70-130	
4-Bromofluorobenzene (S)	%			95	69-134	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3371612 3371613

Parameter	Units	92556671002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	61900	61900	64600	64400	104	103	70-131	0	30	
1,1,1-Trichloroethane	ug/kg	ND	61900	61900	66700	66000	107	106	65-133	1	30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	61900	61900	64500	64100	104	104	66-130	1	30	
1,1,2-Trichloroethane	ug/kg	ND	61900	61900	65300	66200	105	107	66-133	1	30	
1,1-Dichloroethane	ug/kg	ND	61900	61900	69000	67200	110	108	65-130	3	30	
1,1-Dichloroethene	ug/kg	ND	61900	61900	70900	69900	114	112	10-158	1	30	
1,1-Dichloropropene	ug/kg	ND	61900	61900	69000	67700	111	109	68-133	2	30	
1,2,3-Trichlorobenzene	ug/kg	ND	61900	61900	69900	71700	113	116	27-138	3	30	
1,2,3-Trichloropropane	ug/kg	ND	61900	61900	65900	69000	106	111	67-130	5	30	
1,2,4-Trichlorobenzene	ug/kg	ND	61900	61900	71800	71400	116	115	51-134	1	30	
1,2,4-Trimethylbenzene	ug/kg	269000	61900	61900	345000	382000	124	184	63-136	10	30	M1
1,2-Dibromo-3-chloropropane	ug/kg	ND	61900	61900	68700	68400	111	110	32-130	0	30	
1,2-Dibromoethane (EDB)	ug/kg	ND	61900	61900	61500	62200	99	101	70-130	1	30	
1,2-Dichlorobenzene	ug/kg	ND	61900	61900	63500	64400	103	104	69-130	1	30	
1,2-Dichloroethane	ug/kg	ND	61900	61900	62800	61800	101	100	59-130	2	30	
1,2-Dichloropropane	ug/kg	ND	61900	61900	66100	67400	107	109	70-130	2	30	
1,3,5-Trimethylbenzene	ug/kg	ND	61900	61900	140000	148000	226	239	65-137	6	30	M1
1,3-Dichlorobenzene	ug/kg	ND	61900	61900	71800	71700	115	115	70-130	0	30	
1,3-Dichloropropane	ug/kg	ND	61900	61900	61100	62700	99	101	70-130	3	30	
1,4-Dichlorobenzene	ug/kg	ND	61900	61900	74800	73800	121	119	68-130	1	30	
2,2-Dichloropropane	ug/kg	723	61900	61900	66400	65400	106	104	32-130	1	30	
2-Butanone (MEK)	ug/kg	ND	123000	123000	112000	112000	90	90	10-136	0	30	
2-Chlorotoluene	ug/kg	ND	61900	61900	74400	75000	120	121	69-141	1	30	
2-Hexanone	ug/kg	ND	123000	123000	135000	138000	109	112	10-144	2	30	
4-Chlorotoluene	ug/kg	ND	61900	61900	72000	74100	116	120	70-132	3	30	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	123000	123000	126000	129000	102	104	25-143	3	30	

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QUALITY CONTROL DATA

Project: CPC Huntersville 2020-L1-2448
Pace Project No.: 92556482

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3371612 3371613

Parameter	Units	92556671002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acetone	ug/kg	ND	123000	123000	146000	141000	108	105	10-130	3	30	
Benzene	ug/kg	3980	61900	61900	70400	70200	107	107	67-130	0	30	
Bromobenzene	ug/kg	ND	61900	61900	70700	66200	114	107	70-130	7	30	
Bromochloromethane	ug/kg	ND	61900	61900	66300	63700	107	103	69-134	4	30	
Bromodichloromethane	ug/kg	ND	61900	61900	65800	65500	106	106	64-130	0	30	
Bromoform	ug/kg	ND	61900	61900	63500	65200	102	105	62-130	3	30	
Bromomethane	ug/kg	ND	61900	61900	71500	69300	115	112	20-176	3	30	
Carbon tetrachloride	ug/kg	ND	61900	61900	70700	72200	114	117	65-140	2	30	
Chlorobenzene	ug/kg	ND	61900	61900	66700	67900	108	110	70-130	2	30	
Chloroethane	ug/kg	ND	61900	61900	81300	80400	131	130	10-130	1	30	M1
Chloroform	ug/kg	664	61900	61900	70700	70500	113	113	63-130	0	30	
Chloromethane	ug/kg	ND	61900	61900	76600	73400	122	117	58-130	4	30	
cis-1,2-Dichloroethene	ug/kg	ND	61900	61900	65700	65400	105	105	66-130	0	30	
cis-1,3-Dichloropropene	ug/kg	ND	61900	61900	62900	63800	102	103	67-130	1	30	
Dibromochloromethane	ug/kg	ND	61900	61900	68100	67900	110	110	67-130	0	30	
Dibromomethane	ug/kg	ND	61900	61900	64600	64200	104	104	63-131	1	30	
Dichlorodifluoromethane	ug/kg	ND	61900	61900	91100	89900	147	145	44-180	1	30	IK,v1
Diisopropyl ether	ug/kg	ND	61900	61900	62900	61500	102	99	63-130	2	30	
Ethylbenzene	ug/kg	40500	61900	61900	111000	117000	114	124	66-130	5	30	
Hexachloro-1,3-butadiene	ug/kg	ND	61900	61900	80100	83300	129	134	64-150	4	30	
Isopropylbenzene (Cumene)	ug/kg	7760	61900	61900	75100	77400	109	112	69-135	3	30	
m&p-Xylene	ug/kg	194000	123000	123000	322000	349000	104	125	60-133	8	30	
Methyl-tert-butyl ether	ug/kg	ND	61900	61900	65300	63900	105	103	65-130	2	30	
Methylene Chloride	ug/kg	13700	61900	61900	82600	78500	111	105	61-130	5	30	
n-Butylbenzene	ug/kg	ND	61900	61900	95600	93700	154	151	65-140	2	30	M1
n-Propylbenzene	ug/kg	ND	61900	61900	94300	96600	152	156	67-140	2	30	M1
Naphthalene	ug/kg	46600	61900	61900	109000	119000	101	118	15-145	9	30	
o-Xylene	ug/kg	98500	61900	61900	161000	174000	101	121	66-133	8	30	
p-Isopropyltoluene	ug/kg	ND	61900	61900	86900	90600	140	146	56-147	4	30	
sec-Butylbenzene	ug/kg	ND	61900	61900	73000	73900	118	119	65-139	1	30	
Styrene	ug/kg	ND	61900	61900	71100	72200	115	117	70-132	1	30	
tert-Butylbenzene	ug/kg	ND	61900	61900	72600	77000	117	124	62-135	6	30	
Tetrachloroethene	ug/kg	657	61900	61900	70400	72200	113	116	70-135	3	30	
Toluene	ug/kg	58600	61900	61900	123000	131000	103	117	67-130	7	30	
trans-1,2-Dichloroethene	ug/kg	659	61900	61900	68600	68100	110	109	69-130	1	30	
trans-1,3-Dichloropropene	ug/kg	ND	61900	61900	67800	67100	109	108	62-130	1	30	
Trichloroethene	ug/kg	ND	61900	61900	64100	66800	103	108	70-135	4	30	
Trichlorofluoromethane	ug/kg	ND	61900	61900	70400	70200	114	113	10-130	0	30	
Vinyl acetate	ug/kg	ND	123000	123000	134000	132000	108	106	53-130	1	30	
Vinyl chloride	ug/kg	ND	61900	61900	78400	77200	125	124	61-148	2	30	
Xylene (Total)	ug/kg	292000	186000	186000	483000	523000	103	124	63-132	8	30	
1,2-Dichloroethane-d4 (S)	%						101	98	70-130			
4-Bromofluorobenzene (S)	%						100	100	69-134			
Toluene-d8 (S)	%						101	101	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CPC Huntersville 2020-L1-2448
Pace Project No.: 92556482

QC Batch: 641748
QC Batch Method: SW-846
Analysis Method: SW-846
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92556482001, 92556482002, 92556482003

SAMPLE DUPLICATE: 3368305

Parameter	Units	92556671001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	12.8	13.1	2	25	N2

SAMPLE DUPLICATE: 3368306

Parameter	Units	92556453002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.6	14.7	1	25	N2

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: CPC Huntersville 2020-L1-2448
Pace Project No.: 92556482

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

IK	The recalculated concentration of the calibration standard(s) did not meet method acceptance criteria; this result should be considered an estimated value.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
v1	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CPC Huntersville 2020-L1-2448
Pace Project No.: 92556482

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92556482001	**MW-89D (10-12')**	MADEP VPH	642029	MADEP VPH	642056
92556482002	**MW-89D (22-24')**	MADEP VPH	642029	MADEP VPH	642056
92556482003	**MW-89D (32-34')**	MADEP VPH	642029	MADEP VPH	642056
92556482001	**MW-89D (10-12')**	EPA 5035A/5030B	642240	EPA 8260D	642245
92556482002	**MW-89D (22-24')**	EPA 5035A/5030B	642457	EPA 8260D	642466
92556482003	**MW-89D (32-34')**	EPA 5035A/5030B	642457	EPA 8260D	642466
92556482001	**MW-89D (10-12')**	SW-846	641748		
92556482002	**MW-89D (22-24')**	SW-846	641748		
92556482003	**MW-89D (32-34')**	SW-846	641748		

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or

WO# : 92556482

92556482

ALL SHADED

Company: Apex Companies	Billing Information:
Address: 5900 Northwoods Business Pkwy, Ste-D	
Report To: Andrew Street	Email To: andrew.street@apexcos.com
Copy To: tom.naymann@apexcos.com	Site Collection Info/Address: Huntsville-Concord Rd,
Customer Project Name/Number: CPC Huntsville	State: NC County/City: Huntsville Time Zone Collected: [ ] PT [ ] MT [ ] CT [✓] ET
Phone: Email:	Site/Facility ID #: CPC Huntsville
Collected By (print): C. Alexander	Purchase Order #: Quote #: 2020-L1-2748
Collected By (signature): C. Alexander	Turnaround Date Required: Std.
Sample Disposal: [✓] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)
	Compliance Monitoring? [ ] Yes [✓] No
	DW PWS ID #: DW Location Code:
	Immediately Packed on Ice: [✓] Yes [ ] No
	Field Filtered (if applicable): [ ] Yes [✓] No Analysis: _____

Container Preservative Type: 6 6

** Preservative Types: (1) nitric acid, (2) sulfuric a... (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Analyses: VOCs by 8260D; MADEP VPH

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N (NA)
Custody Signatures Present	Y N (NA)
Collector Signature Present	(Y) N NA
Bottles Intact	(Y) N NA
Correct Bottles	(Y) N NA
Sufficient Volume	(Y) N NA
Samples Received on Ice	(Y) N NA
VOA - Headspace Acceptable	(Y) N NA
USDA Regulated Soils	Y N (NA)
Samples in Holding Time	(Y) N NA
Residual Chlorine Present	Y N (NA)
Cl Strips: _____	
Sample pH Acceptable	Y N (NA)
pH Strips: _____	
Sulfide Present	Y N (NA)
Lead Acetate Strips: _____	

LAB USE ONLY:
Lab Sample # / Comments:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	VOCs by 8260D	MADEP VPH	Lab Sample # / Comments
MW-89D (10-12')	SL	Grab	8/18/21	1600				3	X	X	92556481 001
MW-89D (22-24')	SL	Grab	8/18/21	1605				3	X	X	002
MW-89D (32-34')	SL	Grab	8/18/21	1610				3	X	X	003

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: (Wet) Blue Dry None

Packing Material Used: None

Radchem sample(s) screened (<500 cpm): Y N (NA)

SHORT HOLDS PRESENT (<72 hours): Y (N) N/A

Lab Tracking #: 2632958

Samples received via: FEDEX UPS (Client) Courier Pace Courier

Lab Sample Temperature Info:

Temp Blank Received: Y (N) NA

Therm ID#: 92706

Cooler 1 Temp Upon Receipt: 1.2 oC

Cooler 1 Therm Corr. Factor: -0.1 oC

Cooler 1 Corrected Temp: 1.1 oC

Comments:

Relinquished by/Company: (Signature) C. Alexander	Date/Time: 8/18/21 1730	Received by/Company: (Signature) JKC PaceHOU	Date/Time: 8/18/21 1730
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY

Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y (N) NA
HCL MeOH TSP Other

Non Conformance(s): YES / (NO)

Page: _____ of: _____

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

September 08, 2021

Andrew Street
Apex Companies - NC
5900 Northwoods Business Pkwy
Suite 5900-0
Charlotte, NC 28269

RE: Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92558727

Dear Andrew Street:

Enclosed are the analytical results for sample(s) received by the laboratory on August 31, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Charlotte

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angela M. Baioni

Angela Baioni
angela.baioni@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: J Culbreath, Colonial Pipeline Company
Naomi Fretz, APEX Companies, LLC
Robert Hughes, Colonial Pipeline
Cameron Lee, Montrose-EPS
Jamie Moran, APEX Companies, LLC
Jeff Morrison, Colonial Pipeline Company
Tom Naumann, APEX Companies - NC
Joe Nicolette, Montrose-EPS
Kaitlyn Nootens, Apex Companies
Christopher Schultz, Apex Companies
Matt Teixeira, Apex Companies, LLC
Michael Verdon, Colonial Pipeline Company
JM Wyatt, Colonial Pipeline Company

REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92558727

Pace Analytical Services Charlotte
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92558727

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92558727001	**RW-82 (32-34')**	Solid	08/30/21 16:46	08/31/21 17:09
92558727002	**RW-82 (42-44')**	Solid	08/31/21 10:55	08/31/21 17:09

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92558727

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92558727001	**RW-82 (32-34')**	MADEP VPH	MAD	6	PASI-C
		EPA 8260D	CL	70	PASI-C
		SW-846	KDF	1	PASI-C
92558727002	**RW-82 (42-44')**	MADEP VPH	MAD	6	PASI-C
		EPA 8260D	CL	70	PASI-C
		SW-846	KDF	1	PASI-C

PASI-C = Pace Analytical Services - Charlotte

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Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92558727

Sample: RW-82 (32-34') **Lab ID: 92558727001** Collected: 08/30/21 16:46 Received: 08/31/21 17:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VPH NC Soil	Analytical Method: MADEP VPH Preparation Method: MADEP VPH Pace Analytical Services - Charlotte								
Total VPH (C5-C12)	**1950**	mg/kg	32.5	32.5	10	09/03/21 18:55	09/04/21 11:03		N2
Aliphatic (C05-C08)	**988**	mg/kg	32.5	32.5	10	09/03/21 18:55	09/04/21 11:03		N2
Aliphatic(C09-C12) Adjusted	**687**	mg/kg	32.5	32.5	10	09/03/21 18:55	09/04/21 11:03		N2
Aromatic (C09-C10)	**279**	mg/kg	32.5	32.5	10	09/03/21 18:55	09/04/21 11:03		N2
Surrogates									
4-Bromofluorobenzene (FID) (S)	115	%	70-130		10	09/03/21 18:55	09/04/21 11:03	460-00-4	
4-Bromofluorobenzene (PID) (S)	94	%	70-130		10	09/03/21 18:55	09/04/21 11:03	460-00-4	
8260D/5035A/5030B Volatiles	Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B Pace Analytical Services - Charlotte								
Acetone	ND	ug/kg	1650	530	12.5	09/08/21 12:13	09/08/21 13:42	67-64-1	
Benzene	**631**	ug/kg	82.6	32.9	12.5	09/08/21 12:13	09/08/21 13:42	71-43-2	
Bromobenzene	ND	ug/kg	82.6	26.9	12.5	09/08/21 12:13	09/08/21 13:42	108-86-1	
Bromochloromethane	ND	ug/kg	82.6	24.5	12.5	09/08/21 12:13	09/08/21 13:42	74-97-5	
Bromodichloromethane	ND	ug/kg	82.6	31.9	12.5	09/08/21 12:13	09/08/21 13:42	75-27-4	
Bromoform	ND	ug/kg	82.6	29.1	12.5	09/08/21 12:13	09/08/21 13:42	75-25-2	
Bromomethane	ND	ug/kg	165	131	12.5	09/08/21 12:13	09/08/21 13:42	74-83-9	
2-Butanone (MEK)	ND	ug/kg	1650	397	12.5	09/08/21 12:13	09/08/21 13:42	78-93-3	
n-Butylbenzene	**3920**	ug/kg	82.6	39.0	12.5	09/08/21 12:13	09/08/21 13:42	104-51-8	
sec-Butylbenzene	ND	ug/kg	82.6	36.4	12.5	09/08/21 12:13	09/08/21 13:42	135-98-8	
tert-Butylbenzene	ND	ug/kg	82.6	29.4	12.5	09/08/21 12:13	09/08/21 13:42	98-06-6	
Carbon tetrachloride	ND	ug/kg	82.6	30.9	12.5	09/08/21 12:13	09/08/21 13:42	56-23-5	
Chlorobenzene	**98.7**	ug/kg	82.6	15.9	12.5	09/08/21 12:13	09/08/21 13:42	108-90-7	
Chloroethane	ND	ug/kg	165	63.8	12.5	09/08/21 12:13	09/08/21 13:42	75-00-3	
Chloroform	ND	ug/kg	82.6	50.2	12.5	09/08/21 12:13	09/08/21 13:42	67-66-3	
Chloromethane	ND	ug/kg	165	69.4	12.5	09/08/21 12:13	09/08/21 13:42	74-87-3	
2-Chlorotoluene	ND	ug/kg	82.6	29.2	12.5	09/08/21 12:13	09/08/21 13:42	95-49-8	
4-Chlorotoluene	ND	ug/kg	82.6	14.6	12.5	09/08/21 12:13	09/08/21 13:42	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	82.6	32.1	12.5	09/08/21 12:13	09/08/21 13:42	96-12-8	
Dibromochloromethane	ND	ug/kg	82.6	46.4	12.5	09/08/21 12:13	09/08/21 13:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	82.6	36.4	12.5	09/08/21 12:13	09/08/21 13:42	106-93-4	
Dibromomethane	ND	ug/kg	82.6	17.7	12.5	09/08/21 12:13	09/08/21 13:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	82.6	29.7	12.5	09/08/21 12:13	09/08/21 13:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	82.6	25.6	12.5	09/08/21 12:13	09/08/21 13:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	82.6	21.5	12.5	09/08/21 12:13	09/08/21 13:42	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	165	35.9	12.5	09/08/21 12:13	09/08/21 13:42	75-71-8	
1,1-Dichloroethane	ND	ug/kg	82.6	34.0	12.5	09/08/21 12:13	09/08/21 13:42	75-34-3	
1,2-Dichloroethane	ND	ug/kg	82.6	54.7	12.5	09/08/21 12:13	09/08/21 13:42	107-06-2	
1,1-Dichloroethene	ND	ug/kg	82.6	34.0	12.5	09/08/21 12:13	09/08/21 13:42	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	82.6	28.3	12.5	09/08/21 12:13	09/08/21 13:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	82.6	28.9	12.5	09/08/21 12:13	09/08/21 13:42	156-60-5	
1,2-Dichloropropane	ND	ug/kg	82.6	24.8	12.5	09/08/21 12:13	09/08/21 13:42	78-87-5	
1,3-Dichloropropane	ND	ug/kg	82.6	25.8	12.5	09/08/21 12:13	09/08/21 13:42	142-28-9	
2,2-Dichloropropane	ND	ug/kg	82.6	26.9	12.5	09/08/21 12:13	09/08/21 13:42	594-20-7	

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ANALYTICAL RESULTS

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92558727

Sample: RW-82 (32-34') **Lab ID: 92558727001** Collected: 08/30/21 16:46 Received: 08/31/21 17:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D/5035A/5030B Volatiles	Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B Pace Analytical Services - Charlotte								
1,1-Dichloropropene	ND	ug/kg	82.6	39.7	12.5	09/08/21 12:13	09/08/21 13:42	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	82.6	22.5	12.5	09/08/21 12:13	09/08/21 13:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	82.6	28.4	12.5	09/08/21 12:13	09/08/21 13:42	10061-02-6	
Diisopropyl ether	ND	ug/kg	82.6	22.3	12.5	09/08/21 12:13	09/08/21 13:42	108-20-3	
Ethylbenzene	**17400**	ug/kg	82.6	38.5	12.5	09/08/21 12:13	09/08/21 13:42	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	165	135	12.5	09/08/21 12:13	09/08/21 13:42	87-68-3	
2-Hexanone	ND	ug/kg	826	79.6	12.5	09/08/21 12:13	09/08/21 13:42	591-78-6	
Isopropylbenzene (Cumene)	**2420**	ug/kg	82.6	28.1	12.5	09/08/21 12:13	09/08/21 13:42	98-82-8	
p-Isopropyltoluene	**3090**	ug/kg	82.6	40.6	12.5	09/08/21 12:13	09/08/21 13:42	99-87-6	
Methylene Chloride	ND	ug/kg	330	226	12.5	09/08/21 12:13	09/08/21 13:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	**2170**	ug/kg	826	79.6	12.5	09/08/21 12:13	09/08/21 13:42	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	82.6	30.9	12.5	09/08/21 12:13	09/08/21 13:42	1634-04-4	
Naphthalene	**9910**	ug/kg	82.6	43.5	12.5	09/08/21 12:13	09/08/21 13:42	91-20-3	
n-Propylbenzene	**10500**	ug/kg	82.6	29.4	12.5	09/08/21 12:13	09/08/21 13:42	103-65-1	
Styrene	ND	ug/kg	82.6	21.8	12.5	09/08/21 12:13	09/08/21 13:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	82.6	31.7	12.5	09/08/21 12:13	09/08/21 13:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	82.6	21.8	12.5	09/08/21 12:13	09/08/21 13:42	79-34-5	
Tetrachloroethene	ND	ug/kg	82.6	26.1	12.5	09/08/21 12:13	09/08/21 13:42	127-18-4	
Toluene	**30300**	ug/kg	82.6	23.5	12.5	09/08/21 12:13	09/08/21 13:42	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	82.6	66.8	12.5	09/08/21 12:13	09/08/21 13:42	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	82.6	69.4	12.5	09/08/21 12:13	09/08/21 13:42	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	82.6	43.0	12.5	09/08/21 12:13	09/08/21 13:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	82.6	27.4	12.5	09/08/21 12:13	09/08/21 13:42	79-00-5	
Trichloroethene	ND	ug/kg	82.6	21.3	12.5	09/08/21 12:13	09/08/21 13:42	79-01-6	
Trichlorofluoromethane	ND	ug/kg	82.6	45.4	12.5	09/08/21 12:13	09/08/21 13:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	82.6	41.8	12.5	09/08/21 12:13	09/08/21 13:42	96-18-4	
1,2,4-Trimethylbenzene	**65900**	ug/kg	82.6	22.6	12.5	09/08/21 12:13	09/08/21 13:42	95-63-6	M1
1,3,5-Trimethylbenzene	**19200**	ug/kg	82.6	27.8	12.5	09/08/21 12:13	09/08/21 13:42	108-67-8	
Vinyl acetate	ND	ug/kg	826	60.1	12.5	09/08/21 12:13	09/08/21 13:42	108-05-4	
Vinyl chloride	ND	ug/kg	165	42.0	12.5	09/08/21 12:13	09/08/21 13:42	75-01-4	
Xylene (Total)	**107000**	ug/kg	165	47.1	12.5	09/08/21 12:13	09/08/21 13:42	1330-20-7	
m&p-Xylene	**73500**	ug/kg	165	56.5	12.5	09/08/21 12:13	09/08/21 13:42	179601-23-1	
o-Xylene	**33200**	ug/kg	82.6	36.5	12.5	09/08/21 12:13	09/08/21 13:42	95-47-6	
Surrogates									
Toluene-d8 (S)	95	%	70-130		12.5	09/08/21 12:13	09/08/21 13:42	2037-26-5	
4-Bromofluorobenzene (S)	97	%	69-134		12.5	09/08/21 12:13	09/08/21 13:42	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130		12.5	09/08/21 12:13	09/08/21 13:42	17060-07-0	
Percent Moisture	Analytical Method: SW-846 Pace Analytical Services - Charlotte								
Percent Moisture	**12.3**	%	0.10	0.10	1		08/31/21 17:49		N2

REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92558727

Sample: RW-82 (42-44') **Lab ID: 92558727002** Collected: 08/31/21 10:55 Received: 08/31/21 17:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VPH NC Soil	Analytical Method: MADEP VPH Preparation Method: MADEP VPH Pace Analytical Services - Charlotte								
Total VPH (C5-C12)	ND	mg/kg	3.6	3.6	1	09/03/21 18:55	09/04/21 07:16		N2
Aliphatic (C05-C08)	ND	mg/kg	3.6	3.6	1	09/03/21 18:55	09/04/21 07:16		N2
Aliphatic(C09-C12) Adjusted	ND	mg/kg	3.6	3.6	1	09/03/21 18:55	09/04/21 07:16		N2
Aromatic (C09-C10)	ND	mg/kg	3.6	3.6	1	09/03/21 18:55	09/04/21 07:16		N2
Surrogates									
4-Bromofluorobenzene (FID) (S)	96	%	70-130		1	09/03/21 18:55	09/04/21 07:16	460-00-4	
4-Bromofluorobenzene (PID) (S)	100	%	70-130		1	09/03/21 18:55	09/04/21 07:16	460-00-4	
8260D/5035A/5030B Volatiles	Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B Pace Analytical Services - Charlotte								
Acetone	**148**	ug/kg	133	42.6	1	09/03/21 15:21	09/03/21 22:25	67-64-1	
Benzene	**29.2**	ug/kg	6.6	2.6	1	09/03/21 15:21	09/03/21 22:25	71-43-2	
Bromobenzene	ND	ug/kg	6.6	2.2	1	09/03/21 15:21	09/03/21 22:25	108-86-1	
Bromochloromethane	ND	ug/kg	6.6	2.0	1	09/03/21 15:21	09/03/21 22:25	74-97-5	
Bromodichloromethane	ND	ug/kg	6.6	2.6	1	09/03/21 15:21	09/03/21 22:25	75-27-4	
Bromoform	ND	ug/kg	6.6	2.3	1	09/03/21 15:21	09/03/21 22:25	75-25-2	
Bromomethane	ND	ug/kg	13.3	10.5	1	09/03/21 15:21	09/03/21 22:25	74-83-9	
2-Butanone (MEK)	**87.1J**	ug/kg	133	31.8	1	09/03/21 15:21	09/03/21 22:25	78-93-3	
n-Butylbenzene	ND	ug/kg	6.6	3.1	1	09/03/21 15:21	09/03/21 22:25	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.6	2.9	1	09/03/21 15:21	09/03/21 22:25	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.6	2.4	1	09/03/21 15:21	09/03/21 22:25	98-06-6	
Carbon tetrachloride	ND	ug/kg	6.6	2.5	1	09/03/21 15:21	09/03/21 22:25	56-23-5	
Chlorobenzene	ND	ug/kg	6.6	1.3	1	09/03/21 15:21	09/03/21 22:25	108-90-7	
Chloroethane	ND	ug/kg	13.3	5.1	1	09/03/21 15:21	09/03/21 22:25	75-00-3	
Chloroform	ND	ug/kg	6.6	4.0	1	09/03/21 15:21	09/03/21 22:25	67-66-3	
Chloromethane	ND	ug/kg	13.3	5.6	1	09/03/21 15:21	09/03/21 22:25	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.6	2.3	1	09/03/21 15:21	09/03/21 22:25	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.6	1.2	1	09/03/21 15:21	09/03/21 22:25	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.6	2.6	1	09/03/21 15:21	09/03/21 22:25	96-12-8	
Dibromochloromethane	ND	ug/kg	6.6	3.7	1	09/03/21 15:21	09/03/21 22:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.6	2.9	1	09/03/21 15:21	09/03/21 22:25	106-93-4	
Dibromomethane	ND	ug/kg	6.6	1.4	1	09/03/21 15:21	09/03/21 22:25	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.6	2.4	1	09/03/21 15:21	09/03/21 22:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.6	2.1	1	09/03/21 15:21	09/03/21 22:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.6	1.7	1	09/03/21 15:21	09/03/21 22:25	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	13.3	2.9	1	09/03/21 15:21	09/03/21 22:25	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.6	2.7	1	09/03/21 15:21	09/03/21 22:25	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.6	4.4	1	09/03/21 15:21	09/03/21 22:25	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.6	2.7	1	09/03/21 15:21	09/03/21 22:25	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.6	2.3	1	09/03/21 15:21	09/03/21 22:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.6	2.3	1	09/03/21 15:21	09/03/21 22:25	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.6	2.0	1	09/03/21 15:21	09/03/21 22:25	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.6	2.1	1	09/03/21 15:21	09/03/21 22:25	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.6	2.2	1	09/03/21 15:21	09/03/21 22:25	594-20-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92558727

Sample: RW-82 (42-44') **Lab ID: 92558727002** Collected: 08/31/21 10:55 Received: 08/31/21 17:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D/5035A/5030B Volatiles	Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B Pace Analytical Services - Charlotte								
1,1-Dichloropropene	ND	ug/kg	6.6	3.2	1	09/03/21 15:21	09/03/21 22:25	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.6	1.8	1	09/03/21 15:21	09/03/21 22:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.6	2.3	1	09/03/21 15:21	09/03/21 22:25	10061-02-6	
Diisopropyl ether	**44.3**	ug/kg	6.6	1.8	1	09/03/21 15:21	09/03/21 22:25	108-20-3	
Ethylbenzene	**5.1J**	ug/kg	6.6	3.1	1	09/03/21 15:21	09/03/21 22:25	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	13.3	10.8	1	09/03/21 15:21	09/03/21 22:25	87-68-3	
2-Hexanone	ND	ug/kg	66.3	6.4	1	09/03/21 15:21	09/03/21 22:25	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.6	2.3	1	09/03/21 15:21	09/03/21 22:25	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.6	3.3	1	09/03/21 15:21	09/03/21 22:25	99-87-6	
Methylene Chloride	ND	ug/kg	26.5	18.2	1	09/03/21 15:21	09/03/21 22:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	66.3	6.4	1	09/03/21 15:21	09/03/21 22:25	108-10-1	
Methyl-tert-butyl ether	**34.9**	ug/kg	6.6	2.5	1	09/03/21 15:21	09/03/21 22:25	1634-04-4	
Naphthalene	ND	ug/kg	6.6	3.5	1	09/03/21 15:21	09/03/21 22:25	91-20-3	
n-Propylbenzene	ND	ug/kg	6.6	2.4	1	09/03/21 15:21	09/03/21 22:25	103-65-1	
Styrene	ND	ug/kg	6.6	1.7	1	09/03/21 15:21	09/03/21 22:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.6	2.5	1	09/03/21 15:21	09/03/21 22:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.6	1.7	1	09/03/21 15:21	09/03/21 22:25	79-34-5	
Tetrachloroethene	ND	ug/kg	6.6	2.1	1	09/03/21 15:21	09/03/21 22:25	127-18-4	
Toluene	**33.3**	ug/kg	6.6	1.9	1	09/03/21 15:21	09/03/21 22:25	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.6	5.4	1	09/03/21 15:21	09/03/21 22:25	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.6	5.6	1	09/03/21 15:21	09/03/21 22:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.6	3.4	1	09/03/21 15:21	09/03/21 22:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.6	2.2	1	09/03/21 15:21	09/03/21 22:25	79-00-5	
Trichloroethene	ND	ug/kg	6.6	1.7	1	09/03/21 15:21	09/03/21 22:25	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.6	3.6	1	09/03/21 15:21	09/03/21 22:25	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.6	3.4	1	09/03/21 15:21	09/03/21 22:25	96-18-4	
1,2,4-Trimethylbenzene	**4.5J**	ug/kg	6.6	1.8	1	09/03/21 15:21	09/03/21 22:25	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.6	2.2	1	09/03/21 15:21	09/03/21 22:25	108-67-8	
Vinyl acetate	ND	ug/kg	66.3	4.8	1	09/03/21 15:21	09/03/21 22:25	108-05-4	
Vinyl chloride	ND	ug/kg	13.3	3.4	1	09/03/21 15:21	09/03/21 22:25	75-01-4	
Xylene (Total)	**19.8**	ug/kg	13.3	3.8	1	09/03/21 15:21	09/03/21 22:25	1330-20-7	
m&p-Xylene	**12.1J**	ug/kg	13.3	4.5	1	09/03/21 15:21	09/03/21 22:25	179601-23-1	
o-Xylene	**7.6**	ug/kg	6.6	2.9	1	09/03/21 15:21	09/03/21 22:25	95-47-6	
Surrogates									
Toluene-d8 (S)	100	%	70-130		1	09/03/21 15:21	09/03/21 22:25	2037-26-5	
4-Bromofluorobenzene (S)	96	%	69-134		1	09/03/21 15:21	09/03/21 22:25	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1	09/03/21 15:21	09/03/21 22:25	17060-07-0	
Percent Moisture	Analytical Method: SW-846 Pace Analytical Services - Charlotte								
Percent Moisture	**15.3**	%	0.10	0.10	1		08/31/21 17:49		N2

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(704)875-9092

QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92558727

QC Batch: 645229
QC Batch Method: MADEP VPH
Analysis Method: MADEP VPH
Analysis Description: VPH NC Soil
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92558727001, 92558727002

METHOD BLANK: 3384912 Matrix: Solid
Associated Lab Samples: 92558727001, 92558727002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (C05-C08)	mg/kg	ND	2.5	2.5	09/03/21 19:22	N2
Aromatic (C09-C10)	mg/kg	ND	2.5	2.5	09/03/21 19:22	N2
4-Bromofluorobenzene (FID) (S)	%	102	70-130		09/03/21 19:22	
4-Bromofluorobenzene (PID) (S)	%	106	70-130		09/03/21 19:22	

LABORATORY CONTROL SAMPLE & LCSD: 3384913 3384914

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	mg/kg	15	13.5	14.4	90	96	70-130	6	25	N2
Aromatic (C09-C10)	mg/kg	5	4.8	5.5	96	110	70-130	14	25	N2
4-Bromofluorobenzene (FID) (S)	%				98	98	70-130			
4-Bromofluorobenzene (PID) (S)	%				99	99	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92558727

QC Batch: 645181
QC Batch Method: EPA 5035A/5030B
Analysis Method: EPA 8260D
Analysis Description: 8260D 5035A 5030B
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92558727002

METHOD BLANK: 3384719 Matrix: Solid
Associated Lab Samples: 92558727002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	1.9	09/03/21 17:11	
1,1,1-Trichloroethane	ug/kg	ND	5.0	2.6	09/03/21 17:11	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	1.3	09/03/21 17:11	
1,1,2-Trichloroethane	ug/kg	ND	5.0	1.7	09/03/21 17:11	
1,1-Dichloroethane	ug/kg	ND	5.0	2.1	09/03/21 17:11	
1,1-Dichloroethene	ug/kg	ND	5.0	2.1	09/03/21 17:11	
1,1-Dichloropropene	ug/kg	ND	5.0	2.4	09/03/21 17:11	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	4.0	09/03/21 17:11	
1,2,3-Trichloropropane	ug/kg	ND	5.0	2.5	09/03/21 17:11	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	4.2	09/03/21 17:11	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	1.4	09/03/21 17:11	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	1.9	09/03/21 17:11	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	2.2	09/03/21 17:11	
1,2-Dichlorobenzene	ug/kg	ND	5.0	1.8	09/03/21 17:11	
1,2-Dichloroethane	ug/kg	ND	5.0	3.3	09/03/21 17:11	
1,2-Dichloropropane	ug/kg	ND	5.0	1.5	09/03/21 17:11	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	1.7	09/03/21 17:11	
1,3-Dichlorobenzene	ug/kg	ND	5.0	1.6	09/03/21 17:11	
1,3-Dichloropropane	ug/kg	ND	5.0	1.6	09/03/21 17:11	
1,4-Dichlorobenzene	ug/kg	ND	5.0	1.3	09/03/21 17:11	
2,2-Dichloropropane	ug/kg	ND	5.0	1.6	09/03/21 17:11	
2-Butanone (MEK)	ug/kg	ND	100	24.0	09/03/21 17:11	
2-Chlorotoluene	ug/kg	ND	5.0	1.8	09/03/21 17:11	
2-Hexanone	ug/kg	ND	50.0	4.8	09/03/21 17:11	
4-Chlorotoluene	ug/kg	ND	5.0	0.88	09/03/21 17:11	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	4.8	09/03/21 17:11	
Acetone	ug/kg	ND	100	32.1	09/03/21 17:11	
Benzene	ug/kg	ND	5.0	2.0	09/03/21 17:11	
Bromobenzene	ug/kg	ND	5.0	1.6	09/03/21 17:11	
Bromochloromethane	ug/kg	ND	5.0	1.5	09/03/21 17:11	
Bromodichloromethane	ug/kg	ND	5.0	1.9	09/03/21 17:11	
Bromoform	ug/kg	ND	5.0	1.8	09/03/21 17:11	
Bromomethane	ug/kg	ND	10.0	7.9	09/03/21 17:11	
Carbon tetrachloride	ug/kg	ND	5.0	1.9	09/03/21 17:11	
Chlorobenzene	ug/kg	ND	5.0	0.96	09/03/21 17:11	
Chloroethane	ug/kg	ND	10.0	3.9	09/03/21 17:11	
Chloroform	ug/kg	ND	5.0	3.0	09/03/21 17:11	
Chloromethane	ug/kg	ND	10.0	4.2	09/03/21 17:11	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	1.7	09/03/21 17:11	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	1.4	09/03/21 17:11	

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QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92558727

METHOD BLANK: 3384719 Matrix: Solid
Associated Lab Samples: 92558727002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dibromochloromethane	ug/kg	ND	5.0	2.8	09/03/21 17:11	
Dibromomethane	ug/kg	ND	5.0	1.1	09/03/21 17:11	
Dichlorodifluoromethane	ug/kg	ND	10.0	2.2	09/03/21 17:11	
Diisopropyl ether	ug/kg	ND	5.0	1.4	09/03/21 17:11	
Ethylbenzene	ug/kg	ND	5.0	2.3	09/03/21 17:11	
Hexachloro-1,3-butadiene	ug/kg	ND	10.0	8.2	09/03/21 17:11	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	1.7	09/03/21 17:11	
m&p-Xylene	ug/kg	ND	10.0	3.4	09/03/21 17:11	
Methyl-tert-butyl ether	ug/kg	ND	5.0	1.9	09/03/21 17:11	
Methylene Chloride	ug/kg	ND	20.0	13.7	09/03/21 17:11	
n-Butylbenzene	ug/kg	ND	5.0	2.4	09/03/21 17:11	
n-Propylbenzene	ug/kg	ND	5.0	1.8	09/03/21 17:11	
Naphthalene	ug/kg	ND	5.0	2.6	09/03/21 17:11	
o-Xylene	ug/kg	ND	5.0	2.2	09/03/21 17:11	
p-Isopropyltoluene	ug/kg	ND	5.0	2.5	09/03/21 17:11	
sec-Butylbenzene	ug/kg	ND	5.0	2.2	09/03/21 17:11	
Styrene	ug/kg	ND	5.0	1.3	09/03/21 17:11	
tert-Butylbenzene	ug/kg	ND	5.0	1.8	09/03/21 17:11	
Tetrachloroethene	ug/kg	ND	5.0	1.6	09/03/21 17:11	
Toluene	ug/kg	ND	5.0	1.4	09/03/21 17:11	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	1.8	09/03/21 17:11	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	1.7	09/03/21 17:11	
Trichloroethene	ug/kg	ND	5.0	1.3	09/03/21 17:11	
Trichlorofluoromethane	ug/kg	ND	5.0	2.8	09/03/21 17:11	
Vinyl acetate	ug/kg	ND	50.0	3.6	09/03/21 17:11	
Vinyl chloride	ug/kg	ND	10.0	2.5	09/03/21 17:11	
Xylene (Total)	ug/kg	ND	10.0	2.8	09/03/21 17:11	
1,2-Dichloroethane-d4 (S)	%	105	70-130		09/03/21 17:11	
4-Bromofluorobenzene (S)	%	99	69-134		09/03/21 17:11	
Toluene-d8 (S)	%	99	70-130		09/03/21 17:11	

LABORATORY CONTROL SAMPLE: 3384720

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	1250	1180	95	70-130	
1,1,1-Trichloroethane	ug/kg	1250	1250	100	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	1250	1090	87	70-130	
1,1,2-Trichloroethane	ug/kg	1250	1080	87	70-130	
1,1-Dichloroethane	ug/kg	1250	1230	99	70-130	
1,1-Dichloroethene	ug/kg	1250	1270	101	70-130	
1,1-Dichloropropene	ug/kg	1250	1230	99	70-130	
1,2,3-Trichlorobenzene	ug/kg	1250	1160	93	65-130	
1,2,3-Trichloropropane	ug/kg	1250	1070	86	70-130	
1,2,4-Trichlorobenzene	ug/kg	1250	1220	97	68-130	

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QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92558727

LABORATORY CONTROL SAMPLE: 3384720

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1250	1180	95	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	1250	1060	85	70-130	
1,2-Dibromoethane (EDB)	ug/kg	1250	1140	91	70-130	
1,2-Dichlorobenzene	ug/kg	1250	1230	98	70-130	
1,2-Dichloroethane	ug/kg	1250	1180	94	63-130	
1,2-Dichloropropane	ug/kg	1250	1180	94	70-130	
1,3,5-Trimethylbenzene	ug/kg	1250	1170	94	70-130	
1,3-Dichlorobenzene	ug/kg	1250	1240	99	70-130	
1,3-Dichloropropane	ug/kg	1250	1150	92	70-130	
1,4-Dichlorobenzene	ug/kg	1250	1220	98	70-130	
2,2-Dichloropropane	ug/kg	1250	1230	98	66-130	
2-Butanone (MEK)	ug/kg	2500	2060	83	70-130	
2-Chlorotoluene	ug/kg	1250	1270	101	70-130	
2-Hexanone	ug/kg	2500	2010	80	70-130	
4-Chlorotoluene	ug/kg	1250	1220	98	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	2500	2140	86	70-130	
Acetone	ug/kg	2500	2110	85	69-130	
Benzene	ug/kg	1250	1160	93	70-130	
Bromobenzene	ug/kg	1250	1230	98	70-130	
Bromochloromethane	ug/kg	1250	1220	97	70-130	
Bromodichloromethane	ug/kg	1250	1140	91	69-130	
Bromoform	ug/kg	1250	1220	98	70-130	
Bromomethane	ug/kg	1250	1360	109	52-130	
Carbon tetrachloride	ug/kg	1250	1270	101	70-130	
Chlorobenzene	ug/kg	1250	1230	99	70-130	
Chloroethane	ug/kg	1250	1160	93	65-130	
Chloroform	ug/kg	1250	1240	99	70-130	
Chloromethane	ug/kg	1250	1210	97	55-130	
cis-1,2-Dichloroethene	ug/kg	1250	1210	96	70-130	
cis-1,3-Dichloropropene	ug/kg	1250	1190	95	70-130	
Dibromochloromethane	ug/kg	1250	1310	105	70-130	
Dibromomethane	ug/kg	1250	1180	95	70-130	
Dichlorodifluoromethane	ug/kg	1250	1700	136	45-156	
Diisopropyl ether	ug/kg	1250	1180	95	70-130	
Ethylbenzene	ug/kg	1250	1160	93	70-130	
Hexachloro-1,3-butadiene	ug/kg	1250	1240	99	66-130	
Isopropylbenzene (Cumene)	ug/kg	1250	1260	101	70-130	
m&p-Xylene	ug/kg	2500	2450	98	70-130	
Methyl-tert-butyl ether	ug/kg	1250	1110	89	70-130	
Methylene Chloride	ug/kg	1250	1160	93	65-130	
n-Butylbenzene	ug/kg	1250	1270	102	67-130	
n-Propylbenzene	ug/kg	1250	1240	99	70-130	
Naphthalene	ug/kg	1250	1140	91	70-130	
o-Xylene	ug/kg	1250	1190	95	70-130	
p-Isopropyltoluene	ug/kg	1250	1230	99	67-130	
sec-Butylbenzene	ug/kg	1250	1250	100	69-130	
Styrene	ug/kg	1250	1230	99	70-130	

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QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92558727

LABORATORY CONTROL SAMPLE: 3384720

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/kg	1250	1250	100	67-130	
Tetrachloroethene	ug/kg	1250	1210	97	70-130	
Toluene	ug/kg	1250	1190	95	70-130	
trans-1,2-Dichloroethene	ug/kg	1250	1200	96	70-130	
trans-1,3-Dichloropropene	ug/kg	1250	1140	92	68-130	
Trichloroethene	ug/kg	1250	1190	95	70-130	
Trichlorofluoromethane	ug/kg	1250	1280	102	70-130	
Vinyl acetate	ug/kg	2500	2670	107	70-130	
Vinyl chloride	ug/kg	1250	1300	104	61-130	
Xylene (Total)	ug/kg	3750	3640	97	70-130	
1,2-Dichloroethane-d4 (S)	%			93	70-130	
4-Bromofluorobenzene (S)	%			98	69-134	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 3385987

Parameter	Units	92558699002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	863	882	102	70-131	
1,1,1-Trichloroethane	ug/kg	ND	863	991	115	65-133	
1,1,2,2-Tetrachloroethane	ug/kg	ND	863	801	93	66-130	
1,1,2-Trichloroethane	ug/kg	ND	863	820	95	66-133	
1,1-Dichloroethane	ug/kg	ND	863	948	110	65-130	
1,1-Dichloroethene	ug/kg	ND	863	980	113	10-158	
1,1-Dichloropropene	ug/kg	ND	863	1040	121	68-133	
1,2,3-Trichlorobenzene	ug/kg	ND	863	902	105	27-138	
1,2,3-Trichloropropane	ug/kg	ND	863	791	92	67-130	
1,2,4-Trichlorobenzene	ug/kg	ND	863	934	108	51-134	
1,2,4-Trimethylbenzene	ug/kg	ND	863	924	107	63-136	
1,2-Dibromo-3-chloropropane	ug/kg	ND	863	869	101	32-130	
1,2-Dibromoethane (EDB)	ug/kg	ND	863	863	100	70-130	
1,2-Dichlorobenzene	ug/kg	ND	863	903	105	69-130	
1,2-Dichloroethane	ug/kg	ND	863	880	102	59-130	
1,2-Dichloropropane	ug/kg	ND	863	887	103	70-130	
1,3,5-Trimethylbenzene	ug/kg	ND	863	908	105	65-137	
1,3-Dichlorobenzene	ug/kg	ND	863	907	105	70-130	
1,3-Dichloropropane	ug/kg	ND	863	864	100	70-130	
1,4-Dichlorobenzene	ug/kg	ND	863	959	111	68-130	
2,2-Dichloropropane	ug/kg	ND	863	948	110	32-130	
2-Butanone (MEK)	ug/kg	ND	1730	1630	94	10-136	v3
2-Chlorotoluene	ug/kg	ND	863	967	112	69-141	
2-Hexanone	ug/kg	ND	1730	1530	89	10-144	
4-Chlorotoluene	ug/kg	ND	863	943	109	70-132	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	1730	1560	91	25-143	
Acetone	ug/kg	ND	1730	1400	81	10-130	v3
Benzene	ug/kg	23.5	863	940	106	67-130	

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QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92558727

MATRIX SPIKE SAMPLE: 3385987

Parameter	Units	92558699002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromobenzene	ug/kg	ND	863	925	107	70-130	
Bromochloromethane	ug/kg	ND	863	768	89	69-134	
Bromodichloromethane	ug/kg	ND	863	834	97	64-130	
Bromoform	ug/kg	ND	863	857	99	62-130	
Bromomethane	ug/kg	ND	863	1090	126	20-176	
Carbon tetrachloride	ug/kg	ND	863	1020	118	65-140	
Chlorobenzene	ug/kg	ND	863	925	107	70-130	
Chloroethane	ug/kg	ND	863	691	80	10-130	
Chloroform	ug/kg	ND	863	969	112	63-130	
Chloromethane	ug/kg	ND	863	927	107	58-130	
cis-1,2-Dichloroethene	ug/kg	ND	863	942	109	66-130	
cis-1,3-Dichloropropene	ug/kg	ND	863	896	104	67-130	
Dibromochloromethane	ug/kg	ND	863	923	107	67-130	
Dibromomethane	ug/kg	ND	863	867	100	63-131	
Dichlorodifluoromethane	ug/kg	ND	863	1270	147	44-180	v1
Diisopropyl ether	ug/kg	ND	863	871	101	63-130	
Ethylbenzene	ug/kg	5.8J	863	882	101	66-130	
Hexachloro-1,3-butadiene	ug/kg	ND	863	969	112	64-150	
Isopropylbenzene (Cumene)	ug/kg	ND	863	929	108	69-135	
m&p-Xylene	ug/kg	ND	1730	1830	106	60-133	
Methyl-tert-butyl ether	ug/kg	ND	863	884	102	65-130	
Methylene Chloride	ug/kg	ND	863	810	94	61-130	
n-Butylbenzene	ug/kg	ND	863	999	116	65-140	
n-Propylbenzene	ug/kg	ND	863	992	115	67-140	
Naphthalene	ug/kg	ND	863	914	106	15-145	
o-Xylene	ug/kg	ND	863	871	101	66-133	
p-Isopropyltoluene	ug/kg	ND	863	964	112	56-147	
sec-Butylbenzene	ug/kg	ND	863	982	114	65-139	
Styrene	ug/kg	ND	863	886	103	70-132	
tert-Butylbenzene	ug/kg	ND	863	912	106	62-135	
Tetrachloroethene	ug/kg	ND	863	927	107	70-135	
Toluene	ug/kg	12.7	863	938	107	67-130	
trans-1,2-Dichloroethene	ug/kg	ND	863	938	109	69-130	
trans-1,3-Dichloropropene	ug/kg	ND	863	863	100	62-130	
Trichloroethene	ug/kg	ND	863	952	110	70-135	
Trichlorofluoromethane	ug/kg	ND	863	717	83	10-130	
Vinyl acetate	ug/kg	ND	1730	1900	110	53-130	
Vinyl chloride	ug/kg	ND	863	1010	117	61-148	
Xylene (Total)	ug/kg	ND	2590	2700	104	63-132	
1,2-Dichloroethane-d4 (S)	%				102	70-130	
4-Bromofluorobenzene (S)	%				93	69-134	
Toluene-d8 (S)	%				100	70-130	

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QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92558727

SAMPLE DUPLICATE: 3385988

Parameter	Units	92558699003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,1-Trichloroethane	ug/kg	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,2-Trichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethene	ug/kg	ND	ND		30	
1,1-Dichloropropene	ug/kg	ND	ND		30	
1,2,3-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,3-Trichloropropane	ug/kg	ND	ND		30	
1,2,4-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,4-Trimethylbenzene	ug/kg	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/kg	ND	ND		30	
1,2-Dichlorobenzene	ug/kg	ND	ND		30	
1,2-Dichloroethane	ug/kg	ND	ND		30	
1,2-Dichloropropane	ug/kg	ND	ND		30	
1,3,5-Trimethylbenzene	ug/kg	ND	ND		30	
1,3-Dichlorobenzene	ug/kg	ND	ND		30	
1,3-Dichloropropane	ug/kg	ND	ND		30	
1,4-Dichlorobenzene	ug/kg	ND	ND		30	
2,2-Dichloropropane	ug/kg	ND	ND		30	
2-Butanone (MEK)	ug/kg	ND	ND		30	v2
2-Chlorotoluene	ug/kg	ND	ND		30	
2-Hexanone	ug/kg	ND	ND		30	
4-Chlorotoluene	ug/kg	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND		30	
Acetone	ug/kg	ND	ND		30	v2
Benzene	ug/kg	ND	ND		30	
Bromobenzene	ug/kg	ND	ND		30	
Bromochloromethane	ug/kg	ND	ND		30	
Bromodichloromethane	ug/kg	ND	ND		30	
Bromoform	ug/kg	ND	ND		30	
Bromomethane	ug/kg	ND	ND		30	
Carbon tetrachloride	ug/kg	ND	ND		30	
Chlorobenzene	ug/kg	ND	ND		30	
Chloroethane	ug/kg	ND	ND		30	
Chloroform	ug/kg	ND	ND		30	
Chloromethane	ug/kg	ND	ND		30	
cis-1,2-Dichloroethene	ug/kg	ND	ND		30	
cis-1,3-Dichloropropene	ug/kg	ND	ND		30	
Dibromochloromethane	ug/kg	ND	ND		30	
Dibromomethane	ug/kg	ND	ND		30	
Dichlorodifluoromethane	ug/kg	ND	ND		30	v1
Diisopropyl ether	ug/kg	ND	ND		30	
Ethylbenzene	ug/kg	ND	ND		30	
Hexachloro-1,3-butadiene	ug/kg	ND	ND		30	
Isopropylbenzene (Cumene)	ug/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92558727

SAMPLE DUPLICATE: 3385988

Parameter	Units	92558699003 Result	Dup Result	RPD	Max RPD	Qualifiers
m&p-Xylene	ug/kg	ND	ND		30	
Methyl-tert-butyl ether	ug/kg	ND	5.4J		30	
Methylene Chloride	ug/kg	ND	ND		30	
n-Butylbenzene	ug/kg	ND	ND		30	
n-Propylbenzene	ug/kg	ND	ND		30	
Naphthalene	ug/kg	ND	ND		30	
o-Xylene	ug/kg	ND	ND		30	
p-Isopropyltoluene	ug/kg	ND	ND		30	
sec-Butylbenzene	ug/kg	ND	ND		30	
Styrene	ug/kg	ND	ND		30	
tert-Butylbenzene	ug/kg	ND	ND		30	
Tetrachloroethene	ug/kg	ND	ND		30	
Toluene	ug/kg	ND	4.3J		30	
trans-1,2-Dichloroethene	ug/kg	ND	ND		30	
trans-1,3-Dichloropropene	ug/kg	ND	ND		30	
Trichloroethene	ug/kg	ND	ND		30	
Trichlorofluoromethane	ug/kg	ND	ND		30	
Vinyl acetate	ug/kg	ND	ND		30	
Vinyl chloride	ug/kg	ND	ND		30	
Xylene (Total)	ug/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	102	99			
4-Bromofluorobenzene (S)	%	97	98			
Toluene-d8 (S)	%	102	100			

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QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92558727

QC Batch: 645781
QC Batch Method: EPA 5035A/5030B
Analysis Method: EPA 8260D
Analysis Description: 8260D 5035A 5030B
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92558727001

METHOD BLANK: 3387295 Matrix: Solid
Associated Lab Samples: 92558727001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	1.9	09/08/21 11:52	
1,1,1-Trichloroethane	ug/kg	ND	5.0	2.6	09/08/21 11:52	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	1.3	09/08/21 11:52	
1,1,2-Trichloroethane	ug/kg	ND	5.0	1.7	09/08/21 11:52	
1,1-Dichloroethane	ug/kg	ND	5.0	2.1	09/08/21 11:52	
1,1-Dichloroethene	ug/kg	ND	5.0	2.1	09/08/21 11:52	
1,1-Dichloropropene	ug/kg	ND	5.0	2.4	09/08/21 11:52	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	4.0	09/08/21 11:52	
1,2,3-Trichloropropane	ug/kg	ND	5.0	2.5	09/08/21 11:52	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	4.2	09/08/21 11:52	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	1.4	09/08/21 11:52	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	1.9	09/08/21 11:52	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	2.2	09/08/21 11:52	
1,2-Dichlorobenzene	ug/kg	ND	5.0	1.8	09/08/21 11:52	
1,2-Dichloroethane	ug/kg	ND	5.0	3.3	09/08/21 11:52	
1,2-Dichloropropane	ug/kg	ND	5.0	1.5	09/08/21 11:52	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	1.7	09/08/21 11:52	
1,3-Dichlorobenzene	ug/kg	ND	5.0	1.6	09/08/21 11:52	
1,3-Dichloropropane	ug/kg	ND	5.0	1.6	09/08/21 11:52	
1,4-Dichlorobenzene	ug/kg	ND	5.0	1.3	09/08/21 11:52	
2,2-Dichloropropane	ug/kg	ND	5.0	1.6	09/08/21 11:52	
2-Butanone (MEK)	ug/kg	ND	100	24.0	09/08/21 11:52	
2-Chlorotoluene	ug/kg	ND	5.0	1.8	09/08/21 11:52	
2-Hexanone	ug/kg	ND	50.0	4.8	09/08/21 11:52	
4-Chlorotoluene	ug/kg	ND	5.0	0.88	09/08/21 11:52	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	4.8	09/08/21 11:52	
Acetone	ug/kg	ND	100	32.1	09/08/21 11:52	
Benzene	ug/kg	ND	5.0	2.0	09/08/21 11:52	
Bromobenzene	ug/kg	ND	5.0	1.6	09/08/21 11:52	
Bromochloromethane	ug/kg	ND	5.0	1.5	09/08/21 11:52	
Bromodichloromethane	ug/kg	ND	5.0	1.9	09/08/21 11:52	
Bromoform	ug/kg	ND	5.0	1.8	09/08/21 11:52	
Bromomethane	ug/kg	ND	10.0	7.9	09/08/21 11:52	
Carbon tetrachloride	ug/kg	ND	5.0	1.9	09/08/21 11:52	
Chlorobenzene	ug/kg	ND	5.0	0.96	09/08/21 11:52	
Chloroethane	ug/kg	ND	10.0	3.9	09/08/21 11:52	
Chloroform	ug/kg	ND	5.0	3.0	09/08/21 11:52	
Chloromethane	ug/kg	ND	10.0	4.2	09/08/21 11:52	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	1.7	09/08/21 11:52	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	1.4	09/08/21 11:52	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92558727

METHOD BLANK: 3387295 Matrix: Solid
Associated Lab Samples: 92558727001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dibromochloromethane	ug/kg	ND	5.0	2.8	09/08/21 11:52	
Dibromomethane	ug/kg	ND	5.0	1.1	09/08/21 11:52	
Dichlorodifluoromethane	ug/kg	ND	10.0	2.2	09/08/21 11:52	
Diisopropyl ether	ug/kg	ND	5.0	1.4	09/08/21 11:52	
Ethylbenzene	ug/kg	ND	5.0	2.3	09/08/21 11:52	
Hexachloro-1,3-butadiene	ug/kg	ND	10.0	8.2	09/08/21 11:52	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	1.7	09/08/21 11:52	
m&p-Xylene	ug/kg	ND	10.0	3.4	09/08/21 11:52	
Methyl-tert-butyl ether	ug/kg	ND	5.0	1.9	09/08/21 11:52	
Methylene Chloride	ug/kg	ND	20.0	13.7	09/08/21 11:52	
n-Butylbenzene	ug/kg	ND	5.0	2.4	09/08/21 11:52	
n-Propylbenzene	ug/kg	ND	5.0	1.8	09/08/21 11:52	
Naphthalene	ug/kg	ND	5.0	2.6	09/08/21 11:52	
o-Xylene	ug/kg	ND	5.0	2.2	09/08/21 11:52	
p-Isopropyltoluene	ug/kg	ND	5.0	2.5	09/08/21 11:52	
sec-Butylbenzene	ug/kg	ND	5.0	2.2	09/08/21 11:52	
Styrene	ug/kg	ND	5.0	1.3	09/08/21 11:52	
tert-Butylbenzene	ug/kg	ND	5.0	1.8	09/08/21 11:52	
Tetrachloroethene	ug/kg	ND	5.0	1.6	09/08/21 11:52	
Toluene	ug/kg	ND	5.0	1.4	09/08/21 11:52	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	1.8	09/08/21 11:52	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	1.7	09/08/21 11:52	
Trichloroethene	ug/kg	ND	5.0	1.3	09/08/21 11:52	
Trichlorofluoromethane	ug/kg	ND	5.0	2.8	09/08/21 11:52	
Vinyl acetate	ug/kg	ND	50.0	3.6	09/08/21 11:52	
Vinyl chloride	ug/kg	ND	10.0	2.5	09/08/21 11:52	
Xylene (Total)	ug/kg	ND	10.0	2.8	09/08/21 11:52	
1,2-Dichloroethane-d4 (S)	%	102	70-130		09/08/21 11:52	
4-Bromofluorobenzene (S)	%	100	69-134		09/08/21 11:52	
Toluene-d8 (S)	%	98	70-130		09/08/21 11:52	

LABORATORY CONTROL SAMPLE: 3387296

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	1250	1270	101	70-130	
1,1,1-Trichloroethane	ug/kg	1250	1070	86	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	1250	1130	90	70-130	
1,1,2-Trichloroethane	ug/kg	1250	1100	88	70-130	
1,1-Dichloroethane	ug/kg	1250	1200	96	70-130	
1,1-Dichloroethene	ug/kg	1250	1270	102	70-130	
1,1-Dichloropropene	ug/kg	1250	1230	99	70-130	
1,2,3-Trichlorobenzene	ug/kg	1250	1310	105	65-130	
1,2,3-Trichloropropane	ug/kg	1250	1190	96	70-130	
1,2,4-Trichlorobenzene	ug/kg	1250	1290	103	68-130	

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QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92558727

LABORATORY CONTROL SAMPLE: 3387296

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1250	1160	93	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	1250	1230	98	70-130	
1,2-Dibromoethane (EDB)	ug/kg	1250	1220	98	70-130	
1,2-Dichlorobenzene	ug/kg	1250	1240	99	70-130	
1,2-Dichloroethane	ug/kg	1250	1220	98	63-130	
1,2-Dichloropropane	ug/kg	1250	1220	97	70-130	
1,3,5-Trimethylbenzene	ug/kg	1250	1180	94	70-130	
1,3-Dichlorobenzene	ug/kg	1250	1260	101	70-130	
1,3-Dichloropropane	ug/kg	1250	1220	97	70-130	
1,4-Dichlorobenzene	ug/kg	1250	1250	100	70-130	
2,2-Dichloropropane	ug/kg	1250	1270	101	66-130	
2-Butanone (MEK)	ug/kg	2500	2260	91	70-130	
2-Chlorotoluene	ug/kg	1250	1260	101	70-130	
2-Hexanone	ug/kg	2500	2200	88	70-130	
4-Chlorotoluene	ug/kg	1250	1220	98	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	2500	2220	89	70-130	
Acetone	ug/kg	2500	2110	84	69-130	
Benzene	ug/kg	1250	1190	95	70-130	
Bromobenzene	ug/kg	1250	1270	102	70-130	
Bromochloromethane	ug/kg	1250	1320	106	70-130	
Bromodichloromethane	ug/kg	1250	1070	85	69-130	
Bromoform	ug/kg	1250	1240	99	70-130	
Bromomethane	ug/kg	1250	1140	91	52-130	
Carbon tetrachloride	ug/kg	1250	1220	98	70-130	
Chlorobenzene	ug/kg	1250	1240	100	70-130	
Chloroethane	ug/kg	1250	1210	97	65-130	
Chloroform	ug/kg	1250	1250	100	70-130	
Chloromethane	ug/kg	1250	1140	91	55-130	
cis-1,2-Dichloroethene	ug/kg	1250	1180	94	70-130	
cis-1,3-Dichloropropene	ug/kg	1250	1240	99	70-130	
Dibromochloromethane	ug/kg	1250	1290	103	70-130	
Dibromomethane	ug/kg	1250	1340	107	70-130	
Dichlorodifluoromethane	ug/kg	1250	1540	123	45-156	
Diisopropyl ether	ug/kg	1250	1070	86	70-130	
Ethylbenzene	ug/kg	1250	1140	91	70-130	
Hexachloro-1,3-butadiene	ug/kg	1250	1390	111	66-130	
Isopropylbenzene (Cumene)	ug/kg	1250	1220	98	70-130	
m&p-Xylene	ug/kg	2500	2390	95	70-130	
Methyl-tert-butyl ether	ug/kg	1250	1100	88	70-130	
Methylene Chloride	ug/kg	1250	1100	88	65-130	
n-Butylbenzene	ug/kg	1250	1230	99	67-130	
n-Propylbenzene	ug/kg	1250	1220	98	70-130	
Naphthalene	ug/kg	1250	1210	96	70-130	
o-Xylene	ug/kg	1250	1220	97	70-130	
p-Isopropyltoluene	ug/kg	1250	1240	99	67-130	
sec-Butylbenzene	ug/kg	1250	1200	96	69-130	
Styrene	ug/kg	1250	1240	99	70-130	

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QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92558727

LABORATORY CONTROL SAMPLE: 3387296

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/kg	1250	1220	98	67-130	
Tetrachloroethene	ug/kg	1250	1310	105	70-130	
Toluene	ug/kg	1250	1220	98	70-130	
trans-1,2-Dichloroethene	ug/kg	1250	1220	98	70-130	
trans-1,3-Dichloropropene	ug/kg	1250	1230	98	68-130	
Trichloroethene	ug/kg	1250	1300	104	70-130	
Trichlorofluoromethane	ug/kg	1250	1270	102	70-130	
Vinyl acetate	ug/kg	2500	2440	98	70-130	
Vinyl chloride	ug/kg	1250	1200	96	61-130	
Xylene (Total)	ug/kg	3750	3600	96	70-130	
1,2-Dichloroethane-d4 (S)	%			92	70-130	
4-Bromofluorobenzene (S)	%			99	69-134	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3387297 3387298

Parameter	Units	92558727001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	8260	8260	8710	7900	105	96	70-131	10	30	
1,1,1-Trichloroethane	ug/kg	ND	8260	8260	10100	9090	122	110	65-133	10	30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	8260	8260	8050	7430	97	90	66-130	8	30	
1,1,2-Trichloroethane	ug/kg	ND	8260	8260	8880	8120	107	98	66-133	9	30	
1,1-Dichloroethane	ug/kg	ND	8260	8260	9690	8840	117	107	65-130	9	30	
1,1-Dichloroethene	ug/kg	ND	8260	8260	10400	9460	126	114	10-158	10	30	
1,1-Dichloropropene	ug/kg	ND	8260	8260	10000	9290	121	112	68-133	8	30	
1,2,3-Trichlorobenzene	ug/kg	ND	8260	8260	7980	8490	97	103	27-138	6	30	
1,2,3-Trichloropropane	ug/kg	ND	8260	8260	7930	7420	96	90	67-130	7	30	
1,2,4-Trichlorobenzene	ug/kg	ND	8260	8260	8140	8460	98	102	51-134	4	30	
1,2,4-Trimethylbenzene	ug/kg	65900	8260	8260	70200	70900	52	60	63-136	1	30	M1
1,2-Dibromo-3-chloropropane	ug/kg	ND	8260	8260	7700	7090	93	86	32-130	8	30	
1,2-Dibromoethane (EDB)	ug/kg	ND	8260	8260	8280	7750	100	94	70-130	7	30	
1,2-Dichlorobenzene	ug/kg	ND	8260	8260	8810	8660	107	105	69-130	2	30	
1,2-Dichloroethane	ug/kg	ND	8260	8260	9070	8420	110	102	59-130	7	30	
1,2-Dichloropropane	ug/kg	ND	8260	8260	8910	8220	108	100	70-130	8	30	
1,3,5-Trimethylbenzene	ug/kg	19200	8260	8260	26600	25900	89	80	65-137	3	30	
1,3-Dichlorobenzene	ug/kg	ND	8260	8260	8380	8410	101	102	70-130	0	30	
1,3-Dichloropropane	ug/kg	ND	8260	8260	8290	7780	100	94	70-130	6	30	
1,4-Dichlorobenzene	ug/kg	ND	8260	8260	8910	8650	108	105	68-130	3	30	
2,2-Dichloropropane	ug/kg	ND	8260	8260	10000	9280	121	112	32-130	8	30	
2-Butanone (MEK)	ug/kg	ND	16500	16500	17900	16400	109	99	10-136	9	30	
2-Chlorotoluene	ug/kg	ND	8260	8260	11000	10500	133	127	69-141	4	30	
2-Hexanone	ug/kg	ND	16500	16500	16400	15100	99	91	10-144	8	30	
4-Chlorotoluene	ug/kg	ND	8260	8260	10700	8690	130	105	70-132	21	30	
4-Methyl-2-pentanone (MIBK)	ug/kg	2170	16500	16500	19100	17300	102	91	25-143	10	30	

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QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92558727

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3387297 3387298

Parameter	Units	92558727001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acetone	ug/kg	ND	16500	16500	19500	17600	118	107	10-130	10	30	
Benzene	ug/kg	631	8260	8260	9630	8890	109	100	67-130	8	30	
Bromobenzene	ug/kg	ND	8260	8260	8870	8340	107	101	70-130	6	30	
Bromochloromethane	ug/kg	ND	8260	8260	9200	8460	111	102	69-134	8	30	
Bromodichloromethane	ug/kg	ND	8260	8260	8490	8180	103	99	64-130	4	30	
Bromoform	ug/kg	ND	8260	8260	8420	7870	102	95	62-130	7	30	
Bromomethane	ug/kg	ND	8260	8260	11000	10500	133	127	20-176	5	30	
Carbon tetrachloride	ug/kg	ND	8260	8260	9980	9260	121	112	65-140	8	30	
Chlorobenzene	ug/kg	98.7	8260	8260	9010	8430	108	101	70-130	7	30	
Chloroethane	ug/kg	ND	8260	8260	9230	8480	112	103	10-130	9	30	
Chloroform	ug/kg	ND	8260	8260	9710	9110	118	110	63-130	6	30	
Chloromethane	ug/kg	ND	8260	8260	9350	8400	113	102	58-130	11	30	
cis-1,2-Dichloroethene	ug/kg	ND	8260	8260	9630	8750	117	106	66-130	10	30	
cis-1,3-Dichloropropene	ug/kg	ND	8260	8260	8900	8250	108	100	67-130	8	30	
Dibromochloromethane	ug/kg	ND	8260	8260	9310	8840	113	107	67-130	5	30	
Dibromomethane	ug/kg	ND	8260	8260	8950	8290	108	100	63-131	8	30	
Dichlorodifluoromethane	ug/kg	ND	8260	8260	13600	12600	165	152	44-180	8	30	
Diisopropyl ether	ug/kg	ND	8260	8260	8840	8240	107	100	63-130	7	30	
Ethylbenzene	ug/kg	17400	8260	8260	25600	24600	99	88	66-130	4	30	
Hexachloro-1,3-butadiene	ug/kg	ND	8260	8260	8560	9420	104	114	64-150	10	30	
Isopropylbenzene (Cumene)	ug/kg	2420	8260	8260	11500	10900	110	103	69-135	5	30	
m&p-Xylene	ug/kg	73500	16500	16500	88400	87400	90	84	60-133	1	30	
Methyl-tert-butyl ether	ug/kg	ND	8260	8260	8870	8220	107	100	65-130	8	30	
Methylene Chloride	ug/kg	ND	8260	8260	9090	8320	110	101	61-130	9	30	
n-Butylbenzene	ug/kg	3920	8260	8260	13600	14000	117	122	65-140	3	30	
n-Propylbenzene	ug/kg	10500	8260	8260	18500	18200	96	93	67-140	2	30	
Naphthalene	ug/kg	9910	8260	8260	16900	16700	84	82	15-145	1	30	
o-Xylene	ug/kg	33200	8260	8260	38900	38600	69	66	66-133	1	30	
p-Isopropyltoluene	ug/kg	3090	8260	8260	11100	11500	97	102	56-147	3	30	
sec-Butylbenzene	ug/kg	ND	8260	8260	9630	9960	117	121	65-139	3	30	
Styrene	ug/kg	ND	8260	8260	9750	9260	118	112	70-132	5	30	
tert-Butylbenzene	ug/kg	ND	8260	8260	8010	8490	97	103	62-135	6	30	
Tetrachloroethene	ug/kg	ND	8260	8260	8780	8140	106	99	70-135	8	30	
Toluene	ug/kg	30300	8260	8260	40900	40100	128	119	67-130	2	30	
trans-1,2-Dichloroethene	ug/kg	ND	8260	8260	9500	8620	115	104	69-130	10	30	
trans-1,3-Dichloropropene	ug/kg	ND	8260	8260	8510	7970	103	96	62-130	7	30	
Trichloroethene	ug/kg	ND	8260	8260	9000	8350	109	101	70-135	7	30	
Trichlorofluoromethane	ug/kg	ND	8260	8260	10400	9430	125	114	10-130	9	30	
Vinyl acetate	ug/kg	ND	16500	16500	19600	18200	119	110	53-130	7	30	
Vinyl chloride	ug/kg	ND	8260	8260	10300	9880	125	120	61-148	4	30	
Xylene (Total)	ug/kg	107000	24800	24800	127000	126000	83	78	63-132	1	30	
1,2-Dichloroethane-d4 (S)	%						102	106	70-130			
4-Bromofluorobenzene (S)	%						98	101	69-134			
Toluene-d8 (S)	%						101	101	70-130			

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QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92558727

QC Batch: 644318
QC Batch Method: SW-846
Analysis Method: SW-846
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92558727001, 92558727002

SAMPLE DUPLICATE: 3380637

Parameter	Units	92558727001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	12.3	11.9	4	25	N2

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92558727

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
v1	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.
v2	The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.
v3	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have low bias.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92558727

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92558727001	**RW-82 (32-34')**	MADEP VPH	645229	MADEP VPH	645276
92558727002	**RW-82 (42-44')**	MADEP VPH	645229	MADEP VPH	645276
92558727001	**RW-82 (32-34')**	EPA 5035A/5030B	645781	EPA 8260D	645785
92558727002	**RW-82 (42-44')**	EPA 5035A/5030B	645181	EPA 8260D	645243
92558727001	**RW-82 (32-34')**	SW-846	644318		
92558727002	**RW-82 (42-44')**	SW-846	644318		

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

WO# : 92558727

92558727

Company: Apex Companies	Billing Information:
Address: 5900 Northwoods Bus. Pkwy.	
Report To: Andrew Street	Email To: andrew.street@apexcos.com
Copy To: tom.naumann@apexcos.com	Site Collection Info/Address: Huntersville - Concord Rd.
Customer Project Name/Number: CPC Huntersville	State: NC County/City: Huntersville Time Zone Collected: [ ] PT [ ] MT [ ] CT [X] ET
Phone: Email:	Site/Facility ID #: CPC Huntersville
Collected By (print): C. Alexander	Purchase Order #: Quote #: 2020-L1-2248
Collected By (signature):	Turnaround Date Required: Std
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)
	Compliance Monitoring? [ ] Yes [X] No
	DW PWS ID #: DW Location Code:
	Immediately Packed on Ice: [X] Yes [ ] No
	Field Filtered (if applicable): [ ] Yes [X] No Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	VOCs by 8260D	MADEP VPH
RW-82 (32-34')	SL	Grab	8/30/21	1646				3	X	X
RW-82 (42-44')	SL	Grab	8/31/21	1055				3	X	X

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips:	
Sample pH Acceptable	Y N NA
pH Strips:	
Sulfide Present	Y N NA
Lead Acetate Strips:	

LAB USE ONLY:
Lab Sample # / Comments:
92558727
all
9cv

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2546701

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 214064
Cooler 1 Temp Upon Receipt: 3.3 oC
Cooler 1 Therm Corr. Factor: .99 oC
Cooler 1 Corrected Temp: 3.3 oC
Comments:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: of:

Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Apex	8/31/21 1709	Pace	8-31-21 17:09
Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY

Table #:
Acctnum:
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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

September 14, 2021

Andrew Street
Apex Companies - NC
5900 Northwoods Business Pkwy
Suite 5900-0
Charlotte, NC 28269

RE: Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92559635

Dear Andrew Street:

Enclosed are the analytical results for sample(s) received by the laboratory on September 07, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Charlotte

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angela M. Baioni

Angela Baioni
angela.baioni@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: J Culbreath, Colonial Pipeline Company
Naomi Fretz, APEX Companies, LLC
Robert Hughes, Colonial Pipeline
Cameron Lee, Montrose-EPS
Jamie Moran, APEX Companies, LLC
Jeff Morrison, Colonial Pipeline Company
Tom Naumann, APEX Companies - NC
Joe Nicolette, Montrose-EPS
Kaitlyn Nootens, Apex Companies
Christopher Schultz, Apex Companies
Matt Teixeira, Apex Companies, LLC
Michael Verdon, Colonial Pipeline Company
JM Wyatt, Colonial Pipeline Company

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92559635

Pace Analytical Services Charlotte
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

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SAMPLE SUMMARY

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92559635

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92559635001	**MW-26R (46-48')**	Solid	09/03/21 15:00	09/07/21 12:00
92559635002	**MW-26R (52-54')**	Solid	09/03/21 15:05	09/07/21 12:00

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92559635

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92559635001	**MW-26R (46-48')**	MADEP VPH	MAD	6	PASI-C
		EPA 8260D	CL	70	PASI-C
		SW-846	KDF	1	PASI-C
92559635002	**MW-26R (52-54')**	MADEP VPH	MAD	6	PASI-C
		EPA 8260D	CL	70	PASI-C
		SW-846	KDF	1	PASI-C

PASI-C = Pace Analytical Services - Charlotte

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92559635

Sample: MW-26R (46-48') **Lab ID: 92559635001** Collected: 09/03/21 15:00 Received: 09/07/21 12:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VPH NC Soil	Analytical Method: MADEP VPH Preparation Method: MADEP VPH Pace Analytical Services - Charlotte								
Total VPH (C5-C12)	**298**	mg/kg	2.9	2.9	1	09/07/21 15:37	09/07/21 22:18		N2
Aliphatic (C05-C08)	**182**	mg/kg	2.9	2.9	1	09/07/21 15:37	09/07/21 22:18		N2
Aliphatic(C09-C12) Adjusted	**82.1**	mg/kg	2.9	2.9	1	09/07/21 15:37	09/07/21 22:18		N2
Aromatic (C09-C10)	**33.4**	mg/kg	2.9	2.9	1	09/07/21 15:37	09/07/21 22:18		N2
Surrogates									
4-Bromofluorobenzene (FID) (S)	123	%	70-130		1	09/07/21 15:37	09/07/21 22:18	460-00-4	
4-Bromofluorobenzene (PID) (S)	97	%	70-130		1	09/07/21 15:37	09/07/21 22:18	460-00-4	
8260D/5035A/5030B Volatiles	Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B Pace Analytical Services - Charlotte								
Acetone	ND	ug/kg	291	93.5	2.5	09/09/21 13:33	09/09/21 17:10	67-64-1	v2
Benzene	**580**	ug/kg	14.6	5.8	2.5	09/09/21 13:33	09/09/21 17:10	71-43-2	
Bromobenzene	ND	ug/kg	14.6	4.7	2.5	09/09/21 13:33	09/09/21 17:10	108-86-1	
Bromochloromethane	ND	ug/kg	14.6	4.3	2.5	09/09/21 13:33	09/09/21 17:10	74-97-5	
Bromodichloromethane	ND	ug/kg	14.6	5.6	2.5	09/09/21 13:33	09/09/21 17:10	75-27-4	
Bromoform	ND	ug/kg	14.6	5.1	2.5	09/09/21 13:33	09/09/21 17:10	75-25-2	
Bromomethane	ND	ug/kg	29.1	23.0	2.5	09/09/21 13:33	09/09/21 17:10	74-83-9	
2-Butanone (MEK)	ND	ug/kg	291	69.9	2.5	09/09/21 13:33	09/09/21 17:10	78-93-3	v2
n-Butylbenzene	**322**	ug/kg	14.6	6.9	2.5	09/09/21 13:33	09/09/21 17:10	104-51-8	
sec-Butylbenzene	ND	ug/kg	14.6	6.4	2.5	09/09/21 13:33	09/09/21 17:10	135-98-8	
tert-Butylbenzene	ND	ug/kg	14.6	5.2	2.5	09/09/21 13:33	09/09/21 17:10	98-06-6	
Carbon tetrachloride	ND	ug/kg	14.6	5.4	2.5	09/09/21 13:33	09/09/21 17:10	56-23-5	
Chlorobenzene	**7.8J**	ug/kg	14.6	2.8	2.5	09/09/21 13:33	09/09/21 17:10	108-90-7	
Chloroethane	ND	ug/kg	29.1	11.2	2.5	09/09/21 13:33	09/09/21 17:10	75-00-3	
Chloroform	ND	ug/kg	14.6	8.9	2.5	09/09/21 13:33	09/09/21 17:10	67-66-3	
Chloromethane	ND	ug/kg	29.1	12.2	2.5	09/09/21 13:33	09/09/21 17:10	74-87-3	
2-Chlorotoluene	ND	ug/kg	14.6	5.2	2.5	09/09/21 13:33	09/09/21 17:10	95-49-8	
4-Chlorotoluene	ND	ug/kg	14.6	2.6	2.5	09/09/21 13:33	09/09/21 17:10	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	14.6	5.6	2.5	09/09/21 13:33	09/09/21 17:10	96-12-8	
Dibromochloromethane	ND	ug/kg	14.6	8.2	2.5	09/09/21 13:33	09/09/21 17:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	14.6	6.4	2.5	09/09/21 13:33	09/09/21 17:10	106-93-4	
Dibromomethane	ND	ug/kg	14.6	3.1	2.5	09/09/21 13:33	09/09/21 17:10	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	14.6	5.2	2.5	09/09/21 13:33	09/09/21 17:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	14.6	4.5	2.5	09/09/21 13:33	09/09/21 17:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	14.6	3.8	2.5	09/09/21 13:33	09/09/21 17:10	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	29.1	6.3	2.5	09/09/21 13:33	09/09/21 17:10	75-71-8	
1,1-Dichloroethane	ND	ug/kg	14.6	6.0	2.5	09/09/21 13:33	09/09/21 17:10	75-34-3	
1,2-Dichloroethane	ND	ug/kg	14.6	9.6	2.5	09/09/21 13:33	09/09/21 17:10	107-06-2	
1,1-Dichloroethene	ND	ug/kg	14.6	6.0	2.5	09/09/21 13:33	09/09/21 17:10	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	14.6	5.0	2.5	09/09/21 13:33	09/09/21 17:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	14.6	5.1	2.5	09/09/21 13:33	09/09/21 17:10	156-60-5	
1,2-Dichloropropane	ND	ug/kg	14.6	4.4	2.5	09/09/21 13:33	09/09/21 17:10	78-87-5	
1,3-Dichloropropane	ND	ug/kg	14.6	4.5	2.5	09/09/21 13:33	09/09/21 17:10	142-28-9	
2,2-Dichloropropane	ND	ug/kg	14.6	4.7	2.5	09/09/21 13:33	09/09/21 17:10	594-20-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92559635

Sample: MW-26R (46-48') **Lab ID: 92559635001** Collected: 09/03/21 15:00 Received: 09/07/21 12:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D/5035A/5030B Volatiles	Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B Pace Analytical Services - Charlotte								
1,1-Dichloropropene	ND	ug/kg	14.6	7.0	2.5	09/09/21 13:33	09/09/21 17:10	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	14.6	4.0	2.5	09/09/21 13:33	09/09/21 17:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	14.6	5.0	2.5	09/09/21 13:33	09/09/21 17:10	10061-02-6	
Diisopropyl ether	**120**	ug/kg	14.6	3.9	2.5	09/09/21 13:33	09/09/21 17:10	108-20-3	
Ethylbenzene	**2500**	ug/kg	14.6	6.8	2.5	09/09/21 13:33	09/09/21 17:10	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	29.1	23.8	2.5	09/09/21 13:33	09/09/21 17:10	87-68-3	
2-Hexanone	ND	ug/kg	146	14.0	2.5	09/09/21 13:33	09/09/21 17:10	591-78-6	v2
Isopropylbenzene (Cumene)	**253**	ug/kg	14.6	5.0	2.5	09/09/21 13:33	09/09/21 17:10	98-82-8	
p-Isopropyltoluene	**241**	ug/kg	14.6	7.2	2.5	09/09/21 13:33	09/09/21 17:10	99-87-6	
Methylene Chloride	ND	ug/kg	58.2	39.9	2.5	09/09/21 13:33	09/09/21 17:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	**268**	ug/kg	146	14.0	2.5	09/09/21 13:33	09/09/21 17:10	108-10-1	v3
Methyl-tert-butyl ether	ND	ug/kg	14.6	5.4	2.5	09/09/21 13:33	09/09/21 17:10	1634-04-4	
Naphthalene	**681**	ug/kg	14.6	7.7	2.5	09/09/21 13:33	09/09/21 17:10	91-20-3	
n-Propylbenzene	**939**	ug/kg	14.6	5.2	2.5	09/09/21 13:33	09/09/21 17:10	103-65-1	
Styrene	ND	ug/kg	14.6	3.8	2.5	09/09/21 13:33	09/09/21 17:10	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	14.6	5.6	2.5	09/09/21 13:33	09/09/21 17:10	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	14.6	3.8	2.5	09/09/21 13:33	09/09/21 17:10	79-34-5	
Tetrachloroethene	ND	ug/kg	14.6	4.6	2.5	09/09/21 13:33	09/09/21 17:10	127-18-4	
Toluene	**7220**	ug/kg	14.6	4.1	2.5	09/09/21 13:33	09/09/21 17:10	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	14.6	11.8	2.5	09/09/21 13:33	09/09/21 17:10	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	14.6	12.2	2.5	09/09/21 13:33	09/09/21 17:10	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	14.6	7.6	2.5	09/09/21 13:33	09/09/21 17:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	14.6	4.8	2.5	09/09/21 13:33	09/09/21 17:10	79-00-5	
Trichloroethene	ND	ug/kg	14.6	3.8	2.5	09/09/21 13:33	09/09/21 17:10	79-01-6	
Trichlorofluoromethane	ND	ug/kg	14.6	8.0	2.5	09/09/21 13:33	09/09/21 17:10	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	14.6	7.4	2.5	09/09/21 13:33	09/09/21 17:10	96-18-4	
1,2,4-Trimethylbenzene	**5260**	ug/kg	14.6	4.0	2.5	09/09/21 13:33	09/09/21 17:10	95-63-6	
1,3,5-Trimethylbenzene	**1480**	ug/kg	14.6	4.9	2.5	09/09/21 13:33	09/09/21 17:10	108-67-8	
Vinyl acetate	ND	ug/kg	146	10.6	2.5	09/09/21 13:33	09/09/21 17:10	108-05-4	
Vinyl chloride	ND	ug/kg	29.1	7.4	2.5	09/09/21 13:33	09/09/21 17:10	75-01-4	
Xylene (Total)	**14300**	ug/kg	29.1	8.3	2.5	09/09/21 13:33	09/09/21 17:10	1330-20-7	
m&p-Xylene	**10300**	ug/kg	29.1	10	2.5	09/09/21 13:33	09/09/21 17:10	179601-23-1	
o-Xylene	**3980**	ug/kg	14.6	6.4	2.5	09/09/21 13:33	09/09/21 17:10	95-47-6	
Surrogates									
Toluene-d8 (S)	97	%	70-130		2.5	09/09/21 13:33	09/09/21 17:10	2037-26-5	
4-Bromofluorobenzene (S)	101	%	69-134		2.5	09/09/21 13:33	09/09/21 17:10	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		2.5	09/09/21 13:33	09/09/21 17:10	17060-07-0	
Percent Moisture	Analytical Method: SW-846 Pace Analytical Services - Charlotte								
Percent Moisture	**10.1**	%	0.10	0.10	1		09/07/21 16:38		N2

REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92559635

Sample: MW-26R (52-54') **Lab ID: 92559635002** Collected: 09/03/21 15:05 Received: 09/07/21 12:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VPH NC Soil	Analytical Method: MADEP VPH Preparation Method: MADEP VPH Pace Analytical Services - Charlotte								
Total VPH (C5-C12)	**18.7**	mg/kg	3.3	3.3	1	09/13/21 18:33	09/14/21 00:10		N2
Aliphatic (C05-C08)	**9.3**	mg/kg	3.3	3.3	1	09/13/21 18:33	09/14/21 00:10		N2
Aliphatic(C09-C12) Adjusted	**8.3**	mg/kg	3.3	3.3	1	09/13/21 18:33	09/14/21 00:10		N2
Aromatic (C09-C10)	ND	mg/kg	3.3	3.3	1	09/13/21 18:33	09/14/21 00:10		N2
Surrogates									
4-Bromofluorobenzene (FID) (S)	109	%	70-130		1	09/13/21 18:33	09/14/21 00:10	460-00-4	
4-Bromofluorobenzene (PID) (S)	106	%	70-130		1	09/13/21 18:33	09/14/21 00:10	460-00-4	
8260D/5035A/5030B Volatiles	Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B Pace Analytical Services - Charlotte								
Acetone	ND	ug/kg	1550	497	12.5	09/09/21 13:33	09/09/21 17:45	67-64-1	v2
Benzene	**2630**	ug/kg	77.4	30.8	12.5	09/09/21 13:33	09/09/21 17:45	71-43-2	
Bromobenzene	ND	ug/kg	77.4	25.2	12.5	09/09/21 13:33	09/09/21 17:45	108-86-1	
Bromochloromethane	ND	ug/kg	77.4	22.9	12.5	09/09/21 13:33	09/09/21 17:45	74-97-5	
Bromodichloromethane	ND	ug/kg	77.4	29.9	12.5	09/09/21 13:33	09/09/21 17:45	75-27-4	
Bromoform	ND	ug/kg	77.4	27.2	12.5	09/09/21 13:33	09/09/21 17:45	75-25-2	
Bromomethane	ND	ug/kg	155	122	12.5	09/09/21 13:33	09/09/21 17:45	74-83-9	
2-Butanone (MEK)	ND	ug/kg	1550	371	12.5	09/09/21 13:33	09/09/21 17:45	78-93-3	v2
n-Butylbenzene	**4560**	ug/kg	77.4	36.5	12.5	09/09/21 13:33	09/09/21 17:45	104-51-8	
sec-Butylbenzene	ND	ug/kg	77.4	34.0	12.5	09/09/21 13:33	09/09/21 17:45	135-98-8	
tert-Butylbenzene	ND	ug/kg	77.4	27.5	12.5	09/09/21 13:33	09/09/21 17:45	98-06-6	
Carbon tetrachloride	ND	ug/kg	77.4	28.9	12.5	09/09/21 13:33	09/09/21 17:45	56-23-5	
Chlorobenzene	**113**	ug/kg	77.4	14.9	12.5	09/09/21 13:33	09/09/21 17:45	108-90-7	
Chloroethane	ND	ug/kg	155	59.7	12.5	09/09/21 13:33	09/09/21 17:45	75-00-3	
Chloroform	ND	ug/kg	77.4	47.0	12.5	09/09/21 13:33	09/09/21 17:45	67-66-3	
Chloromethane	ND	ug/kg	155	65.0	12.5	09/09/21 13:33	09/09/21 17:45	74-87-3	
2-Chlorotoluene	ND	ug/kg	77.4	27.4	12.5	09/09/21 13:33	09/09/21 17:45	95-49-8	
4-Chlorotoluene	ND	ug/kg	77.4	13.7	12.5	09/09/21 13:33	09/09/21 17:45	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	77.4	30.0	12.5	09/09/21 13:33	09/09/21 17:45	96-12-8	
Dibromochloromethane	ND	ug/kg	77.4	43.5	12.5	09/09/21 13:33	09/09/21 17:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	77.4	34.0	12.5	09/09/21 13:33	09/09/21 17:45	106-93-4	
Dibromomethane	ND	ug/kg	77.4	16.6	12.5	09/09/21 13:33	09/09/21 17:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	77.4	27.8	12.5	09/09/21 13:33	09/09/21 17:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	77.4	24.0	12.5	09/09/21 13:33	09/09/21 17:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	77.4	20.1	12.5	09/09/21 13:33	09/09/21 17:45	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	155	33.6	12.5	09/09/21 13:33	09/09/21 17:45	75-71-8	
1,1-Dichloroethane	ND	ug/kg	77.4	31.9	12.5	09/09/21 13:33	09/09/21 17:45	75-34-3	
1,2-Dichloroethane	ND	ug/kg	77.4	51.2	12.5	09/09/21 13:33	09/09/21 17:45	107-06-2	
1,1-Dichloroethene	ND	ug/kg	77.4	31.9	12.5	09/09/21 13:33	09/09/21 17:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	77.4	26.5	12.5	09/09/21 13:33	09/09/21 17:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	77.4	27.1	12.5	09/09/21 13:33	09/09/21 17:45	156-60-5	
1,2-Dichloropropane	ND	ug/kg	77.4	23.2	12.5	09/09/21 13:33	09/09/21 17:45	78-87-5	
1,3-Dichloropropane	ND	ug/kg	77.4	24.1	12.5	09/09/21 13:33	09/09/21 17:45	142-28-9	
2,2-Dichloropropane	ND	ug/kg	77.4	25.2	12.5	09/09/21 13:33	09/09/21 17:45	594-20-7	

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92559635

Sample: MW-26R (52-54') **Lab ID: 92559635002** Collected: 09/03/21 15:05 Received: 09/07/21 12:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D/5035A/5030B Volatiles	Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B Pace Analytical Services - Charlotte								
1,1-Dichloropropene	ND	ug/kg	77.4	37.1	12.5	09/09/21 13:33	09/09/21 17:45	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	77.4	21.0	12.5	09/09/21 13:33	09/09/21 17:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	77.4	26.6	12.5	09/09/21 13:33	09/09/21 17:45	10061-02-6	
Diisopropyl ether	**219**	ug/kg	77.4	20.9	12.5	09/09/21 13:33	09/09/21 17:45	108-20-3	
Ethylbenzene	**31000**	ug/kg	77.4	36.0	12.5	09/09/21 13:33	09/09/21 17:45	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	155	127	12.5	09/09/21 13:33	09/09/21 17:45	87-68-3	
2-Hexanone	ND	ug/kg	774	74.6	12.5	09/09/21 13:33	09/09/21 17:45	591-78-6	v2
Isopropylbenzene (Cumene)	**3430**	ug/kg	77.4	26.3	12.5	09/09/21 13:33	09/09/21 17:45	98-82-8	
p-Isopropyltoluene	**3610**	ug/kg	77.4	38.1	12.5	09/09/21 13:33	09/09/21 17:45	99-87-6	
Methylene Chloride	ND	ug/kg	309	212	12.5	09/09/21 13:33	09/09/21 17:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	**3860**	ug/kg	774	74.6	12.5	09/09/21 13:33	09/09/21 17:45	108-10-1	v3
Methyl-tert-butyl ether	ND	ug/kg	77.4	28.9	12.5	09/09/21 13:33	09/09/21 17:45	1634-04-4	
Naphthalene	**8870**	ug/kg	77.4	40.7	12.5	09/09/21 13:33	09/09/21 17:45	91-20-3	
n-Propylbenzene	**13200**	ug/kg	77.4	27.5	12.5	09/09/21 13:33	09/09/21 17:45	103-65-1	
Styrene	ND	ug/kg	77.4	20.4	12.5	09/09/21 13:33	09/09/21 17:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	77.4	29.7	12.5	09/09/21 13:33	09/09/21 17:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	77.4	20.4	12.5	09/09/21 13:33	09/09/21 17:45	79-34-5	
Tetrachloroethene	ND	ug/kg	77.4	24.4	12.5	09/09/21 13:33	09/09/21 17:45	127-18-4	
Toluene	**71400**	ug/kg	77.4	22.0	12.5	09/09/21 13:33	09/09/21 17:45	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	77.4	62.5	12.5	09/09/21 13:33	09/09/21 17:45	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	77.4	65.0	12.5	09/09/21 13:33	09/09/21 17:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	77.4	40.2	12.5	09/09/21 13:33	09/09/21 17:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	77.4	25.7	12.5	09/09/21 13:33	09/09/21 17:45	79-00-5	
Trichloroethene	ND	ug/kg	77.4	20.0	12.5	09/09/21 13:33	09/09/21 17:45	79-01-6	
Trichlorofluoromethane	ND	ug/kg	77.4	42.5	12.5	09/09/21 13:33	09/09/21 17:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	77.4	39.1	12.5	09/09/21 13:33	09/09/21 17:45	96-18-4	
1,2,4-Trimethylbenzene	**75600**	ug/kg	77.4	21.2	12.5	09/09/21 13:33	09/09/21 17:45	95-63-6	
1,3,5-Trimethylbenzene	**21100**	ug/kg	77.4	26.0	12.5	09/09/21 13:33	09/09/21 17:45	108-67-8	
Vinyl acetate	ND	ug/kg	774	56.3	12.5	09/09/21 13:33	09/09/21 17:45	108-05-4	
Vinyl chloride	ND	ug/kg	155	39.3	12.5	09/09/21 13:33	09/09/21 17:45	75-01-4	
Xylene (Total)	**180000**	ug/kg	155	44.1	12.5	09/09/21 13:33	09/09/21 17:45	1330-20-7	
m&p-Xylene	**128000**	ug/kg	155	52.9	12.5	09/09/21 13:33	09/09/21 17:45	179601-23-1	
o-Xylene	**52700**	ug/kg	77.4	34.2	12.5	09/09/21 13:33	09/09/21 17:45	95-47-6	
Surrogates									
Toluene-d8 (S)	100	%	70-130		12.5	09/09/21 13:33	09/09/21 17:45	2037-26-5	
4-Bromofluorobenzene (S)	102	%	69-134		12.5	09/09/21 13:33	09/09/21 17:45	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		12.5	09/09/21 13:33	09/09/21 17:45	17060-07-0	
Percent Moisture	Analytical Method: SW-846 Pace Analytical Services - Charlotte								
Percent Moisture	**13.3**	%	0.10	0.10	1		09/07/21 16:38		N2

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92559635

QC Batch: 645563
QC Batch Method: MADEP VPH
Analysis Method: MADEP VPH
Analysis Description: VPH NC Soil
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92559635001

METHOD BLANK: 3386538 Matrix: Solid
Associated Lab Samples: 92559635001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (C05-C08)	mg/kg	ND	2.5	2.5	09/07/21 16:05	N2
Aromatic (C09-C10)	mg/kg	ND	2.5	2.5	09/07/21 16:05	N2
4-Bromofluorobenzene (FID) (S)	%	105	70-130		09/07/21 16:05	
4-Bromofluorobenzene (PID) (S)	%	106	70-130		09/07/21 16:05	

LABORATORY CONTROL SAMPLE & LCSD: 3386539 3386540

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	mg/kg	15.1	14.4	14.0	95	93	70-130	3	25	N2
Aromatic (C09-C10)	mg/kg	5	5.2	5.6	104	111	70-130	7	25	N2
4-Bromofluorobenzene (FID) (S)	%				102	102	70-130			
4-Bromofluorobenzene (PID) (S)	%				100	101	70-130			

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QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92559635

QC Batch: 646876
QC Batch Method: MADEP VPH
Analysis Method: MADEP VPH
Analysis Description: VPH NC Soil
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92559635002

METHOD BLANK: 3393234 Matrix: Solid
Associated Lab Samples: 92559635002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (C05-C08)	mg/kg	ND	2.5	2.5	09/13/21 23:14	N2
Aromatic (C09-C10)	mg/kg	ND	2.5	2.5	09/13/21 23:14	N2
4-Bromofluorobenzene (FID) (S)	%	103	70-130		09/13/21 23:14	
4-Bromofluorobenzene (PID) (S)	%	102	70-130		09/13/21 23:14	

LABORATORY CONTROL SAMPLE & LCSD: 3393235 3393236

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	mg/kg	15	14.7	12.0	98	80	70-130	20	25	N2
Aromatic (C09-C10)	mg/kg	5	5.8	4.5	116	90	70-130	25	25	N2
4-Bromofluorobenzene (FID) (S)	%				106	102	70-130			
4-Bromofluorobenzene (PID) (S)	%				101	98	70-130			

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QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92559635

QC Batch: 646193
QC Batch Method: EPA 5035A/5030B
Analysis Method: EPA 8260D
Analysis Description: 8260D 5035A 5030B
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92559635001, 92559635002

METHOD BLANK: 3389560 Matrix: Solid
Associated Lab Samples: 92559635001, 92559635002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	1.9	09/09/21 13:06	
1,1,1-Trichloroethane	ug/kg	ND	5.0	2.6	09/09/21 13:06	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	1.3	09/09/21 13:06	
1,1,2-Trichloroethane	ug/kg	ND	5.0	1.7	09/09/21 13:06	
1,1-Dichloroethane	ug/kg	ND	5.0	2.1	09/09/21 13:06	
1,1-Dichloroethene	ug/kg	ND	5.0	2.1	09/09/21 13:06	
1,1-Dichloropropene	ug/kg	ND	5.0	2.4	09/09/21 13:06	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	4.0	09/09/21 13:06	
1,2,3-Trichloropropane	ug/kg	ND	5.0	2.5	09/09/21 13:06	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	4.2	09/09/21 13:06	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	1.4	09/09/21 13:06	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	1.9	09/09/21 13:06	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	2.2	09/09/21 13:06	
1,2-Dichlorobenzene	ug/kg	ND	5.0	1.8	09/09/21 13:06	
1,2-Dichloroethane	ug/kg	ND	5.0	3.3	09/09/21 13:06	
1,2-Dichloropropane	ug/kg	ND	5.0	1.5	09/09/21 13:06	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	1.7	09/09/21 13:06	
1,3-Dichlorobenzene	ug/kg	ND	5.0	1.6	09/09/21 13:06	
1,3-Dichloropropane	ug/kg	ND	5.0	1.6	09/09/21 13:06	
1,4-Dichlorobenzene	ug/kg	ND	5.0	1.3	09/09/21 13:06	
2,2-Dichloropropane	ug/kg	ND	5.0	1.6	09/09/21 13:06	
2-Butanone (MEK)	ug/kg	ND	100	24.0	09/09/21 13:06	v2
2-Chlorotoluene	ug/kg	ND	5.0	1.8	09/09/21 13:06	
2-Hexanone	ug/kg	ND	50.0	4.8	09/09/21 13:06	v2
4-Chlorotoluene	ug/kg	ND	5.0	0.88	09/09/21 13:06	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	4.8	09/09/21 13:06	v2
Acetone	ug/kg	ND	100	32.1	09/09/21 13:06	v2
Benzene	ug/kg	ND	5.0	2.0	09/09/21 13:06	
Bromobenzene	ug/kg	ND	5.0	1.6	09/09/21 13:06	
Bromochloromethane	ug/kg	ND	5.0	1.5	09/09/21 13:06	
Bromodichloromethane	ug/kg	ND	5.0	1.9	09/09/21 13:06	
Bromoform	ug/kg	ND	5.0	1.8	09/09/21 13:06	
Bromomethane	ug/kg	ND	10.0	7.9	09/09/21 13:06	
Carbon tetrachloride	ug/kg	ND	5.0	1.9	09/09/21 13:06	
Chlorobenzene	ug/kg	ND	5.0	0.96	09/09/21 13:06	
Chloroethane	ug/kg	ND	10.0	3.9	09/09/21 13:06	
Chloroform	ug/kg	ND	5.0	3.0	09/09/21 13:06	
Chloromethane	ug/kg	ND	10.0	4.2	09/09/21 13:06	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	1.7	09/09/21 13:06	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	1.4	09/09/21 13:06	

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QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92559635

METHOD BLANK: 3389560 Matrix: Solid
Associated Lab Samples: 92559635001, 92559635002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dibromochloromethane	ug/kg	ND	5.0	2.8	09/09/21 13:06	
Dibromomethane	ug/kg	ND	5.0	1.1	09/09/21 13:06	
Dichlorodifluoromethane	ug/kg	ND	10.0	2.2	09/09/21 13:06	
Diisopropyl ether	ug/kg	ND	5.0	1.4	09/09/21 13:06	
Ethylbenzene	ug/kg	ND	5.0	2.3	09/09/21 13:06	
Hexachloro-1,3-butadiene	ug/kg	ND	10.0	8.2	09/09/21 13:06	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	1.7	09/09/21 13:06	
m&p-Xylene	ug/kg	ND	10.0	3.4	09/09/21 13:06	
Methyl-tert-butyl ether	ug/kg	ND	5.0	1.9	09/09/21 13:06	
Methylene Chloride	ug/kg	ND	20.0	13.7	09/09/21 13:06	
n-Butylbenzene	ug/kg	ND	5.0	2.4	09/09/21 13:06	
n-Propylbenzene	ug/kg	ND	5.0	1.8	09/09/21 13:06	
Naphthalene	ug/kg	ND	5.0	2.6	09/09/21 13:06	
o-Xylene	ug/kg	ND	5.0	2.2	09/09/21 13:06	
p-Isopropyltoluene	ug/kg	ND	5.0	2.5	09/09/21 13:06	
sec-Butylbenzene	ug/kg	ND	5.0	2.2	09/09/21 13:06	
Styrene	ug/kg	ND	5.0	1.3	09/09/21 13:06	
tert-Butylbenzene	ug/kg	ND	5.0	1.8	09/09/21 13:06	
Tetrachloroethene	ug/kg	ND	5.0	1.6	09/09/21 13:06	
Toluene	ug/kg	ND	5.0	1.4	09/09/21 13:06	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	1.8	09/09/21 13:06	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	1.7	09/09/21 13:06	
Trichloroethene	ug/kg	ND	5.0	1.3	09/09/21 13:06	
Trichlorofluoromethane	ug/kg	ND	5.0	2.8	09/09/21 13:06	
Vinyl acetate	ug/kg	ND	50.0	3.6	09/09/21 13:06	
Vinyl chloride	ug/kg	ND	10.0	2.5	09/09/21 13:06	
Xylene (Total)	ug/kg	ND	10.0	2.8	09/09/21 13:06	
1,2-Dichloroethane-d4 (S)	%	99	70-130		09/09/21 13:06	
4-Bromofluorobenzene (S)	%	102	69-134		09/09/21 13:06	
Toluene-d8 (S)	%	100	70-130		09/09/21 13:06	

LABORATORY CONTROL SAMPLE: 3389561

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	1250	1260	100	70-130	
1,1,1-Trichloroethane	ug/kg	1250	1250	100	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	1250	1170	93	70-130	
1,1,2-Trichloroethane	ug/kg	1250	1150	92	70-130	
1,1-Dichloroethane	ug/kg	1250	1240	99	70-130	
1,1-Dichloroethene	ug/kg	1250	1260	101	70-130	
1,1-Dichloropropene	ug/kg	1250	1260	101	70-130	
1,2,3-Trichlorobenzene	ug/kg	1250	1230	98	65-130	
1,2,3-Trichloropropane	ug/kg	1250	1110	89	70-130	
1,2,4-Trichlorobenzene	ug/kg	1250	1250	100	68-130	

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QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92559635

LABORATORY CONTROL SAMPLE: 3389561

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1250	1240	99	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	1250	1090	87	70-130	
1,2-Dibromoethane (EDB)	ug/kg	1250	1210	97	70-130	
1,2-Dichlorobenzene	ug/kg	1250	1270	101	70-130	
1,2-Dichloroethane	ug/kg	1250	1150	92	63-130	
1,2-Dichloropropane	ug/kg	1250	1200	96	70-130	
1,3,5-Trimethylbenzene	ug/kg	1250	1210	97	70-130	
1,3-Dichlorobenzene	ug/kg	1250	1240	99	70-130	
1,3-Dichloropropane	ug/kg	1250	1190	95	70-130	
1,4-Dichlorobenzene	ug/kg	1250	1290	103	70-130	
2,2-Dichloropropane	ug/kg	1250	1230	99	66-130	
2-Butanone (MEK)	ug/kg	2500	1920	77	70-130	v3
2-Chlorotoluene	ug/kg	1250	1300	104	70-130	
2-Hexanone	ug/kg	2500	2010	80	70-130	v3
4-Chlorotoluene	ug/kg	1250	1280	102	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	2500	2050	82	70-130	v3
Acetone	ug/kg	2500	1960	78	69-130	v3
Benzene	ug/kg	1250	1230	98	70-130	
Bromobenzene	ug/kg	1250	1290	104	70-130	
Bromochloromethane	ug/kg	1250	1250	100	70-130	
Bromodichloromethane	ug/kg	1250	1190	95	69-130	
Bromoform	ug/kg	1250	1240	99	70-130	
Bromomethane	ug/kg	1250	1560	125	52-130	
Carbon tetrachloride	ug/kg	1250	1300	104	70-130	
Chlorobenzene	ug/kg	1250	1300	104	70-130	
Chloroethane	ug/kg	1250	1240	99	65-130	
Chloroform	ug/kg	1250	1240	99	70-130	
Chloromethane	ug/kg	1250	1150	92	55-130	
cis-1,2-Dichloroethene	ug/kg	1250	1210	97	70-130	
cis-1,3-Dichloropropene	ug/kg	1250	1240	99	70-130	
Dibromochloromethane	ug/kg	1250	1350	108	70-130	
Dibromomethane	ug/kg	1250	1260	101	70-130	
Dichlorodifluoromethane	ug/kg	1250	1600	128	45-156	
Diisopropyl ether	ug/kg	1250	1080	86	70-130	
Ethylbenzene	ug/kg	1250	1230	99	70-130	
Hexachloro-1,3-butadiene	ug/kg	1250	1270	101	66-130	
Isopropylbenzene (Cumene)	ug/kg	1250	1320	105	70-130	
m&p-Xylene	ug/kg	2500	2570	103	70-130	
Methyl-tert-butyl ether	ug/kg	1250	1120	89	70-130	
Methylene Chloride	ug/kg	1250	1100	88	65-130	
n-Butylbenzene	ug/kg	1250	1300	104	67-130	
n-Propylbenzene	ug/kg	1250	1280	102	70-130	
Naphthalene	ug/kg	1250	1190	96	70-130	
o-Xylene	ug/kg	1250	1250	100	70-130	
p-Isopropyltoluene	ug/kg	1250	1260	101	67-130	
sec-Butylbenzene	ug/kg	1250	1280	102	69-130	
Styrene	ug/kg	1250	1310	105	70-130	

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QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92559635

LABORATORY CONTROL SAMPLE: 3389561

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/kg	1250	1270	102	67-130	
Tetrachloroethene	ug/kg	1250	1280	102	70-130	
Toluene	ug/kg	1250	1280	103	70-130	
trans-1,2-Dichloroethene	ug/kg	1250	1190	95	70-130	
trans-1,3-Dichloropropene	ug/kg	1250	1200	96	68-130	
Trichloroethene	ug/kg	1250	1240	100	70-130	
Trichlorofluoromethane	ug/kg	1250	1250	100	70-130	
Vinyl acetate	ug/kg	2500	2480	99	70-130	
Vinyl chloride	ug/kg	1250	1330	106	61-130	
Xylene (Total)	ug/kg	3750	3820	102	70-130	
1,2-Dichloroethane-d4 (S)	%			85	70-130	
4-Bromofluorobenzene (S)	%			102	69-134	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 3389562

Parameter	Units	92559777002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	802	807	101	70-131	
1,1,1-Trichloroethane	ug/kg	ND	802	696	87	65-133	v3
1,1,2,2-Tetrachloroethane	ug/kg	ND	802	725	90	66-130	
1,1,2-Trichloroethane	ug/kg	ND	802	675	84	66-133	
1,1-Dichloroethane	ug/kg	ND	802	744	93	65-130	
1,1-Dichloroethene	ug/kg	ND	802	799	100	10-158	
1,1-Dichloropropene	ug/kg	ND	802	812	101	68-133	
1,2,3-Trichlorobenzene	ug/kg	ND	802	890	111	27-138	
1,2,3-Trichloropropane	ug/kg	ND	802	735	92	67-130	
1,2,4-Trichlorobenzene	ug/kg	ND	802	899	112	51-134	
1,2,4-Trimethylbenzene	ug/kg	ND	802	814	101	63-136	
1,2-Dibromo-3-chloropropane	ug/kg	ND	802	696	87	32-130	
1,2-Dibromoethane (EDB)	ug/kg	ND	802	777	97	70-130	
1,2-Dichlorobenzene	ug/kg	ND	802	854	106	69-130	
1,2-Dichloroethane	ug/kg	ND	802	735	92	59-130	
1,2-Dichloropropane	ug/kg	ND	802	791	99	70-130	
1,3,5-Trimethylbenzene	ug/kg	ND	802	821	102	65-137	
1,3-Dichlorobenzene	ug/kg	ND	802	848	106	70-130	
1,3-Dichloropropane	ug/kg	ND	802	806	100	70-130	
1,4-Dichlorobenzene	ug/kg	ND	802	867	108	68-130	
2,2-Dichloropropane	ug/kg	ND	802	671	84	32-130	
2-Butanone (MEK)	ug/kg	ND	1600	1170	73	10-136	
2-Chlorotoluene	ug/kg	ND	802	860	107	69-141	
2-Hexanone	ug/kg	ND	1600	1250	78	10-144	
4-Chlorotoluene	ug/kg	ND	802	833	104	70-132	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	1600	1290	80	25-143	
Acetone	ug/kg	ND	1600	842	52	10-130	
Benzene	ug/kg	ND	802	803	100	67-130	

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QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92559635

MATRIX SPIKE SAMPLE: 3389562

Parameter	Units	92559777002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromobenzene	ug/kg	ND	802	843	105	70-130	
Bromochloromethane	ug/kg	ND	802	745	93	69-134	
Bromodichloromethane	ug/kg	ND	802	635	79	64-130	
Bromoform	ug/kg	ND	802	667	83	62-130	
Bromomethane	ug/kg	ND	802	224	28	20-176	
Carbon tetrachloride	ug/kg	ND	802	796	99	65-140	
Chlorobenzene	ug/kg	ND	802	867	108	70-130	
Chloroethane	ug/kg	ND	802	85.7	11	10-130	
Chloroform	ug/kg	ND	802	760	95	63-130	
Chloromethane	ug/kg	ND	802	744	93	58-130	
cis-1,2-Dichloroethene	ug/kg	ND	802	738	92	66-130	
cis-1,3-Dichloropropene	ug/kg	ND	802	742	92	67-130	
Dibromochloromethane	ug/kg	ND	802	727	91	67-130	
Dibromomethane	ug/kg	ND	802	809	101	63-131	
Dichlorodifluoromethane	ug/kg	ND	802	971	121	44-180	
Diisopropyl ether	ug/kg	ND	802	665	83	63-130	
Ethylbenzene	ug/kg	ND	802	816	102	66-130	
Hexachloro-1,3-butadiene	ug/kg	ND	802	963	120	64-150	
Isopropylbenzene (Cumene)	ug/kg	ND	802	885	110	69-135	
m&p-Xylene	ug/kg	ND	1600	1710	106	60-133	
Methyl-tert-butyl ether	ug/kg	ND	802	683	85	65-130	
Methylene Chloride	ug/kg	ND	802	697	87	61-130	
n-Butylbenzene	ug/kg	ND	802	854	106	65-140	
n-Propylbenzene	ug/kg	ND	802	843	105	67-140	
Naphthalene	ug/kg	ND	802	823	103	15-145	
o-Xylene	ug/kg	ND	802	852	106	66-133	
p-Isopropyltoluene	ug/kg	ND	802	875	109	56-147	
sec-Butylbenzene	ug/kg	ND	802	860	107	65-139	
Styrene	ug/kg	ND	802	822	102	70-132	
tert-Butylbenzene	ug/kg	ND	802	829	103	62-135	
Tetrachloroethene	ug/kg	ND	802	902	112	70-135	
Toluene	ug/kg	ND	802	829	103	67-130	
trans-1,2-Dichloroethene	ug/kg	ND	802	765	95	69-130	
trans-1,3-Dichloropropene	ug/kg	ND	802	722	90	62-130	
Trichloroethene	ug/kg	ND	802	879	109	70-135	
Trichlorofluoromethane	ug/kg	ND	802	84.1	10	10-130	
Vinyl acetate	ug/kg	ND	1600	1370	86	53-130	
Vinyl chloride	ug/kg	ND	802	759	95	61-148	
Xylene (Total)	ug/kg	ND	2400	2560	106	63-132	
1,2-Dichloroethane-d4 (S)	%				107	70-130	
4-Bromofluorobenzene (S)	%				99	69-134	
Toluene-d8 (S)	%				99	70-130	

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QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92559635

SAMPLE DUPLICATE: 3389563

Parameter	Units	92559777003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,1-Trichloroethane	ug/kg	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,2-Trichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethene	ug/kg	ND	ND		30	
1,1-Dichloropropene	ug/kg	ND	ND		30	
1,2,3-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,3-Trichloropropane	ug/kg	ND	ND		30	
1,2,4-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,4-Trimethylbenzene	ug/kg	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/kg	ND	ND		30	
1,2-Dichlorobenzene	ug/kg	ND	ND		30	
1,2-Dichloroethane	ug/kg	ND	ND		30	
1,2-Dichloropropane	ug/kg	ND	ND		30	
1,3,5-Trimethylbenzene	ug/kg	ND	ND		30	
1,3-Dichlorobenzene	ug/kg	ND	ND		30	
1,3-Dichloropropane	ug/kg	ND	ND		30	
1,4-Dichlorobenzene	ug/kg	ND	ND		30	
2,2-Dichloropropane	ug/kg	ND	ND		30	
2-Butanone (MEK)	ug/kg	ND	ND		30	v2
2-Chlorotoluene	ug/kg	ND	ND		30	
2-Hexanone	ug/kg	ND	ND		30	v2
4-Chlorotoluene	ug/kg	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND		30	v2
Acetone	ug/kg	ND	ND		30	v2
Benzene	ug/kg	ND	ND		30	
Bromobenzene	ug/kg	ND	ND		30	
Bromochloromethane	ug/kg	ND	ND		30	
Bromodichloromethane	ug/kg	ND	ND		30	
Bromoform	ug/kg	ND	ND		30	
Bromomethane	ug/kg	ND	ND		30	
Carbon tetrachloride	ug/kg	ND	ND		30	
Chlorobenzene	ug/kg	ND	ND		30	
Chloroethane	ug/kg	ND	ND		30	
Chloroform	ug/kg	ND	ND		30	
Chloromethane	ug/kg	ND	ND		30	
cis-1,2-Dichloroethene	ug/kg	ND	ND		30	
cis-1,3-Dichloropropene	ug/kg	ND	ND		30	
Dibromochloromethane	ug/kg	ND	ND		30	
Dibromomethane	ug/kg	ND	ND		30	
Dichlorodifluoromethane	ug/kg	ND	ND		30	
Diisopropyl ether	ug/kg	ND	ND		30	
Ethylbenzene	ug/kg	ND	ND		30	
Hexachloro-1,3-butadiene	ug/kg	ND	ND		30	
Isopropylbenzene (Cumene)	ug/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92559635

SAMPLE DUPLICATE: 3389563

Parameter	Units	92559777003 Result	Dup Result	RPD	Max RPD	Qualifiers
m&p-Xylene	ug/kg	ND	ND		30	
Methyl-tert-butyl ether	ug/kg	20.4	12.6	47	30	C7,D6
Methylene Chloride	ug/kg	ND	ND		30	
n-Butylbenzene	ug/kg	ND	ND		30	
n-Propylbenzene	ug/kg	ND	ND		30	
Naphthalene	ug/kg	ND	ND		30	
o-Xylene	ug/kg	ND	ND		30	
p-Isopropyltoluene	ug/kg	ND	ND		30	
sec-Butylbenzene	ug/kg	ND	ND		30	
Styrene	ug/kg	ND	ND		30	
tert-Butylbenzene	ug/kg	ND	ND		30	
Tetrachloroethene	ug/kg	ND	ND		30	
Toluene	ug/kg	ND	ND		30	
trans-1,2-Dichloroethene	ug/kg	ND	ND		30	
trans-1,3-Dichloropropene	ug/kg	ND	ND		30	
Trichloroethene	ug/kg	ND	ND		30	
Trichlorofluoromethane	ug/kg	ND	ND		30	
Vinyl acetate	ug/kg	ND	ND		30	
Vinyl chloride	ug/kg	ND	ND		30	
Xylene (Total)	ug/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	95	95			
4-Bromofluorobenzene (S)	%	96	97			
Toluene-d8 (S)	%	102	100			

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QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92559635

QC Batch: 645534
QC Batch Method: SW-846
Analysis Method: SW-846
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92559635001, 92559635002

SAMPLE DUPLICATE: 3386402

Parameter	Units	92559283001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	4.7	4.4	6	25	N2

SAMPLE DUPLICATE: 3386609

Parameter	Units	92559684005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%		29.8			N2

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QUALIFIERS

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92559635

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

C7	Analyte is a possible laboratory contaminant (not present in method blank).
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
v2	The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.
v3	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have low bias.

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92559635

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92559635001	**MW-26R (46-48')**	MADEP VPH	645563	MADEP VPH	645580
92559635002	**MW-26R (52-54')**	MADEP VPH	646876	MADEP VPH	646973
92559635001	**MW-26R (46-48')**	EPA 5035A/5030B	646193	EPA 8260D	646208
92559635002	**MW-26R (52-54')**	EPA 5035A/5030B	646193	EPA 8260D	646208
92559635001	**MW-26R (46-48')**	SW-846	645534		
92559635002	**MW-26R (52-54')**	SW-846	645534		

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical™

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MT:

WO# : 92559635

92559635

ALL SHADED A

Company: Apex Companies	Billing Information:
Address: 5900 Northwoods Bus. Pkwy	
Report To: Andrew Street	Email To: andrew.street@apexcos.com
Copy To: tom.naumann@apexcos.com	Site Collection Info/Address: Huntersville - Concord Rd,
Customer Project Name/Number:	State: / County/City: Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET
Phone: Email:	Site/Facility ID #: CPC Huntersville
Collected By (print): Jamie Humphrey	Purchase Order #: Quote #: 2020-L1-2248
Collected By (signature): Jamie Humphrey	Turnaround Date Required: Std
Sample Disposal: [✓] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)
	Compliance Monitoring? [ ] Yes [✓] No
	DW PWS ID #: DW Location Code:
	Immediately Packed on Ice: [✓] Yes [ ] No
	Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: VOCs by 8260D	Analyses: MADEP VPH	Lab Sample # / Comments
MW-26R (46-48')	SL	G	9/3/21	1500				3	X	X	92559635 001
MW-26R (52-54')	SL	G	9/3/21	1505				3	X	X	002

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	(NA)
Custody Signatures Present	(Y)	N	NA
Collector Signature Present	(Y)	N	NA
Bottles Intact	(Y)	N	NA
Correct Bottles	(Y)	N	NA
Sufficient Volume	(Y)	N	NA
Samples Received on Ice	(Y)	N	NA
VOA - Headspace Acceptable	Y	N	(NA)
USDA Regulated Soils	Y	(N)	NA
Samples in Holding Time	(Y)	N	NA
Residual Chlorine Present	Y	N	(NA)
Cl Strips: _____			
Sample pH Acceptable	Y	N	NA
pH Strips: _____			
Sulfide Present	Y	N	NA
Lead Acetate Strips: _____			

LAB USE ONLY:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: (Wet) Blue Dry None

Packing Material Used: BB

Radchem sample(s) screened (<500 cpm): Y N (NA)

SHORT HOLDS PRESENT (<72 hours): Y (N) N/A

Lab Tracking #: 2546702

Samples received via: FEDEX UPS Client (Courier) Pace Courier

Lab Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#: IR9JT064

Cooler 1 Temp Upon Receipt: 5.1 oC

Cooler 1 Therm Corr. Factor: -0 oC

Cooler 1 Corrected Temp: 5.1 oC

Comments:

Relinquished by/Company: (Signature) Jamie Humphrey / Apex	Date/Time: 9/3/21 / 1735	Received by/Company: (Signature) / Apex
Relinquished by/Company: (Signature) / Apex	Date/Time: 09-07-2021/1300	Received by/Company: (Signature) JKC Pace MVL
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)

Date/Time:		Date/Time: 09-07-2021/1000	
Date/Time:		Date/Time: 9-7-21 1300	
Date/Time:		Date/Time:	

MTJL LAB USE ONLY

Table #:

Acctnum:

Template:

Prelogin:

PM:

PB:

Trip Blank Received: Y N (NA)

HCL MeOH TSP Other

Non Conformance(s): YES / (NO)

Page: 1 of: 1

***Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.**

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

****Bottom half of box is to list number of bottles**

Project #

WO# : 92559635

PM: AMB Due Date: 09/14/21

CLIENT: 92-APEX MOOR

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastid Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1																						3							
2																						3							
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

September 17, 2021

Andrew Street
Apex Companies - NC
5900 Northwoods Business Pkwy
Suite 5900-0
Charlotte, NC 28269

RE: Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92560935

Dear Andrew Street:

Enclosed are the analytical results for sample(s) received by the laboratory on September 10, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Charlotte

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angela M. Baioni

Angela Baioni
angela.baioni@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: J Culbreath, Colonial Pipeline Company
Naomi Fretz, APEX Companies, LLC
Robert Hughes, Colonial Pipeline
Cameron Lee, Montrose-EPS
Jamie Moran, APEX Companies, LLC
Jeff Morrison, Colonial Pipeline Company
Tom Naumann, APEX Companies - NC
Joe Nicolette, Montrose-EPS
Kaitlyn Nootens, Apex Companies
Christopher Schultz, Apex Companies
Matt Teixeira, Apex Companies, LLC
Michael Verdon, Colonial Pipeline Company
JM Wyatt, Colonial Pipeline Company

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

CERTIFICATIONS

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92560935

Pace Analytical Services Charlotte
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

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Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92560935

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92560935001	**MW-22R (34-36)**	Solid	09/10/21 15:20	09/10/21 17:00

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

SAMPLE ANALYTE COUNT

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92560935

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92560935001	**MW-22R (34-36)**	MADEP VPH	MAD	6	PASI-C
		EPA 8260D	CL	70	PASI-C
		SW-846	KDF	1	PASI-C

PASI-C = Pace Analytical Services - Charlotte

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ANALYTICAL RESULTS

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92560935

Sample: MW-22R (34-36) **Lab ID: 92560935001** Collected: 09/10/21 15:20 Received: 09/10/21 17:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VPH NC Soil	Analytical Method: MADEP VPH Preparation Method: MADEP VPH Pace Analytical Services - Charlotte								
Total VPH (C5-C12)	**1490**	mg/kg	14.2	14.2	5	09/14/21 17:42	09/15/21 01:07		N2
Aliphatic (C05-C08)	**763**	mg/kg	14.2	14.2	5	09/14/21 17:42	09/15/21 01:07		N2
Aliphatic(C09-C12) Adjusted	**526**	mg/kg	14.2	14.2	5	09/14/21 17:42	09/15/21 01:07		N2
Aromatic (C09-C10)	**198**	mg/kg	14.2	14.2	5	09/14/21 17:42	09/15/21 01:07		N2
Surrogates									
4-Bromofluorobenzene (FID) (S)	137	%	70-130		5	09/14/21 17:42	09/15/21 01:07	460-00-4	S2
4-Bromofluorobenzene (PID) (S)	103	%	70-130		5	09/14/21 17:42	09/15/21 01:07	460-00-4	
8260D/5035A/5030B Volatiles	Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B Pace Analytical Services - Charlotte								
Acetone	ND	ug/kg	1420	455	12.5	09/16/21 17:54	09/17/21 01:41	67-64-1	
Benzene	**1340**	ug/kg	70.9	28.2	12.5	09/16/21 17:54	09/17/21 01:41	71-43-2	
Bromobenzene	ND	ug/kg	70.9	23.1	12.5	09/16/21 17:54	09/17/21 01:41	108-86-1	
Bromochloromethane	ND	ug/kg	70.9	21.0	12.5	09/16/21 17:54	09/17/21 01:41	74-97-5	
Bromodichloromethane	ND	ug/kg	70.9	27.4	12.5	09/16/21 17:54	09/17/21 01:41	75-27-4	
Bromoform	ND	ug/kg	70.9	24.9	12.5	09/16/21 17:54	09/17/21 01:41	75-25-2	
Bromomethane	ND	ug/kg	142	112	12.5	09/16/21 17:54	09/17/21 01:41	74-83-9	
2-Butanone (MEK)	ND	ug/kg	1420	340	12.5	09/16/21 17:54	09/17/21 01:41	78-93-3	
n-Butylbenzene	**3680**	ug/kg	70.9	33.5	12.5	09/16/21 17:54	09/17/21 01:41	104-51-8	
sec-Butylbenzene	ND	ug/kg	70.9	31.2	12.5	09/16/21 17:54	09/17/21 01:41	135-98-8	
tert-Butylbenzene	ND	ug/kg	70.9	25.2	12.5	09/16/21 17:54	09/17/21 01:41	98-06-6	
Carbon tetrachloride	ND	ug/kg	70.9	26.5	12.5	09/16/21 17:54	09/17/21 01:41	56-23-5	
Chlorobenzene	**81.7**	ug/kg	70.9	13.6	12.5	09/16/21 17:54	09/17/21 01:41	108-90-7	
Chloroethane	ND	ug/kg	142	54.7	12.5	09/16/21 17:54	09/17/21 01:41	75-00-3	
Chloroform	ND	ug/kg	70.9	43.1	12.5	09/16/21 17:54	09/17/21 01:41	67-66-3	
Chloromethane	ND	ug/kg	142	59.5	12.5	09/16/21 17:54	09/17/21 01:41	74-87-3	
2-Chlorotoluene	ND	ug/kg	70.9	25.1	12.5	09/16/21 17:54	09/17/21 01:41	95-49-8	
4-Chlorotoluene	ND	ug/kg	70.9	12.5	12.5	09/16/21 17:54	09/17/21 01:41	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	70.9	27.5	12.5	09/16/21 17:54	09/17/21 01:41	96-12-8	
Dibromochloromethane	ND	ug/kg	70.9	39.8	12.5	09/16/21 17:54	09/17/21 01:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	70.9	31.2	12.5	09/16/21 17:54	09/17/21 01:41	106-93-4	
Dibromomethane	ND	ug/kg	70.9	15.2	12.5	09/16/21 17:54	09/17/21 01:41	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	70.9	25.5	12.5	09/16/21 17:54	09/17/21 01:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	70.9	22.0	12.5	09/16/21 17:54	09/17/21 01:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	70.9	18.4	12.5	09/16/21 17:54	09/17/21 01:41	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	142	30.8	12.5	09/16/21 17:54	09/17/21 01:41	75-71-8	
1,1-Dichloroethane	ND	ug/kg	70.9	29.2	12.5	09/16/21 17:54	09/17/21 01:41	75-34-3	
1,2-Dichloroethane	ND	ug/kg	70.9	46.9	12.5	09/16/21 17:54	09/17/21 01:41	107-06-2	
1,1-Dichloroethene	ND	ug/kg	70.9	29.2	12.5	09/16/21 17:54	09/17/21 01:41	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	70.9	24.2	12.5	09/16/21 17:54	09/17/21 01:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	70.9	24.8	12.5	09/16/21 17:54	09/17/21 01:41	156-60-5	
1,2-Dichloropropane	ND	ug/kg	70.9	21.3	12.5	09/16/21 17:54	09/17/21 01:41	78-87-5	
1,3-Dichloropropane	ND	ug/kg	70.9	22.1	12.5	09/16/21 17:54	09/17/21 01:41	142-28-9	
2,2-Dichloropropane	ND	ug/kg	70.9	23.1	12.5	09/16/21 17:54	09/17/21 01:41	594-20-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92560935

Sample: MW-22R (34-36) **Lab ID: 92560935001** Collected: 09/10/21 15:20 Received: 09/10/21 17:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D/5035A/5030B Volatiles	Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B Pace Analytical Services - Charlotte								
1,1-Dichloropropene	ND	ug/kg	70.9	34.0	12.5	09/16/21 17:54	09/17/21 01:41	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	70.9	19.3	12.5	09/16/21 17:54	09/17/21 01:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	70.9	24.4	12.5	09/16/21 17:54	09/17/21 01:41	10061-02-6	
Diisopropyl ether	**65.6J**	ug/kg	70.9	19.1	12.5	09/16/21 17:54	09/17/21 01:41	108-20-3	
Ethylbenzene	**22500**	ug/kg	70.9	33.0	12.5	09/16/21 17:54	09/17/21 01:41	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	142	116	12.5	09/16/21 17:54	09/17/21 01:41	87-68-3	
2-Hexanone	ND	ug/kg	709	68.3	12.5	09/16/21 17:54	09/17/21 01:41	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	70.9	24.1	12.5	09/16/21 17:54	09/17/21 01:41	98-82-8	M1
p-Isopropyltoluene	**2820**	ug/kg	70.9	34.9	12.5	09/16/21 17:54	09/17/21 01:41	99-87-6	
Methylene Chloride	ND	ug/kg	284	194	12.5	09/16/21 17:54	09/17/21 01:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	**2420**	ug/kg	709	68.3	12.5	09/16/21 17:54	09/17/21 01:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	70.9	26.5	12.5	09/16/21 17:54	09/17/21 01:41	1634-04-4	
Naphthalene	**7870**	ug/kg	70.9	37.3	12.5	09/16/21 17:54	09/17/21 01:41	91-20-3	
n-Propylbenzene	**10500**	ug/kg	70.9	25.2	12.5	09/16/21 17:54	09/17/21 01:41	103-65-1	
Styrene	ND	ug/kg	70.9	18.7	12.5	09/16/21 17:54	09/17/21 01:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	70.9	27.2	12.5	09/16/21 17:54	09/17/21 01:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	70.9	18.7	12.5	09/16/21 17:54	09/17/21 01:41	79-34-5	
Tetrachloroethene	ND	ug/kg	70.9	22.4	12.5	09/16/21 17:54	09/17/21 01:41	127-18-4	
Toluene	**46300**	ug/kg	70.9	20.1	12.5	09/16/21 17:54	09/17/21 01:41	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	70.9	57.3	12.5	09/16/21 17:54	09/17/21 01:41	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	70.9	59.5	12.5	09/16/21 17:54	09/17/21 01:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	70.9	36.9	12.5	09/16/21 17:54	09/17/21 01:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	70.9	23.5	12.5	09/16/21 17:54	09/17/21 01:41	79-00-5	
Trichloroethene	ND	ug/kg	70.9	18.3	12.5	09/16/21 17:54	09/17/21 01:41	79-01-6	
Trichlorofluoromethane	ND	ug/kg	70.9	39.0	12.5	09/16/21 17:54	09/17/21 01:41	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	70.9	35.9	12.5	09/16/21 17:54	09/17/21 01:41	96-18-4	
1,2,4-Trimethylbenzene	**60700**	ug/kg	70.9	19.4	12.5	09/16/21 17:54	09/17/21 01:41	95-63-6	
1,3,5-Trimethylbenzene	**18100**	ug/kg	70.9	23.8	12.5	09/16/21 17:54	09/17/21 01:41	108-67-8	
Vinyl acetate	ND	ug/kg	709	51.6	12.5	09/16/21 17:54	09/17/21 01:41	108-05-4	
Vinyl chloride	ND	ug/kg	142	36.0	12.5	09/16/21 17:54	09/17/21 01:41	75-01-4	
Xylene (Total)	**136000**	ug/kg	142	40.4	12.5	09/16/21 17:54	09/17/21 01:41	1330-20-7	MS
m&p-Xylene	**94700**	ug/kg	142	48.5	12.5	09/16/21 17:54	09/17/21 01:41	179601-23-1	M1
o-Xylene	**41100**	ug/kg	70.9	31.3	12.5	09/16/21 17:54	09/17/21 01:41	95-47-6	
Surrogates									
Toluene-d8 (S)	100	%	70-130		12.5	09/16/21 17:54	09/17/21 01:41	2037-26-5	
4-Bromofluorobenzene (S)	99	%	69-134		12.5	09/16/21 17:54	09/17/21 01:41	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		12.5	09/16/21 17:54	09/17/21 01:41	17060-07-0	
Percent Moisture	Analytical Method: SW-846 Pace Analytical Services - Charlotte								
Percent Moisture	**8.8**	%	0.10	0.10	1		09/13/21 17:16		N2

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92560935

QC Batch: 647106
QC Batch Method: MADEP VPH
Analysis Method: MADEP VPH
Analysis Description: VPH NC Soil
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92560935001

METHOD BLANK: 3394237 Matrix: Solid
Associated Lab Samples: 92560935001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (C05-C08)	mg/kg	ND	2.5	2.5	09/14/21 15:07	N2
Aromatic (C09-C10)	mg/kg	ND	2.5	2.5	09/14/21 15:07	N2
4-Bromofluorobenzene (FID) (S)	%	105	70-130		09/14/21 15:07	
4-Bromofluorobenzene (PID) (S)	%	104	70-130		09/14/21 15:07	

LABORATORY CONTROL SAMPLE & LCSD: 3394238 3394239

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	mg/kg	15	15.2	13.0	101	87	70-130	16	25	N2
Aromatic (C09-C10)	mg/kg	5	6.0	5.0	120	100	70-130	18	25	N2
4-Bromofluorobenzene (FID) (S)	%				106	104	70-130			
4-Bromofluorobenzene (PID) (S)	%				101	100	70-130			

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QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92560935

QC Batch: 647761
QC Batch Method: EPA 5035A/5030B
Analysis Method: EPA 8260D
Analysis Description: 8260D 5035A 5030B
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92560935001

METHOD BLANK: 3397733 Matrix: Solid
Associated Lab Samples: 92560935001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	1.9	09/16/21 17:15	
1,1,1-Trichloroethane	ug/kg	ND	5.0	2.6	09/16/21 17:15	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	1.3	09/16/21 17:15	
1,1,2-Trichloroethane	ug/kg	ND	5.0	1.7	09/16/21 17:15	
1,1-Dichloroethane	ug/kg	ND	5.0	2.1	09/16/21 17:15	
1,1-Dichloroethene	ug/kg	ND	5.0	2.1	09/16/21 17:15	
1,1-Dichloropropene	ug/kg	ND	5.0	2.4	09/16/21 17:15	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	4.0	09/16/21 17:15	
1,2,3-Trichloropropane	ug/kg	ND	5.0	2.5	09/16/21 17:15	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	4.2	09/16/21 17:15	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	1.4	09/16/21 17:15	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	1.9	09/16/21 17:15	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	2.2	09/16/21 17:15	
1,2-Dichlorobenzene	ug/kg	ND	5.0	1.8	09/16/21 17:15	
1,2-Dichloroethane	ug/kg	ND	5.0	3.3	09/16/21 17:15	
1,2-Dichloropropane	ug/kg	ND	5.0	1.5	09/16/21 17:15	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	1.7	09/16/21 17:15	
1,3-Dichlorobenzene	ug/kg	ND	5.0	1.6	09/16/21 17:15	
1,3-Dichloropropane	ug/kg	ND	5.0	1.6	09/16/21 17:15	
1,4-Dichlorobenzene	ug/kg	ND	5.0	1.3	09/16/21 17:15	
2,2-Dichloropropane	ug/kg	ND	5.0	1.6	09/16/21 17:15	
2-Butanone (MEK)	ug/kg	ND	100	24.0	09/16/21 17:15	
2-Chlorotoluene	ug/kg	ND	5.0	1.8	09/16/21 17:15	
2-Hexanone	ug/kg	ND	50.0	4.8	09/16/21 17:15	
4-Chlorotoluene	ug/kg	ND	5.0	0.88	09/16/21 17:15	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	4.8	09/16/21 17:15	
Acetone	ug/kg	ND	100	32.1	09/16/21 17:15	
Benzene	ug/kg	ND	5.0	2.0	09/16/21 17:15	
Bromobenzene	ug/kg	ND	5.0	1.6	09/16/21 17:15	
Bromochloromethane	ug/kg	ND	5.0	1.5	09/16/21 17:15	
Bromodichloromethane	ug/kg	ND	5.0	1.9	09/16/21 17:15	
Bromoform	ug/kg	ND	5.0	1.8	09/16/21 17:15	
Bromomethane	ug/kg	ND	10.0	7.9	09/16/21 17:15	
Carbon tetrachloride	ug/kg	ND	5.0	1.9	09/16/21 17:15	
Chlorobenzene	ug/kg	ND	5.0	0.96	09/16/21 17:15	
Chloroethane	ug/kg	ND	10.0	3.9	09/16/21 17:15	
Chloroform	ug/kg	ND	5.0	3.0	09/16/21 17:15	
Chloromethane	ug/kg	ND	10.0	4.2	09/16/21 17:15	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	1.7	09/16/21 17:15	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	1.4	09/16/21 17:15	

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QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92560935

METHOD BLANK: 3397733 Matrix: Solid
Associated Lab Samples: 92560935001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dibromochloromethane	ug/kg	ND	5.0	2.8	09/16/21 17:15	
Dibromomethane	ug/kg	ND	5.0	1.1	09/16/21 17:15	
Dichlorodifluoromethane	ug/kg	ND	10.0	2.2	09/16/21 17:15	
Diisopropyl ether	ug/kg	ND	5.0	1.4	09/16/21 17:15	
Ethylbenzene	ug/kg	ND	5.0	2.3	09/16/21 17:15	
Hexachloro-1,3-butadiene	ug/kg	ND	10.0	8.2	09/16/21 17:15	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	1.7	09/16/21 17:15	
m&p-Xylene	ug/kg	ND	10.0	3.4	09/16/21 17:15	
Methyl-tert-butyl ether	ug/kg	ND	5.0	1.9	09/16/21 17:15	
Methylene Chloride	ug/kg	ND	20.0	13.7	09/16/21 17:15	
n-Butylbenzene	ug/kg	ND	5.0	2.4	09/16/21 17:15	
n-Propylbenzene	ug/kg	ND	5.0	1.8	09/16/21 17:15	
Naphthalene	ug/kg	ND	5.0	2.6	09/16/21 17:15	
o-Xylene	ug/kg	ND	5.0	2.2	09/16/21 17:15	
p-Isopropyltoluene	ug/kg	ND	5.0	2.5	09/16/21 17:15	
sec-Butylbenzene	ug/kg	ND	5.0	2.2	09/16/21 17:15	
Styrene	ug/kg	ND	5.0	1.3	09/16/21 17:15	
tert-Butylbenzene	ug/kg	ND	5.0	1.8	09/16/21 17:15	
Tetrachloroethene	ug/kg	ND	5.0	1.6	09/16/21 17:15	
Toluene	ug/kg	ND	5.0	1.4	09/16/21 17:15	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	1.8	09/16/21 17:15	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	1.7	09/16/21 17:15	
Trichloroethene	ug/kg	ND	5.0	1.3	09/16/21 17:15	
Trichlorofluoromethane	ug/kg	ND	5.0	2.8	09/16/21 17:15	
Vinyl acetate	ug/kg	ND	50.0	3.6	09/16/21 17:15	
Vinyl chloride	ug/kg	ND	10.0	2.5	09/16/21 17:15	
Xylene (Total)	ug/kg	ND	10.0	2.8	09/16/21 17:15	
1,2-Dichloroethane-d4 (S)	%	102	70-130		09/16/21 17:15	
4-Bromofluorobenzene (S)	%	102	69-134		09/16/21 17:15	
Toluene-d8 (S)	%	100	70-130		09/16/21 17:15	

LABORATORY CONTROL SAMPLE: 3397734

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	1250	1230	98	70-130	
1,1,1-Trichloroethane	ug/kg	1250	1190	96	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	1250	1200	96	70-130	
1,1,2-Trichloroethane	ug/kg	1250	1180	94	70-130	
1,1-Dichloroethane	ug/kg	1250	1230	98	70-130	
1,1-Dichloroethene	ug/kg	1250	1280	102	70-130	
1,1-Dichloropropene	ug/kg	1250	1140	91	70-130	
1,2,3-Trichlorobenzene	ug/kg	1250	1220	98	65-130	
1,2,3-Trichloropropane	ug/kg	1250	1220	98	70-130	
1,2,4-Trichlorobenzene	ug/kg	1250	1200	96	68-130	

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QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92560935

LABORATORY CONTROL SAMPLE: 3397734

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1250	1200	96	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	1250	1150	92	70-130	
1,2-Dibromoethane (EDB)	ug/kg	1250	1260	101	70-130	
1,2-Dichlorobenzene	ug/kg	1250	1210	97	70-130	
1,2-Dichloroethane	ug/kg	1250	1150	92	63-130	
1,2-Dichloropropane	ug/kg	1250	1180	94	70-130	
1,3,5-Trimethylbenzene	ug/kg	1250	1240	99	70-130	
1,3-Dichlorobenzene	ug/kg	1250	1220	98	70-130	
1,3-Dichloropropane	ug/kg	1250	1200	96	70-130	
1,4-Dichlorobenzene	ug/kg	1250	1230	98	70-130	
2,2-Dichloropropane	ug/kg	1250	1200	96	66-130	
2-Butanone (MEK)	ug/kg	2500	2200	88	70-130	
2-Chlorotoluene	ug/kg	1250	1230	98	70-130	
2-Hexanone	ug/kg	2500	2340	93	70-130	
4-Chlorotoluene	ug/kg	1250	1220	98	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	2500	2330	93	70-130	
Acetone	ug/kg	2500	2280	91	69-130	
Benzene	ug/kg	1250	1180	95	70-130	
Bromobenzene	ug/kg	1250	1260	100	70-130	
Bromochloromethane	ug/kg	1250	1230	99	70-130	
Bromodichloromethane	ug/kg	1250	1180	95	69-130	
Bromoform	ug/kg	1250	1240	99	70-130	
Bromomethane	ug/kg	1250	1430	114	52-130	
Carbon tetrachloride	ug/kg	1250	1230	99	70-130	
Chlorobenzene	ug/kg	1250	1240	99	70-130	
Chloroethane	ug/kg	1250	1440	115	65-130	
Chloroform	ug/kg	1250	1240	100	70-130	
Chloromethane	ug/kg	1250	1250	100	55-130	
cis-1,2-Dichloroethene	ug/kg	1250	1240	99	70-130	
cis-1,3-Dichloropropene	ug/kg	1250	1180	94	70-130	
Dibromochloromethane	ug/kg	1250	1300	104	70-130	
Dibromomethane	ug/kg	1250	1170	94	70-130	
Dichlorodifluoromethane	ug/kg	1250	1400	112	45-156	
Diisopropyl ether	ug/kg	1250	1130	91	70-130	
Ethylbenzene	ug/kg	1250	1180	94	70-130	
Hexachloro-1,3-butadiene	ug/kg	1250	1360	109	66-130	
Isopropylbenzene (Cumene)	ug/kg	1250	1320	106	70-130	
m&p-Xylene	ug/kg	2500	2470	99	70-130	
Methyl-tert-butyl ether	ug/kg	1250	1080	86	70-130	
Methylene Chloride	ug/kg	1250	1220	98	65-130	
n-Butylbenzene	ug/kg	1250	1220	98	67-130	
n-Propylbenzene	ug/kg	1250	1230	98	70-130	
Naphthalene	ug/kg	1250	1190	95	70-130	
o-Xylene	ug/kg	1250	1250	100	70-130	
p-Isopropyltoluene	ug/kg	1250	1220	98	67-130	
sec-Butylbenzene	ug/kg	1250	1240	99	69-130	
Styrene	ug/kg	1250	1320	106	70-130	

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QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92560935

LABORATORY CONTROL SAMPLE: 3397734

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/kg	1250	1250	100	67-130	
Tetrachloroethene	ug/kg	1250	1230	99	70-130	
Toluene	ug/kg	1250	1170	94	70-130	
trans-1,2-Dichloroethene	ug/kg	1250	1260	101	70-130	
trans-1,3-Dichloropropene	ug/kg	1250	1140	91	68-130	
Trichloroethene	ug/kg	1250	1180	95	70-130	
Trichlorofluoromethane	ug/kg	1250	1260	101	70-130	
Vinyl acetate	ug/kg	2500	2650	106	70-130	
Vinyl chloride	ug/kg	1250	1380	110	61-130	
Xylene (Total)	ug/kg	3750	3720	99	70-130	
1,2-Dichloroethane-d4 (S)	%			92	70-130	
4-Bromofluorobenzene (S)	%			102	69-134	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3397735 3397736

Parameter	Units	92560935001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	7090	7090	6850	7170	97	101	70-131	5	30	
1,1,1-Trichloroethane	ug/kg	ND	7090	7090	7270	7280	103	103	65-133	0	30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	7090	7090	6810	7320	96	103	66-130	7	30	
1,1,2-Trichloroethane	ug/kg	ND	7090	7090	7730	7790	109	110	66-133	1	30	
1,1-Dichloroethane	ug/kg	ND	7090	7090	7460	7480	105	106	65-130	0	30	
1,1-Dichloroethene	ug/kg	ND	7090	7090	7930	8060	112	114	10-158	2	30	
1,1-Dichloropropene	ug/kg	ND	7090	7090	7080	7120	100	100	68-133	1	30	
1,2,3-Trichlorobenzene	ug/kg	ND	7090	7090	7060	7510	100	106	27-138	6	30	
1,2,3-Trichloropropane	ug/kg	ND	7090	7090	6960	7310	98	103	67-130	5	30	
1,2,4-Trichlorobenzene	ug/kg	ND	7090	7090	7210	7510	102	106	51-134	4	30	
1,2,4-Trimethylbenzene	ug/kg	60700	7090	7090	67800	68400	100	109	63-136	1	30	
1,2-Dibromo-3-chloropropane	ug/kg	ND	7090	7090	6970	7500	98	106	32-130	7	30	
1,2-Dibromoethane (EDB)	ug/kg	ND	7090	7090	7040	7190	99	101	70-130	2	30	
1,2-Dichlorobenzene	ug/kg	ND	7090	7090	7310	7520	103	106	69-130	3	30	
1,2-Dichloroethane	ug/kg	ND	7090	7090	6750	6850	95	97	59-130	2	30	
1,2-Dichloropropane	ug/kg	ND	7090	7090	7320	7400	103	104	70-130	1	30	
1,3,5-Trimethylbenzene	ug/kg	18100	7090	7090	25900	26000	109	111	65-137	1	30	
1,3-Dichlorobenzene	ug/kg	ND	7090	7090	7340	7680	104	108	70-130	5	30	
1,3-Dichloropropane	ug/kg	ND	7090	7090	6930	7130	98	101	70-130	3	30	
1,4-Dichlorobenzene	ug/kg	ND	7090	7090	7520	7410	106	105	68-130	1	30	
2,2-Dichloropropane	ug/kg	ND	7090	7090	7290	7270	103	103	32-130	0	30	
2-Butanone (MEK)	ug/kg	ND	14100	14100	15100	15400	107	109	10-136	2	30	
2-Chlorotoluene	ug/kg	ND	7090	7090	9400	9650	133	136	69-141	3	30	
2-Hexanone	ug/kg	ND	14100	14100	14000	15200	98	108	10-144	9	30	
4-Chlorotoluene	ug/kg	ND	7090	7090	8470	8310	120	117	70-132	2	30	
4-Methyl-2-pentanone (MIBK)	ug/kg	2420	14100	14100	15400	16200	91	97	25-143	5	30	

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QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92560935

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3397735 3397736

Parameter	Units	92560935001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acetone	ug/kg	ND	14100	14100	16800	17200	119	121	10-130	2	30	
Benzene	ug/kg	1340	7090	7090	8630	8800	103	105	67-130	2	30	
Bromobenzene	ug/kg	ND	7090	7090	7690	7990	108	113	70-130	4	30	
Bromochloromethane	ug/kg	ND	7090	7090	7610	7640	107	108	69-134	0	30	
Bromodichloromethane	ug/kg	ND	7090	7090	6510	6980	92	99	64-130	7	30	
Bromoform	ug/kg	ND	7090	7090	6260	6730	88	95	62-130	7	30	
Bromomethane	ug/kg	ND	7090	7090	8390	8380	118	118	20-176	0	30	
Carbon tetrachloride	ug/kg	ND	7090	7090	7360	7610	104	107	65-140	3	30	
Chlorobenzene	ug/kg	81.7	7090	7090	7240	7520	101	105	70-130	4	30	
Chloroethane	ug/kg	ND	7090	7090	9090	9150	128	129	10-130	1	30	
Chloroform	ug/kg	ND	7090	7090	7660	7670	108	108	63-130	0	30	
Chloromethane	ug/kg	ND	7090	7090	7360	7510	104	106	58-130	2	30	
cis-1,2-Dichloroethene	ug/kg	ND	7090	7090	7540	7530	106	106	66-130	0	30	
cis-1,3-Dichloropropene	ug/kg	ND	7090	7090	7000	7080	99	100	67-130	1	30	
Dibromochloromethane	ug/kg	ND	7090	7090	6950	7170	98	101	67-130	3	30	
Dibromomethane	ug/kg	ND	7090	7090	6920	7060	98	100	63-131	2	30	
Dichlorodifluoromethane	ug/kg	ND	7090	7090	9090	9090	128	128	44-180	0	30	
Diisopropyl ether	ug/kg	65.6J	7090	7090	6460	6470	90	90	63-130	0	30	
Ethylbenzene	ug/kg	22500	7090	7090	28400	28900	82	90	66-130	2	30	
Hexachloro-1,3-butadiene	ug/kg	ND	7090	7090	8310	8680	117	122	64-150	4	30	
Isopropylbenzene (Cumene)	ug/kg	ND	7090	7090	10100	10400	143	147	69-135	3	30	M1
m&p-Xylene	ug/kg	94700	14100	14100	103000	105000	55	74	60-133	3	30	M1
Methyl-tert-butyl ether	ug/kg	ND	7090	7090	6560	6590	92	93	65-130	1	30	
Methylene Chloride	ug/kg	ND	7090	7090	6940	6800	98	96	61-130	2	30	
n-Butylbenzene	ug/kg	3680	7090	7090	11600	12600	112	126	65-140	8	30	
n-Propylbenzene	ug/kg	10500	7090	7090	17800	18300	103	109	67-140	2	30	
Naphthalene	ug/kg	7870	7090	7090	15500	16000	108	115	15-145	3	30	
o-Xylene	ug/kg	41100	7090	7090	46400	47500	74	90	66-133	2	30	
p-Isopropyltoluene	ug/kg	2820	7090	7090	10300	10400	105	107	56-147	2	30	
sec-Butylbenzene	ug/kg	ND	7090	7090	8810	8990	124	127	65-139	2	30	
Styrene	ug/kg	ND	7090	7090	8670	8920	122	126	70-132	3	30	
tert-Butylbenzene	ug/kg	ND	7090	7090	7110	7950	100	112	62-135	11	30	
Tetrachloroethene	ug/kg	ND	7090	7090	6730	6930	95	98	70-135	3	30	
Toluene	ug/kg	46300	7090	7090	52100	52600	82	89	67-130	1	30	
trans-1,2-Dichloroethene	ug/kg	ND	7090	7090	7630	7740	108	109	69-130	1	30	
trans-1,3-Dichloropropene	ug/kg	ND	7090	7090	6710	6870	95	97	62-130	2	30	
Trichloroethene	ug/kg	ND	7090	7090	7270	7500	103	106	70-135	3	30	
Trichlorofluoromethane	ug/kg	ND	7090	7090	7780	7790	110	110	10-130	0	30	
Vinyl acetate	ug/kg	ND	14100	14100	14400	14500	102	102	53-130	0	30	
Vinyl chloride	ug/kg	ND	7090	7090	8790	8860	124	125	61-148	1	30	
Xylene (Total)	ug/kg	136000	21300	21300	149000	153000	61	79	63-132	3	30	MS
1,2-Dichloroethane-d4 (S)	%						92	95	70-130			
4-Bromofluorobenzene (S)	%						95	97	69-134			
Toluene-d8 (S)	%						98	99	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92560935

QC Batch: 646860
QC Batch Method: SW-846
Analysis Method: SW-846
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92560935001

SAMPLE DUPLICATE: 3393181

Parameter	Units	92560894001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	89.2	89.2	0	25	N2

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92560935

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
S2	Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92560935

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92560935001	**MW-22R (34-36)**	MADEP VPH	647106	MADEP VPH	647149
92560935001	**MW-22R (34-36)**	EPA 5035A/5030B	647761	EPA 8260D	647959
92560935001	**MW-22R (34-36)**	SW-846	646860		

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

WO# : 92560935

92560935

LAB ... r Number or ... Y

Cont...

Company: Apex companies	Billing Information:
Address: 5900 Northwoods Bus. Pkwy Ste O.	
Report To: Andrew Street	Email To: andrew.street@apexcos.com
Copy To: tom.hanmany@apexcos.com	Site Collection Info/Address: Huntersville – concord Rd.
Customer Project Name/Number:	State: / County/City: Time Zone Collected: [ ]PT [ ]MT [ ]CT [ ]ET
Phone: Email:	Site/Facility ID #: CPC Huntersville
Collected By (print): Jamie Humphrey	Purchase Order #: Quote #: 2020-LI-2248
Collected By (signature): James Humphrey	Turnaround Date Required: Std
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)
	Compliance Monitoring? [ ] Yes [X] No
	DW PWS ID #: DW Location Code:
	Immediately Packed on Ice: [X] Yes [ ] No
	Field Filtered (if applicable): [ ] Yes [ ] No Analysis: _____

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: VOCs by 8260D	Analyses: MADEP VPH	Lab Profile/Line
MW-22R (34-36')	SL	G	9/10/21	1520				3	X	X	92560935 001

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y (N)	NA
Custody Signatures Present	Y (N)	NA
Collector Signature Present	Y (N)	NA
Bottles Intact	Y (N)	NA
Correct Bottles	Y (N)	NA
Sufficient Volume	Y (N)	NA
Samples Received on Ice	Y (N)	NA
VOA - Headspace Acceptable	Y (N)	NA
USDA Regulated Soils	Y (N)	NA
Samples in Holding Time	Y (N)	NA
Residual Chlorine Present	Y (N)	NA
Cl Strips: _____		
Sample pH Acceptable	Y (N)	NA
pH Strips: _____		
Sulfide Present	Y (N)	NA
Lead Acetate Strips: _____		

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: BT

Radchem sample(s) screened (<500 cpm): Y (N) NA

SHORT HOLDS PRESENT (<72 hours): Y (N) N/A

Lab Tracking #: 2546676

Samples received via: FEDEX UPS (Client) Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 92506H
Cooler 1 Temp Upon Receipt: 3.3 oC
Cooler 1 Therm Corr. Factor: 0 oC
Cooler 1 Corrected Temp: 3.3 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
James Humphrey/Apex	9/10/21 1700	KS Pace HVL	9/10/21 1700
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 1

***Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.**

Project # 92560935

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

****Bottom half of box is to list number of bottles**

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH >9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9T-40 mL VOA NaHSO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1																					3								
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

September 22, 2021

Andrew Street
Apex Companies - NC
5900 Northwoods Business Pkwy
Suite 5900-0
Charlotte, NC 28269

RE: Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92560989

Dear Andrew Street:

Enclosed are the analytical results for sample(s) received by the laboratory on September 14, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Charlotte

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angela M. Baioni

Angela Baioni
angela.baioni@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: J Culbreath, Colonial Pipeline Company
Naomi Fretz, APEX Companies, LLC
Robert Hughes, Colonial Pipeline
Cameron Lee, Montrose-EPS
Jamie Moran, APEX Companies, LLC
Jeff Morrison, Colonial Pipeline Company
Tom Naumann, APEX Companies - NC
Joe Nicolette, Montrose-EPS
Kaitlyn Nootens, Apex Companies
Christopher Schultz, Apex Companies
Matt Teixeira, Apex Companies, LLC
Michael Verdon, Colonial Pipeline Company
JM Wyatt, Colonial Pipeline Company

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

CERTIFICATIONS

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92560989

Pace Analytical Services Charlotte
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

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SAMPLE SUMMARY

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92560989

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92560989001	**MW-22R (40-42)**	Solid	09/13/21 15:10	09/14/21 10:00

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SAMPLE ANALYTE COUNT

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92560989

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92560989001	**MW-22R (40-42)**	MADEP VPH	MAD	6	PASI-C
		EPA 8260D	CL	70	PASI-C
		SW-846	KDF	1	PASI-C

PASI-C = Pace Analytical Services - Charlotte

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ANALYTICAL RESULTS

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92560989

Sample: MW-22R (40-42) **Lab ID: 92560989001** Collected: 09/13/21 15:10 Received: 09/14/21 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VPH NC Soil	Analytical Method: MADEP VPH Preparation Method: MADEP VPH Pace Analytical Services - Charlotte								
Total VPH (C5-C12)	ND	mg/kg	3.0	3.0	1	09/14/21 15:30	09/15/21 00:10		N2
Aliphatic (C05-C08)	ND	mg/kg	3.0	3.0	1	09/14/21 15:30	09/15/21 00:10		N2
Aliphatic(C09-C12) Adjusted	ND	mg/kg	3.0	3.0	1	09/14/21 15:30	09/15/21 00:10		N2
Aromatic (C09-C10)	ND	mg/kg	3.0	3.0	1	09/14/21 15:30	09/15/21 00:10		N2
Surrogates									
4-Bromofluorobenzene (FID) (S)	103	%	70-130		1	09/14/21 15:30	09/15/21 00:10	460-00-4	
4-Bromofluorobenzene (PID) (S)	104	%	70-130		1	09/14/21 15:30	09/15/21 00:10	460-00-4	
8260D/5035A/5030B Volatiles	Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B Pace Analytical Services - Charlotte								
Acetone	ND	ug/kg	125	40.2	1	09/16/21 18:25	09/17/21 06:03	67-64-1	
Benzene	**36.2**	ug/kg	6.3	2.5	1	09/16/21 18:25	09/17/21 06:03	71-43-2	
Bromobenzene	ND	ug/kg	6.3	2.0	1	09/16/21 18:25	09/17/21 06:03	108-86-1	
Bromochloromethane	ND	ug/kg	6.3	1.9	1	09/16/21 18:25	09/17/21 06:03	74-97-5	
Bromodichloromethane	ND	ug/kg	6.3	2.4	1	09/16/21 18:25	09/17/21 06:03	75-27-4	
Bromoform	ND	ug/kg	6.3	2.2	1	09/16/21 18:25	09/17/21 06:03	75-25-2	
Bromomethane	ND	ug/kg	12.5	9.9	1	09/16/21 18:25	09/17/21 06:03	74-83-9	
2-Butanone (MEK)	ND	ug/kg	125	30.1	1	09/16/21 18:25	09/17/21 06:03	78-93-3	
n-Butylbenzene	ND	ug/kg	6.3	3.0	1	09/16/21 18:25	09/17/21 06:03	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.3	2.8	1	09/16/21 18:25	09/17/21 06:03	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.3	2.2	1	09/16/21 18:25	09/17/21 06:03	98-06-6	
Carbon tetrachloride	ND	ug/kg	6.3	2.3	1	09/16/21 18:25	09/17/21 06:03	56-23-5	
Chlorobenzene	ND	ug/kg	6.3	1.2	1	09/16/21 18:25	09/17/21 06:03	108-90-7	
Chloroethane	ND	ug/kg	12.5	4.8	1	09/16/21 18:25	09/17/21 06:03	75-00-3	
Chloroform	ND	ug/kg	6.3	3.8	1	09/16/21 18:25	09/17/21 06:03	67-66-3	
Chloromethane	ND	ug/kg	12.5	5.3	1	09/16/21 18:25	09/17/21 06:03	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.3	2.2	1	09/16/21 18:25	09/17/21 06:03	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.3	1.1	1	09/16/21 18:25	09/17/21 06:03	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.3	2.4	1	09/16/21 18:25	09/17/21 06:03	96-12-8	
Dibromochloromethane	ND	ug/kg	6.3	3.5	1	09/16/21 18:25	09/17/21 06:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.3	2.8	1	09/16/21 18:25	09/17/21 06:03	106-93-4	
Dibromomethane	ND	ug/kg	6.3	1.3	1	09/16/21 18:25	09/17/21 06:03	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.3	2.3	1	09/16/21 18:25	09/17/21 06:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.3	1.9	1	09/16/21 18:25	09/17/21 06:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.3	1.6	1	09/16/21 18:25	09/17/21 06:03	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	12.5	2.7	1	09/16/21 18:25	09/17/21 06:03	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.3	2.6	1	09/16/21 18:25	09/17/21 06:03	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.3	4.1	1	09/16/21 18:25	09/17/21 06:03	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.3	2.6	1	09/16/21 18:25	09/17/21 06:03	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.3	2.1	1	09/16/21 18:25	09/17/21 06:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.3	2.2	1	09/16/21 18:25	09/17/21 06:03	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.3	1.9	1	09/16/21 18:25	09/17/21 06:03	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.3	2.0	1	09/16/21 18:25	09/17/21 06:03	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.3	2.0	1	09/16/21 18:25	09/17/21 06:03	594-20-7	

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ANALYTICAL RESULTS

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92560989

Sample: MW-22R (40-42) **Lab ID: 92560989001** Collected: 09/13/21 15:10 Received: 09/14/21 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D/5035A/5030B Volatiles	Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B Pace Analytical Services - Charlotte								
1,1-Dichloropropene	ND	ug/kg	6.3	3.0	1	09/16/21 18:25	09/17/21 06:03	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.3	1.7	1	09/16/21 18:25	09/17/21 06:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.3	2.2	1	09/16/21 18:25	09/17/21 06:03	10061-02-6	
Diisopropyl ether	**20.6**	ug/kg	6.3	1.7	1	09/16/21 18:25	09/17/21 06:03	108-20-3	
Ethylbenzene	**15.6**	ug/kg	6.3	2.9	1	09/16/21 18:25	09/17/21 06:03	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	12.5	10.2	1	09/16/21 18:25	09/17/21 06:03	87-68-3	
2-Hexanone	ND	ug/kg	62.6	6.0	1	09/16/21 18:25	09/17/21 06:03	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.3	2.1	1	09/16/21 18:25	09/17/21 06:03	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.3	3.1	1	09/16/21 18:25	09/17/21 06:03	99-87-6	
Methylene Chloride	**19.1J**	ug/kg	25.1	17.2	1	09/16/21 18:25	09/17/21 06:03	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	62.6	6.0	1	09/16/21 18:25	09/17/21 06:03	108-10-1	
Methyl-tert-butyl ether	**4.4J**	ug/kg	6.3	2.3	1	09/16/21 18:25	09/17/21 06:03	1634-04-4	
Naphthalene	**3.7J**	ug/kg	6.3	3.3	1	09/16/21 18:25	09/17/21 06:03	91-20-3	
n-Propylbenzene	ND	ug/kg	6.3	2.2	1	09/16/21 18:25	09/17/21 06:03	103-65-1	
Styrene	ND	ug/kg	6.3	1.7	1	09/16/21 18:25	09/17/21 06:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.3	2.4	1	09/16/21 18:25	09/17/21 06:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.3	1.7	1	09/16/21 18:25	09/17/21 06:03	79-34-5	
Tetrachloroethene	ND	ug/kg	6.3	2.0	1	09/16/21 18:25	09/17/21 06:03	127-18-4	
Toluene	**101**	ug/kg	6.3	1.8	1	09/16/21 18:25	09/17/21 06:03	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.3	5.1	1	09/16/21 18:25	09/17/21 06:03	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.3	5.3	1	09/16/21 18:25	09/17/21 06:03	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.3	3.3	1	09/16/21 18:25	09/17/21 06:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.3	2.1	1	09/16/21 18:25	09/17/21 06:03	79-00-5	
Trichloroethene	ND	ug/kg	6.3	1.6	1	09/16/21 18:25	09/17/21 06:03	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.3	3.4	1	09/16/21 18:25	09/17/21 06:03	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.3	3.2	1	09/16/21 18:25	09/17/21 06:03	96-18-4	
1,2,4-Trimethylbenzene	**10.1**	ug/kg	6.3	1.7	1	09/16/21 18:25	09/17/21 06:03	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.3	2.1	1	09/16/21 18:25	09/17/21 06:03	108-67-8	
Vinyl acetate	ND	ug/kg	62.6	4.6	1	09/16/21 18:25	09/17/21 06:03	108-05-4	
Vinyl chloride	ND	ug/kg	12.5	3.2	1	09/16/21 18:25	09/17/21 06:03	75-01-4	
Xylene (Total)	**73.8**	ug/kg	12.5	3.6	1	09/16/21 18:25	09/17/21 06:03	1330-20-7	
m&p-Xylene	**52.1**	ug/kg	12.5	4.3	1	09/16/21 18:25	09/17/21 06:03	179601-23-1	
o-Xylene	**21.8**	ug/kg	6.3	2.8	1	09/16/21 18:25	09/17/21 06:03	95-47-6	
Surrogates									
Toluene-d8 (S)	100	%	70-130		1	09/16/21 18:25	09/17/21 06:03	2037-26-5	
4-Bromofluorobenzene (S)	98	%	69-134		1	09/16/21 18:25	09/17/21 06:03	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1	09/16/21 18:25	09/17/21 06:03	17060-07-0	
Percent Moisture	Analytical Method: SW-846 Pace Analytical Services - Charlotte								
Percent Moisture	**8.8**	%	0.10	0.10	1		09/14/21 13:59		N2

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92560989

QC Batch: 647106
QC Batch Method: MADEP VPH
Analysis Method: MADEP VPH
Analysis Description: VPH NC Soil
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92560989001

METHOD BLANK: 3394237 Matrix: Solid
Associated Lab Samples: 92560989001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (C05-C08)	mg/kg	ND	2.5	2.5	09/14/21 15:07	N2
Aromatic (C09-C10)	mg/kg	ND	2.5	2.5	09/14/21 15:07	N2
4-Bromofluorobenzene (FID) (S)	%	105	70-130		09/14/21 15:07	
4-Bromofluorobenzene (PID) (S)	%	104	70-130		09/14/21 15:07	

LABORATORY CONTROL SAMPLE & LCSD: 3394238 3394239

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	mg/kg	15	15.2	13.0	101	87	70-130	16	25	N2
Aromatic (C09-C10)	mg/kg	5	6.0	5.0	120	100	70-130	18	25	N2
4-Bromofluorobenzene (FID) (S)	%				106	104	70-130			
4-Bromofluorobenzene (PID) (S)	%				101	100	70-130			

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QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92560989

QC Batch: 647839
QC Batch Method: EPA 5035A/5030B
Analysis Method: EPA 8260D
Analysis Description: 8260D 5035A 5030B
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92560989001

METHOD BLANK: 3398298 Matrix: Solid
Associated Lab Samples: 92560989001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	1.9	09/17/21 05:46	
1,1,1-Trichloroethane	ug/kg	ND	5.0	2.6	09/17/21 05:46	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	1.3	09/17/21 05:46	
1,1,2-Trichloroethane	ug/kg	ND	5.0	1.7	09/17/21 05:46	
1,1-Dichloroethane	ug/kg	ND	5.0	2.1	09/17/21 05:46	
1,1-Dichloroethene	ug/kg	ND	5.0	2.1	09/17/21 05:46	
1,1-Dichloropropene	ug/kg	ND	5.0	2.4	09/17/21 05:46	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	4.0	09/17/21 05:46	
1,2,3-Trichloropropane	ug/kg	ND	5.0	2.5	09/17/21 05:46	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	4.2	09/17/21 05:46	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	1.4	09/17/21 05:46	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	1.9	09/17/21 05:46	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	2.2	09/17/21 05:46	
1,2-Dichlorobenzene	ug/kg	ND	5.0	1.8	09/17/21 05:46	
1,2-Dichloroethane	ug/kg	ND	5.0	3.3	09/17/21 05:46	
1,2-Dichloropropane	ug/kg	ND	5.0	1.5	09/17/21 05:46	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	1.7	09/17/21 05:46	
1,3-Dichlorobenzene	ug/kg	ND	5.0	1.6	09/17/21 05:46	
1,3-Dichloropropane	ug/kg	ND	5.0	1.6	09/17/21 05:46	
1,4-Dichlorobenzene	ug/kg	ND	5.0	1.3	09/17/21 05:46	
2,2-Dichloropropane	ug/kg	ND	5.0	1.6	09/17/21 05:46	
2-Butanone (MEK)	ug/kg	ND	100	24.0	09/17/21 05:46	
2-Chlorotoluene	ug/kg	ND	5.0	1.8	09/17/21 05:46	
2-Hexanone	ug/kg	ND	50.0	4.8	09/17/21 05:46	
4-Chlorotoluene	ug/kg	ND	5.0	0.88	09/17/21 05:46	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	4.8	09/17/21 05:46	
Acetone	ug/kg	ND	100	32.1	09/17/21 05:46	
Benzene	ug/kg	ND	5.0	2.0	09/17/21 05:46	
Bromobenzene	ug/kg	ND	5.0	1.6	09/17/21 05:46	
Bromochloromethane	ug/kg	ND	5.0	1.5	09/17/21 05:46	
Bromodichloromethane	ug/kg	ND	5.0	1.9	09/17/21 05:46	
Bromoform	ug/kg	ND	5.0	1.8	09/17/21 05:46	
Bromomethane	ug/kg	ND	10.0	7.9	09/17/21 05:46	
Carbon tetrachloride	ug/kg	ND	5.0	1.9	09/17/21 05:46	
Chlorobenzene	ug/kg	ND	5.0	0.96	09/17/21 05:46	
Chloroethane	ug/kg	ND	10.0	3.9	09/17/21 05:46	
Chloroform	ug/kg	ND	5.0	3.0	09/17/21 05:46	
Chloromethane	ug/kg	ND	10.0	4.2	09/17/21 05:46	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	1.7	09/17/21 05:46	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	1.4	09/17/21 05:46	

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QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92560989

METHOD BLANK: 3398298 Matrix: Solid
Associated Lab Samples: 92560989001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dibromochloromethane	ug/kg	ND	5.0	2.8	09/17/21 05:46	
Dibromomethane	ug/kg	ND	5.0	1.1	09/17/21 05:46	
Dichlorodifluoromethane	ug/kg	ND	10.0	2.2	09/17/21 05:46	
Diisopropyl ether	ug/kg	ND	5.0	1.4	09/17/21 05:46	
Ethylbenzene	ug/kg	ND	5.0	2.3	09/17/21 05:46	
Hexachloro-1,3-butadiene	ug/kg	ND	10.0	8.2	09/17/21 05:46	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	1.7	09/17/21 05:46	
m&p-Xylene	ug/kg	ND	10.0	3.4	09/17/21 05:46	
Methyl-tert-butyl ether	ug/kg	ND	5.0	1.9	09/17/21 05:46	
Methylene Chloride	ug/kg	ND	20.0	13.7	09/17/21 05:46	
n-Butylbenzene	ug/kg	ND	5.0	2.4	09/17/21 05:46	
n-Propylbenzene	ug/kg	ND	5.0	1.8	09/17/21 05:46	
Naphthalene	ug/kg	ND	5.0	2.6	09/17/21 05:46	
o-Xylene	ug/kg	ND	5.0	2.2	09/17/21 05:46	
p-Isopropyltoluene	ug/kg	ND	5.0	2.5	09/17/21 05:46	
sec-Butylbenzene	ug/kg	ND	5.0	2.2	09/17/21 05:46	
Styrene	ug/kg	ND	5.0	1.3	09/17/21 05:46	
tert-Butylbenzene	ug/kg	ND	5.0	1.8	09/17/21 05:46	
Tetrachloroethene	ug/kg	ND	5.0	1.6	09/17/21 05:46	
Toluene	ug/kg	ND	5.0	1.4	09/17/21 05:46	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	1.8	09/17/21 05:46	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	1.7	09/17/21 05:46	
Trichloroethene	ug/kg	ND	5.0	1.3	09/17/21 05:46	
Trichlorofluoromethane	ug/kg	ND	5.0	2.8	09/17/21 05:46	
Vinyl acetate	ug/kg	ND	50.0	3.6	09/17/21 05:46	
Vinyl chloride	ug/kg	ND	10.0	2.5	09/17/21 05:46	
Xylene (Total)	ug/kg	ND	10.0	2.8	09/17/21 05:46	
1,2-Dichloroethane-d4 (S)	%	96	70-130		09/17/21 05:46	
4-Bromofluorobenzene (S)	%	99	69-134		09/17/21 05:46	
Toluene-d8 (S)	%	100	70-130		09/17/21 05:46	

LABORATORY CONTROL SAMPLE: 3398299

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	1250	1220	97	70-130	
1,1,1-Trichloroethane	ug/kg	1250	1210	97	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	1250	1210	96	70-130	
1,1,2-Trichloroethane	ug/kg	1250	1210	96	70-130	
1,1-Dichloroethane	ug/kg	1250	1260	100	70-130	
1,1-Dichloroethene	ug/kg	1250	1300	104	70-130	
1,1-Dichloropropene	ug/kg	1250	1160	93	70-130	
1,2,3-Trichlorobenzene	ug/kg	1250	1160	93	65-130	
1,2,3-Trichloropropane	ug/kg	1250	1210	97	70-130	
1,2,4-Trichlorobenzene	ug/kg	1250	1140	92	68-130	

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QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92560989

LABORATORY CONTROL SAMPLE: 3398299

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1250	1190	95	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	1250	1150	92	70-130	
1,2-Dibromoethane (EDB)	ug/kg	1250	1250	100	70-130	
1,2-Dichlorobenzene	ug/kg	1250	1210	97	70-130	
1,2-Dichloroethane	ug/kg	1250	1150	92	63-130	
1,2-Dichloropropane	ug/kg	1250	1210	96	70-130	
1,3,5-Trimethylbenzene	ug/kg	1250	1220	97	70-130	
1,3-Dichlorobenzene	ug/kg	1250	1210	97	70-130	
1,3-Dichloropropane	ug/kg	1250	1210	97	70-130	
1,4-Dichlorobenzene	ug/kg	1250	1220	97	70-130	
2,2-Dichloropropane	ug/kg	1250	1100	88	66-130	
2-Butanone (MEK)	ug/kg	2500	2160	87	70-130	
2-Chlorotoluene	ug/kg	1250	1240	99	70-130	
2-Hexanone	ug/kg	2500	2240	90	70-130	
4-Chlorotoluene	ug/kg	1250	1210	97	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	2500	2270	91	70-130	
Acetone	ug/kg	2500	2170	87	69-130	
Benzene	ug/kg	1250	1210	97	70-130	
Bromobenzene	ug/kg	1250	1300	104	70-130	
Bromochloromethane	ug/kg	1250	1300	104	70-130	
Bromodichloromethane	ug/kg	1250	1180	94	69-130	
Bromoform	ug/kg	1250	1210	97	70-130	
Bromomethane	ug/kg	1250	1500	120	52-130	
Carbon tetrachloride	ug/kg	1250	1210	97	70-130	
Chlorobenzene	ug/kg	1250	1210	97	70-130	
Chloroethane	ug/kg	1250	1490	120	65-130	
Chloroform	ug/kg	1250	1270	101	70-130	
Chloromethane	ug/kg	1250	1250	100	55-130	
cis-1,2-Dichloroethene	ug/kg	1250	1250	100	70-130	
cis-1,3-Dichloropropene	ug/kg	1250	1180	94	70-130	
Dibromochloromethane	ug/kg	1250	1280	102	70-130	
Dibromomethane	ug/kg	1250	1220	97	70-130	
Dichlorodifluoromethane	ug/kg	1250	1440	115	45-156	
Diisopropyl ether	ug/kg	1250	1100	88	70-130	
Ethylbenzene	ug/kg	1250	1160	93	70-130	
Hexachloro-1,3-butadiene	ug/kg	1250	1150	92	66-130	
Isopropylbenzene (Cumene)	ug/kg	1250	1280	103	70-130	
m&p-Xylene	ug/kg	2500	2430	97	70-130	
Methyl-tert-butyl ether	ug/kg	1250	1140	91	70-130	
Methylene Chloride	ug/kg	1250	1170	93	65-130	
n-Butylbenzene	ug/kg	1250	1150	92	67-130	
n-Propylbenzene	ug/kg	1250	1230	98	70-130	
Naphthalene	ug/kg	1250	1190	95	70-130	
o-Xylene	ug/kg	1250	1230	98	70-130	
p-Isopropyltoluene	ug/kg	1250	1180	95	67-130	
sec-Butylbenzene	ug/kg	1250	1210	97	69-130	
Styrene	ug/kg	1250	1310	105	70-130	

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QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92560989

LABORATORY CONTROL SAMPLE: 3398299

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/kg	1250	1300	104	67-130	
Tetrachloroethene	ug/kg	1250	1190	96	70-130	
Toluene	ug/kg	1250	1190	96	70-130	
trans-1,2-Dichloroethene	ug/kg	1250	1270	102	70-130	
trans-1,3-Dichloropropene	ug/kg	1250	1160	92	68-130	
Trichloroethene	ug/kg	1250	1200	96	70-130	
Trichlorofluoromethane	ug/kg	1250	1270	101	70-130	
Vinyl acetate	ug/kg	2500	2590	104	70-130	
Vinyl chloride	ug/kg	1250	1430	114	61-130	
Xylene (Total)	ug/kg	3750	3650	97	70-130	
1,2-Dichloroethane-d4 (S)	%			90	70-130	
4-Bromofluorobenzene (S)	%			99	69-134	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 3398301

Parameter	Units	92561050003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	716	629	88	70-131	
1,1,1-Trichloroethane	ug/kg	ND	716	665	93	65-133	
1,1,2,2-Tetrachloroethane	ug/kg	ND	716	620	87	66-130	
1,1,2-Trichloroethane	ug/kg	ND	716	639	89	66-133	
1,1-Dichloroethane	ug/kg	ND	716	673	94	65-130	
1,1-Dichloroethene	ug/kg	ND	716	695	97	10-158	
1,1-Dichloropropene	ug/kg	ND	716	636	89	68-133	
1,2,3-Trichlorobenzene	ug/kg	ND	716	709	99	27-138	
1,2,3-Trichloropropane	ug/kg	ND	716	615	86	67-130	
1,2,4-Trichlorobenzene	ug/kg	ND	716	692	97	51-134	
1,2,4-Trimethylbenzene	ug/kg	ND	716	661	92	63-136	
1,2-Dibromo-3-chloropropane	ug/kg	ND	716	623	87	32-130	
1,2-Dibromoethane (EDB)	ug/kg	ND	716	660	92	70-130	
1,2-Dichlorobenzene	ug/kg	ND	716	678	95	69-130	
1,2-Dichloroethane	ug/kg	ND	716	598	84	59-130	
1,2-Dichloropropane	ug/kg	ND	716	654	91	70-130	
1,3,5-Trimethylbenzene	ug/kg	ND	716	694	97	65-137	
1,3-Dichlorobenzene	ug/kg	ND	716	678	95	70-130	
1,3-Dichloropropane	ug/kg	ND	716	647	90	70-130	
1,4-Dichlorobenzene	ug/kg	ND	716	655	92	68-130	
2,2-Dichloropropane	ug/kg	ND	716	523	73	32-130	
2-Butanone (MEK)	ug/kg	ND	1430	1100	77	10-136	
2-Chlorotoluene	ug/kg	ND	716	684	96	69-141	
2-Hexanone	ug/kg	ND	1430	1120	78	10-144	
4-Chlorotoluene	ug/kg	ND	716	673	94	70-132	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	1430	1130	79	25-143	
Acetone	ug/kg	ND	1430	1050	74	10-130	
Benzene	ug/kg	ND	716	686	96	67-130	

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QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92560989

MATRIX SPIKE SAMPLE: 3398301

Parameter	Units	92561050003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromobenzene	ug/kg	ND	716	684	96	70-130	
Bromochloromethane	ug/kg	ND	716	626	87	69-134	
Bromodichloromethane	ug/kg	ND	716	611	85	64-130	
Bromoform	ug/kg	ND	716	585	82	62-130	
Bromomethane	ug/kg	ND	716	787	110	20-176	
Carbon tetrachloride	ug/kg	ND	716	661	92	65-140	
Chlorobenzene	ug/kg	ND	716	659	92	70-130	
Chloroethane	ug/kg	ND	716	483	67	10-130	
Chloroform	ug/kg	ND	716	679	95	63-130	
Chloromethane	ug/kg	ND	716	677	95	58-130	
cis-1,2-Dichloroethene	ug/kg	ND	716	660	92	66-130	
cis-1,3-Dichloropropene	ug/kg	ND	716	606	85	67-130	
Dibromochloromethane	ug/kg	ND	716	615	86	67-130	
Dibromomethane	ug/kg	ND	716	614	86	63-131	
Dichlorodifluoromethane	ug/kg	ND	716	731	102	44-180	
Diisopropyl ether	ug/kg	ND	716	569	80	63-130	
Ethylbenzene	ug/kg	ND	716	629	88	66-130	
Hexachloro-1,3-butadiene	ug/kg	ND	716	770	108	64-150	
Isopropylbenzene (Cumene)	ug/kg	ND	716	691	97	69-135	
m&p-Xylene	ug/kg	ND	1430	1290	90	60-133	
Methyl-tert-butyl ether	ug/kg	ND	716	592	83	65-130	
Methylene Chloride	ug/kg	ND	716	583	81	61-130	
n-Butylbenzene	ug/kg	ND	716	697	97	65-140	
n-Propylbenzene	ug/kg	ND	716	708	99	67-140	
Naphthalene	ug/kg	ND	716	677	95	15-145	
o-Xylene	ug/kg	ND	716	653	91	66-133	
p-Isopropyltoluene	ug/kg	ND	716	696	97	56-147	
sec-Butylbenzene	ug/kg	ND	716	714	100	65-139	
Styrene	ug/kg	ND	716	664	93	70-132	
tert-Butylbenzene	ug/kg	ND	716	694	97	62-135	
Tetrachloroethene	ug/kg	ND	716	629	88	70-135	
Toluene	ug/kg	ND	716	671	94	67-130	
trans-1,2-Dichloroethene	ug/kg	ND	716	685	96	69-130	
trans-1,3-Dichloropropene	ug/kg	ND	716	595	83	62-130	
Trichloroethene	ug/kg	ND	716	675	94	70-135	
Trichlorofluoromethane	ug/kg	ND	716	464	65	10-130	
Vinyl acetate	ug/kg	ND	1430	1260	88	53-130	
Vinyl chloride	ug/kg	ND	716	751	105	61-148	
Xylene (Total)	ug/kg	ND	2140	1950	91	63-132	
1,2-Dichloroethane-d4 (S)	%				93	70-130	
4-Bromofluorobenzene (S)	%				95	69-134	
Toluene-d8 (S)	%				99	70-130	

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92560989

SAMPLE DUPLICATE: 3398300

Parameter	Units	92561050002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,1-Trichloroethane	ug/kg	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,2-Trichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethene	ug/kg	ND	ND		30	
1,1-Dichloropropene	ug/kg	ND	ND		30	
1,2,3-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,3-Trichloropropane	ug/kg	ND	ND		30	
1,2,4-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,4-Trimethylbenzene	ug/kg	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/kg	ND	ND		30	
1,2-Dichlorobenzene	ug/kg	ND	ND		30	
1,2-Dichloroethane	ug/kg	ND	ND		30	
1,2-Dichloropropane	ug/kg	ND	ND		30	
1,3,5-Trimethylbenzene	ug/kg	ND	ND		30	
1,3-Dichlorobenzene	ug/kg	ND	ND		30	
1,3-Dichloropropane	ug/kg	ND	ND		30	
1,4-Dichlorobenzene	ug/kg	ND	ND		30	
2,2-Dichloropropane	ug/kg	ND	ND		30	
2-Butanone (MEK)	ug/kg	ND	ND		30	
2-Chlorotoluene	ug/kg	ND	ND		30	
2-Hexanone	ug/kg	ND	ND		30	
4-Chlorotoluene	ug/kg	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND		30	
Acetone	ug/kg	ND	ND		30	
Benzene	ug/kg	ND	ND		30	
Bromobenzene	ug/kg	ND	ND		30	
Bromochloromethane	ug/kg	ND	ND		30	
Bromodichloromethane	ug/kg	ND	ND		30	
Bromoform	ug/kg	ND	ND		30	
Bromomethane	ug/kg	ND	ND		30	
Carbon tetrachloride	ug/kg	ND	ND		30	
Chlorobenzene	ug/kg	ND	ND		30	
Chloroethane	ug/kg	ND	ND		30	
Chloroform	ug/kg	ND	ND		30	
Chloromethane	ug/kg	ND	ND		30	
cis-1,2-Dichloroethene	ug/kg	ND	ND		30	
cis-1,3-Dichloropropene	ug/kg	ND	ND		30	
Dibromochloromethane	ug/kg	ND	ND		30	
Dibromomethane	ug/kg	ND	ND		30	
Dichlorodifluoromethane	ug/kg	ND	ND		30	
Diisopropyl ether	ug/kg	ND	ND		30	
Ethylbenzene	ug/kg	ND	ND		30	
Hexachloro-1,3-butadiene	ug/kg	ND	ND		30	
Isopropylbenzene (Cumene)	ug/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92560989

SAMPLE DUPLICATE: 3398300

Parameter	Units	92561050002 Result	Dup Result	RPD	Max RPD	Qualifiers
m&p-Xylene	ug/kg	ND	ND		30	
Methyl-tert-butyl ether	ug/kg	ND	ND		30	
Methylene Chloride	ug/kg	ND	ND		30	
n-Butylbenzene	ug/kg	ND	ND		30	
n-Propylbenzene	ug/kg	ND	ND		30	
Naphthalene	ug/kg	ND	ND		30	
o-Xylene	ug/kg	ND	ND		30	
p-Isopropyltoluene	ug/kg	ND	ND		30	
sec-Butylbenzene	ug/kg	ND	ND		30	
Styrene	ug/kg	ND	ND		30	
tert-Butylbenzene	ug/kg	ND	ND		30	
Tetrachloroethene	ug/kg	ND	ND		30	
Toluene	ug/kg	ND	ND		30	
trans-1,2-Dichloroethene	ug/kg	ND	ND		30	
trans-1,3-Dichloropropene	ug/kg	ND	ND		30	
Trichloroethene	ug/kg	ND	ND		30	
Trichlorofluoromethane	ug/kg	ND	ND		30	
Vinyl acetate	ug/kg	ND	ND		30	
Vinyl chloride	ug/kg	ND	ND		30	
Xylene (Total)	ug/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	93	93			
4-Bromofluorobenzene (S)	%	96	97			
Toluene-d8 (S)	%	100	100			

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QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92560989

QC Batch: 647061
QC Batch Method: SW-846
Analysis Method: SW-846
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92560989001

SAMPLE DUPLICATE: 3393971

Parameter	Units	92560772001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	0.10	0.10	3	25	N2

SAMPLE DUPLICATE: 3393973

Parameter	Units	92560313001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	25.3	26.4	4	25	N2

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(704)875-9092

QUALIFIERS

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92560989

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

C9	Common Laboratory Contaminant.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92560989

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92560989001	**MW-22R (40-42)**	MADEP VPH	647106	MADEP VPH	647149
92560989001	**MW-22R (40-42)**	EPA 5035A/5030B	647839	EPA 8260D	647960
92560989001	**MW-22R (40-42)**	SW-846	647061		

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

WO# : 92560989

92560989

Order Number or

ONLY

Company: Apex Companies	Billing Information:
Address: 5900 Northwoods Bus. Pkwy, Ste O.	
Report To: Andrew Street	Email To: andrew.street@apexcos.com
Copy To: tom.naumann@apexcos.com	Site Collection Info/Address: Huntersville-Concord Rd.
Customer Project Name/Number: CPC Huntersville 2/2018 proj #:	State: NC County/City: Meck Time Zone Collected: [ ] PT [ ] MT [ ] CT [X] ET
Phone: Email:	Site/Facility ID #: CPC Huntersville
Collected By (print): Jamie Humphrey	Purchase Order #: Quote #:
Collected By (signature): Jamie Humphrey	Turnaround Date Required: Std
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)

Compliance Monitoring? [ ] Yes [X] No

DW PWS ID #:

DW Location Code:

Immediately Packed on Ice: [X] Yes [ ] No

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis: _____

Container Preservative Type

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: VOCs by 8260D	Analyses: MADEP VPH
MW-22R(40-42')	SL	G	9/13/21	1510	/	/		3	X	X

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips: _____			
Sample pH Acceptable	Y	N	NA
pH Strips: _____			
Sulfide Present	Y	N	NA
Lead Acetate Strips: _____			

LAB USE ONLY:

Lab Sample # / Comments:

92560989 001

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: (Wet) Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y (N) NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2546684

Samples received via: FEDEX UPS Client Courier (Pace Courier)

Lab Sample Temperature Info:

Temp Blank Received: Y (N) NA

Therm ID#: 92T064

Cooler 1 Temp Upon Receipt: 5.2 oC

Cooler 1 Therm Corr. Factor: 0 oC

Cooler 1 Corrected Temp: 5.1 oC

Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Jamie Humphrey Apex	9/13/21 1715		9/14 1000
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
	9/14 1030	JBPace HVL	9/14/21 1030
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY

Table #:

Acctnum:

Template:

Prelogin:

PM:

PB:

Trip Blank Received: Y (N) NA

HCL MeOH TSP Other

Non Conformance(s): YES / (NO)

Page: _____ of: _____

***Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.**

Project # 92560989

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

****Bottom half of box is to list number of bottles**

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastid Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9R-40 mL VOA HgCl2 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1																						3							
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

September 23, 2021

Andrew Street
Apex Companies - NC
5900 Northwoods Business Pkwy
Suite 5900-0
Charlotte, NC 28269

RE: Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92561548

Dear Andrew Street:

Enclosed are the analytical results for sample(s) received by the laboratory on September 15, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Charlotte

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angela M. Baioni

Angela Baioni
angela.baioni@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: J Culbreath, Colonial Pipeline Company
Naomi Fretz, APEX Companies, LLC
Robert Hughes, Colonial Pipeline
Cameron Lee, Montrose-EPS
Jamie Moran, APEX Companies, LLC
Jeff Morrison, Colonial Pipeline Company
Tom Naumann, APEX Companies - NC
Joe Nicolette, Montrose-EPS
Kaitlyn Nootens, Apex Companies
Christopher Schultz, Apex Companies
Matt Teixeira, Apex Companies, LLC
Michael Verdon, Colonial Pipeline Company
JM Wyatt, Colonial Pipeline Company

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CERTIFICATIONS

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92561548

Pace Analytical Services Charlotte
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

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SAMPLE SUMMARY

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92561548

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92561548001	**RW-83 (24-26)**	Solid	09/14/21 16:40	09/15/21 16:40

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SAMPLE ANALYTE COUNT

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92561548

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92561548001	**RW-83 (24-26)**	MADEP VPH	MAD	7	PASI-C
		EPA 8260D	CL	70	PASI-C
		SW-846	KDF	1	PASI-C

PASI-C = Pace Analytical Services - Charlotte

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ANALYTICAL RESULTS

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92561548

Sample: RW-83 (24-26) **Lab ID: 92561548001** Collected: 09/14/21 16:40 Received: 09/15/21 16:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VPH NC Soil	Analytical Method: MADEP VPH Preparation Method: MADEP VPH Pace Analytical Services - Charlotte								
Total VPH (C5-C12)	**2500**	mg/kg	32.1	32.1	10	09/17/21 18:17	09/18/21 00:47		N2
Aliphatic (C05-C08)	**1400**	mg/kg	32.1	32.1	10	09/17/21 18:17	09/18/21 00:47		N2
Aliphatic (C09-C12)	**1110**	mg/kg	32.1	32.1	10	09/17/21 18:17	09/18/21 00:47		N2
Aliphatic(C09-C12) Adjusted	**764**	mg/kg	32.1	32.1	10	09/17/21 18:17	09/18/21 00:47		N2
Aromatic (C09-C10)	**341**	mg/kg	32.1	32.1	10	09/17/21 18:17	09/18/21 00:47		N2
Surrogates									
4-Bromofluorobenzene (FID) (S)	112	%	70-130		10	09/17/21 18:17	09/18/21 00:47	460-00-4	
4-Bromofluorobenzene (PID) (S)	98	%	70-130		10	09/17/21 18:17	09/18/21 00:47	460-00-4	
8260D/5035A/5030B Volatiles	Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B Pace Analytical Services - Charlotte								
Acetone	ND	ug/kg	6370	2040	50	09/17/21 16:00	09/18/21 02:50	67-64-1	
Benzene	**3890**	ug/kg	318	127	50	09/17/21 16:00	09/18/21 02:50	71-43-2	
Bromobenzene	ND	ug/kg	318	104	50	09/17/21 16:00	09/18/21 02:50	108-86-1	
Bromochloromethane	ND	ug/kg	318	94.2	50	09/17/21 16:00	09/18/21 02:50	74-97-5	
Bromodichloromethane	ND	ug/kg	318	123	50	09/17/21 16:00	09/18/21 02:50	75-27-4	
Bromoform	ND	ug/kg	318	112	50	09/17/21 16:00	09/18/21 02:50	75-25-2	
Bromomethane	ND	ug/kg	637	503	50	09/17/21 16:00	09/18/21 02:50	74-83-9	
2-Butanone (MEK)	ND	ug/kg	6370	1530	50	09/17/21 16:00	09/18/21 02:50	78-93-3	
n-Butylbenzene	**6890**	ug/kg	318	150	50	09/17/21 16:00	09/18/21 02:50	104-51-8	
sec-Butylbenzene	ND	ug/kg	318	140	50	09/17/21 16:00	09/18/21 02:50	135-98-8	
tert-Butylbenzene	**19900**	ug/kg	318	113	50	09/17/21 16:00	09/18/21 02:50	98-06-6	
Carbon tetrachloride	ND	ug/kg	318	119	50	09/17/21 16:00	09/18/21 02:50	56-23-5	
Chlorobenzene	**187J**	ug/kg	318	61.1	50	09/17/21 16:00	09/18/21 02:50	108-90-7	
Chloroethane	ND	ug/kg	637	246	50	09/17/21 16:00	09/18/21 02:50	75-00-3	
Chloroform	ND	ug/kg	318	194	50	09/17/21 16:00	09/18/21 02:50	67-66-3	
Chloromethane	ND	ug/kg	637	267	50	09/17/21 16:00	09/18/21 02:50	74-87-3	
2-Chlorotoluene	ND	ug/kg	318	113	50	09/17/21 16:00	09/18/21 02:50	95-49-8	
4-Chlorotoluene	ND	ug/kg	318	56.3	50	09/17/21 16:00	09/18/21 02:50	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	318	123	50	09/17/21 16:00	09/18/21 02:50	96-12-8	
Dibromochloromethane	ND	ug/kg	318	179	50	09/17/21 16:00	09/18/21 02:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	318	140	50	09/17/21 16:00	09/18/21 02:50	106-93-4	
Dibromomethane	ND	ug/kg	318	68.1	50	09/17/21 16:00	09/18/21 02:50	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	318	115	50	09/17/21 16:00	09/18/21 02:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	318	98.7	50	09/17/21 16:00	09/18/21 02:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	318	82.8	50	09/17/21 16:00	09/18/21 02:50	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	637	138	50	09/17/21 16:00	09/18/21 02:50	75-71-8	
1,1-Dichloroethane	ND	ug/kg	318	131	50	09/17/21 16:00	09/18/21 02:50	75-34-3	
1,2-Dichloroethane	ND	ug/kg	318	211	50	09/17/21 16:00	09/18/21 02:50	107-06-2	
1,1-Dichloroethene	ND	ug/kg	318	131	50	09/17/21 16:00	09/18/21 02:50	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	318	109	50	09/17/21 16:00	09/18/21 02:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	318	111	50	09/17/21 16:00	09/18/21 02:50	156-60-5	
1,2-Dichloropropane	ND	ug/kg	318	95.5	50	09/17/21 16:00	09/18/21 02:50	78-87-5	
1,3-Dichloropropane	ND	ug/kg	318	99.3	50	09/17/21 16:00	09/18/21 02:50	142-28-9	

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ANALYTICAL RESULTS

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92561548

Sample: RW-83 (24-26) **Lab ID: 92561548001** Collected: 09/14/21 16:40 Received: 09/15/21 16:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D/5035A/5030B Volatiles	Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B Pace Analytical Services - Charlotte								
2,2-Dichloropropane	ND	ug/kg	318	104	50	09/17/21 16:00	09/18/21 02:50	594-20-7	
1,1-Dichloropropene	ND	ug/kg	318	153	50	09/17/21 16:00	09/18/21 02:50	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	318	86.6	50	09/17/21 16:00	09/18/21 02:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	318	109	50	09/17/21 16:00	09/18/21 02:50	10061-02-6	
Diisopropyl ether	**278J**	ug/kg	318	85.9	50	09/17/21 16:00	09/18/21 02:50	108-20-3	
Ethylbenzene	**62800**	ug/kg	318	148	50	09/17/21 16:00	09/18/21 02:50	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	637	521	50	09/17/21 16:00	09/18/21 02:50	87-68-3	
2-Hexanone	ND	ug/kg	3180	307	50	09/17/21 16:00	09/18/21 02:50	591-78-6	
Isopropylbenzene (Cumene)	**6740**	ug/kg	318	108	50	09/17/21 16:00	09/18/21 02:50	98-82-8	
p-Isopropyltoluene	**6310**	ug/kg	318	157	50	09/17/21 16:00	09/18/21 02:50	99-87-6	
Methylene Chloride	ND	ug/kg	1270	872	50	09/17/21 16:00	09/18/21 02:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5070**	ug/kg	3180	307	50	09/17/21 16:00	09/18/21 02:50	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	318	119	50	09/17/21 16:00	09/18/21 02:50	1634-04-4	
Naphthalene	**16400**	ug/kg	318	167	50	09/17/21 16:00	09/18/21 02:50	91-20-3	
n-Propylbenzene	**23800**	ug/kg	318	113	50	09/17/21 16:00	09/18/21 02:50	103-65-1	
Styrene	ND	ug/kg	318	84.0	50	09/17/21 16:00	09/18/21 02:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	318	122	50	09/17/21 16:00	09/18/21 02:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	318	84.0	50	09/17/21 16:00	09/18/21 02:50	79-34-5	
Tetrachloroethene	ND	ug/kg	318	101	50	09/17/21 16:00	09/18/21 02:50	127-18-4	
Toluene	**133000**	ug/kg	318	90.4	50	09/17/21 16:00	09/18/21 02:50	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	318	257	50	09/17/21 16:00	09/18/21 02:50	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	318	267	50	09/17/21 16:00	09/18/21 02:50	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	318	166	50	09/17/21 16:00	09/18/21 02:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	318	106	50	09/17/21 16:00	09/18/21 02:50	79-00-5	
Trichloroethene	ND	ug/kg	318	82.1	50	09/17/21 16:00	09/18/21 02:50	79-01-6	
Trichlorofluoromethane	ND	ug/kg	318	175	50	09/17/21 16:00	09/18/21 02:50	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	318	161	50	09/17/21 16:00	09/18/21 02:50	96-18-4	
1,2,4-Trimethylbenzene	**131000**	ug/kg	318	87.2	50	09/17/21 16:00	09/18/21 02:50	95-63-6	
1,3,5-Trimethylbenzene	**38200**	ug/kg	318	107	50	09/17/21 16:00	09/18/21 02:50	108-67-8	
Vinyl acetate	ND	ug/kg	3180	232	50	09/17/21 16:00	09/18/21 02:50	108-05-4	
Vinyl chloride	ND	ug/kg	637	162	50	09/17/21 16:00	09/18/21 02:50	75-01-4	
Xylene (Total)	**374000**	ug/kg	637	181	50	09/17/21 16:00	09/18/21 02:50	1330-20-7	
m&p-Xylene	**262000**	ug/kg	637	218	50	09/17/21 16:00	09/18/21 02:50	179601-23-1	
o-Xylene	**112000**	ug/kg	318	141	50	09/17/21 16:00	09/18/21 02:50	95-47-6	
Surrogates									
Toluene-d8 (S)	101	%	70-130		50	09/17/21 16:00	09/18/21 02:50	2037-26-5	
4-Bromofluorobenzene (S)	100	%	69-134		50	09/17/21 16:00	09/18/21 02:50	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		50	09/17/21 16:00	09/18/21 02:50	17060-07-0	
Percent Moisture	Analytical Method: SW-846 Pace Analytical Services - Charlotte								
Percent Moisture	**12.7**	%	0.10	0.10	1		09/16/21 14:22		N2

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QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92561548

QC Batch: 648224
QC Batch Method: MADEP VPH
Analysis Method: MADEP VPH
Analysis Description: VPH NC Soil
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92561548001

METHOD BLANK: 3399877 Matrix: Solid
Associated Lab Samples: 92561548001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (C05-C08)	mg/kg	ND	2.5	2.5	09/17/21 17:38	N2
Aliphatic (C09-C12)	mg/kg	ND	2.5	2.5	09/17/21 17:38	N2
Aromatic (C09-C10)	mg/kg	ND	2.5	2.5	09/17/21 17:38	N2
4-Bromofluorobenzene (FID) (S)	%	104	70-130		09/17/21 17:38	
4-Bromofluorobenzene (PID) (S)	%	105	70-130		09/17/21 17:38	

LABORATORY CONTROL SAMPLE & LCSD: 3399878 3399879

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	mg/kg	15.1	13.8	13.6	91	90	70-130	1	25	N2
Aliphatic (C09-C12)	mg/kg	15.1	16.3	16.4	108	109	70-130	1	25	N2
Aromatic (C09-C10)	mg/kg	5	5.6	5.3	111	105	70-130	6	25	N2
4-Bromofluorobenzene (FID) (S)	%				106	105	70-130			
4-Bromofluorobenzene (PID) (S)	%				103	102	70-130			

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QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92561548

QC Batch: 648172
QC Batch Method: EPA 5035A/5030B
Analysis Method: EPA 8260D
Analysis Description: 8260D 5035A 5030B
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92561548001

METHOD BLANK: 3399399 Matrix: Solid
Associated Lab Samples: 92561548001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	1.9	09/17/21 18:41	
1,1,1-Trichloroethane	ug/kg	ND	5.0	2.6	09/17/21 18:41	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	1.3	09/17/21 18:41	
1,1,2-Trichloroethane	ug/kg	ND	5.0	1.7	09/17/21 18:41	
1,1-Dichloroethane	ug/kg	ND	5.0	2.1	09/17/21 18:41	
1,1-Dichloroethene	ug/kg	ND	5.0	2.1	09/17/21 18:41	
1,1-Dichloropropene	ug/kg	ND	5.0	2.4	09/17/21 18:41	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	4.0	09/17/21 18:41	
1,2,3-Trichloropropane	ug/kg	ND	5.0	2.5	09/17/21 18:41	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	4.2	09/17/21 18:41	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	1.4	09/17/21 18:41	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	1.9	09/17/21 18:41	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	2.2	09/17/21 18:41	
1,2-Dichlorobenzene	ug/kg	ND	5.0	1.8	09/17/21 18:41	
1,2-Dichloroethane	ug/kg	ND	5.0	3.3	09/17/21 18:41	
1,2-Dichloropropane	ug/kg	ND	5.0	1.5	09/17/21 18:41	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	1.7	09/17/21 18:41	
1,3-Dichlorobenzene	ug/kg	ND	5.0	1.6	09/17/21 18:41	
1,3-Dichloropropane	ug/kg	ND	5.0	1.6	09/17/21 18:41	
1,4-Dichlorobenzene	ug/kg	ND	5.0	1.3	09/17/21 18:41	
2,2-Dichloropropane	ug/kg	ND	5.0	1.6	09/17/21 18:41	
2-Butanone (MEK)	ug/kg	ND	100	24.0	09/17/21 18:41	
2-Chlorotoluene	ug/kg	ND	5.0	1.8	09/17/21 18:41	
2-Hexanone	ug/kg	ND	50.0	4.8	09/17/21 18:41	
4-Chlorotoluene	ug/kg	ND	5.0	0.88	09/17/21 18:41	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	4.8	09/17/21 18:41	
Acetone	ug/kg	ND	100	32.1	09/17/21 18:41	
Benzene	ug/kg	ND	5.0	2.0	09/17/21 18:41	
Bromobenzene	ug/kg	ND	5.0	1.6	09/17/21 18:41	
Bromochloromethane	ug/kg	ND	5.0	1.5	09/17/21 18:41	
Bromodichloromethane	ug/kg	ND	5.0	1.9	09/17/21 18:41	
Bromoform	ug/kg	ND	5.0	1.8	09/17/21 18:41	
Bromomethane	ug/kg	ND	10.0	7.9	09/17/21 18:41	
Carbon tetrachloride	ug/kg	ND	5.0	1.9	09/17/21 18:41	
Chlorobenzene	ug/kg	ND	5.0	0.96	09/17/21 18:41	
Chloroethane	ug/kg	ND	10.0	3.9	09/17/21 18:41	
Chloroform	ug/kg	ND	5.0	3.0	09/17/21 18:41	
Chloromethane	ug/kg	ND	10.0	4.2	09/17/21 18:41	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	1.7	09/17/21 18:41	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	1.4	09/17/21 18:41	

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QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92561548

METHOD BLANK: 3399399 Matrix: Solid
Associated Lab Samples: 92561548001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dibromochloromethane	ug/kg	ND	5.0	2.8	09/17/21 18:41	
Dibromomethane	ug/kg	ND	5.0	1.1	09/17/21 18:41	
Dichlorodifluoromethane	ug/kg	ND	10.0	2.2	09/17/21 18:41	
Diisopropyl ether	ug/kg	ND	5.0	1.4	09/17/21 18:41	
Ethylbenzene	ug/kg	ND	5.0	2.3	09/17/21 18:41	
Hexachloro-1,3-butadiene	ug/kg	ND	10.0	8.2	09/17/21 18:41	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	1.7	09/17/21 18:41	
m&p-Xylene	ug/kg	ND	10.0	3.4	09/17/21 18:41	
Methyl-tert-butyl ether	ug/kg	ND	5.0	1.9	09/17/21 18:41	
Methylene Chloride	ug/kg	ND	20.0	13.7	09/17/21 18:41	
n-Butylbenzene	ug/kg	ND	5.0	2.4	09/17/21 18:41	
n-Propylbenzene	ug/kg	ND	5.0	1.8	09/17/21 18:41	
Naphthalene	ug/kg	ND	5.0	2.6	09/17/21 18:41	
o-Xylene	ug/kg	ND	5.0	2.2	09/17/21 18:41	
p-Isopropyltoluene	ug/kg	ND	5.0	2.5	09/17/21 18:41	
sec-Butylbenzene	ug/kg	ND	5.0	2.2	09/17/21 18:41	
Styrene	ug/kg	ND	5.0	1.3	09/17/21 18:41	
tert-Butylbenzene	ug/kg	ND	5.0	1.8	09/17/21 18:41	
Tetrachloroethene	ug/kg	ND	5.0	1.6	09/17/21 18:41	
Toluene	ug/kg	ND	5.0	1.4	09/17/21 18:41	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	1.8	09/17/21 18:41	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	1.7	09/17/21 18:41	
Trichloroethene	ug/kg	ND	5.0	1.3	09/17/21 18:41	
Trichlorofluoromethane	ug/kg	ND	5.0	2.8	09/17/21 18:41	
Vinyl acetate	ug/kg	ND	50.0	3.6	09/17/21 18:41	
Vinyl chloride	ug/kg	ND	10.0	2.5	09/17/21 18:41	
Xylene (Total)	ug/kg	ND	10.0	2.8	09/17/21 18:41	
1,2-Dichloroethane-d4 (S)	%	99	70-130		09/17/21 18:41	
4-Bromofluorobenzene (S)	%	100	69-134		09/17/21 18:41	
Toluene-d8 (S)	%	100	70-130		09/17/21 18:41	

LABORATORY CONTROL SAMPLE: 3399400

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	1250	1170	93	70-130	
1,1,1-Trichloroethane	ug/kg	1250	1140	91	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	1250	1230	99	70-130	
1,1,2-Trichloroethane	ug/kg	1250	1210	96	70-130	
1,1-Dichloroethane	ug/kg	1250	1190	95	70-130	
1,1-Dichloroethene	ug/kg	1250	1220	98	70-130	
1,1-Dichloropropene	ug/kg	1250	1100	88	70-130	
1,2,3-Trichlorobenzene	ug/kg	1250	1130	91	65-130	
1,2,3-Trichloropropane	ug/kg	1250	1260	100	70-130	
1,2,4-Trichlorobenzene	ug/kg	1250	1130	90	68-130	

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QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92561548

LABORATORY CONTROL SAMPLE: 3399400

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1250	1160	93	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	1250	1210	97	70-130	
1,2-Dibromoethane (EDB)	ug/kg	1250	1230	98	70-130	
1,2-Dichlorobenzene	ug/kg	1250	1190	95	70-130	
1,2-Dichloroethane	ug/kg	1250	1100	88	63-130	
1,2-Dichloropropane	ug/kg	1250	1170	94	70-130	
1,3,5-Trimethylbenzene	ug/kg	1250	1180	94	70-130	
1,3-Dichlorobenzene	ug/kg	1250	1190	95	70-130	
1,3-Dichloropropane	ug/kg	1250	1190	95	70-130	
1,4-Dichlorobenzene	ug/kg	1250	1160	93	70-130	
2,2-Dichloropropane	ug/kg	1250	1160	93	66-130	
2-Butanone (MEK)	ug/kg	2500	2260	90	70-130	
2-Chlorotoluene	ug/kg	1250	1200	96	70-130	
2-Hexanone	ug/kg	2500	2430	97	70-130	
4-Chlorotoluene	ug/kg	1250	1200	96	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	2500	2370	95	70-130	
Acetone	ug/kg	2500	2310	92	69-130	
Benzene	ug/kg	1250	1170	94	70-130	
Bromobenzene	ug/kg	1250	1230	98	70-130	
Bromochloromethane	ug/kg	1250	1260	101	70-130	
Bromodichloromethane	ug/kg	1250	1130	90	69-130	
Bromoform	ug/kg	1250	1210	97	70-130	
Bromomethane	ug/kg	1250	1430	114	52-130	
Carbon tetrachloride	ug/kg	1250	1170	94	70-130	
Chlorobenzene	ug/kg	1250	1200	96	70-130	
Chloroethane	ug/kg	1250	1440	115	65-130	
Chloroform	ug/kg	1250	1220	98	70-130	
Chloromethane	ug/kg	1250	1130	91	55-130	
cis-1,2-Dichloroethene	ug/kg	1250	1200	96	70-130	
cis-1,3-Dichloropropene	ug/kg	1250	1160	93	70-130	
Dibromochloromethane	ug/kg	1250	1230	98	70-130	
Dibromomethane	ug/kg	1250	1190	95	70-130	
Dichlorodifluoromethane	ug/kg	1250	1330	107	45-156	
Diisopropyl ether	ug/kg	1250	1040	83	70-130	
Ethylbenzene	ug/kg	1250	1130	90	70-130	
Hexachloro-1,3-butadiene	ug/kg	1250	1170	93	66-130	
Isopropylbenzene (Cumene)	ug/kg	1250	1250	100	70-130	
m&p-Xylene	ug/kg	2500	2370	95	70-130	
Methyl-tert-butyl ether	ug/kg	1250	1080	87	70-130	
Methylene Chloride	ug/kg	1250	1120	90	65-130	
n-Butylbenzene	ug/kg	1250	1130	90	67-130	
n-Propylbenzene	ug/kg	1250	1190	95	70-130	
Naphthalene	ug/kg	1250	1200	96	70-130	
o-Xylene	ug/kg	1250	1200	96	70-130	
p-Isopropyltoluene	ug/kg	1250	1140	91	67-130	
sec-Butylbenzene	ug/kg	1250	1160	92	69-130	
Styrene	ug/kg	1250	1270	102	70-130	

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REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92561548

LABORATORY CONTROL SAMPLE: 3399400

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/kg	1250	1230	99	67-130	
Tetrachloroethene	ug/kg	1250	1150	92	70-130	
Toluene	ug/kg	1250	1150	92	70-130	
trans-1,2-Dichloroethene	ug/kg	1250	1220	98	70-130	
trans-1,3-Dichloropropene	ug/kg	1250	1150	92	68-130	
Trichloroethene	ug/kg	1250	1170	94	70-130	
Trichlorofluoromethane	ug/kg	1250	1190	95	70-130	
Vinyl acetate	ug/kg	2500	2470	99	70-130	
Vinyl chloride	ug/kg	1250	1310	105	61-130	
Xylene (Total)	ug/kg	3750	3580	95	70-130	
1,2-Dichloroethane-d4 (S)	%			90	70-130	
4-Bromofluorobenzene (S)	%			99	69-134	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 3399402

Parameter	Units	92561532002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	586	763	130	70-131	
1,1,1-Trichloroethane	ug/kg	ND	586	759	129	65-133	
1,1,2,2-Tetrachloroethane	ug/kg	ND	586	683	117	66-130	
1,1,2-Trichloroethane	ug/kg	ND	586	740	126	66-133	
1,1-Dichloroethane	ug/kg	ND	586	771	132	65-130	M1
1,1-Dichloroethene	ug/kg	ND	586	798	136	10-158	
1,1-Dichloropropene	ug/kg	ND	586	738	126	68-133	
1,2,3-Trichlorobenzene	ug/kg	ND	586	814	139	27-138	M1
1,2,3-Trichloropropane	ug/kg	ND	586	688	117	67-130	
1,2,4-Trichlorobenzene	ug/kg	ND	586	801	137	51-134	M1
1,2,4-Trimethylbenzene	ug/kg	9.8	586	804	135	63-136	
1,2-Dibromo-3-chloropropane	ug/kg	ND	586	694	118	32-130	
1,2-Dibromoethane (EDB)	ug/kg	ND	586	761	130	70-130	
1,2-Dichlorobenzene	ug/kg	ND	586	778	133	69-130	M1
1,2-Dichloroethane	ug/kg	ND	586	676	115	59-130	
1,2-Dichloropropane	ug/kg	ND	586	765	131	70-130	M1
1,3,5-Trimethylbenzene	ug/kg	ND	586	825	141	65-137	M1
1,3-Dichlorobenzene	ug/kg	ND	586	776	132	70-130	M1
1,3-Dichloropropane	ug/kg	ND	586	742	127	70-130	
1,4-Dichlorobenzene	ug/kg	ND	586	808	138	68-130	M1
2,2-Dichloropropane	ug/kg	ND	586	643	110	32-130	
2-Butanone (MEK)	ug/kg	ND	1170	1160	97	10-136	
2-Chlorotoluene	ug/kg	ND	586	807	138	69-141	
2-Hexanone	ug/kg	ND	1170	1220	104	10-144	
4-Chlorotoluene	ug/kg	ND	586	791	135	70-132	M1
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	1170	1270	108	25-143	
Acetone	ug/kg	97.2J	1170	1260	99	10-130	
Benzene	ug/kg	ND	586	804	137	67-130	M1

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(704)875-9092

QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92561548

MATRIX SPIKE SAMPLE: 3399402

Parameter	Units	92561532002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromobenzene	ug/kg	ND	586	803	137	70-130	M1
Bromochloromethane	ug/kg	ND	586	739	126	69-134	
Bromodichloromethane	ug/kg	ND	586	707	121	64-130	
Bromoform	ug/kg	ND	586	652	111	62-130	
Bromomethane	ug/kg	ND	586	692	118	20-176	
Carbon tetrachloride	ug/kg	ND	586	788	134	65-140	
Chlorobenzene	ug/kg	ND	586	788	134	70-130	M1
Chloroethane	ug/kg	ND	586	599	102	10-130	
Chloroform	ug/kg	ND	586	772	132	63-130	M1
Chloromethane	ug/kg	ND	586	760	130	58-130	
cis-1,2-Dichloroethene	ug/kg	ND	586	769	131	66-130	M1
cis-1,3-Dichloropropene	ug/kg	ND	586	723	123	67-130	
Dibromochloromethane	ug/kg	ND	586	712	122	67-130	
Dibromomethane	ug/kg	ND	586	713	122	63-131	
Dichlorodifluoromethane	ug/kg	ND	586	822	140	44-180	
Diisopropyl ether	ug/kg	ND	586	651	111	63-130	
Ethylbenzene	ug/kg	4.5J	586	749	127	66-130	
Hexachloro-1,3-butadiene	ug/kg	ND	586	1070	182	64-150	M1
Isopropylbenzene (Cumene)	ug/kg	ND	586	816	139	69-135	M1
m&p-Xylene	ug/kg	18.5	1170	1570	132	60-133	
Methyl-tert-butyl ether	ug/kg	ND	586	684	117	65-130	
Methylene Chloride	ug/kg	ND	586	633	108	61-130	
n-Butylbenzene	ug/kg	ND	586	826	141	65-140	M1
n-Propylbenzene	ug/kg	ND	586	829	142	67-140	M1
Naphthalene	ug/kg	27.3	586	812	134	15-145	
o-Xylene	ug/kg	11.1	586	782	132	66-133	
p-Isopropyltoluene	ug/kg	ND	586	819	140	56-147	
sec-Butylbenzene	ug/kg	ND	586	840	143	65-139	M1
Styrene	ug/kg	ND	586	785	134	70-132	M1
tert-Butylbenzene	ug/kg	ND	586	814	139	62-135	M1
Tetrachloroethene	ug/kg	ND	586	747	127	70-135	
Toluene	ug/kg	13.4	586	785	132	67-130	M1
trans-1,2-Dichloroethene	ug/kg	ND	586	795	136	69-130	M1
trans-1,3-Dichloropropene	ug/kg	ND	586	678	116	62-130	
Trichloroethene	ug/kg	ND	586	776	132	70-135	
Trichlorofluoromethane	ug/kg	ND	586	530	90	10-130	
Vinyl acetate	ug/kg	ND	1170	1470	125	53-130	
Vinyl chloride	ug/kg	ND	586	867	148	61-148	
Xylene (Total)	ug/kg	29.7	1760	2350	132	63-132	
1,2-Dichloroethane-d4 (S)	%				92	70-130	
4-Bromofluorobenzene (S)	%				95	69-134	
Toluene-d8 (S)	%				101	70-130	

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(704)875-9092

QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92561548

SAMPLE DUPLICATE: 3399401

Parameter	Units	92561532001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,1-Trichloroethane	ug/kg	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,2-Trichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethene	ug/kg	ND	ND		30	
1,1-Dichloropropene	ug/kg	ND	ND		30	
1,2,3-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,3-Trichloropropane	ug/kg	ND	ND		30	
1,2,4-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,4-Trimethylbenzene	ug/kg	9.4	10	6	30	
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/kg	ND	ND		30	
1,2-Dichlorobenzene	ug/kg	ND	ND		30	
1,2-Dichloroethane	ug/kg	ND	ND		30	
1,2-Dichloropropane	ug/kg	ND	ND		30	
1,3,5-Trimethylbenzene	ug/kg	ND	ND		30	
1,3-Dichlorobenzene	ug/kg	ND	ND		30	
1,3-Dichloropropane	ug/kg	ND	ND		30	
1,4-Dichlorobenzene	ug/kg	ND	ND		30	
2,2-Dichloropropane	ug/kg	ND	ND		30	
2-Butanone (MEK)	ug/kg	ND	ND		30	
2-Chlorotoluene	ug/kg	ND	ND		30	
2-Hexanone	ug/kg	ND	ND		30	
4-Chlorotoluene	ug/kg	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND		30	
Acetone	ug/kg	ND	ND		30	
Benzene	ug/kg	ND	ND		30	
Bromobenzene	ug/kg	ND	ND		30	
Bromochloromethane	ug/kg	ND	ND		30	
Bromodichloromethane	ug/kg	ND	ND		30	
Bromoform	ug/kg	ND	ND		30	
Bromomethane	ug/kg	ND	ND		30	
Carbon tetrachloride	ug/kg	ND	ND		30	
Chlorobenzene	ug/kg	ND	ND		30	
Chloroethane	ug/kg	ND	ND		30	
Chloroform	ug/kg	ND	ND		30	
Chloromethane	ug/kg	ND	ND		30	
cis-1,2-Dichloroethene	ug/kg	ND	ND		30	
cis-1,3-Dichloropropene	ug/kg	ND	ND		30	
Dibromochloromethane	ug/kg	ND	ND		30	
Dibromomethane	ug/kg	ND	ND		30	
Dichlorodifluoromethane	ug/kg	ND	ND		30	
Diisopropyl ether	ug/kg	ND	ND		30	
Ethylbenzene	ug/kg	5.7J	5.7J		30	
Hexachloro-1,3-butadiene	ug/kg	ND	ND		30	
Isopropylbenzene (Cumene)	ug/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92561548

SAMPLE DUPLICATE: 3399401

Parameter	Units	92561532001 Result	Dup Result	RPD	Max RPD	Qualifiers
m&p-Xylene	ug/kg	23.0	21.9	5	30	
Methyl-tert-butyl ether	ug/kg	ND	ND		30	
Methylene Chloride	ug/kg	ND	ND		30	
n-Butylbenzene	ug/kg	ND	ND		30	
n-Propylbenzene	ug/kg	ND	ND		30	
Naphthalene	ug/kg	23.8	20.4	15	30	
o-Xylene	ug/kg	12.0	13.5	12	30	
p-Isopropyltoluene	ug/kg	ND	ND		30	
sec-Butylbenzene	ug/kg	ND	ND		30	
Styrene	ug/kg	ND	ND		30	
tert-Butylbenzene	ug/kg	ND	ND		30	
Tetrachloroethene	ug/kg	ND	ND		30	
Toluene	ug/kg	19.2	18.4	4	30	
trans-1,2-Dichloroethene	ug/kg	ND	ND		30	
trans-1,3-Dichloropropene	ug/kg	ND	ND		30	
Trichloroethene	ug/kg	ND	ND		30	
Trichlorofluoromethane	ug/kg	ND	ND		30	
Vinyl acetate	ug/kg	ND	ND		30	
Vinyl chloride	ug/kg	ND	ND		30	
Xylene (Total)	ug/kg	35.0	35.4	1	30	
1,2-Dichloroethane-d4 (S)	%	93	98			
4-Bromofluorobenzene (S)	%	97	98			
Toluene-d8 (S)	%	100	102			

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QUALITY CONTROL DATA

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92561548

QC Batch: 647739
QC Batch Method: SW-846
Analysis Method: SW-846
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92561548001

SAMPLE DUPLICATE: 3397591

Parameter	Units	92561471001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	24.7	25.1	2	25	N2

SAMPLE DUPLICATE: 3397592

Parameter	Units	92561574001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.6	14.6	7	25	N2

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(704)875-9092

QUALIFIERS

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92561548

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CPC Huntersville/2020-L1-2448
Pace Project No.: 92561548

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92561548001	**RW-83 (24-26)**	MADEP VPH	648224	MADEP VPH	648227
92561548001	**RW-83 (24-26)**	EPA 5035A/5030B	648172	EPA 8260D	648207
92561548001	**RW-83 (24-26)**	SW-846	647739		

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB U **WO# : 92561548** Number or

92561548

Company: Apex Companies	Billing Information:
Address: 5900 Northwoods Bus. Pkwy Ste O.	
Report To: Andrew Street 3rd 9/14/21	Email To: andrew.street@apexcos.com
Copy To: tom.naumann@apexcos.com	Site Collection Info/Address: Huntersville - Concord Rd.
Customer Project Name/Number:	State: NC County/City: Meck Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET
Phone: Email:	Site/Facility ID #: CPC Huntersville
Collected By (print): Jamie Hemphrey	Purchase Order #: Quote #: 2020-LI-2248
Collected By (signature): Jamie Hemphrey	Turnaround Date Required: Std
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)
	Compliance Monitoring? [ ] Yes [Y] No
	DW PWS ID #: DW Location Code:
	Immediately Packed on Ice: [Y] Yes [ ] No
	Field Filtered (if applicable): [ ] Yes [ ] No Analysis: _____

Container Preservative Type **

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y (N) NA
Custody Signatures Present	(Y) N NA
Collector Signature Present	(Y) N NA
Bottles Intact	(Y) N NA
Correct Bottles	(Y) N NA
Sufficient Volume	(Y) N NA
Samples Received on Ice	(Y) N NA
VOA - Headspace Acceptable	Y N (NA)
USDA Regulated Soils	Y (N) NA
Samples in Holding Time	(Y) N NA
Residual Chlorine Present	Y N (NA)
Cl Strips: _____	
Sample pH Acceptable	Y N (NA)
pH Strips: _____	
Sulfide Present	Y N (NA)
Lead Acetate Strips: _____	

LAB USE ONLY:
Lab Sample # / Comments:
92561548 CM

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	VOCs by 8260D	MADEP VPH
RW-83(24-26')	SL	G	9/14/21	1640	/	/		3	X	X

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: (Wet) Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y (N) N/A

Lab Tracking #: 2546686

Samples received via: FEDEX UPS Client (Courier) Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y (N) NA
Therm ID#: 92706F
Cooler 1 Temp Upon Receipt: 5.2 oC
Cooler 1 Therm Corr. Factor: -0.1 oC
Cooler 1 Corrected Temp: 5.1 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Jamie Hemphrey / Apex	9/14/21 1730	Secure Location / Apex	9/14/21 1730
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
APEX	09-15-21/1640	Pace MS	9-15-21 16:40
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y (N) NA
HCL MeOH TSP Other

Non Conformance(s): YES / (NO)

Page: 1 of: 1

***Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.**

Project # 92561548

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

****Bottom half of box is to list number of bottles**

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1																						3							
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 15, 2021

Andrew Street
Apex Companies - NC
5900 Northwoods Business Pkwy
Suite 5900-0
Charlotte, NC 28269

RE: Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92562698

Dear Andrew Street:

Enclosed are the analytical results for sample(s) received by the laboratory on September 22, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angela M. Baioni

Angela Baioni
angela.baioni@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: J Culbreath, Colonial Pipeline Company
Naomi Fretz, APEX Companies, LLC
Robert Hughes, Colonial Pipeline
Cameron Lee, Montrose-EPS
Jamie Moran, APEX Companies, LLC
Jeff Morrison, Colonial Pipeline Company
Tom Naumann, APEX Companies - NC
Joe Nicolette, Montrose-EPS
Kaitlyn Nootens, Apex Companies
Christopher Schultz, Apex Companies
Matt Teixeira, Apex Companies, LLC
Michael Verdon, Colonial Pipeline Company
JM Wyatt, Colonial Pipeline Company

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92562698

Pace Analytical Services National
12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

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SAMPLE SUMMARY

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92562698

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92562698001	**MW-4D (30-32)**	Solid	09/17/21 16:30	09/22/21 13:20
92562698002	**MW-4D (65-67)**	Solid	09/20/21 14:15	09/22/21 13:20

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SAMPLE ANALYTE COUNT

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92562698

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92562698001	**MW-4D (30-32)**	MADEP VPH	BMB	6	PAN
		EPA 8260D	ADM	71	PAN
		SM 2540G	KDW	1	PAN
92562698002	**MW-4D (65-67)**	MADEP VPH	BMB	6	PAN
		EPA 8260D	ADM	71	PAN
		SM 2540G	KDW	1	PAN

PAN = Pace National - Mt. Juliet

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92562698

Sample: MW-4D (30-32) **Lab ID: 92562698001** Collected: 09/17/21 16:30 Received: 09/22/21 13:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
MADEPV	Analytical Method: MADEP VPH Preparation Method: MADEPV Pace National - Mt. Juliet								
Aliphatic (C05-C08)	ND	ug/kg	7010	2340	1	09/17/21 16:30	10/08/21 20:32		
Aliphatic (C09-C12)	ND	ug/kg	7010	2340	1	09/17/21 16:30	10/08/21 20:32		
Aromatic (C09-C10),Unadjusted	ND	ug/kg	7010	2340	1	09/17/21 16:30	10/08/21 20:32	TPHC9C10A	
Total VPH	ND	ug/kg	7010	2340	1	09/17/21 16:30	10/08/21 20:32	VPH	
Surrogates									
2,5-Dibromotoluene (FID)	111	%	70.0-130		1	09/17/21 16:30	10/08/21 20:32	615-59-8FID	
2,5-Dibromotoluene (PID)	110	%	70.0-130		1	09/17/21 16:30	10/08/21 20:32	615-59-8PID	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 5035A Pace National - Mt. Juliet								
Acetone	ND	ug/kg	70.1	51.2	1	09/17/21 16:30	09/29/21 04:04	67-64-1	
Benzene	ND	ug/kg	1.40	0.655	1	09/17/21 16:30	09/29/21 04:04	71-43-2	
Bromobenzene	ND	ug/kg	17.5	1.26	1	09/17/21 16:30	09/29/21 04:04	108-86-1	
Bromodichloromethane	ND	ug/kg	3.50	1.02	1	09/17/21 16:30	09/29/21 04:04	75-27-4	
Bromoform	ND	ug/kg	35.0	1.64	1	09/17/21 16:30	09/29/21 04:04	75-25-2	
Bromomethane	ND	ug/kg	17.5	2.76	1	09/17/21 16:30	09/29/21 04:04	74-83-9	
n-Butylbenzene	ND	ug/kg	17.5	7.36	1	09/17/21 16:30	09/29/21 04:04	104-51-8	
sec-Butylbenzene	ND	ug/kg	17.5	4.04	1	09/17/21 16:30	09/29/21 04:04	135-98-8	
tert-Butylbenzene	ND	ug/kg	7.01	2.73	1	09/17/21 16:30	09/29/21 04:04	98-06-6	
Carbon tetrachloride	ND	ug/kg	7.01	1.26	1	09/17/21 16:30	09/29/21 04:04	56-23-5	
Chlorobenzene	ND	ug/kg	3.50	0.294	1	09/17/21 16:30	09/29/21 04:04	108-90-7	
Dibromochloromethane	ND	ug/kg	3.50	0.858	1	09/17/21 16:30	09/29/21 04:04	124-48-1	
Chloroethane	ND	ug/kg	7.01	2.38	1	09/17/21 16:30	09/29/21 04:04	75-00-3	
Chloroform	ND	ug/kg	3.50	1.44	1	09/17/21 16:30	09/29/21 04:04	67-66-3	
Chloromethane	ND	ug/kg	17.5	6.10	1	09/17/21 16:30	09/29/21 04:04	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.50	1.21	1	09/17/21 16:30	09/29/21 04:04	95-49-8	
4-Chlorotoluene	ND	ug/kg	7.01	0.631	1	09/17/21 16:30	09/29/21 04:04	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	35.0	5.47	1	09/17/21 16:30	09/29/21 04:04	96-12-8	C3
1,2-Dibromoethane (EDB)	ND	ug/kg	3.50	0.908	1	09/17/21 16:30	09/29/21 04:04	106-93-4	
Dibromomethane	ND	ug/kg	7.01	1.05	1	09/17/21 16:30	09/29/21 04:04	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	7.01	0.596	1	09/17/21 16:30	09/29/21 04:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	7.01	0.841	1	09/17/21 16:30	09/29/21 04:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	7.01	0.981	1	09/17/21 16:30	09/29/21 04:04	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	3.50	2.26	1	09/17/21 16:30	09/29/21 04:04	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.50	0.688	1	09/17/21 16:30	09/29/21 04:04	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.50	0.910	1	09/17/21 16:30	09/29/21 04:04	107-06-2	
1,1-Dichloroethene	ND	ug/kg	3.50	0.849	1	09/17/21 16:30	09/29/21 04:04	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.50	1.03	1	09/17/21 16:30	09/29/21 04:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	7.01	1.46	1	09/17/21 16:30	09/29/21 04:04	156-60-5	
1,2-Dichloropropane	ND	ug/kg	7.01	1.99	1	09/17/21 16:30	09/29/21 04:04	78-87-5	
1,1-Dichloropropene	ND	ug/kg	3.50	1.13	1	09/17/21 16:30	09/29/21 04:04	563-58-6	
1,3-Dichloropropane	ND	ug/kg	7.01	0.702	1	09/17/21 16:30	09/29/21 04:04	142-28-9	
cis-1,3-Dichloropropene	ND	ug/kg	3.50	1.06	1	09/17/21 16:30	09/29/21 04:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	7.01	1.60	1	09/17/21 16:30	09/29/21 04:04	10061-02-6	

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92562698

Sample: MW-4D (30-32) **Lab ID: 92562698001** Collected: 09/17/21 16:30 Received: 09/22/21 13:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 5035A Pace National - Mt. Juliet								
2,2-Dichloropropane	ND	ug/kg	3.50	1.93	1	09/17/21 16:30	09/29/21 04:04	594-20-7	
Diisopropyl ether	ND	ug/kg	1.40	0.575	1	09/17/21 16:30	09/29/21 04:04	108-20-3	
Ethylbenzene	ND	ug/kg	3.50	1.03	1	09/17/21 16:30	09/29/21 04:04	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	35.0	8.41	1	09/17/21 16:30	09/29/21 04:04	87-68-3	
2-Hexanone	ND	ug/kg	35.0	4.71	1	09/17/21 16:30	09/29/21 04:04	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.50	0.596	1	09/17/21 16:30	09/29/21 04:04	98-82-8	
p-Isopropyltoluene	ND	ug/kg	7.01	3.57	1	09/17/21 16:30	09/29/21 04:04	99-87-6	
2-Butanone (MEK)	ND	ug/kg	140	89.0	1	09/17/21 16:30	09/29/21 04:04	78-93-3	
Methylene Chloride	ND	ug/kg	35.0	9.31	1	09/17/21 16:30	09/29/21 04:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	35.0	3.20	1	09/17/21 16:30	09/29/21 04:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	1.40	0.491	1	09/17/21 16:30	09/29/21 04:04	1634-04-4	
Naphthalene	ND	ug/kg	17.5	6.84	1	09/17/21 16:30	09/29/21 04:04	91-20-3	C3
n-Propylbenzene	**1.89J**	ug/kg	7.01	1.33	1	09/17/21 16:30	09/29/21 04:04	103-65-1	J
Styrene	**1.60J**	ug/kg	17.5	0.321	1	09/17/21 16:30	09/29/21 04:04	100-42-5	J
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.50	1.33	1	09/17/21 16:30	09/29/21 04:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.50	0.974	1	09/17/21 16:30	09/29/21 04:04	79-34-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	3.50	1.06	1	09/17/21 16:30	09/29/21 04:04	76-13-1	
Tetrachloroethene	ND	ug/kg	3.50	1.26	1	09/17/21 16:30	09/29/21 04:04	127-18-4	
Toluene	**4.18J**	ug/kg	7.01	1.82	1	09/17/21 16:30	09/29/21 04:04	108-88-3	J
1,2,3-Trichlorobenzene	ND	ug/kg	17.5	10.3	1	09/17/21 16:30	09/29/21 04:04	87-61-6	C4,L0
1,2,4-Trichlorobenzene	ND	ug/kg	17.5	6.17	1	09/17/21 16:30	09/29/21 04:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.50	1.29	1	09/17/21 16:30	09/29/21 04:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.50	0.837	1	09/17/21 16:30	09/29/21 04:04	79-00-5	
Trichloroethene	ND	ug/kg	1.40	0.819	1	09/17/21 16:30	09/29/21 04:04	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.50	1.16	1	09/17/21 16:30	09/29/21 04:04	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	17.5	2.27	1	09/17/21 16:30	09/29/21 04:04	96-18-4	
1,2,4-Trimethylbenzene	**4.95J**	ug/kg	7.01	2.21	1	09/17/21 16:30	09/29/21 04:04	95-63-6	J
1,2,3-Trimethylbenzene	ND	ug/kg	7.01	2.21	1	09/17/21 16:30	09/29/21 04:04	526-73-8	
1,3,5-Trimethylbenzene	ND	ug/kg	7.01	2.80	1	09/17/21 16:30	09/29/21 04:04	108-67-8	
Vinyl acetate	ND	ug/kg	17.5	3.56	1	09/17/21 16:30	09/29/21 04:04	108-05-4	
Vinyl chloride	ND	ug/kg	3.50	1.63	1	09/17/21 16:30	09/29/21 04:04	75-01-4	
o-Xylene	**2.19J**	ug/kg	3.50	1.23	1	09/17/21 16:30	09/29/21 04:04	95-47-6	J
m&p-Xylene	**5.87**	ug/kg	5.61	2.66	1	09/17/21 16:30	09/29/21 04:04	179601-23-1	
Xylene (Total)	**8.06J**	ug/kg	9.11	1.23	1	09/17/21 16:30	09/29/21 04:04	1330-20-7	J
Surrogates									
Toluene-d8 (S)	101	%	75.0-131		1	09/17/21 16:30	09/29/21 04:04	2037-26-5	
4-Bromofluorobenzene (S)	98.7	%	67.0-138		1	09/17/21 16:30	09/29/21 04:04	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70.0-130		1	09/17/21 16:30	09/29/21 04:04	17060-07-0	
Total Solids 2540 G-2011	Analytical Method: SM 2540G Preparation Method: SM 2540 G Pace National - Mt. Juliet								
Total Solids	**83.8**	%			1	09/30/21 15:39	09/30/21 15:47		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92562698

Sample: MW-4D (65-67) **Lab ID: 92562698002** Collected: 09/20/21 14:15 Received: 09/22/21 13:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
MADEPV	Analytical Method: MADEP VPH Preparation Method: MADEPV Pace National - Mt. Juliet								
Aliphatic (C05-C08)	**3000J**	ug/kg	6200	2060	1.06	09/20/21 14:15	10/14/21 11:29		J
Aliphatic (C09-C12)	ND	ug/kg	6200	2060	1.06	09/20/21 14:15	10/14/21 11:29		
Aromatic (C09-C10),Unadjusted	ND	ug/kg	6200	2060	1.06	09/20/21 14:15	10/14/21 11:29	TPHC9C10A	
Total VPH	**3000J**	ug/kg	6200	2060	1.06	09/20/21 14:15	10/14/21 11:29	VPH	J
Surrogates									
2,5-Dibromotoluene (FID)	77.9	%	70.0-130		1.06	09/20/21 14:15	10/14/21 11:29	615-59-8FID	
2,5-Dibromotoluene (PID)	77.2	%	70.0-130		1.06	09/20/21 14:15	10/14/21 11:29	615-59-8PID	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 5035A Pace National - Mt. Juliet								
Acetone	ND	ug/kg	62.0	45.2	1.06	09/20/21 14:15	09/29/21 04:23	67-64-1	
Benzene	ND	ug/kg	1.24	0.579	1.06	09/20/21 14:15	09/29/21 04:23	71-43-2	
Bromobenzene	ND	ug/kg	15.6	1.12	1.06	09/20/21 14:15	09/29/21 04:23	108-86-1	
Bromodichloromethane	ND	ug/kg	3.10	0.899	1.06	09/20/21 14:15	09/29/21 04:23	75-27-4	
Bromoform	ND	ug/kg	31.0	1.45	1.06	09/20/21 14:15	09/29/21 04:23	75-25-2	
Bromomethane	ND	ug/kg	15.6	2.44	1.06	09/20/21 14:15	09/29/21 04:23	74-83-9	
n-Butylbenzene	ND	ug/kg	15.6	6.50	1.06	09/20/21 14:15	09/29/21 04:23	104-51-8	
sec-Butylbenzene	ND	ug/kg	15.6	3.57	1.06	09/20/21 14:15	09/29/21 04:23	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.20	2.42	1.06	09/20/21 14:15	09/29/21 04:23	98-06-6	
Carbon tetrachloride	ND	ug/kg	6.20	1.11	1.06	09/20/21 14:15	09/29/21 04:23	56-23-5	
Chlorobenzene	ND	ug/kg	3.10	0.261	1.06	09/20/21 14:15	09/29/21 04:23	108-90-7	
Dibromochloromethane	ND	ug/kg	3.10	0.759	1.06	09/20/21 14:15	09/29/21 04:23	124-48-1	
Chloroethane	ND	ug/kg	6.20	2.10	1.06	09/20/21 14:15	09/29/21 04:23	75-00-3	
Chloroform	ND	ug/kg	3.10	1.27	1.06	09/20/21 14:15	09/29/21 04:23	67-66-3	
Chloromethane	ND	ug/kg	15.6	5.39	1.06	09/20/21 14:15	09/29/21 04:23	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.10	1.07	1.06	09/20/21 14:15	09/29/21 04:23	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.20	0.558	1.06	09/20/21 14:15	09/29/21 04:23	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	31.0	4.83	1.06	09/20/21 14:15	09/29/21 04:23	96-12-8	C3
1,2-Dibromoethane (EDB)	ND	ug/kg	3.10	0.803	1.06	09/20/21 14:15	09/29/21 04:23	106-93-4	
Dibromomethane	ND	ug/kg	6.20	0.930	1.06	09/20/21 14:15	09/29/21 04:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.20	0.527	1.06	09/20/21 14:15	09/29/21 04:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.20	0.744	1.06	09/20/21 14:15	09/29/21 04:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.20	0.868	1.06	09/20/21 14:15	09/29/21 04:23	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	3.10	2.00	1.06	09/20/21 14:15	09/29/21 04:23	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.10	0.608	1.06	09/20/21 14:15	09/29/21 04:23	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.10	0.804	1.06	09/20/21 14:15	09/29/21 04:23	107-06-2	
1,1-Dichloroethene	ND	ug/kg	3.10	0.751	1.06	09/20/21 14:15	09/29/21 04:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.10	0.910	1.06	09/20/21 14:15	09/29/21 04:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.20	1.29	1.06	09/20/21 14:15	09/29/21 04:23	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.20	1.77	1.06	09/20/21 14:15	09/29/21 04:23	78-87-5	
1,1-Dichloropropene	ND	ug/kg	3.10	1.00	1.06	09/20/21 14:15	09/29/21 04:23	563-58-6	
1,3-Dichloropropane	ND	ug/kg	6.20	0.621	1.06	09/20/21 14:15	09/29/21 04:23	142-28-9	
cis-1,3-Dichloropropene	ND	ug/kg	3.10	0.938	1.06	09/20/21 14:15	09/29/21 04:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.20	1.41	1.06	09/20/21 14:15	09/29/21 04:23	10061-02-6	

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(704)875-9092

ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92562698

Sample: MW-4D (65-67) **Lab ID: 92562698002** Collected: 09/20/21 14:15 Received: 09/22/21 13:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 5035A Pace National - Mt. Juliet								
2,2-Dichloropropane	ND	ug/kg	3.10	1.71	1.06	09/20/21 14:15	09/29/21 04:23	594-20-7	
Diisopropyl ether	ND	ug/kg	1.24	0.509	1.06	09/20/21 14:15	09/29/21 04:23	108-20-3	
Ethylbenzene	ND	ug/kg	3.10	0.913	1.06	09/20/21 14:15	09/29/21 04:23	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	31.0	7.44	1.06	09/20/21 14:15	09/29/21 04:23	87-68-3	
2-Hexanone	ND	ug/kg	31.0	4.16	1.06	09/20/21 14:15	09/29/21 04:23	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.10	0.527	1.06	09/20/21 14:15	09/29/21 04:23	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.20	3.16	1.06	09/20/21 14:15	09/29/21 04:23	99-87-6	
2-Butanone (MEK)	ND	ug/kg	124	78.7	1.06	09/20/21 14:15	09/29/21 04:23	78-93-3	
Methylene Chloride	**8.52J**	ug/kg	31.0	8.23	1.06	09/20/21 14:15	09/29/21 04:23	75-09-2	J
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	31.0	2.83	1.06	09/20/21 14:15	09/29/21 04:23	108-10-1	
Methyl-tert-butyl ether	**1.61**	ug/kg	1.24	0.434	1.06	09/20/21 14:15	09/29/21 04:23	1634-04-4	
Naphthalene	ND	ug/kg	15.6	6.04	1.06	09/20/21 14:15	09/29/21 04:23	91-20-3	C3
n-Propylbenzene	ND	ug/kg	6.20	1.18	1.06	09/20/21 14:15	09/29/21 04:23	103-65-1	
Styrene	ND	ug/kg	15.6	0.284	1.06	09/20/21 14:15	09/29/21 04:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.10	1.17	1.06	09/20/21 14:15	09/29/21 04:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.10	0.862	1.06	09/20/21 14:15	09/29/21 04:23	79-34-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	3.10	0.934	1.06	09/20/21 14:15	09/29/21 04:23	76-13-1	
Tetrachloroethene	ND	ug/kg	3.10	1.11	1.06	09/20/21 14:15	09/29/21 04:23	127-18-4	
Toluene	ND	ug/kg	6.20	1.61	1.06	09/20/21 14:15	09/29/21 04:23	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	15.6	9.08	1.06	09/20/21 14:15	09/29/21 04:23	87-61-6	C4,L0
1,2,4-Trichlorobenzene	ND	ug/kg	15.6	5.45	1.06	09/20/21 14:15	09/29/21 04:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.10	1.14	1.06	09/20/21 14:15	09/29/21 04:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.10	0.740	1.06	09/20/21 14:15	09/29/21 04:23	79-00-5	
Trichloroethene	ND	ug/kg	1.24	0.724	1.06	09/20/21 14:15	09/29/21 04:23	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.10	1.03	1.06	09/20/21 14:15	09/29/21 04:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	15.6	2.01	1.06	09/20/21 14:15	09/29/21 04:23	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	6.20	1.95	1.06	09/20/21 14:15	09/29/21 04:23	95-63-6	
1,2,3-Trimethylbenzene	ND	ug/kg	6.20	1.95	1.06	09/20/21 14:15	09/29/21 04:23	526-73-8	
1,3,5-Trimethylbenzene	ND	ug/kg	6.20	2.48	1.06	09/20/21 14:15	09/29/21 04:23	108-67-8	
Vinyl acetate	ND	ug/kg	15.6	3.15	1.06	09/20/21 14:15	09/29/21 04:23	108-05-4	
Vinyl chloride	ND	ug/kg	3.10	1.44	1.06	09/20/21 14:15	09/29/21 04:23	75-01-4	
o-Xylene	ND	ug/kg	3.10	1.09	1.06	09/20/21 14:15	09/29/21 04:23	95-47-6	
m&p-Xylene	ND	ug/kg	4.96	2.35	1.06	09/20/21 14:15	09/29/21 04:23	179601-23-1	
Xylene (Total)	ND	ug/kg	8.06	1.09	1.06	09/20/21 14:15	09/29/21 04:23	1330-20-7	
Surrogates									
Toluene-d8 (S)	104	%	75.0-131		1.06	09/20/21 14:15	09/29/21 04:23	2037-26-5	
4-Bromofluorobenzene (S)	91.8	%	67.0-138		1.06	09/20/21 14:15	09/29/21 04:23	460-00-4	
1,2-Dichloroethane-d4 (S)	97.4	%	70.0-130		1.06	09/20/21 14:15	09/29/21 04:23	17060-07-0	
Total Solids 2540 G-2011	Analytical Method: SM 2540G Preparation Method: SM 2540 G Pace National - Mt. Juliet								
Total Solids	**92.0**	%			1	09/30/21 15:39	09/30/21 15:47		

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QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92562698

QC Batch: 1751495
QC Batch Method: KS LRH/MADEPV/MTDEQ VPH/VPH
Analysis Method: MADEP VPH
Analysis Description: MADEPV
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92562698001

METHOD BLANK: R3714408-3 Matrix: Solid
Associated Lab Samples: 92562698001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (C05-C08)	ug/kg	2820J	5000	1670	10/08/21 11:12	J
Aliphatic (C09-C12)	ug/kg	ND	5000	1670	10/08/21 11:12	
Aromatic (C09-C10),Unadjusted	ug/kg	ND	5000	1670	10/08/21 11:12	
Total VPH	ug/kg	2820J	5000	1670	10/08/21 11:12	J
2,5-Dibromotoluene (FID)	%	88.8	70.0-130		10/08/21 11:12	
2,5-Dibromotoluene (PID)	%	85.9	70.0-130		10/08/21 11:12	

LABORATORY CONTROL SAMPLE & LCSD: R3714408-1 R3714408-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	ug/kg	60000	54500	53100	90.8	88.5	70.0-130	2.60	25	
Aliphatic (C09-C12)	ug/kg	70000	62800	61800	89.7	88.3	70.0-130	1.61	25	
Aromatic (C09-C10),Unadjusted	ug/kg	10000	8900	8660	89.0	86.6	70.0-130	2.73	25	
Total VPH	ug/kg	140000	126000	124000	90.0	88.6	70.0-130	1.60	25	
2,5-Dibromotoluene (FID)	%				116	116	70.0-130			
2,5-Dibromotoluene (PID)	%				115	114	70.0-130			

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QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92562698

QC Batch: 1756372
QC Batch Method: KS LRH/MADEPV/MTDEQ VPH/VPH
Analysis Method: MADEP VPH
Analysis Description: MADEPV
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92562698002

METHOD BLANK: R3716709-3 Matrix: Solid
Associated Lab Samples: 92562698002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (C05-C08)	ug/kg	ND	5000	1670	10/14/21 09:28	
Aliphatic (C09-C12)	ug/kg	ND	5000	1670	10/14/21 09:28	
Aromatic (C09-C10),Unadjusted	ug/kg	ND	5000	1670	10/14/21 09:28	
Total VPH	ug/kg	ND	5000	1670	10/14/21 09:28	
2,5-Dibromotoluene (FID)	%	96.3	70.0-130		10/14/21 09:28	
2,5-Dibromotoluene (PID)	%	93.6	70.0-130		10/14/21 09:28	

LABORATORY CONTROL SAMPLE & LCSD: R3716709-1 R3716709-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	ug/kg	60000	65800	64300	110	107	70.0-130	2.31	25	
Aliphatic (C09-C12)	ug/kg	70000	72700	70500	104	101	70.0-130	3.07	25	
Aromatic (C09-C10),Unadjusted	ug/kg	10000	12200	11800	122	118	70.0-130	3.33	25	
Total VPH	ug/kg	140000	151000	147000	108	105	70.0-130	2.68	25	
2,5-Dibromotoluene (FID)	%				103	95.9	70.0-130			
2,5-Dibromotoluene (PID)	%				104	96.7	70.0-130			

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QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92562698

QC Batch: 1747884
QC Batch Method: 5035A
Analysis Method: EPA 8260D
Analysis Description: VOA (GC/MS) 8260D
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92562698001, 92562698002

METHOD BLANK: R3709935-3 Matrix: Solid
Associated Lab Samples: 92562698001, 92562698002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acetone	ug/kg	ND	50.0	36.5	09/29/21 03:45	
Benzene	ug/kg	ND	1.00	0.467	09/29/21 03:45	
Bromobenzene	ug/kg	ND	12.5	0.900	09/29/21 03:45	
Bromodichloromethane	ug/kg	ND	2.50	0.725	09/29/21 03:45	
Bromoform	ug/kg	ND	25.0	1.17	09/29/21 03:45	
Bromomethane	ug/kg	ND	12.5	1.97	09/29/21 03:45	
n-Butylbenzene	ug/kg	ND	12.5	5.25	09/29/21 03:45	
sec-Butylbenzene	ug/kg	ND	12.5	2.88	09/29/21 03:45	
tert-Butylbenzene	ug/kg	ND	5.00	1.95	09/29/21 03:45	
Carbon tetrachloride	ug/kg	ND	5.00	0.898	09/29/21 03:45	
Chlorobenzene	ug/kg	ND	2.50	0.210	09/29/21 03:45	
Dibromochloromethane	ug/kg	ND	2.50	0.612	09/29/21 03:45	
Chloroethane	ug/kg	ND	5.00	1.70	09/29/21 03:45	
Chloroform	ug/kg	ND	2.50	1.03	09/29/21 03:45	
Chloromethane	ug/kg	ND	12.5	4.35	09/29/21 03:45	
2-Chlorotoluene	ug/kg	ND	2.50	0.865	09/29/21 03:45	
4-Chlorotoluene	ug/kg	ND	5.00	0.450	09/29/21 03:45	
1,2-Dibromo-3-chloropropane	ug/kg	ND	25.0	3.90	09/29/21 03:45	
1,2-Dibromoethane (EDB)	ug/kg	ND	2.50	0.648	09/29/21 03:45	
Dibromomethane	ug/kg	ND	5.00	0.750	09/29/21 03:45	
1,2-Dichlorobenzene	ug/kg	ND	5.00	0.425	09/29/21 03:45	
1,3-Dichlorobenzene	ug/kg	ND	5.00	0.600	09/29/21 03:45	
1,4-Dichlorobenzene	ug/kg	ND	5.00	0.700	09/29/21 03:45	
Dichlorodifluoromethane	ug/kg	ND	2.50	1.61	09/29/21 03:45	
1,1-Dichloroethane	ug/kg	ND	2.50	0.491	09/29/21 03:45	
1,2-Dichloroethane	ug/kg	ND	2.50	0.649	09/29/21 03:45	
1,1-Dichloroethene	ug/kg	ND	2.50	0.606	09/29/21 03:45	
cis-1,2-Dichloroethene	ug/kg	ND	2.50	0.734	09/29/21 03:45	
trans-1,2-Dichloroethene	ug/kg	ND	5.00	1.04	09/29/21 03:45	
1,2-Dichloropropane	ug/kg	ND	5.00	1.42	09/29/21 03:45	
1,1-Dichloropropene	ug/kg	ND	2.50	0.809	09/29/21 03:45	
1,3-Dichloropropane	ug/kg	ND	5.00	0.501	09/29/21 03:45	
cis-1,3-Dichloropropene	ug/kg	ND	2.50	0.757	09/29/21 03:45	
trans-1,3-Dichloropropene	ug/kg	ND	5.00	1.14	09/29/21 03:45	
2,2-Dichloropropane	ug/kg	ND	2.50	1.38	09/29/21 03:45	
Diisopropyl ether	ug/kg	ND	1.00	0.410	09/29/21 03:45	
Ethylbenzene	ug/kg	ND	2.50	0.737	09/29/21 03:45	
Hexachloro-1,3-butadiene	ug/kg	ND	25.0	6.00	09/29/21 03:45	
2-Hexanone	ug/kg	ND	25.0	3.36	09/29/21 03:45	
Isopropylbenzene (Cumene)	ug/kg	ND	2.50	0.425	09/29/21 03:45	

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QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92562698

METHOD BLANK: R3709935-3 Matrix: Solid
Associated Lab Samples: 92562698001, 92562698002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
p-Isopropyltoluene	ug/kg	ND	5.00	2.55	09/29/21 03:45	
2-Butanone (MEK)	ug/kg	127	100	63.5	09/29/21 03:45	
Methylene Chloride	ug/kg	ND	25.0	6.64	09/29/21 03:45	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	25.0	2.28	09/29/21 03:45	
Methyl-tert-butyl ether	ug/kg	ND	1.00	0.350	09/29/21 03:45	
Naphthalene	ug/kg	ND	12.5	4.88	09/29/21 03:45	
n-Propylbenzene	ug/kg	ND	5.00	0.950	09/29/21 03:45	
Styrene	ug/kg	ND	12.5	0.229	09/29/21 03:45	
1,1,1,2-Tetrachloroethane	ug/kg	ND	2.50	0.948	09/29/21 03:45	
1,1,2,2-Tetrachloroethane	ug/kg	ND	2.50	0.695	09/29/21 03:45	
Tetrachloroethene	ug/kg	ND	2.50	0.896	09/29/21 03:45	
Toluene	ug/kg	ND	5.00	1.30	09/29/21 03:45	
1,1,2-Trichlorotrifluoroethane	ug/kg	ND	2.50	0.754	09/29/21 03:45	
1,2,3-Trichlorobenzene	ug/kg	ND	12.5	7.33	09/29/21 03:45	
1,2,4-Trichlorobenzene	ug/kg	ND	12.5	4.40	09/29/21 03:45	
1,1,1-Trichloroethane	ug/kg	ND	2.50	0.923	09/29/21 03:45	
1,1,2-Trichloroethane	ug/kg	ND	2.50	0.597	09/29/21 03:45	
Trichloroethene	ug/kg	ND	1.00	0.584	09/29/21 03:45	
Trichlorofluoromethane	ug/kg	ND	2.50	0.827	09/29/21 03:45	
1,2,3-Trichloropropane	ug/kg	ND	12.5	1.62	09/29/21 03:45	
1,2,3-Trimethylbenzene	ug/kg	ND	5.00	1.58	09/29/21 03:45	
1,2,4-Trimethylbenzene	ug/kg	ND	5.00	1.58	09/29/21 03:45	
1,3,5-Trimethylbenzene	ug/kg	ND	5.00	2.00	09/29/21 03:45	
Vinyl acetate	ug/kg	ND	12.5	2.54	09/29/21 03:45	
Vinyl chloride	ug/kg	ND	2.50	1.16	09/29/21 03:45	
Xylene (Total)	ug/kg	ND	6.50	0.880	09/29/21 03:45	
o-Xylene	ug/kg	ND	2.50	0.880	09/29/21 03:45	
m&p-Xylene	ug/kg	ND	4.00	1.90	09/29/21 03:45	
Toluene-d8 (S)	%	98.7	75.0-131		09/29/21 03:45	
4-Bromofluorobenzene (S)	%	96.3	67.0-138		09/29/21 03:45	
1,2-Dichloroethane-d4 (S)	%	106	70.0-130		09/29/21 03:45	

LABORATORY CONTROL SAMPLE & LCSD: R3709935-1 R3709935-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acetone	ug/kg	625	623	733	99.7	117	10.0-160	16.2	31	
Benzene	ug/kg	125	122	126	97.6	101	70.0-123	3.23	20	
Bromobenzene	ug/kg	125	123	127	98.4	102	73.0-121	3.20	20	
Bromodichloromethane	ug/kg	125	132	134	106	107	73.0-121	1.50	20	
Bromoform	ug/kg	125	110	113	88.0	90.4	64.0-132	2.69	20	
Bromomethane	ug/kg	125	125	131	100	105	56.0-147	4.69	20	
n-Butylbenzene	ug/kg	125	109	111	87.2	88.8	68.0-135	1.82	20	
sec-Butylbenzene	ug/kg	125	115	117	92.0	93.6	74.0-130	1.72	20	
tert-Butylbenzene	ug/kg	125	119	123	95.2	98.4	75.0-127	3.31	20	

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REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92562698

LABORATORY CONTROL SAMPLE & LCSD: R3709935-1 R3709935-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Carbon tetrachloride	ug/kg	125	127	130	102	104	66.0-128	2.33	20	
Chlorobenzene	ug/kg	125	116	114	92.8	91.2	76.0-128	1.74	20	
Dibromochloromethane	ug/kg	125	114	113	91.2	90.4	74.0-127	0.881	20	
Chloroethane	ug/kg	125	123	126	98.4	101	61.0-134	2.41	20	
Chloroform	ug/kg	125	127	129	102	103	72.0-123	1.56	20	
Chloromethane	ug/kg	125	118	125	94.4	100	51.0-138	5.76	20	
2-Chlorotoluene	ug/kg	125	124	121	99.2	96.8	75.0-124	2.45	20	
4-Chlorotoluene	ug/kg	125	122	122	97.6	97.6	75.0-124	0.00	20	
1,2-Dibromo-3-chloropropane	ug/kg	125	97.4	104	77.9	83.2	59.0-130	6.55	20	
1,2-Dibromoethane (EDB)	ug/kg	125	119	121	95.2	96.8	74.0-128	1.67	20	
Dibromomethane	ug/kg	125	126	124	101	99.2	75.0-122	1.60	20	
1,2-Dichlorobenzene	ug/kg	125	119	121	95.2	96.8	76.0-124	1.67	20	
1,3-Dichlorobenzene	ug/kg	125	116	118	92.8	94.4	76.0-125	1.71	20	
1,4-Dichlorobenzene	ug/kg	125	115	115	92.0	92.0	77.0-121	0.00	20	
Dichlorodifluoromethane	ug/kg	125	119	104	95.2	83.2	43.0-156	13.5	20	
1,1-Dichloroethane	ug/kg	125	126	133	101	106	70.0-127	5.41	20	
1,2-Dichloroethane	ug/kg	125	131	136	105	109	65.0-131	3.75	20	
1,1-Dichloroethene	ug/kg	125	129	128	103	102	65.0-131	0.778	20	
cis-1,2-Dichloroethene	ug/kg	125	126	126	101	101	73.0-125	0.00	20	
trans-1,2-Dichloroethene	ug/kg	125	126	130	101	104	71.0-125	3.12	20	
1,2-Dichloropropane	ug/kg	125	133	135	106	108	74.0-125	1.49	20	
1,1-Dichloropropene	ug/kg	125	126	129	101	103	73.0-125	2.35	20	
1,3-Dichloropropane	ug/kg	125	121	121	96.8	96.8	80.0-125	0.00	20	
cis-1,3-Dichloropropene	ug/kg	125	129	131	103	105	76.0-127	1.54	20	
trans-1,3-Dichloropropene	ug/kg	125	127	126	102	101	73.0-127	0.791	20	
2,2-Dichloropropane	ug/kg	125	108	113	86.4	90.4	59.0-135	4.52	20	
Diisopropyl ether	ug/kg	125	131	135	105	108	60.0-136	3.01	20	
Ethylbenzene	ug/kg	125	115	119	92.0	95.2	74.0-126	3.42	20	
Hexachloro-1,3-butadiene	ug/kg	125	103	111	82.4	88.8	57.0-150	7.48	20	
2-Hexanone	ug/kg	625	676	671	108	107	54.0-147	0.742	20	
Isopropylbenzene (Cumene)	ug/kg	125	116	119	92.8	95.2	72.0-127	2.55	20	
p-Isopropyltoluene	ug/kg	125	120	122	96.0	97.6	72.0-133	1.65	20	
2-Butanone (MEK)	ug/kg	625	620	691	99.2	111	30.0-160	10.8	24	
Methylene Chloride	ug/kg	125	112	118	89.6	94.4	68.0-123	5.22	20	
4-Methyl-2-pentanone (MIBK)	ug/kg	625	652	659	104	105	56.0-143	1.07	20	
Methyl-tert-butyl ether	ug/kg	125	125	135	100	108	66.0-132	7.69	20	
Naphthalene	ug/kg	125	96.4	94.6	77.1	75.7	59.0-130	1.88	20	
n-Propylbenzene	ug/kg	125	120	122	96.0	97.6	74.0-126	1.65	20	
Styrene	ug/kg	125	125	123	100	98.4	72.0-127	1.61	20	
1,1,1,2-Tetrachloroethane	ug/kg	125	114	119	91.2	95.2	74.0-129	4.29	20	
1,1,2,2-Tetrachloroethane	ug/kg	125	120	120	96.0	96.0	68.0-128	0.00	20	
Tetrachloroethene	ug/kg	125	105	111	84.0	88.8	70.0-136	5.56	20	
Toluene	ug/kg	125	119	116	95.2	92.8	75.0-121	2.55	20	
1,1,2-Trichlorotrifluoroethane	ug/kg	125	102	114	81.6	91.2	61.0-139	11.1	20	
1,2,3-Trichlorobenzene	ug/kg	125	71.3	74.1	57.0	59.3	59.0-139	3.85	20	L0
1,2,4-Trichlorobenzene	ug/kg	125	102	100	81.6	80.0	62.0-137	1.98	20	
1,1,1-Trichloroethane	ug/kg	125	130	129	104	103	69.0-126	0.772	20	

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QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92562698

LABORATORY CONTROL SAMPLE & LCSD: R3709935-1 R3709935-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,2-Trichloroethane	ug/kg	125	121	120	96.8	96.0	78.0-123	0.830	20	
Trichloroethene	ug/kg	125	128	131	102	105	76.0-126	2.32	20	
Trichlorofluoromethane	ug/kg	125	123	132	98.4	106	61.0-142	7.06	20	
1,2,3-Trichloropropane	ug/kg	125	129	125	103	100	67.0-129	3.15	20	
1,2,3-Trimethylbenzene	ug/kg	125	113	113	90.4	90.4	74.0-124	0.00	20	
1,2,4-Trimethylbenzene	ug/kg	125	125	122	100	97.6	70.0-126	2.43	20	
1,3,5-Trimethylbenzene	ug/kg	125	116	116	92.8	92.8	73.0-127	0.00	20	
Vinyl acetate	ug/kg	625	695	690	111	110	43.0-159	0.722	20	
Vinyl chloride	ug/kg	125	124	129	99.2	103	63.0-134	3.95	20	
Xylene (Total)	ug/kg	375	361	357	96.3	95.2	72.0-127	1.11	20	
o-Xylene	ug/kg	125	117	117	93.6	93.6	79.0-124	0.00	20	
m&p-Xylene	ug/kg	250	244	240	97.6	96.0	76.0-126	1.65	20	
Toluene-d8 (S)	%				99.0	98.0	75.0-131			
4-Bromofluorobenzene (S)	%				99.8	102	67.0-138			
1,2-Dichloroethane-d4 (S)	%				107	112	70.0-130			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3709935-4 R3709935-5

Parameter	Units	L1408809-87 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acetone	ug/kg	ND	760	760	306	271	44.6	39.5	10.0-160	12.2	40	
Benzene	ug/kg	ND	152	152	92.5	82.4	67.4	60.1	10.0-149	11.5	37	
Bromobenzene	ug/kg		152	152	122	112	88.8	81.6	10.0-156	8.45	38	
Bromodichloromethane	ug/kg		152	152	108	99.2	78.6	72.3	10.0-143	8.27	37	
Bromoform	ug/kg		152	152	101	98.8	73.5	72.0	10.0-146	2.09	36	
Bromomethane	ug/kg		152	152	76.3	62.6	55.6	45.6	10.0-149	19.8	38	
n-Butylbenzene	ug/kg		152	152	83.2	84.5	60.6	61.6	10.0-160	1.57	40	
sec-Butylbenzene	ug/kg		152	152	101	99.0	73.6	72.2	10.0-159	1.98	39	
tert-Butylbenzene	ug/kg		152	152	108	105	78.5	76.6	10.0-156	2.37	39	
Carbon tetrachloride	ug/kg		152	152	83.0	ND	60.5	0.00	10.0-145	200	37	ML,R1
Chlorobenzene	ug/kg		152	152	93.8	86.7	68.3	63.2	10.0-152	7.79	39	
Dibromochloromethane	ug/kg		152	152	109	102	79.6	74.3	10.0-146	6.86	37	
Chloroethane	ug/kg		152	152	63.2	59.4	46.1	43.3	10.0-146	6.27	40	
Chloroform	ug/kg		152	152	93.9	85.2	68.4	62.1	10.0-146	9.69	37	
Chloromethane	ug/kg		152	152	91.0	83.5	66.3	60.9	10.0-159	8.55	37	
2-Chlorotoluene	ug/kg		152	152	104	95.0	75.9	69.2	10.0-159	9.26	38	
4-Chlorotoluene	ug/kg		152	152	105	99.9	76.4	72.8	10.0-155	4.83	39	
1,2-Dibromo-3-chloropropane	ug/kg		152	152	82.1	80.6	59.8	58.7	10.0-151	1.89	39	
1,2-Dibromoethane (EDB)	ug/kg		152	152	126	115	92.0	84.0	10.0-148	9.09	34	
Dibromomethane	ug/kg		152	152	111	103	80.8	75.0	10.0-147	7.50	35	
1,2-Dichlorobenzene	ug/kg		152	152	96.7	93.2	70.5	67.9	10.0-155	3.70	37	
1,3-Dichlorobenzene	ug/kg		152	152	97.7	93.2	71.2	67.9	10.0-153	4.72	38	
1,4-Dichlorobenzene	ug/kg		152	152	97.8	93.5	71.3	68.2	10.0-151	4.48	38	
Dichlorodifluoromethane	ug/kg		152	152	92.7	86.3	67.5	62.9	10.0-160	7.12	35	

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QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92562698

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3709935-4 R3709935-5

Parameter	Units	L1408809-87 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethane	ug/kg		152	152	96.1	85.3	70.0	62.2	10.0-147	11.9	37	
1,2-Dichloroethane	ug/kg		152	152	109	101	79.1	73.4	10.0-148	7.45	35	
1,1-Dichloroethene	ug/kg		152	152	91.6	83.5	66.7	60.9	10.0-155	9.15	37	
cis-1,2-Dichloroethene	ug/kg		152	152	91.8	82.4	66.9	60.1	10.0-149	10.7	37	
trans-1,2-Dichloroethene	ug/kg		152	152	90.1	80.5	65.7	58.6	10.0-150	11.3	37	
1,2-Dichloropropane	ug/kg		152	152	107	97.7	77.9	71.2	10.0-148	9.01	37	
1,1-Dichloropropene	ug/kg		152	152	89.3	80.0	65.0	58.3	10.0-153	10.9	35	
1,3-Dichloropropane	ug/kg		152	152	124	111	90.4	80.8	10.0-154	11.2	35	
cis-1,3-Dichloropropene	ug/kg		152	152	113	105	82.4	76.8	10.0-151	7.04	37	
trans-1,3-Dichloropropene	ug/kg		152	152	132	119	96.0	86.4	10.0-148	10.5	37	
2,2-Dichloropropane	ug/kg		152	152	54.6	51.8	39.8	37.8	10.0-138	5.16	36	
Diisopropyl ether	ug/kg		152	152	115	104	84.0	76.1	10.0-147	9.90	36	
Ethylbenzene	ug/kg	ND	152	152	85.3	78.4	62.2	57.1	10.0-160	8.45	38	
Hexachloro-1,3-butadiene	ug/kg		152	152	79.6	83.1	58.0	60.6	10.0-160	4.32	40	
2-Hexanone	ug/kg	ND	760	760	693	642	101	93.6	10.0-160	7.57	36	
Isopropylbenzene (Cumene)	ug/kg		152	152	82.7	78.2	60.2	57.0	10.0-155	5.60	38	
p-Isopropyltoluene	ug/kg		152	152	98.3	96.5	71.6	70.3	10.0-160	1.80	40	
2-Butanone (MEK)	ug/kg		760	760	570	681	60.2	76.3	10.0-160	17.7	40	
Methylene Chloride	ug/kg	ND	152	152	95.8	93.4	69.8	68.1	10.0-141	2.55	37	
4-Methyl-2-pentanone (MIBK)	ug/kg		760	760	637	608	92.8	88.6	10.0-160	4.59	35	
Methyl-tert-butyl ether	ug/kg		152	152	114	105	83.2	76.2	11.0-147	8.73	35	
Naphthalene	ug/kg	ND	152	152	59.5	60.7	43.4	44.2	10.0-160	2.01	36	
n-Propylbenzene	ug/kg	ND	152	152	99.2	95.8	72.3	69.8	10.0-158	3.49	38	
Styrene	ug/kg		152	152	95.2	88.0	69.4	64.2	10.0-160	7.79	40	
1,1,1,2-Tetrachloroethane	ug/kg		152	152	88.2	86.0	64.2	62.6	10.0-149	2.52	39	
1,1,2,2-Tetrachloroethane	ug/kg		152	152	113	117	82.4	85.6	10.0-160	3.81	35	
Tetrachloroethene	ug/kg		152	152	85.4	78.5	62.2	57.2	10.0-156	8.44	39	
Toluene	ug/kg	ND	152	152	93.2	84.1	67.9	61.3	10.0-156	10.3	38	
1,1,2-Trichlorotrifluoroethane	ug/kg		152	152	82.4	77.0	60.1	56.1	10.0-160	6.89	36	
1,2,3-Trichlorobenzene	ug/kg		152	152	52.0	54.8	37.9	39.9	10.0-160	5.14	40	
1,2,4-Trichlorobenzene	ug/kg		152	152	70.3	69.6	51.2	50.7	10.0-160	0.942	40	
1,1,1-Trichloroethane	ug/kg		152	152	95.5	83.3	69.6	60.7	10.0-144	13.6	35	
1,1,2-Trichloroethane	ug/kg		152	152	127	116	92.8	84.8	10.0-160	9.01	35	
Trichloroethene	ug/kg		152	152	109	93.3	79.4	68.0	10.0-156	15.5	38	
Trichlorofluoromethane	ug/kg		152	152	57.5	55.1	41.9	40.2	10.0-160	4.29	40	
1,2,3-Trichloropropane	ug/kg		152	152	144	139	105	102	10.0-156	3.10	35	
1,2,3-Trimethylbenzene	ug/kg		152	152	91.2	89.9	66.5	65.5	10.0-160	1.45	36	
1,2,4-Trimethylbenzene	ug/kg	ND	152	152	97.5	93.4	71.0	68.1	10.0-160	4.26	36	
1,3,5-Trimethylbenzene	ug/kg	ND	152	152	95.0	91.4	69.2	66.6	10.0-160	3.77	38	
Vinyl acetate	ug/kg	4.04	760	760	48.3	139	6.45	19.7	10.0-128	97.1	40	ML,R1
Vinyl chloride	ug/kg		152	152	90.7	78.8	66.1	57.4	10.0-160	14.0	37	
Xylene (Total)	ug/kg	ND	456	456	263	232	64.0	56.3	10.0-160	12.9	38	
o-Xylene	ug/kg	ND	152	152	82.7	76.3	60.2	55.6	10.0-156	8.01	40	

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QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92562698

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3709935-4 R3709935-5

Parameter	Units	L1408809-87 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
m&p-Xylene	ug/kg	ND	304	304	181	156	66.0	56.8	10.0-156	15.0	40	
Toluene-d8 (S)	%						104	104	75.0-131			
4-Bromofluorobenzene (S)	%						92.2	92.8	67.0-138			
1,2-Dichloroethane-d4 (S)	%						97.8	98.9	70.0-130			

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QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92562698

QC Batch: 1748825
QC Batch Method: SM 2540 G
Analysis Method: SM 2540G
Analysis Description: Total Solids 2540 G-2011
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92562698001, 92562698002

METHOD BLANK: R3711139-1 Matrix: Solid
Associated Lab Samples: 92562698001, 92562698002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Solids	%	0.00100			09/30/21 15:47	

LABORATORY CONTROL SAMPLE: R3711139-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Solids	%	50.0	50.0	100	85.0-115	

SAMPLE DUPLICATE: R3711139-3

Parameter	Units	92562698001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	83.8	83.6	0.270	10	

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QUALIFIERS

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92562698

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.
J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
R1	RPD value was outside control limits.

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CPC HUNTERSVILLE 2020-L1-2248
Pace Project No.: 92562698

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92562698001	**MW-4D (30-32)**	MADEPV	1751495	MADEP VPH	1751495
92562698002	**MW-4D (65-67)**	MADEPV	1756372	MADEP VPH	1756372
92562698001	**MW-4D (30-32)**	5035A	1747884	EPA 8260D	1747884
92562698002	**MW-4D (65-67)**	5035A	1747884	EPA 8260D	1747884
92562698001	**MW-4D (30-32)**	SM 2540 G	1748825	SM 2540G	1748825
92562698002	**MW-4D (65-67)**	SM 2540 G	1748825	SM 2540G	1748825

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CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

WO# : 92562698

92562698

ALL SHADED

Container Preservative Type *

** Preservative Types: (1) nitric acid, (2) sulfuric a
(6) methanol, (7) sodium bisulfate, (8) sodium thio
(C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Company: Apex Companies	Billing Information:
Address: 5900 Northwoods Bus Pkwy Ste O.	
Report To: Andrew ~~Street~~ Street JSH 9/17/21	Email To: andrew.street@apexcos.com
Copy To: tom.naumann@apexcos.com	Site Collection Info/Address: Huntersville - Concord Rd
Customer Project Name/Number:	State: NC / County/City: Meck / Time Zone Collected: [ ] PT [ ] MT [ ] CT [X] ET
Phone: / Email:	Site/Facility ID #: CPC Huntersville / Compliance Monitoring? [ ] Yes [✓] No
Collected By (print): Jamie Humphrey	Purchase Order #: / Quote #: 2020-LI-2248 / DW PWS ID #: / DW Location Code:
Collected By (signature): [signature]	Turnaround Date Required: Std / Immediately Packed on Ice: [✓] Yes [ ] No
Sample Disposal: [✓] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) / Field Filtered (if applicable): [ ] Yes [ ] No / Analysis: _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Analyses

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	VOCs by 8260D	MADEP VPH	Lab Profile/Line:
MW-41 (30-32')	SL	G	9/17/21	1630	/	/	/	3	X	X	97562698 041
MW-41 (65-67')	SL	G	9/20/21	1415	/	/	/	3	X	X	002

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y ✓ NA
Custody Signatures Present	✓ N NA
Collector Signature Present	✓ N NA
Bottles Intact	✓ N NA
Correct Bottles	✓ N NA
Sufficient Volume	✓ N NA
Samples Received on Ice	✓ N NA
VOA - Headspace Acceptable	Y N ~~NA~~
USDA Regulated Soils	Y N ~~NA~~
Samples in Holding Time	✓ N NA
Residual Chlorine Present	Y N ~~NA~~
Cl Strips: _____	
Sample pH Acceptable	Y N ~~NA~~
pH Strips: _____	
Sulfide Present	Y N ~~NA~~
Lead Acetate Strips: _____	

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: ~~Wet~~ Blue Dry None

Packing Material Used: none

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y ~~N~~ N/A

Lab Tracking #: 2546687

Samples received via: FEDEX UPS ~~Client~~ Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y ~~N~~ NA
Therm ID#: 927064
Cooler 1 Temp Upon Receipt: 5.3 oC
Cooler 1 Therm Corr. Factor: 0 oC
Cooler 1 Corrected Temp: 5.3 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
[signature] Apex	9/17/21 1700	Office Trailer / Apex	9/17/21 1700
Office Trailer / Apex	9/20/21 0700	[signature] / Apex	9/20/21 0700
[signature] / Apex	9/20/21 / 1636	[signature] / APEX	09-20-2021 / 1702
[signature] / APEX	09-20-21 / 1715	MD Upon HVV	9-20-21 17:15

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y ~~N~~ NA
HCL MeOH TSP Other

Non Conformance(s): YES / ~~NO~~

Page: 1 of: 1

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 15, 2021

Andrew Street
Apex Companies - NC
5900 Northwoods Business Pkwy
Suite 5900-0
Charlotte, NC 28269

RE: Project: 2020-L1-2448
Pace Project No.: 92563637

Dear Andrew Street:

Enclosed are the analytical results for sample(s) received by the laboratory on September 28, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angela M. Baioni

Angela Baioni
angela.baioni@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: J Culbreath, Colonial Pipeline Company
Naomi Fretz, APEX Companies, LLC
Robert Hughes, Colonial Pipeline
Cameron Lee, Montrose-EPS
Jamie Moran, APEX Companies, LLC
Jeff Morrison, Colonial Pipeline Company
Tom Naumann, APEX Companies - NC
Joe Nicolette, Montrose-EPS
Kaitlyn Nootens, Apex Companies
Christopher Schultz, Apex Companies
Matt Teixeira, Apex Companies, LLC
Michael Verdon, Colonial Pipeline Company
JM Wyatt, Colonial Pipeline Company

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 2020-L1-2448
Pace Project No.: 92563637

Pace Analytical Services National
12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

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SAMPLE SUMMARY

Project: 2020-L1-2448
Pace Project No.: 92563637

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92563637001	**MW-96 (16-18')**	Solid	09/27/21 17:00	09/28/21 13:13

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 2020-L1-2448
Pace Project No.: 92563637

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92563637001	**MW-96 (16-18')**	MADEP VPH	BMB	6	PAN
		EPA 8260D	ADM	71	PAN
		SM 2540G	KDW	1	PAN

PAN = Pace National - Mt. Juliet

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ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92563637

Sample: MW-96 (16-18') **Lab ID: 92563637001** Collected: 09/27/21 17:00 Received: 09/28/21 13:13 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
MADEPV	Analytical Method: MADEP VPH Preparation Method: MADEPV Pace National - Mt. Juliet								
Aliphatic (C05-C08)	**3640J**	ug/kg	7530	2510	1.01	09/27/21 17:00	10/14/21 18:08		J
Aliphatic (C09-C12)	ND	ug/kg	7530	2510	1.01	09/27/21 17:00	10/14/21 18:08		
Aromatic (C09-C10),Unadjusted	ND	ug/kg	7530	2510	1.01	09/27/21 17:00	10/14/21 18:08	TPHC9C10A	
Total VPH	**3640J**	ug/kg	7530	2510	1.01	09/27/21 17:00	10/14/21 18:08	VPH	J
Surrogates									
2,5-Dibromotoluene (FID)	89.2	%	70.0-130		1.01	09/27/21 17:00	10/14/21 18:08	615-59-8FID	
2,5-Dibromotoluene (PID)	89.3	%	70.0-130		1.01	09/27/21 17:00	10/14/21 18:08	615-59-8PID	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 5035A Pace National - Mt. Juliet								
Acetone	ND	ug/kg	75.1	54.8	1	09/27/21 17:00	10/06/21 08:48	67-64-1	
Benzene	ND	ug/kg	1.50	0.701	1	09/27/21 17:00	10/06/21 08:48	71-43-2	
Bromobenzene	ND	ug/kg	18.8	1.35	1	09/27/21 17:00	10/06/21 08:48	108-86-1	
Bromodichloromethane	ND	ug/kg	3.75	1.09	1	09/27/21 17:00	10/06/21 08:48	75-27-4	
Bromoform	ND	ug/kg	37.5	1.76	1	09/27/21 17:00	10/06/21 08:48	75-25-2	C3
Bromomethane	ND	ug/kg	18.8	2.96	1	09/27/21 17:00	10/06/21 08:48	74-83-9	
n-Butylbenzene	ND	ug/kg	18.8	7.88	1	09/27/21 17:00	10/06/21 08:48	104-51-8	C3
sec-Butylbenzene	ND	ug/kg	18.8	4.32	1	09/27/21 17:00	10/06/21 08:48	135-98-8	
tert-Butylbenzene	ND	ug/kg	7.51	2.93	1	09/27/21 17:00	10/06/21 08:48	98-06-6	
Carbon tetrachloride	ND	ug/kg	7.51	1.35	1	09/27/21 17:00	10/06/21 08:48	56-23-5	
Chlorobenzene	ND	ug/kg	3.75	0.315	1	09/27/21 17:00	10/06/21 08:48	108-90-7	
Dibromochloromethane	ND	ug/kg	3.75	0.919	1	09/27/21 17:00	10/06/21 08:48	124-48-1	
Chloroethane	ND	ug/kg	7.51	2.55	1	09/27/21 17:00	10/06/21 08:48	75-00-3	C3
Chloroform	ND	ug/kg	3.75	1.55	1	09/27/21 17:00	10/06/21 08:48	67-66-3	
Chloromethane	ND	ug/kg	18.8	6.53	1	09/27/21 17:00	10/06/21 08:48	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.75	1.30	1	09/27/21 17:00	10/06/21 08:48	95-49-8	
4-Chlorotoluene	ND	ug/kg	7.51	0.676	1	09/27/21 17:00	10/06/21 08:48	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	37.5	5.85	1	09/27/21 17:00	10/06/21 08:48	96-12-8	C3
1,2-Dibromoethane (EDB)	ND	ug/kg	3.75	0.973	1	09/27/21 17:00	10/06/21 08:48	106-93-4	
Dibromomethane	ND	ug/kg	7.51	1.13	1	09/27/21 17:00	10/06/21 08:48	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	7.51	0.638	1	09/27/21 17:00	10/06/21 08:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	7.51	0.901	1	09/27/21 17:00	10/06/21 08:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	7.51	1.05	1	09/27/21 17:00	10/06/21 08:48	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	3.75	2.42	1	09/27/21 17:00	10/06/21 08:48	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.75	0.737	1	09/27/21 17:00	10/06/21 08:48	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.75	0.974	1	09/27/21 17:00	10/06/21 08:48	107-06-2	
1,1-Dichloroethene	ND	ug/kg	3.75	0.910	1	09/27/21 17:00	10/06/21 08:48	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.75	1.10	1	09/27/21 17:00	10/06/21 08:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	7.51	1.56	1	09/27/21 17:00	10/06/21 08:48	156-60-5	
1,2-Dichloropropane	ND	ug/kg	7.51	2.13	1	09/27/21 17:00	10/06/21 08:48	78-87-5	
1,1-Dichloropropene	ND	ug/kg	3.75	1.21	1	09/27/21 17:00	10/06/21 08:48	563-58-6	
1,3-Dichloropropane	ND	ug/kg	7.51	0.752	1	09/27/21 17:00	10/06/21 08:48	142-28-9	
cis-1,3-Dichloropropene	ND	ug/kg	3.75	1.14	1	09/27/21 17:00	10/06/21 08:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	7.51	1.71	1	09/27/21 17:00	10/06/21 08:48	10061-02-6	

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92563637

Sample: MW-96 (16-18') **Lab ID: 92563637001** Collected: 09/27/21 17:00 Received: 09/28/21 13:13 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 5035A Pace National - Mt. Juliet								
2,2-Dichloropropane	ND	ug/kg	3.75	2.07	1	09/27/21 17:00	10/06/21 08:48	594-20-7	
Diisopropyl ether	ND	ug/kg	1.50	0.615	1	09/27/21 17:00	10/06/21 08:48	108-20-3	
Ethylbenzene	ND	ug/kg	3.75	1.11	1	09/27/21 17:00	10/06/21 08:48	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	37.5	9.01	1	09/27/21 17:00	10/06/21 08:48	87-68-3	C3
2-Hexanone	ND	ug/kg	37.5	5.04	1	09/27/21 17:00	10/06/21 08:48	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.75	0.638	1	09/27/21 17:00	10/06/21 08:48	98-82-8	
p-Isopropyltoluene	ND	ug/kg	7.51	3.83	1	09/27/21 17:00	10/06/21 08:48	99-87-6	
2-Butanone (MEK)	ND	ug/kg	150	95.3	1	09/27/21 17:00	10/06/21 08:48	78-93-3	
Methylene Chloride	ND	ug/kg	37.5	9.97	1	09/27/21 17:00	10/06/21 08:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	37.5	3.42	1	09/27/21 17:00	10/06/21 08:48	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	1.50	0.525	1	09/27/21 17:00	10/06/21 08:48	1634-04-4	
Naphthalene	ND	ug/kg	18.8	7.33	1	09/27/21 17:00	10/06/21 08:48	91-20-3	C3
n-Propylbenzene	ND	ug/kg	7.51	1.43	1	09/27/21 17:00	10/06/21 08:48	103-65-1	
Styrene	ND	ug/kg	18.8	0.344	1	09/27/21 17:00	10/06/21 08:48	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.75	1.42	1	09/27/21 17:00	10/06/21 08:48	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.75	1.04	1	09/27/21 17:00	10/06/21 08:48	79-34-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	3.75	1.13	1	09/27/21 17:00	10/06/21 08:48	76-13-1	C3
Tetrachloroethene	ND	ug/kg	3.75	1.35	1	09/27/21 17:00	10/06/21 08:48	127-18-4	
Toluene	ND	ug/kg	7.51	1.95	1	09/27/21 17:00	10/06/21 08:48	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	18.8	11.0	1	09/27/21 17:00	10/06/21 08:48	87-61-6	C4
1,2,4-Trichlorobenzene	ND	ug/kg	18.8	6.61	1	09/27/21 17:00	10/06/21 08:48	120-82-1	C3
1,1,1-Trichloroethane	ND	ug/kg	3.75	1.39	1	09/27/21 17:00	10/06/21 08:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.75	0.896	1	09/27/21 17:00	10/06/21 08:48	79-00-5	
Trichloroethene	ND	ug/kg	1.50	0.877	1	09/27/21 17:00	10/06/21 08:48	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.75	1.24	1	09/27/21 17:00	10/06/21 08:48	75-69-4	C3
1,2,3-Trichloropropane	ND	ug/kg	18.8	2.43	1	09/27/21 17:00	10/06/21 08:48	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	7.51	2.37	1	09/27/21 17:00	10/06/21 08:48	95-63-6	
1,2,3-Trimethylbenzene	ND	ug/kg	7.51	2.37	1	09/27/21 17:00	10/06/21 08:48	526-73-8	
1,3,5-Trimethylbenzene	ND	ug/kg	7.51	3.00	1	09/27/21 17:00	10/06/21 08:48	108-67-8	
Vinyl acetate	ND	ug/kg	18.8	3.81	1	09/27/21 17:00	10/06/21 08:48	108-05-4	C3,L0
Vinyl chloride	ND	ug/kg	3.75	1.74	1	09/27/21 17:00	10/06/21 08:48	75-01-4	C3
o-Xylene	ND	ug/kg	3.75	1.32	1	09/27/21 17:00	10/06/21 08:48	95-47-6	
m&p-Xylene	ND	ug/kg	6.00	2.85	1	09/27/21 17:00	10/06/21 08:48	179601-23-1	
Xylene (Total)	ND	ug/kg	9.76	1.32	1	09/27/21 17:00	10/06/21 08:48	1330-20-7	
Surrogates									
Toluene-d8 (S)	104	%	75.0-131		1	09/27/21 17:00	10/06/21 08:48	2037-26-5	
4-Bromofluorobenzene (S)	89.8	%	67.0-138		1	09/27/21 17:00	10/06/21 08:48	460-00-4	
1,2-Dichloroethane-d4 (S)	94.6	%	70.0-130		1	09/27/21 17:00	10/06/21 08:48	17060-07-0	
Total Solids 2540 G-2011	Analytical Method: SM 2540G Preparation Method: SM 2540 G Pace National - Mt. Juliet								
Total Solids	**80.2**	%			1	10/05/21 12:23	10/05/21 12:36		

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92563637

QC Batch: 1756372
QC Batch Method: KS LRH/MADEPV/MTDEQ VPH/VPH
Analysis Method: MADEP VPH
Analysis Description: MADEPV
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92563637001

METHOD BLANK: R3716709-3 Matrix: Solid
Associated Lab Samples: 92563637001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (C05-C08)	ug/kg	ND	5000	1670	10/14/21 09:28	
Aliphatic (C09-C12)	ug/kg	ND	5000	1670	10/14/21 09:28	
Aromatic (C09-C10),Unadjusted	ug/kg	ND	5000	1670	10/14/21 09:28	
Total VPH	ug/kg	ND	5000	1670	10/14/21 09:28	
2,5-Dibromotoluene (FID)	%	96.3	70.0-130		10/14/21 09:28	
2,5-Dibromotoluene (PID)	%	93.6	70.0-130		10/14/21 09:28	

LABORATORY CONTROL SAMPLE & LCSD: R3716709-1 R3716709-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	ug/kg	60000	65800	64300	110	107	70.0-130	2.31	25	
Aliphatic (C09-C12)	ug/kg	70000	72700	70500	104	101	70.0-130	3.07	25	
Aromatic (C09-C10),Unadjusted	ug/kg	10000	12200	11800	122	118	70.0-130	3.33	25	
Total VPH	ug/kg	140000	151000	147000	108	105	70.0-130	2.68	25	
2,5-Dibromotoluene (FID)	%				103	95.9	70.0-130			
2,5-Dibromotoluene (PID)	%				104	96.7	70.0-130			

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(704)875-9092

QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92563637

QC Batch: 1751460
QC Batch Method: 5035A
Analysis Method: EPA 8260D
Analysis Description: VOA (GC/MS) 8260D
Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 92563637001

METHOD BLANK: R3715362-2 Matrix: Solid
Associated Lab Samples: 92563637001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acetone	ug/kg	ND	50.0	36.5	10/06/21 06:12	
Benzene	ug/kg	ND	1.00	0.467	10/06/21 06:12	
Bromobenzene	ug/kg	ND	12.5	0.900	10/06/21 06:12	
Bromodichloromethane	ug/kg	ND	2.50	0.725	10/06/21 06:12	
Bromoform	ug/kg	ND	25.0	1.17	10/06/21 06:12	
Bromomethane	ug/kg	ND	12.5	1.97	10/06/21 06:12	
n-Butylbenzene	ug/kg	ND	12.5	5.25	10/06/21 06:12	
sec-Butylbenzene	ug/kg	ND	12.5	2.88	10/06/21 06:12	
tert-Butylbenzene	ug/kg	ND	5.00	1.95	10/06/21 06:12	
Carbon tetrachloride	ug/kg	ND	5.00	0.898	10/06/21 06:12	
Chlorobenzene	ug/kg	ND	2.50	0.210	10/06/21 06:12	
Dibromochloromethane	ug/kg	ND	2.50	0.612	10/06/21 06:12	
Chloroethane	ug/kg	ND	5.00	1.70	10/06/21 06:12	
Chloroform	ug/kg	ND	2.50	1.03	10/06/21 06:12	
Chloromethane	ug/kg	ND	12.5	4.35	10/06/21 06:12	
2-Chlorotoluene	ug/kg	ND	2.50	0.865	10/06/21 06:12	
4-Chlorotoluene	ug/kg	ND	5.00	0.450	10/06/21 06:12	
1,2-Dibromo-3-chloropropane	ug/kg	ND	25.0	3.90	10/06/21 06:12	
1,2-Dibromoethane (EDB)	ug/kg	ND	2.50	0.648	10/06/21 06:12	
Dibromomethane	ug/kg	ND	5.00	0.750	10/06/21 06:12	
1,2-Dichlorobenzene	ug/kg	ND	5.00	0.425	10/06/21 06:12	
1,3-Dichlorobenzene	ug/kg	ND	5.00	0.600	10/06/21 06:12	
1,4-Dichlorobenzene	ug/kg	ND	5.00	0.700	10/06/21 06:12	
Dichlorodifluoromethane	ug/kg	ND	2.50	1.61	10/06/21 06:12	
1,1-Dichloroethane	ug/kg	ND	2.50	0.491	10/06/21 06:12	
1,2-Dichloroethane	ug/kg	ND	2.50	0.649	10/06/21 06:12	
1,1-Dichloroethene	ug/kg	ND	2.50	0.606	10/06/21 06:12	
cis-1,2-Dichloroethene	ug/kg	ND	2.50	0.734	10/06/21 06:12	
trans-1,2-Dichloroethene	ug/kg	ND	5.00	1.04	10/06/21 06:12	
1,2-Dichloropropane	ug/kg	ND	5.00	1.42	10/06/21 06:12	
1,1-Dichloropropene	ug/kg	ND	2.50	0.809	10/06/21 06:12	
1,3-Dichloropropane	ug/kg	ND	5.00	0.501	10/06/21 06:12	
cis-1,3-Dichloropropene	ug/kg	ND	2.50	0.757	10/06/21 06:12	
trans-1,3-Dichloropropene	ug/kg	ND	5.00	1.14	10/06/21 06:12	
2,2-Dichloropropane	ug/kg	ND	2.50	1.38	10/06/21 06:12	
Diisopropyl ether	ug/kg	ND	1.00	0.410	10/06/21 06:12	
Ethylbenzene	ug/kg	ND	2.50	0.737	10/06/21 06:12	
Hexachloro-1,3-butadiene	ug/kg	ND	25.0	6.00	10/06/21 06:12	
2-Hexanone	ug/kg	ND	25.0	3.36	10/06/21 06:12	
Isopropylbenzene (Cumene)	ug/kg	ND	2.50	0.425	10/06/21 06:12	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92563637

METHOD BLANK: R3715362-2 Matrix: Solid
Associated Lab Samples: 92563637001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
p-Isopropyltoluene	ug/kg	ND	5.00	2.55	10/06/21 06:12	
2-Butanone (MEK)	ug/kg	ND	100	63.5	10/06/21 06:12	
Methylene Chloride	ug/kg	ND	25.0	6.64	10/06/21 06:12	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	25.0	2.28	10/06/21 06:12	
Methyl-tert-butyl ether	ug/kg	ND	1.00	0.350	10/06/21 06:12	
Naphthalene	ug/kg	ND	12.5	4.88	10/06/21 06:12	
n-Propylbenzene	ug/kg	ND	5.00	0.950	10/06/21 06:12	
Styrene	ug/kg	ND	12.5	0.229	10/06/21 06:12	
1,1,1,2-Tetrachloroethane	ug/kg	ND	2.50	0.948	10/06/21 06:12	
1,1,2,2-Tetrachloroethane	ug/kg	ND	2.50	0.695	10/06/21 06:12	
Tetrachloroethene	ug/kg	ND	2.50	0.896	10/06/21 06:12	
Toluene	ug/kg	ND	5.00	1.30	10/06/21 06:12	
1,1,2-Trichlorotrifluoroethane	ug/kg	ND	2.50	0.754	10/06/21 06:12	
1,2,3-Trichlorobenzene	ug/kg	ND	12.5	7.33	10/06/21 06:12	
1,2,4-Trichlorobenzene	ug/kg	ND	12.5	4.40	10/06/21 06:12	
1,1,1-Trichloroethane	ug/kg	ND	2.50	0.923	10/06/21 06:12	
1,1,2-Trichloroethane	ug/kg	ND	2.50	0.597	10/06/21 06:12	
Trichloroethene	ug/kg	ND	1.00	0.584	10/06/21 06:12	
Trichlorofluoromethane	ug/kg	ND	2.50	0.827	10/06/21 06:12	
1,2,3-Trichloropropane	ug/kg	ND	12.5	1.62	10/06/21 06:12	
1,2,3-Trimethylbenzene	ug/kg	ND	5.00	1.58	10/06/21 06:12	
1,2,4-Trimethylbenzene	ug/kg	ND	5.00	1.58	10/06/21 06:12	
1,3,5-Trimethylbenzene	ug/kg	ND	5.00	2.00	10/06/21 06:12	
Vinyl acetate	ug/kg	ND	12.5	2.54	10/06/21 06:12	
Vinyl chloride	ug/kg	ND	2.50	1.16	10/06/21 06:12	
Xylene (Total)	ug/kg	ND	6.50	0.880	10/06/21 06:12	
o-Xylene	ug/kg	ND	2.50	0.880	10/06/21 06:12	
m&p-Xylene	ug/kg	ND	4.00	1.90	10/06/21 06:12	
Toluene-d8 (S)	%	104	75.0-131		10/06/21 06:12	
4-Bromofluorobenzene (S)	%	92.9	67.0-138		10/06/21 06:12	
1,2-Dichloroethane-d4 (S)	%	90.7	70.0-130		10/06/21 06:12	

LABORATORY CONTROL SAMPLE: R3715362-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acetone	ug/kg	625	386	61.8	10.0-160	
Benzene	ug/kg	125	121	96.8	70.0-123	
Bromobenzene	ug/kg	125	127	102	73.0-121	
Bromodichloromethane	ug/kg	125	121	96.8	73.0-121	
Bromoform	ug/kg	125	97.9	78.3	64.0-132	
Bromomethane	ug/kg	125	94.0	75.2	56.0-147	
n-Butylbenzene	ug/kg	125	93.9	75.1	68.0-135	
sec-Butylbenzene	ug/kg	125	106	84.8	74.0-130	
tert-Butylbenzene	ug/kg	125	111	88.8	75.0-127	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92563637

LABORATORY CONTROL SAMPLE: R3715362-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	125	107	85.6	66.0-128	
Chlorobenzene	ug/kg	125	116	92.8	76.0-128	
Dibromochloromethane	ug/kg	125	111	88.8	74.0-127	
Chloroethane	ug/kg	125	95.1	76.1	61.0-134	
Chloroform	ug/kg	125	115	92.0	72.0-123	
Chloromethane	ug/kg	125	95.5	76.4	51.0-138	
2-Chlorotoluene	ug/kg	125	124	99.2	75.0-124	
4-Chlorotoluene	ug/kg	125	129	103	75.0-124	
1,2-Dibromo-3-chloropropane	ug/kg	125	87.7	70.2	59.0-130	
1,2-Dibromoethane (EDB)	ug/kg	125	119	95.2	74.0-128	
Dibromomethane	ug/kg	125	114	91.2	75.0-122	
1,2-Dichlorobenzene	ug/kg	125	113	90.4	76.0-124	
1,3-Dichlorobenzene	ug/kg	125	115	92.0	76.0-125	
1,4-Dichlorobenzene	ug/kg	125	115	92.0	77.0-121	
Dichlorodifluoromethane	ug/kg	125	106	84.8	43.0-156	
1,1-Dichloroethane	ug/kg	125	117	93.6	70.0-127	
1,2-Dichloroethane	ug/kg	125	122	97.6	65.0-131	
1,1-Dichloroethene	ug/kg	125	117	93.6	65.0-131	
cis-1,2-Dichloroethene	ug/kg	125	110	88.0	73.0-125	
trans-1,2-Dichloroethene	ug/kg	125	109	87.2	71.0-125	
1,2-Dichloropropane	ug/kg	125	130	104	74.0-125	
1,1-Dichloropropene	ug/kg	125	121	96.8	73.0-125	
1,3-Dichloropropane	ug/kg	125	121	96.8	80.0-125	
cis-1,3-Dichloropropene	ug/kg	125	129	103	76.0-127	
trans-1,3-Dichloropropene	ug/kg	125	120	96.0	73.0-127	
2,2-Dichloropropane	ug/kg	125	104	83.2	59.0-135	
Diisopropyl ether	ug/kg	125	121	96.8	60.0-136	
Ethylbenzene	ug/kg	125	116	92.8	74.0-126	
Hexachloro-1,3-butadiene	ug/kg	125	74.9	59.9	57.0-150	
2-Hexanone	ug/kg	625	569	91.0	54.0-147	
Isopropylbenzene (Cumene)	ug/kg	125	104	83.2	72.0-127	
p-Isopropyltoluene	ug/kg	125	102	81.6	72.0-133	
2-Butanone (MEK)	ug/kg	625	687	110	30.0-160	
Methylene Chloride	ug/kg	125	113	90.4	68.0-123	
4-Methyl-2-pentanone (MIBK)	ug/kg	625	643	103	56.0-143	
Methyl-tert-butyl ether	ug/kg	125	113	90.4	66.0-132	
Naphthalene	ug/kg	125	78.7	63.0	59.0-130	
n-Propylbenzene	ug/kg	125	130	104	74.0-126	
Styrene	ug/kg	125	106	84.8	72.0-127	
1,1,1,2-Tetrachloroethane	ug/kg	125	106	84.8	74.0-129	
1,1,2,2-Tetrachloroethane	ug/kg	125	110	88.0	68.0-128	
Tetrachloroethene	ug/kg	125	115	92.0	70.0-136	
Toluene	ug/kg	125	120	96.0	75.0-121	
1,1,2-Trichlorotrifluoroethane	ug/kg	125	93.9	75.1	61.0-139	
1,2,3-Trichlorobenzene	ug/kg	125	82.1	65.7	59.0-139	
1,2,4-Trichlorobenzene	ug/kg	125	79.9	63.9	62.0-137	
1,1,1-Trichloroethane	ug/kg	125	113	90.4	69.0-126	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92563637

LABORATORY CONTROL SAMPLE: R3715362-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2-Trichloroethane	ug/kg	125	122	97.6	78.0-123	
Trichloroethene	ug/kg	125	132	106	76.0-126	
Trichlorofluoromethane	ug/kg	125	97.1	77.7	61.0-142	
1,2,3-Trichloropropane	ug/kg	125	131	105	67.0-129	
1,2,3-Trimethylbenzene	ug/kg	125	115	92.0	74.0-124	
1,2,4-Trimethylbenzene	ug/kg	125	115	92.0	70.0-126	
1,3,5-Trimethylbenzene	ug/kg	125	117	93.6	73.0-127	
Vinyl acetate	ug/kg	625	244	39.0	43.0-159	L0
Vinyl chloride	ug/kg	125	93.2	74.6	63.0-134	
Xylene (Total)	ug/kg	375	320	85.3	72.0-127	
o-Xylene	ug/kg	125	108	86.4	79.0-124	
m&p-Xylene	ug/kg	250	212	84.8	76.0-126	
Toluene-d8 (S)	%			103	75.0-131	
4-Bromofluorobenzene (S)	%			91.1	67.0-138	
1,2-Dichloroethane-d4 (S)	%			102	70.0-130	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92563637

QC Batch: 1750970
QC Batch Method: SM 2540 G
Analysis Method: SM 2540G
Analysis Description: Total Solids 2540 G-2011
Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 92563637001

METHOD BLANK: R3712951-1 Matrix: Solid
Associated Lab Samples: 92563637001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Solids	%	0.00100			10/05/21 12:36	

LABORATORY CONTROL SAMPLE: R3712951-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Solids	%	50.0	50.0	100	85.0-115	

SAMPLE DUPLICATE: R3712951-3

Parameter	Units	L1411340-02 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	80.8	81.0	0.247	10	

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QUALIFIERS

Project: 2020-L1-2448
Pace Project No.: 92563637

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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TNI - The NELAC Institute.

ANALYTE QUALIFIERS

C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.
J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2020-L1-2448
Pace Project No.: 92563637

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92563637001	**MW-96 (16-18')**	MADEPV	1756372	MADEP VPH	1756372
92563637001	**MW-96 (16-18')**	5035A	1751460	EPA 8260D	1751460
92563637001	**MW-96 (16-18')**	SM 2540 G	1750970	SM 2540G	1750970

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

WO# : 92563637

92563637

LAB U … Number or

Company: Apex companies	Billing Information:
Address: 5900 Northwoods Bus. Pkwy Ste O.	
Report To: Andrew Street	Email To: andrew.street@apexcos.com
Copy To: tom.hartmann@apexcos.com	Site Collection Info/Address: Huntersville – Concord Rd.
Customer Project Name/Number:	State: / County/City: / Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET
Phone: / Email:	Site/Facility ID #: CPC Huntersville
Collected By (print): Jamie Humphrey	Purchase Order #: / Quote #: 2020-LI-2248
Collected By (signature): Jamie Humphrey	Turnaround Date Required: Std
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)
	Compliance Monitoring? [ ] Yes [X] No
	DW PWS ID #: / DW Location Code:
	Immediately Packed on Ice: [X] Yes [ ] No
	Field Filtered (if applicable): [ ] Yes [ ] No
	Analysis: _____

Container Preservative Type **: 6 6

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: MADEP VPH	Analyses: VOCs by 8260D
MW-96 (16-18')	SL	G	9/27/21	1700				3	X	X

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips: _____	
Sample pH Acceptable	Y N NA
pH Strips: _____	
Sulfide Present	Y N NA
Lead Acetate Strips: _____	

LAB USE ONLY:
Lab Sample # / Comments:

92563637 001

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2546694

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 92T064
Cooler 1 Temp Upon Receipt: 2.9 oC
Cooler 1 Therm Corr. Factor: 0 oC
Cooler 1 Corrected Temp: 2.9 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Jamie Humphrey / Apex	9/27/21 1720	office Trailer / Apex	9/27/21 1720
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Matt Kerr / Apex	9-28-21/1313	KS Pace HVL	9/29/21 1313
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: _____

***Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.**

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

****Bottom half of box is to list number of bottles**

Project # **WO# : 92563637**

PM: AMB **Due Date: 10/05/21**

CLIENT: 92-APEX MOOR

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1																													
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

September 22, 2021

Andrew Wreschnig
AECOM
6000 Fairview Road
Suite 200
Charlotte, NC 28210

RE: Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92561826

Dear Andrew Wreschnig:

Enclosed are the analytical results for sample(s) received by the laboratory on September 16, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Teresa Amentt Jennings, AECOM
Jeff Morrison, Colonial Pipeline Company

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CERTIFICATIONS

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92561826

Pace Analytical Services Charlotte
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

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SAMPLE SUMMARY

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92561826

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92561826001	**MW-89D**	Water	09/16/21 10:35	09/16/21 14:45
92561826002	**MW-07**	Water	09/16/21 10:50	09/16/21 14:45
92561826003	**MW-63**	Water	09/16/21 12:15	09/16/21 14:45
92561826004	**MW-90DD**	Water	09/16/21 13:30	09/16/21 14:45
92561826005	**EB-1-20210916**	Water	09/16/21 13:20	09/16/21 14:45
92561826006	**FB-1-20210916**	Water	09/16/21 13:30	09/16/21 14:45
92561826007	**TRIP BLANK**	Water	09/16/21 00:00	09/16/21 14:45

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SAMPLE ANALYTE COUNT

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92561826

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92561826001	**MW-89D**	MADEP VPH	MAD	6	PASI-C
		EPA 6010D	RDT	1	PASI-A
		SM 6200B	SAS	63	PASI-C
92561826002	**MW-07**	MADEP VPH	MAD	6	PASI-C
		EPA 6010D	RDT	1	PASI-A
		SM 6200B	SAS	63	PASI-C
92561826003	**MW-63**	MADEP VPH	MAD	6	PASI-C
		EPA 6010D	RDT	1	PASI-A
		SM 6200B	SAS	63	PASI-C
92561826004	**MW-90DD**	MADEP VPH	MAD	6	PASI-C
		EPA 6010D	RDT	1	PASI-A
		SM 6200B	SAS	63	PASI-C
92561826005	**EB-1-20210916**	MADEP VPH	MAD	6	PASI-C
		EPA 6010D	RDT	1	PASI-A
		SM 6200B	SAS	63	PASI-C
92561826006	**FB-1-20210916**	MADEP VPH	MAD	6	PASI-C
		SM 6200B	SAS	63	PASI-C
92561826007	**TRIP BLANK**	SM 6200B	SAS	63	PASI-C

PASI-A = Pace Analytical Services - Asheville
PASI-C = Pace Analytical Services - Charlotte

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92561826

Sample: MW-89D **Lab ID: 92561826001** Collected: 09/16/21 10:35 Received: 09/16/21 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VPH NC Water	Analytical Method: MADEP VPH Pace Analytical Services - Charlotte								
Total VPH (C5-C12)	ND	ug/L	50.0	50.0	1		09/16/21 18:38		N2
Aliphatic (C05-C08)	ND	ug/L	50.0	50.0	1		09/16/21 18:38		N2
Aliphatic(C09-C12) Adjusted	ND	ug/L	50.0	50.0	1		09/16/21 18:38		N2
Aromatic (C09-C10)	ND	ug/L	50.0	50.0	1		09/16/21 18:38		N2
Surrogates									
4-Bromofluorobenzene (FID) (S)	101	%	70-130		1		09/16/21 18:38	460-00-4	
4-Bromofluorobenzene (PID) (S)	101	%	70-130		1		09/16/21 18:38	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/17/21 01:06	09/18/21 15:36	7439-92-1	
6200B MSV	Analytical Method: SM 6200B Pace Analytical Services - Charlotte								
Benzene	ND	ug/L	0.50	0.34	1		09/18/21 02:49	71-43-2	
Bromobenzene	ND	ug/L	0.50	0.29	1		09/18/21 02:49	108-86-1	
Bromochloromethane	ND	ug/L	0.50	0.47	1		09/18/21 02:49	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	0.31	1		09/18/21 02:49	75-27-4	
Bromoform	ND	ug/L	0.50	0.34	1		09/18/21 02:49	75-25-2	
Bromomethane	ND	ug/L	5.0	1.7	1		09/18/21 02:49	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	0.49	1		09/18/21 02:49	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	0.40	1		09/18/21 02:49	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	0.32	1		09/18/21 02:49	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	0.33	1		09/18/21 02:49	56-23-5	
Chlorobenzene	ND	ug/L	0.50	0.28	1		09/18/21 02:49	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		09/18/21 02:49	75-00-3	
Chloroform	**1.6**	ug/L	0.50	0.35	1		09/18/21 02:49	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		09/18/21 02:49	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	0.32	1		09/18/21 02:49	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	0.32	1		09/18/21 02:49	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.34	1		09/18/21 02:49	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	0.36	1		09/18/21 02:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	0.27	1		09/18/21 02:49	106-93-4	
Dibromomethane	ND	ug/L	0.50	0.39	1		09/18/21 02:49	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	0.34	1		09/18/21 02:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	0.34	1		09/18/21 02:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	0.33	1		09/18/21 02:49	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	0.35	1		09/18/21 02:49	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	0.37	1		09/18/21 02:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	0.32	1		09/18/21 02:49	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	0.35	1		09/18/21 02:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	0.38	1		09/18/21 02:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.40	1		09/18/21 02:49	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	0.36	1		09/18/21 02:49	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	0.28	1		09/18/21 02:49	142-28-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92561826

Sample: MW-89D **Lab ID: 92561826001** Collected: 09/16/21 10:35 Received: 09/16/21 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B Pace Analytical Services - Charlotte								
2,2-Dichloropropane	ND	ug/L	0.50	0.39	1		09/18/21 02:49	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	0.43	1		09/18/21 02:49	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.36	1		09/18/21 02:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.36	1		09/18/21 02:49	10061-02-6	
Diisopropyl ether	ND	ug/L	0.50	0.31	1		09/18/21 02:49	108-20-3	
Ethylbenzene	ND	ug/L	0.50	0.30	1		09/18/21 02:49	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		09/18/21 02:49	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	0.33	1		09/18/21 02:49	98-82-8	
Methylene Chloride	ND	ug/L	2.0	2.0	1		09/18/21 02:49	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	0.50	0.42	1		09/18/21 02:49	1634-04-4	
Naphthalene	ND	ug/L	2.0	0.64	1		09/18/21 02:49	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	0.34	1		09/18/21 02:49	103-65-1	
Styrene	ND	ug/L	0.50	0.29	1		09/18/21 02:49	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.31	1		09/18/21 02:49	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.22	1		09/18/21 02:49	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	0.29	1		09/18/21 02:49	127-18-4	
Toluene	ND	ug/L	0.50	0.48	1		09/18/21 02:49	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	0.81	1		09/18/21 02:49	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	0.64	1		09/18/21 02:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	0.33	1		09/18/21 02:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	0.32	1		09/18/21 02:49	79-00-5	
Trichloroethene	ND	ug/L	0.50	0.38	1		09/18/21 02:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		09/18/21 02:49	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	0.26	1		09/18/21 02:49	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.50	1		09/18/21 02:49	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.33	1		09/18/21 02:49	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.39	1		09/18/21 02:49	75-01-4	
m&p-Xylene	ND	ug/L	1.0	0.71	1		09/18/21 02:49	179601-23-1	
o-Xylene	ND	ug/L	0.50	0.34	1		09/18/21 02:49	95-47-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		09/18/21 02:49	17060-07-0	
4-Bromofluorobenzene (S)	99	%	70-130		1		09/18/21 02:49	460-00-4	
Toluene-d8 (S)	103	%	70-130		1		09/18/21 02:49	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92561826

Sample: MW-07 **Lab ID: 92561826002** Collected: 09/16/21 10:50 Received: 09/16/21 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VPH NC Water	Analytical Method: MADEP VPH Pace Analytical Services - Charlotte								
Total VPH (C5-C12)	**6320**	ug/L	200	200	4		09/18/21 18:40		N2
Aliphatic (C05-C08)	**4730**	ug/L	200	200	4		09/18/21 18:40		N2
Aliphatic(C09-C12) Adjusted	**1400**	ug/L	200	200	4		09/18/21 18:40		N2
Aromatic (C09-C10)	ND	ug/L	200	200	4		09/18/21 18:40		N2
Surrogates									
4-Bromofluorobenzene (FID) (S)	98	%	70-130		4		09/18/21 18:40	460-00-4	
4-Bromofluorobenzene (PID) (S)	97	%	70-130		4		09/18/21 18:40	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/17/21 01:06	09/18/21 15:48	7439-92-1	
6200B MSV	Analytical Method: SM 6200B Pace Analytical Services - Charlotte								
Benzene	**80.4**	ug/L	2.0	1.4	4		09/18/21 05:11	71-43-2	
Bromobenzene	ND	ug/L	2.0	1.2	4		09/18/21 05:11	108-86-1	
Bromochloromethane	ND	ug/L	2.0	1.9	4		09/18/21 05:11	74-97-5	
Bromodichloromethane	ND	ug/L	2.0	1.2	4		09/18/21 05:11	75-27-4	
Bromoform	ND	ug/L	2.0	1.4	4		09/18/21 05:11	75-25-2	
Bromomethane	ND	ug/L	20.0	6.6	4		09/18/21 05:11	74-83-9	
n-Butylbenzene	ND	ug/L	2.0	2.0	4		09/18/21 05:11	104-51-8	
sec-Butylbenzene	ND	ug/L	2.0	1.6	4		09/18/21 05:11	135-98-8	
tert-Butylbenzene	ND	ug/L	2.0	1.3	4		09/18/21 05:11	98-06-6	
Carbon tetrachloride	ND	ug/L	2.0	1.3	4		09/18/21 05:11	56-23-5	
Chlorobenzene	ND	ug/L	2.0	1.1	4		09/18/21 05:11	108-90-7	
Chloroethane	ND	ug/L	4.0	2.6	4		09/18/21 05:11	75-00-3	
Chloroform	ND	ug/L	2.0	1.4	4		09/18/21 05:11	67-66-3	
Chloromethane	ND	ug/L	4.0	2.2	4		09/18/21 05:11	74-87-3	
2-Chlorotoluene	ND	ug/L	2.0	1.3	4		09/18/21 05:11	95-49-8	
4-Chlorotoluene	ND	ug/L	2.0	1.3	4		09/18/21 05:11	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.4	4		09/18/21 05:11	96-12-8	
Dibromochloromethane	ND	ug/L	2.0	1.4	4		09/18/21 05:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	2.0	1.1	4		09/18/21 05:11	106-93-4	
Dibromomethane	ND	ug/L	2.0	1.6	4		09/18/21 05:11	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2.0	1.4	4		09/18/21 05:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2.0	1.4	4		09/18/21 05:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2.0	1.3	4		09/18/21 05:11	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	1.4	4		09/18/21 05:11	75-71-8	
1,1-Dichloroethane	ND	ug/L	2.0	1.5	4		09/18/21 05:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	2.0	1.3	4		09/18/21 05:11	107-06-2	
1,1-Dichloroethene	ND	ug/L	2.0	1.4	4		09/18/21 05:11	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	2.0	1.5	4		09/18/21 05:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2.0	1.6	4		09/18/21 05:11	156-60-5	
1,2-Dichloropropane	ND	ug/L	2.0	1.4	4		09/18/21 05:11	78-87-5	
1,3-Dichloropropane	ND	ug/L	2.0	1.1	4		09/18/21 05:11	142-28-9	

REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92561826

Sample: MW-07 **Lab ID: 92561826002** Collected: 09/16/21 10:50 Received: 09/16/21 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B Pace Analytical Services - Charlotte								
2,2-Dichloropropane	ND	ug/L	2.0	1.6	4		09/18/21 05:11	594-20-7	
1,1-Dichloropropene	ND	ug/L	2.0	1.7	4		09/18/21 05:11	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	2.0	1.5	4		09/18/21 05:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	2.0	1.5	4		09/18/21 05:11	10061-02-6	
Diisopropyl ether	**3.2**	ug/L	2.0	1.2	4		09/18/21 05:11	108-20-3	
Ethylbenzene	**92.4**	ug/L	2.0	1.2	4		09/18/21 05:11	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	8.0	6.1	4		09/18/21 05:11	87-68-3	
Isopropylbenzene (Cumene)	**2.7**	ug/L	2.0	1.3	4		09/18/21 05:11	98-82-8	
Methylene Chloride	ND	ug/L	8.0	7.8	4		09/18/21 05:11	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	2.0	1.7	4		09/18/21 05:11	1634-04-4	
Naphthalene	**19.1**	ug/L	8.0	2.6	4		09/18/21 05:11	91-20-3	
n-Propylbenzene	**6.4**	ug/L	2.0	1.4	4		09/18/21 05:11	103-65-1	
Styrene	ND	ug/L	2.0	1.2	4		09/18/21 05:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	1.2	4		09/18/21 05:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	0.90	4		09/18/21 05:11	79-34-5	
Tetrachloroethene	ND	ug/L	2.0	1.2	4		09/18/21 05:11	127-18-4	
Toluene	**778**	ug/L	2.0	1.9	4		09/18/21 05:11	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	8.0	3.2	4		09/18/21 05:11	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	8.0	2.6	4		09/18/21 05:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	2.0	1.3	4		09/18/21 05:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2.0	1.3	4		09/18/21 05:11	79-00-5	
Trichloroethene	ND	ug/L	2.0	1.5	4		09/18/21 05:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	4.0	1.2	4		09/18/21 05:11	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.0	1.0	4		09/18/21 05:11	96-18-4	
1,2,4-Trimethylbenzene	**56.2**	ug/L	2.0	2.0	4		09/18/21 05:11	95-63-6	
1,3,5-Trimethylbenzene	**15.3**	ug/L	2.0	1.3	4		09/18/21 05:11	108-67-8	
Vinyl chloride	ND	ug/L	4.0	1.5	4		09/18/21 05:11	75-01-4	
m&p-Xylene	**342**	ug/L	4.0	2.8	4		09/18/21 05:11	179601-23-1	
o-Xylene	**209**	ug/L	2.0	1.4	4		09/18/21 05:11	95-47-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	96	%	70-130		4		09/18/21 05:11	17060-07-0	
4-Bromofluorobenzene (S)	100	%	70-130		4		09/18/21 05:11	460-00-4	
Toluene-d8 (S)	98	%	70-130		4		09/18/21 05:11	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92561826

Sample: MW-63 **Lab ID: 92561826003** Collected: 09/16/21 12:15 Received: 09/16/21 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VPH NC Water	Analytical Method: MADEP VPH Pace Analytical Services - Charlotte								
Total VPH (C5-C12)	ND	ug/L	50.0	50.0	1		09/16/21 19:37		N2
Aliphatic (C05-C08)	ND	ug/L	50.0	50.0	1		09/16/21 19:37		N2
Aliphatic(C09-C12) Adjusted	ND	ug/L	50.0	50.0	1		09/16/21 19:37		N2
Aromatic (C09-C10)	ND	ug/L	50.0	50.0	1		09/16/21 19:37		N2
Surrogates									
4-Bromofluorobenzene (FID) (S)	93	%	70-130		1		09/16/21 19:37	460-00-4	
4-Bromofluorobenzene (PID) (S)	95	%	70-130		1		09/16/21 19:37	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/17/21 01:06	09/18/21 15:52	7439-92-1	
6200B MSV	Analytical Method: SM 6200B Pace Analytical Services - Charlotte								
Benzene	**0.35J**	ug/L	0.50	0.34	1		09/18/21 03:07	71-43-2	
Bromobenzene	ND	ug/L	0.50	0.29	1		09/18/21 03:07	108-86-1	
Bromochloromethane	ND	ug/L	0.50	0.47	1		09/18/21 03:07	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	0.31	1		09/18/21 03:07	75-27-4	
Bromoform	ND	ug/L	0.50	0.34	1		09/18/21 03:07	75-25-2	
Bromomethane	ND	ug/L	5.0	1.7	1		09/18/21 03:07	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	0.49	1		09/18/21 03:07	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	0.40	1		09/18/21 03:07	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	0.32	1		09/18/21 03:07	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	0.33	1		09/18/21 03:07	56-23-5	
Chlorobenzene	ND	ug/L	0.50	0.28	1		09/18/21 03:07	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		09/18/21 03:07	75-00-3	
Chloroform	ND	ug/L	0.50	0.35	1		09/18/21 03:07	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		09/18/21 03:07	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	0.32	1		09/18/21 03:07	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	0.32	1		09/18/21 03:07	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.34	1		09/18/21 03:07	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	0.36	1		09/18/21 03:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	0.27	1		09/18/21 03:07	106-93-4	
Dibromomethane	ND	ug/L	0.50	0.39	1		09/18/21 03:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	0.34	1		09/18/21 03:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	0.34	1		09/18/21 03:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	0.33	1		09/18/21 03:07	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	0.35	1		09/18/21 03:07	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	0.37	1		09/18/21 03:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	0.32	1		09/18/21 03:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	0.35	1		09/18/21 03:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	0.38	1		09/18/21 03:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.40	1		09/18/21 03:07	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	0.36	1		09/18/21 03:07	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	0.28	1		09/18/21 03:07	142-28-9	

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92561826

Sample: MW-63 **Lab ID: 92561826003** Collected: 09/16/21 12:15 Received: 09/16/21 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B Pace Analytical Services - Charlotte								
2,2-Dichloropropane	ND	ug/L	0.50	0.39	1		09/18/21 03:07	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	0.43	1		09/18/21 03:07	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.36	1		09/18/21 03:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.36	1		09/18/21 03:07	10061-02-6	
Diisopropyl ether	**3.3**	ug/L	0.50	0.31	1		09/18/21 03:07	108-20-3	
Ethylbenzene	**0.35J**	ug/L	0.50	0.30	1		09/18/21 03:07	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		09/18/21 03:07	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	0.33	1		09/18/21 03:07	98-82-8	
Methylene Chloride	ND	ug/L	2.0	2.0	1		09/18/21 03:07	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	0.50	0.42	1		09/18/21 03:07	1634-04-4	
Naphthalene	ND	ug/L	2.0	0.64	1		09/18/21 03:07	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	0.34	1		09/18/21 03:07	103-65-1	
Styrene	ND	ug/L	0.50	0.29	1		09/18/21 03:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.31	1		09/18/21 03:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.22	1		09/18/21 03:07	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	0.29	1		09/18/21 03:07	127-18-4	
Toluene	**1.7**	ug/L	0.50	0.48	1		09/18/21 03:07	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	0.81	1		09/18/21 03:07	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	0.64	1		09/18/21 03:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	0.33	1		09/18/21 03:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	0.32	1		09/18/21 03:07	79-00-5	
Trichloroethene	ND	ug/L	0.50	0.38	1		09/18/21 03:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		09/18/21 03:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	0.26	1		09/18/21 03:07	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.50	1		09/18/21 03:07	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.33	1		09/18/21 03:07	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.39	1		09/18/21 03:07	75-01-4	
m&p-Xylene	**1.7**	ug/L	1.0	0.71	1		09/18/21 03:07	179601-23-1	
o-Xylene	**0.89**	ug/L	0.50	0.34	1		09/18/21 03:07	95-47-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		09/18/21 03:07	17060-07-0	
4-Bromofluorobenzene (S)	101	%	70-130		1		09/18/21 03:07	460-00-4	
Toluene-d8 (S)	103	%	70-130		1		09/18/21 03:07	2037-26-5	

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Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92561826

Sample: MW-90DD **Lab ID: 92561826004** Collected: 09/16/21 13:30 Received: 09/16/21 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VPH NC Water	Analytical Method: MADEP VPH Pace Analytical Services - Charlotte								
Total VPH (C5-C12)	ND	ug/L	50.0	50.0	1		09/16/21 20:06		N2
Aliphatic (C05-C08)	ND	ug/L	50.0	50.0	1		09/16/21 20:06		N2
Aliphatic(C09-C12) Adjusted	ND	ug/L	50.0	50.0	1		09/16/21 20:06		N2
Aromatic (C09-C10)	ND	ug/L	50.0	50.0	1		09/16/21 20:06		N2
Surrogates									
4-Bromofluorobenzene (FID) (S)	100	%	70-130		1		09/16/21 20:06	460-00-4	
4-Bromofluorobenzene (PID) (S)	101	%	70-130		1		09/16/21 20:06	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/17/21 01:06	09/18/21 16:01	7439-92-1	
6200B MSV	Analytical Method: SM 6200B Pace Analytical Services - Charlotte								
Benzene	ND	ug/L	0.50	0.34	1		09/18/21 06:39	71-43-2	
Bromobenzene	ND	ug/L	0.50	0.29	1		09/18/21 06:39	108-86-1	
Bromochloromethane	ND	ug/L	0.50	0.47	1		09/18/21 06:39	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	0.31	1		09/18/21 06:39	75-27-4	
Bromoform	ND	ug/L	0.50	0.34	1		09/18/21 06:39	75-25-2	
Bromomethane	ND	ug/L	5.0	1.7	1		09/18/21 06:39	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	0.49	1		09/18/21 06:39	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	0.40	1		09/18/21 06:39	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	0.32	1		09/18/21 06:39	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	0.33	1		09/18/21 06:39	56-23-5	
Chlorobenzene	ND	ug/L	0.50	0.28	1		09/18/21 06:39	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		09/18/21 06:39	75-00-3	
Chloroform	ND	ug/L	0.50	0.35	1		09/18/21 06:39	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		09/18/21 06:39	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	0.32	1		09/18/21 06:39	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	0.32	1		09/18/21 06:39	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.34	1		09/18/21 06:39	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	0.36	1		09/18/21 06:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	0.27	1		09/18/21 06:39	106-93-4	
Dibromomethane	ND	ug/L	0.50	0.39	1		09/18/21 06:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	0.34	1		09/18/21 06:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	0.34	1		09/18/21 06:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	0.33	1		09/18/21 06:39	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	0.35	1		09/18/21 06:39	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	0.37	1		09/18/21 06:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	0.32	1		09/18/21 06:39	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	0.35	1		09/18/21 06:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	0.38	1		09/18/21 06:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.40	1		09/18/21 06:39	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	0.36	1		09/18/21 06:39	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	0.28	1		09/18/21 06:39	142-28-9	

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92561826

Sample: MW-90DD **Lab ID: 92561826004** Collected: 09/16/21 13:30 Received: 09/16/21 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B Pace Analytical Services - Charlotte								
2,2-Dichloropropane	ND	ug/L	0.50	0.39	1		09/18/21 06:39	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	0.43	1		09/18/21 06:39	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.36	1		09/18/21 06:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.36	1		09/18/21 06:39	10061-02-6	
Diisopropyl ether	ND	ug/L	0.50	0.31	1		09/18/21 06:39	108-20-3	
Ethylbenzene	ND	ug/L	0.50	0.30	1		09/18/21 06:39	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		09/18/21 06:39	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	0.33	1		09/18/21 06:39	98-82-8	
Methylene Chloride	ND	ug/L	2.0	2.0	1		09/18/21 06:39	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	0.50	0.42	1		09/18/21 06:39	1634-04-4	
Naphthalene	ND	ug/L	2.0	0.64	1		09/18/21 06:39	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	0.34	1		09/18/21 06:39	103-65-1	
Styrene	ND	ug/L	0.50	0.29	1		09/18/21 06:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.31	1		09/18/21 06:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.22	1		09/18/21 06:39	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	0.29	1		09/18/21 06:39	127-18-4	
Toluene	**0.72**	ug/L	0.50	0.48	1		09/18/21 06:39	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	0.81	1		09/18/21 06:39	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	0.64	1		09/18/21 06:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	0.33	1		09/18/21 06:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	0.32	1		09/18/21 06:39	79-00-5	
Trichloroethene	ND	ug/L	0.50	0.38	1		09/18/21 06:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		09/18/21 06:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	0.26	1		09/18/21 06:39	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.50	1		09/18/21 06:39	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.33	1		09/18/21 06:39	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.39	1		09/18/21 06:39	75-01-4	
m&p-Xylene	**0.80J**	ug/L	1.0	0.71	1		09/18/21 06:39	179601-23-1	
o-Xylene	**0.34J**	ug/L	0.50	0.34	1		09/18/21 06:39	95-47-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		09/18/21 06:39	17060-07-0	
4-Bromofluorobenzene (S)	102	%	70-130		1		09/18/21 06:39	460-00-4	
Toluene-d8 (S)	105	%	70-130		1		09/18/21 06:39	2037-26-5	

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(704)875-9092

ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92561826

Sample: EB-1-20210916 **Lab ID: 92561826005** Collected: 09/16/21 13:20 Received: 09/16/21 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VPH NC Water	Analytical Method: MADEP VPH Pace Analytical Services - Charlotte								
Total VPH (C5-C12)	ND	ug/L	50.0	50.0	1		09/16/21 20:34		N2
Aliphatic (C05-C08)	ND	ug/L	50.0	50.0	1		09/16/21 20:34		N2
Aliphatic(C09-C12) Adjusted	ND	ug/L	50.0	50.0	1		09/16/21 20:34		N2
Aromatic (C09-C10)	ND	ug/L	50.0	50.0	1		09/16/21 20:34		N2
Surrogates									
4-Bromofluorobenzene (FID) (S)	105	%	70-130		1		09/16/21 20:34	460-00-4	
4-Bromofluorobenzene (PID) (S)	107	%	70-130		1		09/16/21 20:34	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/17/21 01:06	09/18/21 16:08	7439-92-1	
6200B MSV	Analytical Method: SM 6200B Pace Analytical Services - Charlotte								
Benzene	ND	ug/L	0.50	0.34	1		09/18/21 00:45	71-43-2	
Bromobenzene	ND	ug/L	0.50	0.29	1		09/18/21 00:45	108-86-1	
Bromochloromethane	ND	ug/L	0.50	0.47	1		09/18/21 00:45	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	0.31	1		09/18/21 00:45	75-27-4	
Bromoform	ND	ug/L	0.50	0.34	1		09/18/21 00:45	75-25-2	
Bromomethane	ND	ug/L	5.0	1.7	1		09/18/21 00:45	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	0.49	1		09/18/21 00:45	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	0.40	1		09/18/21 00:45	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	0.32	1		09/18/21 00:45	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	0.33	1		09/18/21 00:45	56-23-5	
Chlorobenzene	ND	ug/L	0.50	0.28	1		09/18/21 00:45	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		09/18/21 00:45	75-00-3	
Chloroform	ND	ug/L	0.50	0.35	1		09/18/21 00:45	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		09/18/21 00:45	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	0.32	1		09/18/21 00:45	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	0.32	1		09/18/21 00:45	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.34	1		09/18/21 00:45	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	0.36	1		09/18/21 00:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	0.27	1		09/18/21 00:45	106-93-4	
Dibromomethane	ND	ug/L	0.50	0.39	1		09/18/21 00:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	0.34	1		09/18/21 00:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	0.34	1		09/18/21 00:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	0.33	1		09/18/21 00:45	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	0.35	1		09/18/21 00:45	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	0.37	1		09/18/21 00:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	0.32	1		09/18/21 00:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	0.35	1		09/18/21 00:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	0.38	1		09/18/21 00:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.40	1		09/18/21 00:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	0.36	1		09/18/21 00:45	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	0.28	1		09/18/21 00:45	142-28-9	

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92561826

Sample: EB-1-20210916 **Lab ID: 92561826005** Collected: 09/16/21 13:20 Received: 09/16/21 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B Pace Analytical Services - Charlotte								
2,2-Dichloropropane	ND	ug/L	0.50	0.39	1		09/18/21 00:45	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	0.43	1		09/18/21 00:45	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.36	1		09/18/21 00:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.36	1		09/18/21 00:45	10061-02-6	
Diisopropyl ether	ND	ug/L	0.50	0.31	1		09/18/21 00:45	108-20-3	
Ethylbenzene	ND	ug/L	0.50	0.30	1		09/18/21 00:45	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		09/18/21 00:45	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	0.33	1		09/18/21 00:45	98-82-8	
Methylene Chloride	ND	ug/L	2.0	2.0	1		09/18/21 00:45	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	0.50	0.42	1		09/18/21 00:45	1634-04-4	
Naphthalene	ND	ug/L	2.0	0.64	1		09/18/21 00:45	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	0.34	1		09/18/21 00:45	103-65-1	
Styrene	ND	ug/L	0.50	0.29	1		09/18/21 00:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.31	1		09/18/21 00:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.22	1		09/18/21 00:45	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	0.29	1		09/18/21 00:45	127-18-4	
Toluene	ND	ug/L	0.50	0.48	1		09/18/21 00:45	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	0.81	1		09/18/21 00:45	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	0.64	1		09/18/21 00:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	0.33	1		09/18/21 00:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	0.32	1		09/18/21 00:45	79-00-5	
Trichloroethene	ND	ug/L	0.50	0.38	1		09/18/21 00:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		09/18/21 00:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	0.26	1		09/18/21 00:45	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.50	1		09/18/21 00:45	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.33	1		09/18/21 00:45	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.39	1		09/18/21 00:45	75-01-4	
m&p-Xylene	ND	ug/L	1.0	0.71	1		09/18/21 00:45	179601-23-1	
o-Xylene	ND	ug/L	0.50	0.34	1		09/18/21 00:45	95-47-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		09/18/21 00:45	17060-07-0	
4-Bromofluorobenzene (S)	101	%	70-130		1		09/18/21 00:45	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		09/18/21 00:45	2037-26-5	

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92561826

Sample: FB-1-20210916 **Lab ID: 92561826006** Collected: 09/16/21 13:30 Received: 09/16/21 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VPH NC Water	Analytical Method: MADEP VPH Pace Analytical Services - Charlotte								
Total VPH (C5-C12)	ND	ug/L	50.0	50.0	1		09/16/21 21:03		N2
Aliphatic (C05-C08)	ND	ug/L	50.0	50.0	1		09/16/21 21:03		N2
Aliphatic(C09-C12) Adjusted	ND	ug/L	50.0	50.0	1		09/16/21 21:03		N2
Aromatic (C09-C10)	ND	ug/L	50.0	50.0	1		09/16/21 21:03		N2
Surrogates									
4-Bromofluorobenzene (FID) (S)	102	%	70-130		1		09/16/21 21:03	460-00-4	
4-Bromofluorobenzene (PID) (S)	102	%	70-130		1		09/16/21 21:03	460-00-4	
6200B MSV	Analytical Method: SM 6200B Pace Analytical Services - Charlotte								
Benzene	ND	ug/L	0.50	0.34	1		09/18/21 01:03	71-43-2	
Bromobenzene	ND	ug/L	0.50	0.29	1		09/18/21 01:03	108-86-1	
Bromochloromethane	ND	ug/L	0.50	0.47	1		09/18/21 01:03	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	0.31	1		09/18/21 01:03	75-27-4	
Bromoform	ND	ug/L	0.50	0.34	1		09/18/21 01:03	75-25-2	
Bromomethane	ND	ug/L	5.0	1.7	1		09/18/21 01:03	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	0.49	1		09/18/21 01:03	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	0.40	1		09/18/21 01:03	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	0.32	1		09/18/21 01:03	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	0.33	1		09/18/21 01:03	56-23-5	
Chlorobenzene	ND	ug/L	0.50	0.28	1		09/18/21 01:03	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		09/18/21 01:03	75-00-3	
Chloroform	ND	ug/L	0.50	0.35	1		09/18/21 01:03	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		09/18/21 01:03	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	0.32	1		09/18/21 01:03	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	0.32	1		09/18/21 01:03	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.34	1		09/18/21 01:03	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	0.36	1		09/18/21 01:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	0.27	1		09/18/21 01:03	106-93-4	
Dibromomethane	ND	ug/L	0.50	0.39	1		09/18/21 01:03	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	0.34	1		09/18/21 01:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	0.34	1		09/18/21 01:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	0.33	1		09/18/21 01:03	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	0.35	1		09/18/21 01:03	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	0.37	1		09/18/21 01:03	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	0.32	1		09/18/21 01:03	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	0.35	1		09/18/21 01:03	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	0.38	1		09/18/21 01:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.40	1		09/18/21 01:03	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	0.36	1		09/18/21 01:03	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	0.28	1		09/18/21 01:03	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	0.39	1		09/18/21 01:03	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	0.43	1		09/18/21 01:03	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.36	1		09/18/21 01:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.36	1		09/18/21 01:03	10061-02-6	

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92561826

Sample: FB-1-20210916 **Lab ID: 92561826006** Collected: 09/16/21 13:30 Received: 09/16/21 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B Pace Analytical Services - Charlotte								
Diisopropyl ether	ND	ug/L	0.50	0.31	1		09/18/21 01:03	108-20-3	
Ethylbenzene	ND	ug/L	0.50	0.30	1		09/18/21 01:03	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		09/18/21 01:03	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	0.33	1		09/18/21 01:03	98-82-8	
Methylene Chloride	ND	ug/L	2.0	2.0	1		09/18/21 01:03	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	0.50	0.42	1		09/18/21 01:03	1634-04-4	
Naphthalene	ND	ug/L	2.0	0.64	1		09/18/21 01:03	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	0.34	1		09/18/21 01:03	103-65-1	
Styrene	ND	ug/L	0.50	0.29	1		09/18/21 01:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.31	1		09/18/21 01:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.22	1		09/18/21 01:03	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	0.29	1		09/18/21 01:03	127-18-4	
Toluene	ND	ug/L	0.50	0.48	1		09/18/21 01:03	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	0.81	1		09/18/21 01:03	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	0.64	1		09/18/21 01:03	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	0.33	1		09/18/21 01:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	0.32	1		09/18/21 01:03	79-00-5	
Trichloroethene	ND	ug/L	0.50	0.38	1		09/18/21 01:03	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		09/18/21 01:03	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	0.26	1		09/18/21 01:03	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.50	1		09/18/21 01:03	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.33	1		09/18/21 01:03	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.39	1		09/18/21 01:03	75-01-4	
m&p-Xylene	ND	ug/L	1.0	0.71	1		09/18/21 01:03	179601-23-1	
o-Xylene	ND	ug/L	0.50	0.34	1		09/18/21 01:03	95-47-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		09/18/21 01:03	17060-07-0	
4-Bromofluorobenzene (S)	98	%	70-130		1		09/18/21 01:03	460-00-4	
Toluene-d8 (S)	103	%	70-130		1		09/18/21 01:03	2037-26-5	

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92561826

Sample: TRIP BLANK **Lab ID: 92561826007** Collected: 09/16/21 00:00 Received: 09/16/21 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B Pace Analytical Services - Charlotte								
Benzene	ND	ug/L	0.50	0.34	1		09/18/21 01:21	71-43-2	
Bromobenzene	ND	ug/L	0.50	0.29	1		09/18/21 01:21	108-86-1	
Bromochloromethane	ND	ug/L	0.50	0.47	1		09/18/21 01:21	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	0.31	1		09/18/21 01:21	75-27-4	
Bromoform	ND	ug/L	0.50	0.34	1		09/18/21 01:21	75-25-2	
Bromomethane	ND	ug/L	5.0	1.7	1		09/18/21 01:21	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	0.49	1		09/18/21 01:21	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	0.40	1		09/18/21 01:21	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	0.32	1		09/18/21 01:21	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	0.33	1		09/18/21 01:21	56-23-5	
Chlorobenzene	ND	ug/L	0.50	0.28	1		09/18/21 01:21	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		09/18/21 01:21	75-00-3	
Chloroform	ND	ug/L	0.50	0.35	1		09/18/21 01:21	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		09/18/21 01:21	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	0.32	1		09/18/21 01:21	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	0.32	1		09/18/21 01:21	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.34	1		09/18/21 01:21	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	0.36	1		09/18/21 01:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	0.27	1		09/18/21 01:21	106-93-4	
Dibromomethane	ND	ug/L	0.50	0.39	1		09/18/21 01:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	0.34	1		09/18/21 01:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	0.34	1		09/18/21 01:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	0.33	1		09/18/21 01:21	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	0.35	1		09/18/21 01:21	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	0.37	1		09/18/21 01:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	0.32	1		09/18/21 01:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	0.35	1		09/18/21 01:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	0.38	1		09/18/21 01:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.40	1		09/18/21 01:21	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	0.36	1		09/18/21 01:21	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	0.28	1		09/18/21 01:21	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	0.39	1		09/18/21 01:21	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	0.43	1		09/18/21 01:21	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.36	1		09/18/21 01:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.36	1		09/18/21 01:21	10061-02-6	
Diisopropyl ether	ND	ug/L	0.50	0.31	1		09/18/21 01:21	108-20-3	
Ethylbenzene	ND	ug/L	0.50	0.30	1		09/18/21 01:21	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		09/18/21 01:21	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	0.33	1		09/18/21 01:21	98-82-8	
Methylene Chloride	ND	ug/L	2.0	2.0	1		09/18/21 01:21	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	0.50	0.42	1		09/18/21 01:21	1634-04-4	
Naphthalene	ND	ug/L	2.0	0.64	1		09/18/21 01:21	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	0.34	1		09/18/21 01:21	103-65-1	
Styrene	ND	ug/L	0.50	0.29	1		09/18/21 01:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.31	1		09/18/21 01:21	630-20-6	

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92561826

Sample: TRIP BLANK **Lab ID: 92561826007** Collected: 09/16/21 00:00 Received: 09/16/21 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B Pace Analytical Services - Charlotte								
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.22	1		09/18/21 01:21	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	0.29	1		09/18/21 01:21	127-18-4	
Toluene	ND	ug/L	0.50	0.48	1		09/18/21 01:21	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	0.81	1		09/18/21 01:21	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	0.64	1		09/18/21 01:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	0.33	1		09/18/21 01:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	0.32	1		09/18/21 01:21	79-00-5	
Trichloroethene	ND	ug/L	0.50	0.38	1		09/18/21 01:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		09/18/21 01:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	0.26	1		09/18/21 01:21	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.50	1		09/18/21 01:21	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.33	1		09/18/21 01:21	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.39	1		09/18/21 01:21	75-01-4	
m&p-Xylene	ND	ug/L	1.0	0.71	1		09/18/21 01:21	179601-23-1	
o-Xylene	ND	ug/L	0.50	0.34	1		09/18/21 01:21	95-47-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		09/18/21 01:21	17060-07-0	
4-Bromofluorobenzene (S)	100	%	70-130		1		09/18/21 01:21	460-00-4	
Toluene-d8 (S)	103	%	70-130		1		09/18/21 01:21	2037-26-5	

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QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92561826

QC Batch: 647828 Analysis Method: MADEP VPH
QC Batch Method: MADEP VPH Analysis Description: VPH NC Water
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92561826001, 92561826003, 92561826004, 92561826005, 92561826006

METHOD BLANK: 3398175 Matrix: Water
Associated Lab Samples: 92561826001, 92561826003, 92561826004, 92561826005, 92561826006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (C05-C08)	ug/L	ND	50.0	50.0	09/16/21 17:41	N2
Aromatic (C09-C10)	ug/L	ND	50.0	50.0	09/16/21 17:41	N2
4-Bromofluorobenzene (FID) (S)	%	102	70-130		09/16/21 17:41	
4-Bromofluorobenzene (PID) (S)	%	103	70-130		09/16/21 17:41	

LABORATORY CONTROL SAMPLE & LCSD: 3398176 3398177

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	ug/L	300	289	288	96	96	70-130	0	25	N2
Aromatic (C09-C10)	ug/L	100	107	102	107	102	70-130	4	25	N2
4-Bromofluorobenzene (FID) (S)	%				106	103	70-130			
4-Bromofluorobenzene (PID) (S)	%				103	101	70-130			

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QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92561826

QC Batch: 648289
QC Batch Method: MADEP VPH
Analysis Method: MADEP VPH
Analysis Description: VPH NC Water
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92561826002

METHOD BLANK: 3400093 Matrix: Water
Associated Lab Samples: 92561826002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (C05-C08)	ug/L	ND	50.0	50.0	09/18/21 17:43	N2
Aromatic (C09-C10)	ug/L	ND	50.0	50.0	09/18/21 17:43	N2
4-Bromofluorobenzene (FID) (S)	%	102	70-130		09/18/21 17:43	
4-Bromofluorobenzene (PID) (S)	%	102	70-130		09/18/21 17:43	

LABORATORY CONTROL SAMPLE & LCSD: 3400094 3400095

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	ug/L	300	280	292	93	97	70-130	4	25	N2
Aromatic (C09-C10)	ug/L	100	103	105	103	105	70-130	2	25	N2
4-Bromofluorobenzene (FID) (S)	%				101	99	70-130			
4-Bromofluorobenzene (PID) (S)	%				98	95	70-130			

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QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92561826

QC Batch: 647888 | Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A | Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92561826001, 92561826002, 92561826003, 92561826004, 92561826005

METHOD BLANK: 3398429 Matrix: Water
Associated Lab Samples: 92561826001, 92561826002, 92561826003, 92561826004, 92561826005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	4.5	09/18/21 15:29	

LABORATORY CONTROL SAMPLE: 3398430

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	504	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3398431 3398432

Parameter	Units	92561826001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	482	480	96	95	75-125	0	20	

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QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92561826

QC Batch: 647992
QC Batch Method: SM 6200B
Analysis Method: SM 6200B
Analysis Description: 6200B MSV
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92561826001, 92561826002, 92561826003, 92561826004, 92561826005, 92561826006, 92561826007

METHOD BLANK: 3398641 Matrix: Water
Associated Lab Samples: 92561826001, 92561826002, 92561826003, 92561826004, 92561826005, 92561826006, 92561826007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	0.50	0.31	09/18/21 00:28	
1,1,1-Trichloroethane	ug/L	ND	0.50	0.33	09/18/21 00:28	
1,1,2,2-Tetrachloroethane	ug/L	ND	0.50	0.22	09/18/21 00:28	
1,1,2-Trichloroethane	ug/L	ND	0.50	0.32	09/18/21 00:28	
1,1-Dichloroethane	ug/L	ND	0.50	0.37	09/18/21 00:28	
1,1-Dichloroethene	ug/L	ND	0.50	0.35	09/18/21 00:28	
1,1-Dichloropropene	ug/L	ND	0.50	0.43	09/18/21 00:28	
1,2,3-Trichlorobenzene	ug/L	ND	2.0	0.81	09/18/21 00:28	
1,2,3-Trichloropropane	ug/L	ND	0.50	0.26	09/18/21 00:28	
1,2,4-Trichlorobenzene	ug/L	ND	2.0	0.64	09/18/21 00:28	
1,2,4-Trimethylbenzene	ug/L	ND	0.50	0.50	09/18/21 00:28	
1,2-Dibromo-3-chloropropane	ug/L	ND	1.0	0.34	09/18/21 00:28	
1,2-Dibromoethane (EDB)	ug/L	ND	0.50	0.27	09/18/21 00:28	
1,2-Dichlorobenzene	ug/L	ND	0.50	0.34	09/18/21 00:28	
1,2-Dichloroethane	ug/L	ND	0.50	0.32	09/18/21 00:28	
1,2-Dichloropropane	ug/L	ND	0.50	0.36	09/18/21 00:28	
1,3,5-Trimethylbenzene	ug/L	ND	0.50	0.33	09/18/21 00:28	
1,3-Dichlorobenzene	ug/L	ND	0.50	0.34	09/18/21 00:28	
1,3-Dichloropropane	ug/L	ND	0.50	0.28	09/18/21 00:28	
1,4-Dichlorobenzene	ug/L	ND	0.50	0.33	09/18/21 00:28	
2,2-Dichloropropane	ug/L	ND	0.50	0.39	09/18/21 00:28	
2-Chlorotoluene	ug/L	ND	0.50	0.32	09/18/21 00:28	
4-Chlorotoluene	ug/L	ND	0.50	0.32	09/18/21 00:28	
Benzene	ug/L	ND	0.50	0.34	09/18/21 00:28	
Bromobenzene	ug/L	ND	0.50	0.29	09/18/21 00:28	
Bromochloromethane	ug/L	ND	0.50	0.47	09/18/21 00:28	
Bromodichloromethane	ug/L	ND	0.50	0.31	09/18/21 00:28	
Bromoform	ug/L	ND	0.50	0.34	09/18/21 00:28	
Bromomethane	ug/L	ND	5.0	1.7	09/18/21 00:28	
Carbon tetrachloride	ug/L	ND	0.50	0.33	09/18/21 00:28	
Chlorobenzene	ug/L	ND	0.50	0.28	09/18/21 00:28	
Chloroethane	ug/L	ND	1.0	0.65	09/18/21 00:28	
Chloroform	ug/L	ND	0.50	0.35	09/18/21 00:28	
Chloromethane	ug/L	ND	1.0	0.54	09/18/21 00:28	
cis-1,2-Dichloroethene	ug/L	ND	0.50	0.38	09/18/21 00:28	
cis-1,3-Dichloropropene	ug/L	ND	0.50	0.36	09/18/21 00:28	
Dibromochloromethane	ug/L	ND	0.50	0.36	09/18/21 00:28	
Dibromomethane	ug/L	ND	0.50	0.39	09/18/21 00:28	
Dichlorodifluoromethane	ug/L	ND	0.50	0.35	09/18/21 00:28	
Diisopropyl ether	ug/L	ND	0.50	0.31	09/18/21 00:28	

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QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92561826

METHOD BLANK: 3398641 Matrix: Water
Associated Lab Samples: 92561826001, 92561826002, 92561826003, 92561826004, 92561826005, 92561826006, 92561826007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Ethylbenzene	ug/L	ND	0.50	0.30	09/18/21 00:28	
Hexachloro-1,3-butadiene	ug/L	1.6J	2.0	1.5	09/18/21 00:28	
Isopropylbenzene (Cumene)	ug/L	ND	0.50	0.33	09/18/21 00:28	
m&p-Xylene	ug/L	ND	1.0	0.71	09/18/21 00:28	
Methyl-tert-butyl ether	ug/L	ND	0.50	0.42	09/18/21 00:28	
Methylene Chloride	ug/L	ND	2.0	2.0	09/18/21 00:28	
n-Butylbenzene	ug/L	ND	0.50	0.49	09/18/21 00:28	
n-Propylbenzene	ug/L	ND	0.50	0.34	09/18/21 00:28	
Naphthalene	ug/L	ND	2.0	0.64	09/18/21 00:28	
o-Xylene	ug/L	ND	0.50	0.34	09/18/21 00:28	
sec-Butylbenzene	ug/L	ND	0.50	0.40	09/18/21 00:28	
Styrene	ug/L	ND	0.50	0.29	09/18/21 00:28	
tert-Butylbenzene	ug/L	ND	0.50	0.32	09/18/21 00:28	
Tetrachloroethene	ug/L	ND	0.50	0.29	09/18/21 00:28	
Toluene	ug/L	ND	0.50	0.48	09/18/21 00:28	
trans-1,2-Dichloroethene	ug/L	ND	0.50	0.40	09/18/21 00:28	
trans-1,3-Dichloropropene	ug/L	ND	0.50	0.36	09/18/21 00:28	
Trichloroethene	ug/L	ND	0.50	0.38	09/18/21 00:28	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	09/18/21 00:28	
Vinyl chloride	ug/L	ND	1.0	0.39	09/18/21 00:28	
1,2-Dichloroethane-d4 (S)	%	95	70-130		09/18/21 00:28	
4-Bromofluorobenzene (S)	%	101	70-130		09/18/21 00:28	
Toluene-d8 (S)	%	102	70-130		09/18/21 00:28	

LABORATORY CONTROL SAMPLE: 3398642

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	51.5	103	60-140	
1,1,1-Trichloroethane	ug/L	50	47.3	95	60-140	
1,1,2,2-Tetrachloroethane	ug/L	50	50.6	101	60-140	
1,1,2-Trichloroethane	ug/L	50	48.6	97	60-140	
1,1-Dichloroethane	ug/L	50	46.8	94	60-140	
1,1-Dichloroethene	ug/L	50	45.9	92	60-140	
1,1-Dichloropropene	ug/L	50	49.4	99	60-140	
1,2,3-Trichlorobenzene	ug/L	50	52.6	105	60-140	
1,2,3-Trichloropropane	ug/L	50	47.8	96	60-140	
1,2,4-Trichlorobenzene	ug/L	50	51.9	104	60-140	
1,2,4-Trimethylbenzene	ug/L	50	48.8	98	60-140	
1,2-Dibromo-3-chloropropane	ug/L	50	50.4	101	60-140	
1,2-Dibromoethane (EDB)	ug/L	50	50.4	101	60-140	
1,2-Dichlorobenzene	ug/L	50	47.5	95	60-140	
1,2-Dichloroethane	ug/L	50	44.4	89	60-140	
1,2-Dichloropropane	ug/L	50	49.9	100	60-140	
1,3,5-Trimethylbenzene	ug/L	50	48.8	98	60-140	

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QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92561826

LABORATORY CONTROL SAMPLE: 3398642

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichlorobenzene	ug/L	50	48.5	97	60-140	
1,3-Dichloropropane	ug/L	50	50.1	100	60-140	
1,4-Dichlorobenzene	ug/L	50	47.9	96	60-140	
2,2-Dichloropropane	ug/L	50	54.5	109	60-140	
2-Chlorotoluene	ug/L	50	49.0	98	60-140	
4-Chlorotoluene	ug/L	50	46.2	92	60-140	
Benzene	ug/L	50	47.7	95	60-140	
Bromobenzene	ug/L	50	48.1	96	60-140	
Bromochloromethane	ug/L	50	49.3	99	60-140	
Bromodichloromethane	ug/L	50	47.0	94	60-140	
Bromoform	ug/L	50	54.1	108	60-140	
Bromomethane	ug/L	50	51.4	103	60-140	
Carbon tetrachloride	ug/L	50	48.0	96	60-140	
Chlorobenzene	ug/L	50	47.8	96	60-140	
Chloroethane	ug/L	50	43.2	86	60-140	
Chloroform	ug/L	50	45.9	92	60-140	
Chloromethane	ug/L	50	47.1	94	60-140	
cis-1,2-Dichloroethene	ug/L	50	45.7	91	60-140	
cis-1,3-Dichloropropene	ug/L	50	52.8	106	60-140	
Dibromochloromethane	ug/L	50	53.8	108	60-140	
Dibromomethane	ug/L	50	47.7	95	60-140	
Dichlorodifluoromethane	ug/L	50	40.7	81	60-140	
Diisopropyl ether	ug/L	50	49.7	99	60-140	
Ethylbenzene	ug/L	50	47.1	94	60-140	
Hexachloro-1,3-butadiene	ug/L	50	49.6	99	60-140	
Isopropylbenzene (Cumene)	ug/L	50	50.2	100	60-140	
m&p-Xylene	ug/L	100	95.5	95	60-140	
Methyl-tert-butyl ether	ug/L	50	50.2	100	60-140	
Methylene Chloride	ug/L	50	49.4	99	60-140	
n-Butylbenzene	ug/L	50	49.6	99	60-140	
n-Propylbenzene	ug/L	50	48.6	97	60-140	
Naphthalene	ug/L	50	53.3	107	60-140	
o-Xylene	ug/L	50	48.1	96	60-140	
sec-Butylbenzene	ug/L	50	47.9	96	60-140	
Styrene	ug/L	50	50.9	102	60-140	
tert-Butylbenzene	ug/L	50	39.9	80	60-140	
Tetrachloroethene	ug/L	50	45.5	91	60-140	
Toluene	ug/L	50	45.3	91	60-140	
trans-1,2-Dichloroethene	ug/L	50	46.9	94	60-140	
trans-1,3-Dichloropropene	ug/L	50	53.3	107	60-140	
Trichloroethene	ug/L	50	48.8	98	60-140	
Trichlorofluoromethane	ug/L	50	41.9	84	60-140	
Vinyl chloride	ug/L	50	46.0	92	60-140	
1,2-Dichloroethane-d4 (S)	%			93	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			99	70-130	

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REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92561826

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3398643 3398644

Parameter	Units	92561095006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	2000	2000	2210	2080	110	104	60-140	6	30	
1,1,1-Trichloroethane	ug/L	ND	2000	2000	2280	2170	114	108	60-140	5	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	2000	2000	2110	2080	105	104	60-140	1	30	
1,1,2-Trichloroethane	ug/L	ND	2000	2000	2160	2010	108	100	60-140	8	30	
1,1-Dichloroethane	ug/L	ND	2000	2000	2300	2180	115	109	60-140	5	30	
1,1-Dichloroethene	ug/L	ND	2000	2000	2340	2240	117	112	60-140	5	30	
1,1-Dichloropropene	ug/L	ND	2000	2000	2340	2200	117	110	60-140	6	30	
1,2,3-Trichlorobenzene	ug/L	ND	2000	2000	2020	2150	101	108	60-140	6	30	
1,2,3-Trichloropropane	ug/L	ND	2000	2000	2060	1940	103	97	60-140	6	30	
1,2,4-Trichlorobenzene	ug/L	ND	2000	2000	1990	2170	100	108	60-140	8	30	
1,2,4-Trimethylbenzene	ug/L	2070	2000	2000	4080	4110	100	102	60-140	1	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	2000	2000	1940	1960	97	98	60-140	1	30	
1,2-Dibromoethane (EDB)	ug/L	ND	2000	2000	2150	2050	108	102	60-140	5	30	
1,2-Dichlorobenzene	ug/L	ND	2000	2000	2040	2010	102	101	60-140	2	30	
1,2-Dichloroethane	ug/L	ND	2000	2000	2130	1990	106	99	60-140	7	30	
1,2-Dichloropropane	ug/L	ND	2000	2000	2280	2190	114	109	60-140	4	30	
1,3,5-Trimethylbenzene	ug/L	445	2000	2000	2550	2520	105	104	60-140	1	30	
1,3-Dichlorobenzene	ug/L	ND	2000	2000	2050	2020	102	101	60-140	1	30	
1,3-Dichloropropane	ug/L	ND	2000	2000	2140	2040	107	102	60-140	5	30	
1,4-Dichlorobenzene	ug/L	ND	2000	2000	2050	2000	102	100	60-140	2	30	
2,2-Dichloropropane	ug/L	ND	2000	2000	2170	2030	108	102	60-140	6	30	
2-Chlorotoluene	ug/L	ND	2000	2000	2200	2120	110	106	60-140	4	30	
4-Chlorotoluene	ug/L	ND	2000	2000	2020	2010	101	100	60-140	1	30	
Benzene	ug/L	198	2000	2000	2440	2310	112	105	60-140	5	30	
Bromobenzene	ug/L	ND	2000	2000	2110	2060	105	103	60-140	2	30	
Bromochloromethane	ug/L	ND	2000	2000	2260	2090	113	105	60-140	7	30	
Bromodichloromethane	ug/L	ND	2000	2000	2160	2050	108	103	60-140	5	30	
Bromoform	ug/L	ND	2000	2000	2220	2130	111	107	60-140	4	30	
Bromomethane	ug/L	ND	2000	2000	1810	2260	90	113	60-140	22	30	
Carbon tetrachloride	ug/L	ND	2000	2000	2370	2230	118	112	60-140	6	30	
Chlorobenzene	ug/L	ND	2000	2000	2170	2060	109	103	60-140	5	30	
Chloroethane	ug/L	ND	2000	2000	2410	2350	121	117	60-140	3	30	
Chloroform	ug/L	ND	2000	2000	2250	2170	112	109	60-140	3	30	
Chloromethane	ug/L	ND	2000	2000	2080	2040	104	102	60-140	2	30	
cis-1,2-Dichloroethene	ug/L	ND	2000	2000	2210	2110	110	106	60-140	4	30	
cis-1,3-Dichloropropene	ug/L	ND	2000	2000	2190	2080	109	104	60-140	5	30	
Dibromochloromethane	ug/L	ND	2000	2000	2210	2100	111	105	60-140	5	30	
Dibromomethane	ug/L	ND	2000	2000	2200	2090	110	104	60-140	5	30	
Dichlorodifluoromethane	ug/L	ND	2000	2000	1920	1780	96	89	60-140	7	30	
Diisopropyl ether	ug/L	ND	2000	2000	2120	1960	106	98	60-140	8	30	
Ethylbenzene	ug/L	2240	2000	2000	4310	4250	104	101	60-140	1	30	
Hexachloro-1,3-butadiene	ug/L	ND	2000	2000	1960	2050	98	102	60-140	4	30	
Isopropylbenzene (Cumene)	ug/L	103	2000	2000	2400	2290	115	109	60-140	5	30	
m&p-Xylene	ug/L	9910	4000	4000	13800	13800	96	96	60-140	0	30	

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(704)875-9092

QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92561826

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3398643 3398644

Parameter	Units	92561095006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Methyl-tert-butyl ether	ug/L	ND	2000	2000	2120	2000	106	100	60-140	6	30	
Methylene Chloride	ug/L	ND	2000	2000	2420	2250	121	112	60-140	7	30	
n-Butylbenzene	ug/L	ND	2000	2000	2030	2120	102	106	60-140	4	30	
n-Propylbenzene	ug/L	256	2000	2000	2370	2300	106	102	60-140	3	30	
Naphthalene	ug/L	452	2000	2000	2520	2610	103	108	60-140	4	30	
o-Xylene	ug/L	4860	2000	2000	6820	6770	98	95	60-140	1	30	
sec-Butylbenzene	ug/L	ND	2000	2000	2040	2080	102	104	60-140	2	30	
Styrene	ug/L	ND	2000	2000	2220	2130	111	107	60-140	4	30	
tert-Butylbenzene	ug/L	ND	2000	2000	1770	1770	88	88	60-140	0	30	
Tetrachloroethene	ug/L	ND	2000	2000	2040	1970	102	99	60-140	4	30	
Toluene	ug/L	3930	2000	2000	5760	5690	92	88	60-140	1	30	
trans-1,2-Dichloroethene	ug/L	ND	2000	2000	2330	2210	116	110	60-140	5	30	
trans-1,3-Dichloropropene	ug/L	ND	2000	2000	2160	2040	108	102	60-140	5	30	
Trichloroethene	ug/L	ND	2000	2000	2290	2150	114	108	60-140	6	30	
Trichlorofluoromethane	ug/L	ND	2000	2000	2160	2070	108	103	60-140	4	30	
Vinyl chloride	ug/L	ND	2000	2000	2240	2150	112	108	60-140	4	30	
1,2-Dichloroethane-d4 (S)	%						95	95	70-130			
4-Bromofluorobenzene (S)	%						99	99	70-130			
Toluene-d8 (S)	%						99	98	70-130			

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QUALIFIERS

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92561826

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92561826

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92561826001	**MW-89D**	MADEP VPH	647828		
92561826002	**MW-07**	MADEP VPH	648289		
92561826003	**MW-63**	MADEP VPH	647828		
92561826004	**MW-90DD**	MADEP VPH	647828		
92561826005	**EB-1-20210916**	MADEP VPH	647828		
92561826006	**FB-1-20210916**	MADEP VPH	647828		
92561826001	**MW-89D**	EPA 3010A	647888	EPA 6010D	647920
92561826002	**MW-07**	EPA 3010A	647888	EPA 6010D	647920
92561826003	**MW-63**	EPA 3010A	647888	EPA 6010D	647920
92561826004	**MW-90DD**	EPA 3010A	647888	EPA 6010D	647920
92561826005	**EB-1-20210916**	EPA 3010A	647888	EPA 6010D	647920
92561826001	**MW-89D**	SM 6200B	647992		
92561826002	**MW-07**	SM 6200B	647992		
92561826003	**MW-63**	SM 6200B	647992		
92561826004	**MW-90DD**	SM 6200B	647992		
92561826005	**EB-1-20210916**	SM 6200B	647992		
92561826006	**FB-1-20210916**	SM 6200B	647992		
92561826007	**TRIP BLANK**	SM 6200B	647992		

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Pace Analytical	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: October 28, 2020 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.07	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☑ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: AECOM

Project #: WO# : 92561826

92561826

Courier: ☐ Commercial ☐ Fed Ex ☐ Pace ☐ UPS ☐ USPS ☐ Other: ☑ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☑ No

Date/Initials Person Examining Contents: JC 9-16-21

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☐ N/A

Thermometer: ☑ IR Gun ID: 92TOOL ☐ Wet ☐ Blue ☐ None Type of Ice:

Cooler Temp: 4.1 9-16-21 JC Correction Factor: Add/Subtract (°C) -0.1

Cooler Temp Corrected (°C): 4.0

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☑ No

Did samples originate from a foreign source (Internationally, including Hawaii and Puerto Rico)? ☐ Yes ☑ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☑ Yes	☐ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: Water	☑ Yes	☐ No	☐ N/A	9.
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☑ No	☐ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☑ Yes	☐ No	☐ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

***Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.**

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

****Bottom half of box is to list number of bottles**

Project #

WO#: 92561826

PM: BV Due Date: 09/17/21

CLIENT: 92-AECOM CHA

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1																10													
2																10													
3																10													
4																10													
5																10													
6																10													
7																2													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical
WWW.PACELABS.COM

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Page : 1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	AECOM	Report To:	Andy Wreschnig	Attention:	
Address:	6000 Fairview Road	Copy To:		Company Name:	
	Suite 200, Charlotte, NC 28210			Address:	
Email:	andrew.wreschnig@aecom.com	Purchase Order #:		Pace Quote:	60639876
Phone:	(704)716-0757 Fax	Project Name:	CPC Huntersville-60639876	Pace Project Manager:	bonnie.vang@pacelabs.com,
Requested Due Date:	9/17/21	Project #:		Pace Profile #:	12518-3

Regulatory Agency

State / Location: NC

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	6200B	VPH	n-butanol by 6200	6010-Pb	Trip BLANK	Residual Chlorine (Y/N)	12561826
1	MW-89D					9/16/21	1035		11			1	10						X	X	X	X			01
2	MW-07						1050		11			1	10						X	X	X	X			02
3	MW-63						1215		11			1	10						X	X	X	X			03
4	MW-90DD						1330		11			1	10						X	X	X	X			04
5	EB-1-20210916						1320		11			1	10						X	X	X	X			05
6	FB-1-20210916						1330		11			1	10						X	X	X	X	CW		06
7	TRIP BLANK																					X			07
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
RUSH 1-DAY TAT	SC/AECOM	9/16	1445	JB PACE MVL	9/16/21	1445	4.1	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed:

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

September 29, 2021

Andrew Wreschnig
AECOM
6000 Fairview Road
Suite 200
Charlotte, NC 28210

RE: Project: CPC HUNTERSVILLE
Pace Project No.: 92563172

Dear Andrew Wreschnig:

Enclosed are the analytical results for sample(s) received by the laboratory on September 23, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Teresa Amentt Jennings, AECOM
Jeff Morrison, Colonial Pipeline Company

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CERTIFICATIONS

Project: CPC HUNTERSVILLE
Pace Project No.: 92563172

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

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SAMPLE SUMMARY

Project: CPC HUNTERSVILLE
Pace Project No.: 92563172

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92563172001	**MW-91DD**	Water	09/23/21 16:15	09/23/21 17:15

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SAMPLE ANALYTE COUNT

Project: CPC HUNTERSVILLE
Pace Project No.: 92563172

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92563172001	**MW-91DD**	EPA 6010D	RDT	1	PASI-A

PASI-A = Pace Analytical Services - Asheville

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE
Pace Project No.: 92563172

Sample: MW-91DD **Lab ID: 92563172001** Collected: 09/23/21 16:15 Received: 09/23/21 17:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	**7.1**	ug/L	5.0	4.5	1	09/24/21 10:21	09/26/21 21:44	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE
Pace Project No.: 92563172

QC Batch: 649201
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92563172001

METHOD BLANK: 3405080 Matrix: Water
Associated Lab Samples: 92563172001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	4.5	09/26/21 21:38	

LABORATORY CONTROL SAMPLE: 3405081

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	500	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3405082 3405083

Parameter	Units	92563172001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	7.1	500	500	509	502	100	99	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: CPC HUNTERSVILLE
Pace Project No.: 92563172

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CPC HUNTERSVILLE
Pace Project No.: 92563172

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92563172001	**MW-91DD**	EPA 3010A	649201	EPA 6010D	649292

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Pace Analytical	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: October 28, 2020 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.07	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☑ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: AECOM

Project #: WO# : 92563172

92563172

Courier: ☐ Commercial ☐ Fed Ex ☐ Pace ☐ UPS ☐ USPS ☐ Other:____ ☑ Client

Custody Seal Present? ☐ Yes ☑ No **Seals Intact?** ☐ Yes ☑ No

Date/Initials Person Examining Contents: KS 9/23/21

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☑ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 92T064 ☑ Wet ☐ Blue ☐ None

Type of Ice:

Cooler Temp: 4.8 **Correction Factor:** Add/Subtract (°C) 0

Cooler Temp Corrected (°C): 4.8

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (Internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☑ Yes	☐ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WT				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☑ No	☐ N/A	10.
Trip Blank Present?	☐ Yes	☑ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

TB were not received

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

***Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.**

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

****Bottom half of box is to list number of bottles**

Project

WO#: 92563172

PM: BV Due Date: 09/29/21

CLIENT: 92-AECOM CHA

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastid Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1						1 ✓										7													
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples						
Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical
WWW.PACELABS.COM

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Page : 1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	AECOM	Report To:	Andy Wreschnig	Attention:	
Address:	6000 Fairview Road	Copy To:		Company Name:	
Suite 200, Charlotte, NC 28210				Address:	
Email:	andrew.wreschnig@aecom.com	Purchase Order #:		Pace Quote:	60639876
Phone:	(704)716-0757 Fax:	Project Name:	CPC Huntersville-60639876	Pace Project Manager:	bonnie.vang@pacelabs.com,
Requested Due Date:	1-Day TAT	Project #:		Pace Profile #:	8458 12518 -3

Regulatory Agency	
State / Location	NC

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	6200B	VPH	6010-Pb	n-butanol by 8015	Trip BLANK	DI Water	Residual Chlorine (Y/N)	92563172
1	MW-9IDD	WT		9/23/21	1615				8			1	7						X	X	X					1-Day TAT 001
2	Trip Blank	Lab Provided																					X			+ to 002
3																										9123/2
4																										
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
1-Day TAT	Mike de Kozlowski / AECOM	9/23/21	1715	KS Pace HVL	9/23/21	1715	4.8	X	N	Y

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Mike de Kozlowski		
SIGNATURE of SAMPLER:		DATE Signed:	9/23/21

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

September 29, 2021

Bonnie Vang
Pace Analytical Services - NC
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078

Project Location: CPC Huntersville
Client Job Number:
Project Number: 92563172
Laboratory Work Order Number: 21I1457

Enclosed are results of analyses for samples received by the laboratory on September 25, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Pace Analytical Services - NC
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
ATTN: Bonnie Vang

REPORT DATE: 9/29/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 92563172

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21I1457

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: CPC Huntersville

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-91DD	21I1457-01	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method MA VPH, only hydrocarbon ranges were requested and reported.

MADEP-VPH-Feb 2018 Rev 2.1

Qualifications:

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Butylcyclohexane
B291075-BS1

SM21-23 6200B

Qualifications:

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Naphthalene
21I1457-01[MW-91DD], B291095-BLK1, B291095-BS1, B291095-BSD1

MADEP-VPH-Feb 2018 Rev 2.1

No significant modifications were made to the method. All VPH samples were received preserved properly at pH <2 in the proper containers as specified on the chain-of-custody form unless specified in this narrative.

Analytical column used for VPH analysis is Restek, Rtx-502.2, 105meter, 0.53mmID, 3um df. Trap used for VPH analysis is Carbopack B/CarboSieveS-III.

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville | Sample Description: | Work Order: 21I1457

Date Received: 9/25/2021

Field Sample #: MW-91DD | Sampled: 9/23/2021 16:15

Sample ID: 21I1457-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	0.47	0.50	0.13	µg/L	1	J	SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
Bromoform	ND	0.50	0.29	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
Bromomethane	ND	2.0	1.1	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
n-Butylbenzene	0.51	0.50	0.14	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
Chloroform	0.72	0.50	0.19	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
Chloromethane	ND	1.0	0.38	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
Ethylbenzene	2.2	0.50	0.090	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
Isopropylbenzene (Cumene)	0.26	0.50	0.10	µg/L	1	J	SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
Naphthalene	1.4	0.50	0.15	µg/L	1	L-04	SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
n-Propylbenzene	0.88	0.50	0.080	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH

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Project Location: CPC Huntersville | Sample Description: | Work Order: 21I1457

Date Received: 9/25/2021

Field Sample #: MW-91DD | Sampled: 9/23/2021 16:15

Sample ID: 21I1457-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
Toluene	6.2	0.50	0.11	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
1,2,4-Trimethylbenzene	3.3	0.50	0.10	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
1,3,5-Trimethylbenzene	1.8	0.50	0.10	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
m+p Xylene	6.7	1.0	0.18	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH
o-Xylene	5.9	0.50	0.090	µg/L	1		SM21-23 6200B	9/27/21	9/28/21 0:53	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	117	70-130		9/28/21 0:53
Toluene-d8	108	70-130		9/28/21 0:53
4-Bromofluorobenzene	105	70-130		9/28/21 0:53

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Project Location: CPC Huntersville | Sample Description: | Work Order: 21I1457

Date Received: 9/25/2021

Field Sample #: MW-91DD | Sampled: 9/23/2021 16:15

Sample ID: 21I1457-01

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/27/21	9/28/21 2:52	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/27/21	9/28/21 2:52	KMB
Unadjusted C9-C12 Aliphatics	140	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/27/21	9/28/21 2:52	KMB
C9-C12 Aliphatics	120	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/27/21	9/28/21 2:52	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/27/21	9/28/21 2:52	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	120	70-130		9/28/21 2:52
2,5-Dibromotoluene (PID)	119	70-130		9/28/21 2:52

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Sample Extraction Data

Prep Method: MA VPH **Analytical Method: MADEP-VPH-Feb 2018 Rev 2.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21I1457-01 [MW-91DD]	B291075	5	5.00	09/27/21

Prep Method: SW-846 5030B **Analytical Method: SM21-23 6200B**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21I1457-01 [MW-91DD]	B291095	5	5.00	09/27/21

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291095 - SW-846 5030B										
Blank (B291095-BLK1)				Prepared & Analyzed: 09/27/21						
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromochloromethane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	2.0	µg/L							
n-Butylbenzene	ND	0.50	µg/L							
sec-Butylbenzene	ND	0.50	µg/L							
tert-Butylbenzene	ND	0.50	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
Naphthalene	ND	0.50	µg/L							L-04
n-Propylbenzene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
1,2,3-Trichlorobenzene	ND	1.0	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291095 - SW-846 5030B										
Blank (B291095-BLK1)				Prepared & Analyzed: 09/27/21						
Trichloroethylene	ND	0.50	µg/L							
Trichlorofluoromethane (Freon 11)	ND	0.50	µg/L							
1,2,3-Trichloropropane	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	0.50	µg/L							
m+p Xylene	ND	1.0	µg/L							
o-Xylene	ND	0.50	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*28.8*		µg/L	25.0		115	70-130			
Surrogate: Toluene-d8	*27.5*		µg/L	25.0		110	70-130			
Surrogate: 4-Bromofluorobenzene	*26.0*		µg/L	25.0		104	70-130			
LCS (B291095-BS1)				Prepared & Analyzed: 09/27/21						
Benzene	10.6	0.50	µg/L	10.0		106	70-130			
Bromobenzene	10.2	0.50	µg/L	10.0		102	70-130			
Bromochloromethane	10.5	0.50	µg/L	10.0		105	70-130			
Bromodichloromethane	11.5	0.50	µg/L	10.0		115	70-130			
Bromoform	10.3	0.50	µg/L	10.0		103	70-130			
Bromomethane	11.5	2.0	µg/L	10.0		115	60-140			†
n-Butylbenzene	9.52	0.50	µg/L	10.0		95.2	70-130			
sec-Butylbenzene	10.2	0.50	µg/L	10.0		102	70-130			
tert-Butylbenzene	10.5	0.50	µg/L	10.0		105	70-130			
Carbon Tetrachloride	11.8	0.50	µg/L	10.0		118	70-130			
Chlorobenzene	10.9	0.50	µg/L	10.0		109	70-130			
Chlorodibromomethane	11.2	0.50	µg/L	10.0		112	70-130			
Chloroethane	11.8	0.50	µg/L	10.0		118	60-140			
Chloroform	10.7	0.50	µg/L	10.0		107	70-130			
Chloromethane	11.3	0.60	µg/L	10.0		113	60-140			†
2-Chlorotoluene	10.5	0.50	µg/L	10.0		105	70-130			
4-Chlorotoluene	10.6	0.50	µg/L	10.0		106	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.55	5.0	µg/L	10.0		95.5	70-130			
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0		106	70-130			
Dibromomethane	10.9	1.0	µg/L	10.0		109	70-130			
1,2-Dichlorobenzene	10.6	0.50	µg/L	10.0		106	70-130			
1,3-Dichlorobenzene	10.5	0.50	µg/L	10.0		105	70-130			
1,4-Dichlorobenzene	10.1	0.50	µg/L	10.0		101	70-130			
Dichlorodifluoromethane (Freon 12)	11.5	0.50	µg/L	10.0		115	60-140			†
1,1-Dichloroethane	10.9	0.50	µg/L	10.0		109	70-130			
1,2-Dichloroethane	11.8	0.50	µg/L	10.0		118	70-130			
1,1-Dichloroethylene	11.0	0.50	µg/L	10.0		110	70-130			
cis-1,2-Dichloroethylene	10.8	0.50	µg/L	10.0		108	70-130			
trans-1,2-Dichloroethylene	10.2	0.50	µg/L	10.0		102	70-130			
1,2-Dichloropropane	11.0	0.50	µg/L	10.0		110	70-130			
1,3-Dichloropropane	10.9	0.50	µg/L	10.0		109	70-130			
2,2-Dichloropropane	10.6	0.50	µg/L	10.0		106	70-130			†
1,1-Dichloropropene	11.0	0.50	µg/L	10.0		110	70-130			
cis-1,3-Dichloropropene	11.2	0.50	µg/L	10.0		112	70-130			
trans-1,3-Dichloropropene	11.0	0.50	µg/L	10.0		110	70-130			
Diisopropyl Ether (DIPE)	10.2	0.50	µg/L	10.0		102	70-130			
Ethylbenzene	10.6	0.50	µg/L	10.0		106	70-130			
Hexachlorobutadiene	11.3	0.60	µg/L	10.0		113	70-130			
Isopropylbenzene (Cumene)	11.0	0.50	µg/L	10.0		110	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291095 - SW-846 5030B												
LCS (B291095-BS1)				Prepared & Analyzed: 09/27/21								
Methyl tert-Butyl Ether (MTBE)	10.0	0.50	µg/L	10.0		100		70-130				
Methylene Chloride	10.2	5.0	µg/L	10.0		102		70-130				
Naphthalene	5.72	0.50	µg/L	10.0		**57.2**	*	70-130			L-04	†
n-Propylbenzene	10.4	0.50	µg/L	10.0		104		70-130				
Styrene	10.9	0.50	µg/L	10.0		109		70-130				
1,1,1,2-Tetrachloroethane	11.3	0.50	µg/L	10.0		113		70-130				
1,1,2,2-Tetrachloroethane	10.2	0.50	µg/L	10.0		102		70-130				
Tetrachloroethylene	11.6	0.50	µg/L	10.0		116		70-130				
Toluene	11.1	0.50	µg/L	10.0		111		70-130				
1,2,3-Trichlorobenzene	7.12	1.0	µg/L	10.0		71.2		70-130				
1,2,4-Trichlorobenzene	7.86	0.50	µg/L	10.0		78.6		70-130				
1,1,1-Trichloroethane	11.5	0.50	µg/L	10.0		115		70-130				
1,1,2-Trichloroethane	11.1	0.50	µg/L	10.0		111		70-130				
Trichloroethylene	11.8	0.50	µg/L	10.0		118		70-130				
Trichlorofluoromethane (Freon 11)	11.0	0.50	µg/L	10.0		110		70-130				
1,2,3-Trichloropropane	10.7	0.50	µg/L	10.0		107		70-130				
1,2,4-Trimethylbenzene	10.3	0.50	µg/L	10.0		103		70-130				
1,3,5-Trimethylbenzene	11.0	0.50	µg/L	10.0		110		70-130				
Vinyl Chloride	11.5	0.50	µg/L	10.0		115		60-140				†
m+p Xylene	21.6	1.0	µg/L	20.0		108		70-130				
o-Xylene	10.9	0.50	µg/L	10.0		109		70-130				
Surrogate: 1,2-Dichloroethane-d4	*28.3*		µg/L	25.0		113		70-130				
Surrogate: Toluene-d8	*27.1*		µg/L	25.0		108		70-130				
Surrogate: 4-Bromofluorobenzene	*26.5*		µg/L	25.0		106		70-130				
LCS Dup (B291095-BSD1)				Prepared & Analyzed: 09/27/21								
Benzene	10.6	0.50	µg/L	10.0		106		70-130	0.566	25		
Bromobenzene	10.2	0.50	µg/L	10.0		102		70-130	0.00	25		
Bromochloromethane	11.1	0.50	µg/L	10.0		111		70-130	5.64	25		
Bromodichloromethane	11.4	0.50	µg/L	10.0		114		70-130	1.31	25		
Bromoform	10.4	0.50	µg/L	10.0		104		70-130	0.675	25		
Bromomethane	10.6	2.0	µg/L	10.0		106		60-140	8.40	25		†
n-Butylbenzene	9.66	0.50	µg/L	10.0		96.6		70-130	1.46	25		
sec-Butylbenzene	10.1	0.50	µg/L	10.0		101		70-130	1.67	25		
tert-Butylbenzene	11.1	0.50	µg/L	10.0		111		70-130	5.45	25		
Carbon Tetrachloride	11.6	0.50	µg/L	10.0		116		70-130	1.37	25		
Chlorobenzene	10.8	0.50	µg/L	10.0		108		70-130	1.01	25		
Chlorodibromomethane	11.0	0.50	µg/L	10.0		110		70-130	1.26	25		
Chloroethane	11.7	0.50	µg/L	10.0		117		60-140	0.425	25		
Chloroform	10.9	0.50	µg/L	10.0		109		70-130	1.94	25		
Chloromethane	11.4	0.60	µg/L	10.0		114		60-140	0.968	25		†
2-Chlorotoluene	10.1	0.50	µg/L	10.0		101		70-130	4.07	25		
4-Chlorotoluene	10.5	0.50	µg/L	10.0		105		70-130	0.949	25		
1,2-Dibromo-3-chloropropane (DBCP)	10.0	5.0	µg/L	10.0		100		70-130	4.60	25		
1,2-Dibromoethane (EDB)	10.7	0.50	µg/L	10.0		107		70-130	1.69	25		
Dibromomethane	10.2	1.0	µg/L	10.0		102		70-130	6.52	25		
1,2-Dichlorobenzene	10.5	0.50	µg/L	10.0		105		70-130	0.475	25		
1,3-Dichlorobenzene	10.8	0.50	µg/L	10.0		108		70-130	3.38	25		
1,4-Dichlorobenzene	10.2	0.50	µg/L	10.0		102		70-130	1.28	25		
Dichlorodifluoromethane (Freon 12)	11.4	0.50	µg/L	10.0		114		60-140	1.05	25		†
1,1-Dichloroethane	10.5	0.50	µg/L	10.0		105		70-130	3.36	25		
1,2-Dichloroethane	11.7	0.50	µg/L	10.0		117		70-130	1.02	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291095 - SW-846 5030B												
LCS Dup (B291095-BSD1)				Prepared & Analyzed: 09/27/21								
1,1-Dichloroethylene	11.0	0.50	µg/L	10.0		110		70-130	0.182	25		
cis-1,2-Dichloroethylene	10.9	0.50	µg/L	10.0		109		70-130	1.01	25		
trans-1,2-Dichloroethylene	10.1	0.50	µg/L	10.0		101		70-130	0.984	25		
1,2-Dichloropropane	11.0	0.50	µg/L	10.0		110		70-130	0.0913	25		
1,3-Dichloropropane	10.6	0.50	µg/L	10.0		106		70-130	2.32	25		
2,2-Dichloropropane	10.7	0.50	µg/L	10.0		107		70-130	1.13	25		†
1,1-Dichloropropene	10.8	0.50	µg/L	10.0		108		70-130	1.47	25		
cis-1,3-Dichloropropene	11.4	0.50	µg/L	10.0		114		70-130	1.06	25		
trans-1,3-Dichloropropene	10.8	0.50	µg/L	10.0		108		70-130	1.93	25		
Diisopropyl Ether (DIPE)	10.8	0.50	µg/L	10.0		108		70-130	5.23	25		
Ethylbenzene	10.6	0.50	µg/L	10.0		106		70-130	0.659	25		
Hexachlorobutadiene	11.5	0.60	µg/L	10.0		115		70-130	2.11	25		
Isopropylbenzene (Cumene)	10.8	0.50	µg/L	10.0		108		70-130	2.11	25		
Methyl tert-Butyl Ether (MTBE)	10.2	0.50	µg/L	10.0		102		70-130	1.69	25		
Methylene Chloride	10.5	5.0	µg/L	10.0		105		70-130	2.41	25		
Naphthalene	6.04	0.50	µg/L	10.0		**60.4**	*	70-130	5.44	25	L-04	†
n-Propylbenzene	10.3	0.50	µg/L	10.0		103		70-130	1.07	25		
Styrene	10.8	0.50	µg/L	10.0		108		70-130	1.10	25		
1,1,1,2-Tetrachloroethane	11.8	0.50	µg/L	10.0		118		70-130	3.89	25		
1,1,2,2-Tetrachloroethane	10.3	0.50	µg/L	10.0		103		70-130	0.488	25		
Tetrachloroethylene	11.3	0.50	µg/L	10.0		113		70-130	2.45	25		
Toluene	10.8	0.50	µg/L	10.0		108		70-130	2.66	25		
1,2,3-Trichlorobenzene	7.64	1.0	µg/L	10.0		76.4		70-130	7.05	25		
1,2,4-Trichlorobenzene	8.24	0.50	µg/L	10.0		82.4		70-130	4.72	25		
1,1,1-Trichloroethane	11.5	0.50	µg/L	10.0		115		70-130	0.347	25		
1,1,2-Trichloroethane	11.2	0.50	µg/L	10.0		112		70-130	0.895	25		
Trichloroethylene	11.4	0.50	µg/L	10.0		114		70-130	3.46	25		
Trichlorofluoromethane (Freon 11)	11.1	0.50	µg/L	10.0		111		70-130	1.36	25		
1,2,3-Trichloropropane	9.72	0.50	µg/L	10.0		97.2		70-130	9.51	25		
1,2,4-Trimethylbenzene	10.3	0.50	µg/L	10.0		103		70-130	0.194	25		
1,3,5-Trimethylbenzene	10.7	0.50	µg/L	10.0		107		70-130	2.59	25		
Vinyl Chloride	11.4	0.50	µg/L	10.0		114		60-140	0.871	25		†
m+p Xylene	21.5	1.0	µg/L	20.0		107		70-130	0.325	25		
o-Xylene	10.7	0.50	µg/L	10.0		107		70-130	1.85	25		
Surrogate: 1,2-Dichloroethane-d4	*29.4*		µg/L	25.0		117		70-130				
Surrogate: Toluene-d8	*27.6*		µg/L	25.0		110		70-130				
Surrogate: 4-Bromofluorobenzene	*26.7*		µg/L	25.0		107		70-130				

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B291075 - MA VPH											
Blank (B291075-BLK1)				Prepared & Analyzed: 09/27/21							
Unadjusted C5-C8 Aliphatics	ND	100	µg/L								
C5-C8 Aliphatics	ND	100	µg/L								
Unadjusted C9-C12 Aliphatics	ND	100	µg/L								
C9-C12 Aliphatics	ND	100	µg/L								
C9-C10 Aromatics	ND	100	µg/L								
Benzene	ND	1.0	µg/L								
Butylcyclohexane	ND	1.0	µg/L								
Decane	ND	1.0	µg/L								
Ethylbenzene	ND	1.0	µg/L								
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L								
2-Methylpentane	ND	1.0	µg/L								
Naphthalene	ND	5.0	µg/L								
Nonane	ND	1.0	µg/L								
Pentane	ND	1.0	µg/L								
Toluene	ND	1.0	µg/L								
1,2,4-Trimethylbenzene	ND	1.0	µg/L								
2,2,4-Trimethylpentane	ND	1.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 2,5-Dibromotoluene (FID)	*37.5*		µg/L	40.0		93.9		70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*37.6*		µg/L	40.0		93.9		70-130			
LCS (B291075-BS1)				Prepared & Analyzed: 09/27/21							
Benzene	48.2	1.0	µg/L	50.0		96.4		70-130			
Butylcyclohexane	66.0	1.0	µg/L	50.0		**132**	*	70-130			L-07
Decane	55.6	1.0	µg/L	50.0		111		70-130			
Ethylbenzene	49.5	1.0	µg/L	50.0		99.0		70-130			
Methyl tert-Butyl Ether (MTBE)	49.2	1.0	µg/L	50.0		98.4		70-130			
2-Methylpentane	42.5	1.0	µg/L	50.0		85.0		70-130			
Naphthalene	52.6	5.0	µg/L	50.0		105		70-130			
Nonane	65.2	1.0	µg/L	50.0		130		70-130			
Pentane	41.4	1.0	µg/L	50.0		82.8		70-130			
Toluene	50.1	1.0	µg/L	50.0		100		70-130			
1,2,4-Trimethylbenzene	47.0	1.0	µg/L	50.0		94.0		70-130			
2,2,4-Trimethylpentane	43.3	1.0	µg/L	50.0		86.6		70-130			
m+p Xylene	100	2.0	µg/L	100		100		70-130			
o-Xylene	50.1	1.0	µg/L	50.0		100		70-130			
Surrogate: 2,5-Dibromotoluene (FID)	*43.7*		µg/L	40.0		109		70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*43.6*		µg/L	40.0		109		70-130			
LCS Dup (B291075-BSD1)				Prepared & Analyzed: 09/27/21							
Benzene	48.8	1.0	µg/L	50.0		97.6		70-130	1.27	25	
Butylcyclohexane	64.5	1.0	µg/L	50.0		129		70-130	2.30	25	
Decane	53.4	1.0	µg/L	50.0		107		70-130	4.07	25	
Ethylbenzene	49.1	1.0	µg/L	50.0		98.3		70-130	0.671	25	
Methyl tert-Butyl Ether (MTBE)	51.3	1.0	µg/L	50.0		103		70-130	4.32	25	
2-Methylpentane	42.3	1.0	µg/L	50.0		84.5		70-130	0.562	25	
Naphthalene	48.9	5.0	µg/L	50.0		97.8		70-130	7.31	25	
Nonane	64.8	1.0	µg/L	50.0		130		70-130	0.591	25	
Pentane	40.8	1.0	µg/L	50.0		81.7		70-130	1.29	25	
Toluene	49.9	1.0	µg/L	50.0		99.8		70-130	0.438	25	
1,2,4-Trimethylbenzene	46.4	1.0	µg/L	50.0		92.9		70-130	1.22	25	

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291075 - MA VPH										
LCS Dup (B291075-BSD1)				Prepared & Analyzed: 09/27/21						
2,2,4-Trimethylpentane	40.5	1.0	µg/L	50.0		81.0	70-130	6.70	25	
m+p Xylene	100	2.0	µg/L	100		100	70-130	0.0630	25	
o-Xylene	51.5	1.0	µg/L	50.0		103	70-130	2.83	25	
Surrogate: 2,5-Dibromotoluene (FID)	*39.5*		µg/L	40.0		98.8	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*38.9*		µg/L	40.0		97.3	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
MADEP-VPH-Feb 2018 Rev 2.1 in Water	
Unadjusted C5-C8 Aliphatics	CT,NC,ME,NH-P
C5-C8 Aliphatics	CT,NC,ME,NH-P
Unadjusted C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C10 Aromatics	CT,NC,ME,NH-P
Benzene	CT,NC,ME,NH-P
Ethylbenzene	CT,NC,ME,NH-P
Methyl tert-Butyl Ether (MTBE)	CT,NC,ME,NH-P
Naphthalene	CT,NC,ME,NH-P
Toluene	CT,NC,ME,NH-P
m+p Xylene	CT,NC,ME,NH-P
o-Xylene	CT,NC,ME,NH-P
SM21-23 6200B in Water	
Benzene	NC
Bromobenzene	NC
Bromochloromethane	NC
Bromodichloromethane	NC
Bromoform	NC
Bromomethane	NC
n-Butylbenzene	NC
sec-Butylbenzene	NC
tert-Butylbenzene	NC
Carbon Tetrachloride	NC
Chlorobenzene	NC
Chlorodibromomethane	NC
Chloroethane	NC
Chloroform	NC
Chloromethane	NC
2-Chlorotoluene	NC
4-Chlorotoluene	NC
1,2-Dibromoethane (EDB)	NC
1,2-Dichlorobenzene	NC
1,3-Dichlorobenzene	NC
1,4-Dichlorobenzene	NC
Dichlorodifluoromethane (Freon 12)	NC
1,1-Dichloroethane	NC
1,2-Dichloroethane	NC
1,1-Dichloroethylene	NC
cis-1,2-Dichloroethylene	NC
trans-1,2-Dichloroethylene	NC
1,2-Dichloropropane	NC
1,3-Dichloropropane	NC
2,2-Dichloropropane	NC
1,1-Dichloropropene	NC
cis-1,3-Dichloropropene	NC
trans-1,3-Dichloropropene	NC

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SM21-23 6200B in Water	
Diisopropyl Ether (DIPE)	NC
Ethylbenzene	NC
Isopropylbenzene (Cumene)	NC
Methyl tert-Butyl Ether (MTBE)	NC
Methylene Chloride	NC
Naphthalene	NC
n-Propylbenzene	NC
Styrene	NC
1,1,2,2-Tetrachloroethane	NC
Tetrachloroethylene	NC
Toluene	NC
1,2,3-Trichlorobenzene	NC
1,2,4-Trichlorobenzene	NC
1,1,1-Trichloroethane	NC
1,1,2-Trichloroethane	NC
Trichloroethylene	NC
Trichlorofluoromethane (Freon 11)	NC
1,2,3-Trichloropropane	NC
1,2,4-Trimethylbenzene	NC
1,3,5-Trimethylbenzene	NC
Vinyl Chloride	NC
m+p Xylene	NC
o-Xylene	NC

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

Internal Transfer Chain of Custody

21I1457

☐ Samples Pre-Logged into eCOC.

State Of Origin: NC
Cert. Needed: [X] Yes ☐ No
Owner Received Date: 9/23/2021 Results Requested By: 9/28/2021

Pace Analytical®
www.pacelabs.com

Workorder: 92563172 **Workorder Name:** CPC HUNTERSVILLE

Report To	Subcontract To
Bonnie Vang Pace Analytical Charlotte 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 Phone (704)875-9092	Pace New England 39 Spruce St. East Longmeadow, MA 01028 Phone (413)525-2332

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HCL						Requested Analysis: 6200*	NC VPH											LAB USE ONLY
1	MW-91DD	PS	9/23/2021 16:15	92563172001	Water	7						X	X											
2																								
3																								
4																								
5																								

Transfers	Released By	Date/Time	Received By	Date/Time
1	PACE HVL	9-24-21 1800		9/25 955
2				
3				

Comments: 2 day TAT
List Attached

Cooler Temperature on Receipt 5.9 °C | Custody Seal Y or (N) | Received on Ice (Y) or N | Samples Intact (Y) or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.

FedEx

TRACK ANOTHER SHIPMENT

987548457597

ADD NICKNAME

Delivered
Saturday, September 25, 2021 at 9:55 am

THIS IS 1 OF 4 PIECES

DELIVERED

Signed for by: R.RAI

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM	TO
Huntersville, NC US	EAST LONGMEADOW, MA US

4 Piece Shipment

TRACKING ID	STATUS	SHIP DATE	DELIVERY DATE	HANDLING PIECE UNITS	SHIPPER CITY, STATE	RECIPIENT CITY, STATE
987548457564 (master)	Delivered	9/24/21	9/25/21	0	Huntersville NC	EAST LONGMEADOW MA
987548457575	Delivered	9/24/21	9/25/21	0	Huntersville NC	EAST LONGMEADOW MA
987548457586	Delivered	9/24/21	9/25/21	0	Huntersville NC	EAST LONGMEADOW MA
987548457597	Delivered	9/24/21	9/25/21	0	Huntersville NC	EAST LONGMEADOW MA

Travel History

TIME ZONE
Local Scan Time

Saturday, September 25, 2021

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Pace

Received By MAP Date 9/25 Time 955

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____ Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 3 Actual Temp - 5.9 By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F

Are there Rushes? ~~F~~ T Who was notified? No weekend staff

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? NA Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-	7	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

September 30, 2021

Andrew Wreschnig
AECOM
6000 Fairview Road
Suite 200
Charlotte, NC 28210

RE: Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92563487

Dear Andrew Wreschnig:

Enclosed are the analytical results for sample(s) received by the laboratory on September 27, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Teresa Amentt Jennings, AECOM
Jeff Morrison, Colonial Pipeline Company

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CERTIFICATIONS

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92563487

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

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SAMPLE SUMMARY

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92563487

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92563487001	**MW-15**	Water	09/27/21 11:20	09/27/21 17:10
92563487002	**MW-05**	Water	09/27/21 11:35	09/27/21 17:10
92563487003	**MW-89D**	Water	09/27/21 12:30	09/27/21 17:10
92563487004	**MW-12**	Water	09/27/21 12:45	09/27/21 17:10
92563487005	**MW-02**	Water	09/27/21 13:10	09/27/21 17:10
92563487006	**EB-1-20210927**	Water	09/27/21 13:30	09/27/21 17:10
92563487007	**FB-1-20210927**	Water	09/27/21 14:00	09/27/21 17:10
92563487008	**MW-04**	Water	09/27/21 14:15	09/27/21 17:10
92563487009	**MW-07D**	Water	09/27/21 14:25	09/27/21 17:10
92563487010	**MW-06**	Water	09/27/21 14:45	09/27/21 17:10
92563487011	**MW-35**	Water	09/27/21 15:40	09/27/21 17:10
92563487012	**MW-27**	Water	09/27/21 16:30	09/27/21 17:10
92563487013	**DUP-1-20210927**	Water	09/27/21 00:00	09/27/21 17:10
92563487014	**TRIP BLANK**	Water	09/27/21 00:00	09/27/21 17:10

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SAMPLE ANALYTE COUNT

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92563487

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92563487001	**MW-15**	EPA 6010D	RDT	1	PASI-A
92563487002	**MW-05**	EPA 6010D	RDT	1	PASI-A
92563487003	**MW-89D**	EPA 6010D	RDT	1	PASI-A
92563487004	**MW-12**	EPA 6010D	RDT	1	PASI-A
92563487005	**MW-02**	EPA 6010D	RDT	1	PASI-A
92563487006	**EB-1-20210927**	EPA 6010D	RDT	1	PASI-A
92563487008	**MW-04**	EPA 6010D	RDT	1	PASI-A
92563487009	**MW-07D**	EPA 6010D	RDT	1	PASI-A
92563487010	**MW-06**	EPA 6010D	RDT	1	PASI-A
92563487011	**MW-35**	EPA 6010D	RDT	1	PASI-A
92563487012	**MW-27**	EPA 6010D	RDT	1	PASI-A
92563487013	**DUP-1-20210927**	EPA 6010D	RDT	1	PASI-A

PASI-A = Pace Analytical Services - Asheville

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92563487

Sample: MW-15 **Lab ID: 92563487001** Collected: 09/27/21 11:20 Received: 09/27/21 17:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/28/21 12:46	09/28/21 18:10	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92563487

Sample: MW-05 **Lab ID: 92563487002** Collected: 09/27/21 11:35 Received: 09/27/21 17:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/28/21 12:46	09/28/21 18:30	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92563487

Sample: MW-89D **Lab ID: 92563487003** Collected: 09/27/21 12:30 Received: 09/27/21 17:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/28/21 12:46	09/28/21 18:34	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92563487

Sample: MW-12 **Lab ID: 92563487004** Collected: 09/27/21 12:45 Received: 09/27/21 17:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/28/21 12:46	09/28/21 18:37	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92563487

Sample: MW-02 **Lab ID: 92563487005** Collected: 09/27/21 13:10 Received: 09/27/21 17:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/28/21 12:46	09/28/21 18:41	7439-92-1	

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Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92563487

Sample: EB-1-20210927 **Lab ID: 92563487006** Collected: 09/27/21 13:30 Received: 09/27/21 17:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/28/21 12:46	09/28/21 18:44	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92563487

Sample: MW-04 **Lab ID: 92563487008** Collected: 09/27/21 14:15 Received: 09/27/21 17:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/28/21 12:46	09/28/21 18:47	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92563487

Sample: MW-07D **Lab ID: 92563487009** Collected: 09/27/21 14:25 Received: 09/27/21 17:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/28/21 12:46	09/28/21 18:51	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92563487

Sample: MW-06 **Lab ID: 92563487010** Collected: 09/27/21 14:45 Received: 09/27/21 17:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/28/21 12:46	09/28/21 18:54	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92563487

Sample: MW-35 **Lab ID: 92563487011** Collected: 09/27/21 15:40 Received: 09/27/21 17:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/28/21 12:46	09/28/21 19:04	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92563487

Sample: MW-27 **Lab ID: 92563487012** Collected: 09/27/21 16:30 Received: 09/27/21 17:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/28/21 12:46	09/28/21 19:07	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92563487

Sample: DUP-1-20210927 **Lab ID: 92563487013** Collected: 09/27/21 00:00 Received: 09/27/21 17:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/28/21 12:46	09/28/21 19:11	7439-92-1	

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QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92563487

QC Batch: 649641
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92563487001, 92563487002, 92563487003, 92563487004, 92563487005, 92563487006, 92563487008, 92563487009, 92563487010, 92563487011, 92563487012, 92563487013

METHOD BLANK: 3406979 Matrix: Water
Associated Lab Samples: 92563487001, 92563487002, 92563487003, 92563487004, 92563487005, 92563487006, 92563487008, 92563487009, 92563487010, 92563487011, 92563487012, 92563487013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	4.5	09/28/21 18:04	

LABORATORY CONTROL SAMPLE: 3406980

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	471	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3406981 3406982

Parameter	Units	92563487001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	473	437	95	87	75-125	8	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92563487

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CPC HUNTERSVILLE 60639876
Pace Project No.: 92563487

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92563487001	**MW-15**	EPA 3010A	649641	EPA 6010D	649687
92563487002	**MW-05**	EPA 3010A	649641	EPA 6010D	649687
92563487003	**MW-89D**	EPA 3010A	649641	EPA 6010D	649687
92563487004	**MW-12**	EPA 3010A	649641	EPA 6010D	649687
92563487005	**MW-02**	EPA 3010A	649641	EPA 6010D	649687
92563487006	**EB-1-20210927**	EPA 3010A	649641	EPA 6010D	649687
92563487008	**MW-04**	EPA 3010A	649641	EPA 6010D	649687
92563487009	**MW-07D**	EPA 3010A	649641	EPA 6010D	649687
92563487010	**MW-06**	EPA 3010A	649641	EPA 6010D	649687
92563487011	**MW-35**	EPA 3010A	649641	EPA 6010D	649687
92563487012	**MW-27**	EPA 3010A	649641	EPA 6010D	649687
92563487013	**DUP-1-20210927**	EPA 3010A	649641	EPA 6010D	649687

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Pace Analytical®	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: October 28, 2020 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.07	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☑ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: AECOM **Project**

WO# : 92563487

92563487

Courier: ☐ Commercial ☐ Fed Ex ☐ Pace ☐ UPS ☐ USPS ☐ Other: ☑ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☑ No

Date/Initials Person Examining Contents: JB 9/27/21

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☐ IR Gun ID: 92706 ☑ Wet ☐ Blue ☐ None Type of Ice:

Cooler Temp: 1.7 Correction Factor: Add/Subtract (°C) 0

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 1.7

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (Internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☑ Yes	☐ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W +				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☑ No	☐ N/A	10.
Trip Blank Present?	☑ Yes	☐ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☑ Yes	☐ No	☐ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

Pace Analytical
WWW.PACELABS.COM

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	AECOM	Report To:	Andy Wreschnig	Attention:	
Address:	6000 Fairview Road	Copy To:		Company Name:	
	Suite 200, Charlotte, NC 28210			Address:	
Email:	andrew.wreschnig@aecom.com	Purchase Order #:		Pace Quote:	60639876
Phone:	(704)716-0757 Fax	Project Name:	CPC Huntersville-60639876	Pace Project Manager:	bonnie.vang@pacelabs.com,
Requested Due Date:	3 DAY TAT	Project #:		Pace Profile #:	12518-3

Regulatory Agency

State / Location: NC

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	6200B	VPH	6010-Pb	n-butanol by 6200	Trip BLANK	Residual Chlorine (Y/N)	8256487
1	MW-15			9/27/21	1120				8			1	7						X	X	X				3DAY TAT
2	MW-05			9/27/21	1135				8			1	7						X	X	X				
3	MW-89D			9/27/21	1230				8			1	7						X	X	X				
4	MW-12			9/27/21	1245				8			1	7						X	X	X				
5	MW-02			9/27/21	1310				8			1	7						X	X	X				
6	EB-1-20210927			9/27/21	1330				8			1	7						X	X	X				
7	FB-1-20210927			9/27/21	1400				8			2B	7						X	X	X				
8	MW-04			9/27/21	1415				8			1	7						X	X	X				
9	MW-07D			9/27/21	1425				8			1	7						X	X	X				
10	MW-06			9/27/21	1445				8			1	7						X	X	X				
11	MW-35			9/27/21	1540				8			1	7						X	X	X				
12	MW-27			9/27/21	1630				8			1	7						X	X	X				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
3DAY TAT		9/27/21	1710	JB Pace HVL	9/27/21	1710	1.7	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed: 9/27/21

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

***Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.**

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

****Bottom half of box is to list number of bottles**

Project **WO# : 92563487**

PM: BV Due Date: 09/30/21

CLIENT: 92-AECOM CHA

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastid Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AGUU-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1						1 ✓										7													
2						1 ✓										7													
3						1 ✓										7													
4						1 ✓										7													
5						1 ✓										7													
6						1 ✓										7													
7																7													
8						1 ✓										7													
9						1 ✓										7													
10						1 ✓										7													
11						1 ✓										7													
12						1 ✓										7													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office. (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

CHAIN-OF-CUSTODY / Analytical Request Document

Pace Analytical
WWW.PACELABS.COM

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Page : 2 Of 2

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		
Company:	AECOM	Report To:	Andy Wreschnig	Attention:		Regulatory Agency
Address:	6000 Fairview Road	Copy To:		Company Name:		
	Suite 200, Charlotte, NC 28210			Address:		
Email:	andrew.wreschnig@aecom.com	Purchase Order #:		Pace Quote:	60639876	
Phone:	(704)716-0757 Fax	Project Name:	CPC Huntersville-60639876	Pace Project Manager:	bonnie.vang@pacelabs.com,	State / Location
Requested Due Date:	3 DAY TAT	Project #:		Pace Profile #:	12518-3	NC

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	6200B	VPH	6010-Pb	n-butanol by 6200	Trip BLANK	Residual Chlorine (Y/N)	92563487
	MATRIX: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Other OT, Tissue TS																								
1	DUP-1-20210927			9/27/21				8				1	7						X	X	X				3 DAY TAT 013
2	TRIP BLANK			9/27/21				2					2						X						↓ 014
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
3 DAY TAT	/AECOM	9/27/21	1710	JB Pace HVC	9/27/21	1710	1.7	Y	N	Y

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Bitter		TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:		DATE Signed: 9/27/21				

***Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.**

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

****Bottom half of box is to list number of bottles**

Project # **WO# : 92563487**

PM: BV Due Date: 09/30/21

CLIENT: 92-AECOM CHA

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AGUU-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1						1 V										7													
2																2													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).

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A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

September 30, 2021

Bonnie Vang
Pace Analytical Services - NC
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078

Project Location: CPC Huntersville 60639876
Client Job Number:
Project Number: 92563487
Laboratory Work Order Number: 21I1657

Enclosed are results of analyses for samples as received by the laboratory on September 29, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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Sample Summary 4

Case Narrative 5

Sample Results 6

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21I1657-04 15

21I1657-05 18

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Pace Analytical Services - NC
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
ATTN: Bonnie Vang

REPORT DATE: 9/30/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 92563487

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21I1657

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: CPC Huntersville 60639876

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-15	21I1657-01	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-05	21I1657-02	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-89D	21I1657-03	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-12	21I1657-04	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-02	21I1657-05	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
EB-1-20210927	21I1657-06	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
FB-1-20210927	21I1657-07	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-04	21I1657-08	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-07D	21I1657-09	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-06	21I1657-10	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-35	21I1657-11	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-27	21I1657-12	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
Dup-1-20210927	21I1657-13	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
Trip Blank	21I1657-14	Water		SM21-23 6200B	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method VPH only hydrocarbon ranges were requested and reported.

MADEP-VPH-Feb 2018 Rev 2.1

Qualifications:

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Butylcyclohexane
B291294-BS1

Nonane
B291294-BS1

SM21-23 6200B

Qualifications:

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Naphthalene
21I1657-01[MW-15], 21I1657-02[MW-05], 21I1657-03[MW-89D], 21I1657-04[MW-12], 21I1657-05[MW-02], 21I1657-06[EB-1-20210927], 21I1657-07[FB-1-20210927], 21I1657-08[MW-04], 21I1657-09[MW-07D], 21I1657-10[MW-06], 21I1657-11[MW-35], 21I1657-12[MW-27], 21I1657-13[Dup-1-20210927], 21I1657-14[Trip Blank], B291302-BLK1, B291302-BS1, B291302-BSD1

MADEP-VPH-Feb 2018 Rev 2.1

No significant modifications were made to the method. All VPH samples were received preserved properly at pH <2 in the proper containers as specified on the chain-of-custody form unless specified in this narrative.

Analytical column used for VPH analysis is Restek, Rtx-502.2, 105meter, 0.53mmID, 3um df. Trap used for VPH analysis is Carbopack B/CarboSieveS-III.

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: MW-15 Sampled: 9/27/2021 11:20

Sample ID: 21I1657-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
Bromoform	ND	0.50	0.29	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
Bromomethane	ND	2.0	1.1	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
Chloromethane	ND	1.0	0.38	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
Naphthalene	ND	0.50	0.15	µg/L	1	L-04	SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: MW-15 Sampled: 9/27/2021 11:20

Sample ID: 21I1657-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:33	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	130	70-130		9/29/21 22:33
Toluene-d8	115	70-130		9/29/21 22:33
4-Bromofluorobenzene	108	70-130		9/29/21 22:33

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: MW-15 Sampled: 9/27/2021 11:20

Sample ID: 21I1657-01

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 19:30	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 19:30	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 19:30	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 19:30	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 19:30	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	90.0	70-130		9/29/21 19:30
2,5-Dibromotoluene (PID)	79.8	70-130		9/29/21 19:30

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: MW-05 Sampled: 9/27/2021 11:35

Sample ID: 21I1657-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
Bromoform	ND	0.50	0.29	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
Bromomethane	ND	2.0	1.1	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
Chloromethane	ND	1.0	0.38	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
Naphthalene	ND	0.50	0.15	µg/L	1	L-04	SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: MW-05 Sampled: 9/27/2021 11:35

Sample ID: 21I1657-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:57	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	128	70-130		9/29/21 22:57
Toluene-d8	114	70-130		9/29/21 22:57
4-Bromofluorobenzene	109	70-130		9/29/21 22:57

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: MW-05 Sampled: 9/27/2021 11:35

Sample ID: 21I1657-02

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 20:09	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 20:09	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 20:09	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 20:09	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 20:09	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	103	70-130		9/29/21 20:09
2,5-Dibromotoluene (PID)	99.9	70-130		9/29/21 20:09

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: MW-89D Sampled: 9/27/2021 12:30

Sample ID: 21I1657-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
Bromodichloromethane	0.34	0.50	0.14	µg/L	1	J	SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
Bromoform	ND	0.50	0.29	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
Bromomethane	ND	2.0	1.1	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
Chloroform	2.0	0.50	0.19	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
Chloromethane	ND	1.0	0.38	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
Naphthalene	ND	0.50	0.15	µg/L	1	L-04	SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: MW-89D Sampled: 9/27/2021 12:30

Sample ID: 21I1657-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
m+p Xylene	0.58	1.0	0.18	µg/L	1	J	SM21-23 6200B	9/29/21	9/29/21 23:21	EEH
o-Xylene	0.24	0.50	0.090	µg/L	1	J	SM21-23 6200B	9/29/21	9/29/21 23:21	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	128	70-130		9/29/21 23:21
Toluene-d8	113	70-130		9/29/21 23:21
4-Bromofluorobenzene	105	70-130		9/29/21 23:21

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: MW-89D Sampled: 9/27/2021 12:30

Sample ID: 21I1657-03

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 20:46	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 20:46	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 20:46	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 20:46	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 20:46	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	102	70-130		9/29/21 20:46
2,5-Dibromotoluene (PID)	100	70-130		9/29/21 20:46

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: MW-12 Sampled: 9/27/2021 12:45

Sample ID: 21I1657-04

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
Bromoform	ND	0.50	0.29	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
Bromomethane	ND	2.0	1.1	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
Chloromethane	ND	1.0	0.38	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
Naphthalene	ND	0.50	0.15	µg/L	1	L-04	SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: MW-12 Sampled: 9/27/2021 12:45

Sample ID: 21I1657-04

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 23:45	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	129	70-130		9/29/21 23:45
Toluene-d8	112	70-130		9/29/21 23:45
4-Bromofluorobenzene	105	70-130		9/29/21 23:45

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: MW-12 Sampled: 9/27/2021 12:45

Sample ID: 21I1657-04

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 21:25	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 21:25	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 21:25	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 21:25	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 21:25	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	78.8	70-130		9/29/21 21:25
2,5-Dibromotoluene (PID)	76.1	70-130		9/29/21 21:25

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: MW-02 Sampled: 9/27/2021 13:10

Sample ID: 21I1657-05

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
Bromoform	ND	0.50	0.29	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
Bromomethane	ND	2.0	1.1	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
Chloromethane	ND	1.0	0.38	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
Naphthalene	ND	0.50	0.15	µg/L	1	L-04	SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: MW-02 Sampled: 9/27/2021 13:10

Sample ID: 21I1657-05

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:10	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	127	70-130		9/30/21 0:10
Toluene-d8	111	70-130		9/30/21 0:10
4-Bromofluorobenzene	107	70-130		9/30/21 0:10

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: MW-02 Sampled: 9/27/2021 13:10

Sample ID: 21I1657-05

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 21:47	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 21:47	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 21:47	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 21:47	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 21:47	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	88.1	70-130		9/29/21 21:47
2,5-Dibromotoluene (PID)	77.8	70-130		9/29/21 21:47

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: EB-1-20210927 Sampled: 9/27/2021 13:30

Sample ID: 21I1657-06

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
Bromoform	ND	0.50	0.29	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
Bromomethane	ND	2.0	1.1	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
Chloromethane	ND	1.0	0.38	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
Methylene Chloride	1.6	5.0	0.30	µg/L	1	J	SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
Naphthalene	ND	0.50	0.15	µg/L	1	L-04	SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: EB-1-20210927 Sampled: 9/27/2021 13:30

Sample ID: 21I1657-06

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 22:09	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	126	70-130		9/29/21 22:09
Toluene-d8	115	70-130		9/29/21 22:09
4-Bromofluorobenzene	111	70-130		9/29/21 22:09

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: EB-1-20210927 Sampled: 9/27/2021 13:30

Sample ID: 21I1657-06

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 21:17	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 21:17	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 21:17	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 21:17	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 21:17	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	74.6	70-130		9/29/21 21:17
2,5-Dibromotoluene (PID)	70.2	70-130		9/29/21 21:17

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: FB-1-20210927 Sampled: 9/27/2021 14:00

Sample ID: 21I1657-07

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
Bromoform	ND	0.50	0.29	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
Bromomethane	ND	2.0	1.1	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
Chloromethane	ND	1.0	0.38	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
Methylene Chloride	1.5	5.0	0.30	µg/L	1	J	SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
Naphthalene	ND	0.50	0.15	µg/L	1	L-04	SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: FB-1-20210927 Sampled: 9/27/2021 14:00

Sample ID: 21I1657-07

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:45	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	128	70-130		9/29/21 21:45
Toluene-d8	114	70-130		9/29/21 21:45
4-Bromofluorobenzene	110	70-130		9/29/21 21:45

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: FB-1-20210927 Sampled: 9/27/2021 14:00

Sample ID: 21I1657-07

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 20:48	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 20:48	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 20:48	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 20:48	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 20:48	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	97.1	70-130		9/29/21 20:48
2,5-Dibromotoluene (PID)	99.1	70-130		9/29/21 20:48

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: MW-04 Sampled: 9/27/2021 14:15

Sample ID: 21I1657-08

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
Bromoform	ND	0.50	0.29	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
Bromomethane	ND	2.0	1.1	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
Chloromethane	ND	1.0	0.38	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
Naphthalene	ND	0.50	0.15	µg/L	1	L-04	SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: MW-04 Sampled: 9/27/2021 14:15

Sample ID: 21I1657-08

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:34	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	126	70-130		9/30/21	0:34
Toluene-d8	112	70-130		9/30/21	0:34
4-Bromofluorobenzene	102	70-130		9/30/21	0:34

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: MW-04 Sampled: 9/27/2021 14:15

Sample ID: 21I1657-08

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 22:16	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 22:16	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 22:16	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 22:16	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 22:16	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	83.6	70-130		9/29/21 22:16
2,5-Dibromotoluene (PID)	76.8	70-130		9/29/21 22:16

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: MW-07D Sampled: 9/27/2021 14:25

Sample ID: 21I1657-09

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	2.8	0.50	0.13	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
Bromoform	ND	0.50	0.29	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
Bromomethane	ND	2.0	1.1	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
Chloromethane	ND	1.0	0.38	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
Diisopropyl Ether (DIPE)	9.9	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
Ethylbenzene	0.65	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
Methyl tert-Butyl Ether (MTBE)	4.4	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
Naphthalene	ND	0.50	0.15	µg/L	1	L-04	SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: MW-07D Sampled: 9/27/2021 14:25

Sample ID: 21I1657-09

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
Toluene	0.42	0.50	0.11	µg/L	1	J	SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
1,2,4-Trimethylbenzene	0.24	0.50	0.10	µg/L	1	J	SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
m+p Xylene	1.9	1.0	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH
o-Xylene	1.0	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 0:58	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	126	70-130		9/30/21	0:58
Toluene-d8	114	70-130		9/30/21	0:58
4-Bromofluorobenzene	107	70-130		9/30/21	0:58

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: MW-07D Sampled: 9/27/2021 14:25

Sample ID: 21I1657-09

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 22:45	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 22:45	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 22:45	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 22:45	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 22:45	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	74.1	70-130		9/29/21 22:45
2,5-Dibromotoluene (PID)	80.0	70-130		9/29/21 22:45

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: MW-06 Sampled: 9/27/2021 14:45

Sample ID: 21I1657-10

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
Bromoform	ND	0.50	0.29	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
Bromomethane	ND	2.0	1.1	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
Chloromethane	ND	1.0	0.38	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
Naphthalene	ND	0.50	0.15	µg/L	1	L-04	SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: MW-06 Sampled: 9/27/2021 14:45

Sample ID: 21I1657-10

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:22	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	128	70-130		9/30/21 1:22
Toluene-d8	113	70-130		9/30/21 1:22
4-Bromofluorobenzene	105	70-130		9/30/21 1:22

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: MW-06 Sampled: 9/27/2021 14:45

Sample ID: 21I1657-10

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 23:15	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 23:15	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 23:15	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 23:15	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 23:15	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	81.8	70-130		9/29/21 23:15
2,5-Dibromotoluene (PID)	90.7	70-130		9/29/21 23:15

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: MW-35 Sampled: 9/27/2021 15:40

Sample ID: 21I1657-11

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
Bromoform	ND	0.50	0.29	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
Bromomethane	ND	2.0	1.1	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
Chloromethane	ND	1.0	0.38	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
Naphthalene	ND	0.50	0.15	µg/L	1	L-04	SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: MW-35 Sampled: 9/27/2021 15:40

Sample ID: 21I1657-11

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 1:46	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	128	70-130		9/30/21	1:46
Toluene-d8	114	70-130		9/30/21	1:46
4-Bromofluorobenzene	107	70-130		9/30/21	1:46

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: MW-35 Sampled: 9/27/2021 15:40

Sample ID: 21I1657-11

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 23:44	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 23:44	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 23:44	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 23:44	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/29/21 23:44	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	95.9	70-130		9/29/21 23:44
2,5-Dibromotoluene (PID)	86.0	70-130		9/29/21 23:44

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: MW-27 Sampled: 9/27/2021 16:30

Sample ID: 21I1657-12

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
Bromoform	ND	0.50	0.29	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
Bromomethane	ND	2.0	1.1	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
Chloromethane	ND	1.0	0.38	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
Naphthalene	ND	0.50	0.15	µg/L	1	L-04	SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: MW-27 Sampled: 9/27/2021 16:30

Sample ID: 21I1657-12

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:10	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	127	70-130		9/30/21 2:10
Toluene-d8	112	70-130		9/30/21 2:10
4-Bromofluorobenzene	107	70-130		9/30/21 2:10

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: MW-27 Sampled: 9/27/2021 16:30

Sample ID: 21I1657-12

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/30/21 0:13	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/30/21 0:13	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/30/21 0:13	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/30/21 0:13	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/30/21 0:13	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	80.7	70-130		9/30/21 0:13
2,5-Dibromotoluene (PID)	84.8	70-130		9/30/21 0:13

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: Dup-1-20210927 Sampled: 9/27/2021 00:00

Sample ID: 21I1657-13

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
Bromoform	ND	0.50	0.29	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
Bromomethane	ND	2.0	1.1	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
Chloromethane	ND	1.0	0.38	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
Naphthalene	ND	0.50	0.15	µg/L	1	L-04	SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: Dup-1-20210927 Sampled: 9/27/2021 00:00

Sample ID: 21I1657-13

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/30/21 2:34	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	126	70-130		9/30/21 2:34
Toluene-d8	113	70-130		9/30/21 2:34
4-Bromofluorobenzene	109	70-130		9/30/21 2:34

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: Dup-1-20210927 Sampled: 9/27/2021 00:00

Sample ID: 21I1657-13

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/30/21 0:43	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/30/21 0:43	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/30/21 0:43	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/30/21 0:43	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	9/29/21	9/30/21 0:43	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	92.4	70-130		9/30/21 0:43
2,5-Dibromotoluene (PID)	95.2	70-130		9/30/21 0:43

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: Trip Blank Sampled: 9/27/2021 00:00

Sample ID: 21I1657-14

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
Bromoform	ND	0.50	0.29	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
Bromomethane	ND	2.0	1.1	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
Chloromethane	ND	1.0	0.38	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
Methylene Chloride	0.90	5.0	0.30	µg/L	1	J	SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
Naphthalene	ND	0.50	0.15	µg/L	1	L-04	SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21I1657

Date Received: 9/29/2021

Field Sample #: Trip Blank Sampled: 9/27/2021 00:00

Sample ID: 21I1657-14

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	9/29/21	9/29/21 21:21	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	125	70-130		9/29/21 21:21
Toluene-d8	111	70-130		9/29/21 21:21
4-Bromofluorobenzene	102	70-130		9/29/21 21:21

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Sample Extraction Data

Prep Method: MA VPH **Analytical Method: MADEP-VPH-Feb 2018 Rev 2.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21I1657-01 [MW-15]	B291294	5	5.00	09/29/21
21I1657-02 [MW-05]	B291294	5	5.00	09/29/21
21I1657-03 [MW-89D]	B291294	5	5.00	09/29/21
21I1657-04 [MW-12]	B291294	5	5.00	09/29/21

Prep Method: MA VPH **Analytical Method: MADEP-VPH-Feb 2018 Rev 2.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21I1657-05 [MW-02]	B291299	5	5.00	09/29/21
21I1657-06 [EB-1-20210927]	B291299	5	5.00	09/29/21
21I1657-07 [FB-1-20210927]	B291299	5	5.00	09/29/21
21I1657-08 [MW-04]	B291299	5	5.00	09/29/21
21I1657-09 [MW-07D]	B291299	5	5.00	09/29/21
21I1657-10 [MW-06]	B291299	5	5.00	09/29/21
21I1657-11 [MW-35]	B291299	5	5.00	09/29/21
21I1657-12 [MW-27]	B291299	5	5.00	09/29/21
21I1657-13 [Dup-1-20210927]	B291299	5	5.00	09/29/21

Prep Method: SW-846 5030B **Analytical Method: SM21-23 6200B**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21I1657-01 [MW-15]	B291302	5	5.00	09/29/21
21I1657-02 [MW-05]	B291302	5	5.00	09/29/21
21I1657-03 [MW-89D]	B291302	5	5.00	09/29/21
21I1657-04 [MW-12]	B291302	5	5.00	09/29/21
21I1657-05 [MW-02]	B291302	5	5.00	09/29/21
21I1657-06 [EB-1-20210927]	B291302	5	5.00	09/29/21
21I1657-07 [FB-1-20210927]	B291302	5	5.00	09/29/21
21I1657-08 [MW-04]	B291302	5	5.00	09/29/21
21I1657-09 [MW-07D]	B291302	5	5.00	09/29/21
21I1657-10 [MW-06]	B291302	5	5.00	09/29/21
21I1657-11 [MW-35]	B291302	5	5.00	09/29/21
21I1657-12 [MW-27]	B291302	5	5.00	09/29/21
21I1657-13 [Dup-1-20210927]	B291302	5	5.00	09/29/21
21I1657-14 [Trip Blank]	B291302	5	5.00	09/29/21

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291302 - SW-846 5030B										
Blank (B291302-BLK1)				Prepared & Analyzed: 09/29/21						
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromochloromethane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	2.0	µg/L							
n-Butylbenzene	ND	0.50	µg/L							
sec-Butylbenzene	ND	0.50	µg/L							
tert-Butylbenzene	ND	0.50	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
Naphthalene	ND	0.50	µg/L							L-04
n-Propylbenzene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
1,2,3-Trichlorobenzene	ND	1.0	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291302 - SW-846 5030B										
Blank (B291302-BLK1)				Prepared & Analyzed: 09/29/21						
Trichloroethylene	ND	0.50	µg/L							
Trichlorofluoromethane (Freon 11)	ND	0.50	µg/L							
1,2,3-Trichloropropane	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	0.50	µg/L							
m+p Xylene	ND	1.0	µg/L							
o-Xylene	ND	0.50	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*30.9*		µg/L	25.0		123	70-130			
Surrogate: Toluene-d8	*29.3*		µg/L	25.0		117	70-130			
Surrogate: 4-Bromofluorobenzene	*27.6*		µg/L	25.0		110	70-130			
LCS (B291302-BS1)				Prepared & Analyzed: 09/29/21						
Benzene	10.5	0.50	µg/L	10.0		105	70-130			
Bromobenzene	9.19	0.50	µg/L	10.0		91.9	70-130			
Bromochloromethane	10.6	0.50	µg/L	10.0		106	70-130			
Bromodichloromethane	11.0	0.50	µg/L	10.0		110	70-130			
Bromoform	9.83	0.50	µg/L	10.0		98.3	70-130			
Bromomethane	10.9	2.0	µg/L	10.0		109	60-140			†
n-Butylbenzene	8.63	0.50	µg/L	10.0		86.3	70-130			
sec-Butylbenzene	9.36	0.50	µg/L	10.0		93.6	70-130			
tert-Butylbenzene	9.63	0.50	µg/L	10.0		96.3	70-130			
Carbon Tetrachloride	11.8	0.50	µg/L	10.0		118	70-130			
Chlorobenzene	9.90	0.50	µg/L	10.0		99.0	70-130			
Chlorodibromomethane	10.7	0.50	µg/L	10.0		107	70-130			
Chloroethane	11.5	0.50	µg/L	10.0		115	60-140			
Chloroform	10.8	0.50	µg/L	10.0		108	70-130			
Chloromethane	12.2	0.60	µg/L	10.0		122	60-140			†
2-Chlorotoluene	9.67	0.50	µg/L	10.0		96.7	70-130			
4-Chlorotoluene	9.70	0.50	µg/L	10.0		97.0	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.18	5.0	µg/L	10.0		91.8	70-130			
1,2-Dibromoethane (EDB)	10.3	0.50	µg/L	10.0		103	70-130			
Dibromomethane	10.1	1.0	µg/L	10.0		101	70-130			
1,2-Dichlorobenzene	9.74	0.50	µg/L	10.0		97.4	70-130			
1,3-Dichlorobenzene	9.88	0.50	µg/L	10.0		98.8	70-130			
1,4-Dichlorobenzene	9.63	0.50	µg/L	10.0		96.3	70-130			
Dichlorodifluoromethane (Freon 12)	11.8	0.50	µg/L	10.0		118	60-140			†
1,1-Dichloroethane	10.4	0.50	µg/L	10.0		104	70-130			
1,2-Dichloroethane	11.3	0.50	µg/L	10.0		113	70-130			
1,1-Dichloroethylene	11.0	0.50	µg/L	10.0		110	70-130			
cis-1,2-Dichloroethylene	10.8	0.50	µg/L	10.0		108	70-130			
trans-1,2-Dichloroethylene	10.3	0.50	µg/L	10.0		103	70-130			
1,2-Dichloropropane	10.3	0.50	µg/L	10.0		103	70-130			
1,3-Dichloropropane	10.1	0.50	µg/L	10.0		101	70-130			
2,2-Dichloropropane	10.5	0.50	µg/L	10.0		105	70-130			†
1,1-Dichloropropene	10.7	0.50	µg/L	10.0		107	70-130			
cis-1,3-Dichloropropene	11.0	0.50	µg/L	10.0		110	70-130			
trans-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130			
Diisopropyl Ether (DIPE)	10.2	0.50	µg/L	10.0		102	70-130			
Ethylbenzene	9.96	0.50	µg/L	10.0		99.6	70-130			
Hexachlorobutadiene	10.1	0.60	µg/L	10.0		101	70-130			
Isopropylbenzene (Cumene)	9.83	0.50	µg/L	10.0		98.3	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291302 - SW-846 5030B												
LCS (B291302-BS1)				Prepared & Analyzed: 09/29/21								
Methyl tert-Butyl Ether (MTBE)	10.3	0.50	µg/L	10.0		103		70-130				
Methylene Chloride	10.3	5.0	µg/L	10.0		103		70-130				
Naphthalene	5.44	0.50	µg/L	10.0		**54.4**	*	70-130			L-04	†
n-Propylbenzene	9.41	0.50	µg/L	10.0		94.1		70-130				
Styrene	10.1	0.50	µg/L	10.0		101		70-130				
1,1,1,2-Tetrachloroethane	10.6	0.50	µg/L	10.0		106		70-130				
1,1,2,2-Tetrachloroethane	9.48	0.50	µg/L	10.0		94.8		70-130				
Tetrachloroethylene	10.8	0.50	µg/L	10.0		108		70-130				
Toluene	10.7	0.50	µg/L	10.0		107		70-130				
1,2,3-Trichlorobenzene	7.00	1.0	µg/L	10.0		70.0		70-130				
1,2,4-Trichlorobenzene	7.66	0.50	µg/L	10.0		76.6		70-130				
1,1,1-Trichloroethane	11.1	0.50	µg/L	10.0		111		70-130				
1,1,2-Trichloroethane	10.3	0.50	µg/L	10.0		103		70-130				
Trichloroethylene	11.1	0.50	µg/L	10.0		111		70-130				
Trichlorofluoromethane (Freon 11)	10.9	0.50	µg/L	10.0		109		70-130				
1,2,3-Trichloropropane	8.58	0.50	µg/L	10.0		85.8		70-130				
1,2,4-Trimethylbenzene	9.78	0.50	µg/L	10.0		97.8		70-130				
1,3,5-Trimethylbenzene	9.65	0.50	µg/L	10.0		96.5		70-130				
Vinyl Chloride	11.7	0.50	µg/L	10.0		117		60-140				†
m+p Xylene	20.7	1.0	µg/L	20.0		104		70-130				
o-Xylene	10.0	0.50	µg/L	10.0		100		70-130				
Surrogate: 1,2-Dichloroethane-d4	*31.9*		µg/L	25.0		128		70-130				
Surrogate: Toluene-d8	*28.6*		µg/L	25.0		115		70-130				
Surrogate: 4-Bromofluorobenzene	*27.9*		µg/L	25.0		112		70-130				
LCS Dup (B291302-BSD1)				Prepared & Analyzed: 09/29/21								
Benzene	10.4	0.50	µg/L	10.0		104		70-130	0.670	25		
Bromobenzene	9.75	0.50	µg/L	10.0		97.5		70-130	5.91	25		
Bromochloromethane	11.1	0.50	µg/L	10.0		111		70-130	4.14	25		
Bromodichloromethane	11.0	0.50	µg/L	10.0		110		70-130	0.182	25		
Bromoform	10.1	0.50	µg/L	10.0		101		70-130	2.51	25		
Bromomethane	11.2	2.0	µg/L	10.0		112		60-140	3.35	25		†
n-Butylbenzene	9.07	0.50	µg/L	10.0		90.7		70-130	4.97	25		
sec-Butylbenzene	9.66	0.50	µg/L	10.0		96.6		70-130	3.15	25		
tert-Butylbenzene	9.83	0.50	µg/L	10.0		98.3		70-130	2.06	25		
Carbon Tetrachloride	11.7	0.50	µg/L	10.0		117		70-130	0.256	25		
Chlorobenzene	10.1	0.50	µg/L	10.0		101		70-130	2.00	25		
Chlorodibromomethane	10.8	0.50	µg/L	10.0		108		70-130	1.49	25		
Chloroethane	11.6	0.50	µg/L	10.0		116		60-140	1.30	25		
Chloroform	10.9	0.50	µg/L	10.0		109		70-130	1.57	25		
Chloromethane	12.3	0.60	µg/L	10.0		123		60-140	0.737	25		†
2-Chlorotoluene	9.91	0.50	µg/L	10.0		99.1		70-130	2.45	25		
4-Chlorotoluene	9.97	0.50	µg/L	10.0		99.7		70-130	2.75	25		
1,2-Dibromo-3-chloropropane (DBCP)	9.46	5.0	µg/L	10.0		94.6		70-130	3.00	25		
1,2-Dibromoethane (EDB)	10.8	0.50	µg/L	10.0		108		70-130	4.55	25		
Dibromomethane	10.4	1.0	µg/L	10.0		104		70-130	3.51	25		
1,2-Dichlorobenzene	9.96	0.50	µg/L	10.0		99.6		70-130	2.23	25		
1,3-Dichlorobenzene	9.91	0.50	µg/L	10.0		99.1		70-130	0.303	25		
1,4-Dichlorobenzene	10.1	0.50	µg/L	10.0		101		70-130	4.47	25		
Dichlorodifluoromethane (Freon 12)	11.7	0.50	µg/L	10.0		117		60-140	1.02	25		†
1,1-Dichloroethane	10.8	0.50	µg/L	10.0		108		70-130	3.40	25		
1,2-Dichloroethane	11.7	0.50	µg/L	10.0		117		70-130	3.48	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291302 - SW-846 5030B												
LCS Dup (B291302-BSD1)				Prepared & Analyzed: 09/29/21								
1,1-Dichloroethylene	11.4	0.50	µg/L	10.0		114		70-130	3.49	25		
cis-1,2-Dichloroethylene	10.8	0.50	µg/L	10.0		108		70-130	0.278	25		
trans-1,2-Dichloroethylene	10.3	0.50	µg/L	10.0		103		70-130	0.0973	25		
1,2-Dichloropropane	10.5	0.50	µg/L	10.0		105		70-130	1.34	25		
1,3-Dichloropropane	10.5	0.50	µg/L	10.0		105		70-130	3.40	25		
2,2-Dichloropropane	10.4	0.50	µg/L	10.0		104		70-130	0.763	25		†
1,1-Dichloropropene	10.9	0.50	µg/L	10.0		109		70-130	2.59	25		
cis-1,3-Dichloropropene	11.1	0.50	µg/L	10.0		111		70-130	0.361	25		
trans-1,3-Dichloropropene	10.7	0.50	µg/L	10.0		107		70-130	5.26	25		
Diisopropyl Ether (DIPE)	10.5	0.50	µg/L	10.0		105		70-130	3.38	25		
Ethylbenzene	9.96	0.50	µg/L	10.0		99.6		70-130	0.00	25		
Hexachlorobutadiene	9.52	0.60	µg/L	10.0		95.2		70-130	5.52	25		
Isopropylbenzene (Cumene)	10.0	0.50	µg/L	10.0		100		70-130	2.21	25		
Methyl tert-Butyl Ether (MTBE)	10.3	0.50	µg/L	10.0		103		70-130	0.0974	25		
Methylene Chloride	10.7	5.0	µg/L	10.0		107		70-130	4.00	25		
Naphthalene	6.30	0.50	µg/L	10.0		**63.0**	*	70-130	14.7	25	L-04	†
n-Propylbenzene	9.71	0.50	µg/L	10.0		97.1		70-130	3.14	25		
Styrene	10.4	0.50	µg/L	10.0		104		70-130	3.22	25		
1,1,1,2-Tetrachloroethane	10.9	0.50	µg/L	10.0		109		70-130	2.70	25		
1,1,2,2-Tetrachloroethane	9.90	0.50	µg/L	10.0		99.0		70-130	4.33	25		
Tetrachloroethylene	10.8	0.50	µg/L	10.0		108		70-130	0.556	25		
Toluene	10.6	0.50	µg/L	10.0		106		70-130	0.376	25		
1,2,3-Trichlorobenzene	7.34	1.0	µg/L	10.0		73.4		70-130	4.74	25		
1,2,4-Trichlorobenzene	7.76	0.50	µg/L	10.0		77.6		70-130	1.30	25		
1,1,1-Trichloroethane	11.7	0.50	µg/L	10.0		117		70-130	5.36	25		
1,1,2-Trichloroethane	10.6	0.50	µg/L	10.0		106		70-130	3.24	25		
Trichloroethylene	11.5	0.50	µg/L	10.0		115		70-130	3.98	25		
Trichlorofluoromethane (Freon 11)	11.2	0.50	µg/L	10.0		112		70-130	2.63	25		
1,2,3-Trichloropropane	9.84	0.50	µg/L	10.0		98.4		70-130	13.7	25		
1,2,4-Trimethylbenzene	9.97	0.50	µg/L	10.0		99.7		70-130	1.92	25		
1,3,5-Trimethylbenzene	9.99	0.50	µg/L	10.0		99.9		70-130	3.46	25		
Vinyl Chloride	11.9	0.50	µg/L	10.0		119		60-140	1.52	25		†
m+p Xylene	20.5	1.0	µg/L	20.0		102		70-130	1.02	25		
o-Xylene	10.4	0.50	µg/L	10.0		104		70-130	3.23	25		
Surrogate: 1,2-Dichloroethane-d4	*31.5*		µg/L	25.0		126		70-130				
Surrogate: Toluene-d8	*28.9*		µg/L	25.0		116		70-130				
Surrogate: 4-Bromofluorobenzene	*28.4*		µg/L	25.0		114		70-130				

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B291294 - MA VPH											
Blank (B291294-BLK1)				Prepared & Analyzed: 09/29/21							
Unadjusted C5-C8 Aliphatics	ND	100	µg/L								
C5-C8 Aliphatics	ND	100	µg/L								
Unadjusted C9-C12 Aliphatics	ND	100	µg/L								
C9-C12 Aliphatics	ND	100	µg/L								
C9-C10 Aromatics	ND	100	µg/L								
Benzene	ND	1.0	µg/L								
Butylcyclohexane	ND	1.0	µg/L								
Decane	ND	1.0	µg/L								
Ethylbenzene	ND	1.0	µg/L								
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L								
2-Methylpentane	ND	1.0	µg/L								
Naphthalene	ND	5.0	µg/L								
Nonane	ND	1.0	µg/L								
Pentane	ND	1.0	µg/L								
Toluene	ND	1.0	µg/L								
1,2,4-Trimethylbenzene	ND	1.0	µg/L								
2,2,4-Trimethylpentane	ND	1.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 2,5-Dibromotoluene (FID)	*37.2*		µg/L	40.0		93.1		70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*35.8*		µg/L	40.0		89.5		70-130			
LCS (B291294-BS1)				Prepared & Analyzed: 09/29/21							
Benzene	42.3	1.0	µg/L	50.0		84.5		70-130			
Butylcyclohexane	66.4	1.0	µg/L	50.0		**133**	*	70-130			L-07
Decane	54.9	1.0	µg/L	50.0		110		70-130			
Ethylbenzene	43.6	1.0	µg/L	50.0		87.3		70-130			
Methyl tert-Butyl Ether (MTBE)	43.4	1.0	µg/L	50.0		86.9		70-130			
2-Methylpentane	42.5	1.0	µg/L	50.0		85.1		70-130			
Naphthalene	47.1	5.0	µg/L	50.0		94.1		70-130			
Nonane	66.0	1.0	µg/L	50.0		**132**	*	70-130			L-07
Pentane	39.9	1.0	µg/L	50.0		79.8		70-130			
Toluene	45.0	1.0	µg/L	50.0		90.1		70-130			
1,2,4-Trimethylbenzene	41.1	1.0	µg/L	50.0		82.2		70-130			
2,2,4-Trimethylpentane	42.8	1.0	µg/L	50.0		85.5		70-130			
m+p Xylene	88.3	2.0	µg/L	100		88.3		70-130			
o-Xylene	44.0	1.0	µg/L	50.0		88.1		70-130			
Surrogate: 2,5-Dibromotoluene (FID)	*39.8*		µg/L	40.0		99.6		70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*40.6*		µg/L	40.0		101		70-130			
LCS Dup (B291294-BSD1)				Prepared & Analyzed: 09/29/21							
Benzene	39.9	1.0	µg/L	50.0		79.9		70-130	5.66	25	
Butylcyclohexane	64.0	1.0	µg/L	50.0		128		70-130	3.78	25	
Decane	53.3	1.0	µg/L	50.0		107		70-130	3.11	25	
Ethylbenzene	41.3	1.0	µg/L	50.0		82.7		70-130	5.38	25	
Methyl tert-Butyl Ether (MTBE)	41.3	1.0	µg/L	50.0		82.7		70-130	4.97	25	
2-Methylpentane	38.0	1.0	µg/L	50.0		76.0		70-130	11.3	25	
Naphthalene	38.8	5.0	µg/L	50.0		77.7		70-130	19.1	25	
Nonane	64.5	1.0	µg/L	50.0		129		70-130	2.33	25	
Pentane	36.9	1.0	µg/L	50.0		73.9		70-130	7.76	25	
Toluene	41.6	1.0	µg/L	50.0		83.3		70-130	7.82	25	
1,2,4-Trimethylbenzene	39.8	1.0	µg/L	50.0		79.5		70-130	3.27	25	

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291294 - MA VPH										
LCS Dup (B291294-BSD1)				Prepared & Analyzed: 09/29/21						
2,2,4-Trimethylpentane	39.7	1.0	µg/L	50.0		79.3	70-130	7.51	25	
m+p Xylene	83.1	2.0	µg/L	100		83.1	70-130	6.05	25	
o-Xylene	41.7	1.0	µg/L	50.0		83.4	70-130	5.45	25	
Surrogate: 2,5-Dibromotoluene (FID)	*33.2*		µg/L	40.0		83.0	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*31.8*		µg/L	40.0		79.5	70-130			
Batch B291299 - MA VPH										
Blank (B291299-BLK1)				Prepared & Analyzed: 09/29/21						
Unadjusted C5-C8 Aliphatics	ND	100	µg/L							
C5-C8 Aliphatics	ND	100	µg/L							
Unadjusted C9-C12 Aliphatics	ND	100	µg/L							
C9-C12 Aliphatics	ND	100	µg/L							
C9-C10 Aromatics	ND	100	µg/L							
Benzene	ND	1.0	µg/L							
Butylcyclohexane	ND	1.0	µg/L							
Decane	ND	1.0	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
2-Methylpentane	ND	1.0	µg/L							
Naphthalene	ND	5.0	µg/L							
Nonane	ND	1.0	µg/L							
Pentane	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
2,2,4-Trimethylpentane	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 2,5-Dibromotoluene (FID)	*35.6*		µg/L	40.0		88.9	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*36.2*		µg/L	40.0		90.4	70-130			
LCS (B291299-BS1)				Prepared & Analyzed: 09/29/21						
Benzene	42.8	1.0	µg/L	50.0		85.6	70-130			
Butylcyclohexane	61.0	1.0	µg/L	50.0		122	70-130			
Decane	45.0	1.0	µg/L	50.0		90.1	70-130			
Ethylbenzene	43.6	1.0	µg/L	50.0		87.2	70-130			
Methyl tert-Butyl Ether (MTBE)	42.4	1.0	µg/L	50.0		84.8	70-130			
2-Methylpentane	45.4	1.0	µg/L	50.0		90.8	70-130			
Naphthalene	48.3	5.0	µg/L	50.0		96.7	70-130			
Nonane	60.8	1.0	µg/L	50.0		122	70-130			
Pentane	47.2	1.0	µg/L	50.0		94.3	70-130			
Toluene	42.6	1.0	µg/L	50.0		85.1	70-130			
1,2,4-Trimethylbenzene	40.7	1.0	µg/L	50.0		81.5	70-130			
2,2,4-Trimethylpentane	41.6	1.0	µg/L	50.0		83.2	70-130			
m+p Xylene	86.0	2.0	µg/L	100		86.0	70-130			
o-Xylene	43.3	1.0	µg/L	50.0		86.6	70-130			
Surrogate: 2,5-Dibromotoluene (FID)	*40.0*		µg/L	40.0		99.9	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*41.4*		µg/L	40.0		103	70-130			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291299 - MA VPH										
LCS Dup (B291299-BSD1)				Prepared & Analyzed: 09/29/21						
Benzene	41.0	1.0	µg/L	50.0		81.9	70-130	4.40	25	
Butylcyclohexane	59.0	1.0	µg/L	50.0		118	70-130	3.36	25	
Decane	43.4	1.0	µg/L	50.0		86.8	70-130	3.72	25	
Ethylbenzene	41.5	1.0	µg/L	50.0		83.0	70-130	4.88	25	
Methyl tert-Butyl Ether (MTBE)	41.5	1.0	µg/L	50.0		83.1	70-130	2.10	25	
2-Methylpentane	42.2	1.0	µg/L	50.0		84.3	70-130	7.40	25	
Naphthalene	45.8	5.0	µg/L	50.0		91.7	70-130	5.29	25	
Nonane	58.7	1.0	µg/L	50.0		117	70-130	3.65	25	
Pentane	43.6	1.0	µg/L	50.0		87.2	70-130	7.82	25	
Toluene	40.6	1.0	µg/L	50.0		81.3	70-130	4.64	25	
1,2,4-Trimethylbenzene	38.8	1.0	µg/L	50.0		77.7	70-130	4.78	25	
2,2,4-Trimethylpentane	38.2	1.0	µg/L	50.0		76.4	70-130	8.52	25	
m+p Xylene	82.0	2.0	µg/L	100		82.0	70-130	4.76	25	
o-Xylene	41.7	1.0	µg/L	50.0		83.5	70-130	3.75	25	
Surrogate: 2,5-Dibromotoluene (FID)	*41.7*		µg/L	40.0		104	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*39.4*		µg/L	40.0		98.6	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
MADEP-VPH-Feb 2018 Rev 2.1 in Water	
Unadjusted C5-C8 Aliphatics	CT,NC,ME,NH-P
C5-C8 Aliphatics	CT,NC,ME,NH-P
Unadjusted C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C10 Aromatics	CT,NC,ME,NH-P
Benzene	CT,NC,ME,NH-P
Ethylbenzene	CT,NC,ME,NH-P
Methyl tert-Butyl Ether (MTBE)	CT,NC,ME,NH-P
Naphthalene	CT,NC,ME,NH-P
Toluene	CT,NC,ME,NH-P
m+p Xylene	CT,NC,ME,NH-P
o-Xylene	CT,NC,ME,NH-P
SM21-23 6200B in Water	
Benzene	NC
Bromobenzene	NC
Bromochloromethane	NC
Bromodichloromethane	NC
Bromoform	NC
Bromomethane	NC
n-Butylbenzene	NC
sec-Butylbenzene	NC
tert-Butylbenzene	NC
Carbon Tetrachloride	NC
Chlorobenzene	NC
Chlorodibromomethane	NC
Chloroethane	NC
Chloroform	NC
Chloromethane	NC
2-Chlorotoluene	NC
4-Chlorotoluene	NC
1,2-Dibromoethane (EDB)	NC
1,2-Dichlorobenzene	NC
1,3-Dichlorobenzene	NC
1,4-Dichlorobenzene	NC
Dichlorodifluoromethane (Freon 12)	NC
1,1-Dichloroethane	NC
1,2-Dichloroethane	NC
1,1-Dichloroethylene	NC
cis-1,2-Dichloroethylene	NC
trans-1,2-Dichloroethylene	NC
1,2-Dichloropropane	NC
1,3-Dichloropropane	NC
2,2-Dichloropropane	NC
1,1-Dichloropropene	NC
cis-1,3-Dichloropropene	NC
trans-1,3-Dichloropropene	NC

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SM21-23 6200B in Water	
Diisopropyl Ether (DIPE)	NC
Ethylbenzene	NC
Isopropylbenzene (Cumene)	NC
Methyl tert-Butyl Ether (MTBE)	NC
Methylene Chloride	NC
Naphthalene	NC
n-Propylbenzene	NC
Styrene	NC
1,1,2,2-Tetrachloroethane	NC
Tetrachloroethylene	NC
Toluene	NC
1,2,3-Trichlorobenzene	NC
1,2,4-Trichlorobenzene	NC
1,1,1-Trichloroethane	NC
1,1,2-Trichloroethane	NC
Trichloroethylene	NC
Trichlorofluoromethane (Freon 11)	NC
1,2,3-Trichloropropane	NC
1,2,4-Trimethylbenzene	NC
1,3,5-Trimethylbenzene	NC
Vinyl Chloride	NC
m+p Xylene	NC
o-Xylene	NC

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

Internal Transfer Chain of Custody

21I1657

☐ Samples Pre-Logged into eCOC

Workorder: 92563487 Workorder Name: CPC HUNTERSVILLE 60639876

State Of Origin: NC
Cert. Needed: [X] Yes ☐ No
Owner Received Date: 9/27/2021 Results Request

Report To

Bonnie Vang
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
Phone (704)875-9092

Subcontract To

Pace New England
39 Spruce St.
East Longmeadow, MA 01028
Phone (413)525-2332

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HCl	Requested Analysis: 6200B	NC VPH	LAB US
1	MW-15	PS	9/27/2021 11:20	92563487001	Water	7	X	X	
2	MW-05	PS	9/27/2021 11:35	92563487002	Water	7	X	X	
3	MW-89D	PS	9/27/2021 12:30	92563487003	Water	7	X	X	
4	MW-12	PS	9/27/2021 12:45	92563487004	Water	7	X	X	
5	MW-02	PS	9/27/2021 13:10	92563487005	Water	7	X	X	
6	EB-1-20210927	PS	9/27/2021 13:30	92563487006	Water	7	X	X	
7	FB-1-20210927	PS	9/27/2021 14:00	92563487007	Water	7	X	X	
8	MW-04	PS	9/27/2021 14:15	92563487008	Water	7	X	X	
9	MW-07D	PS	9/27/2021 14:25	92563487009	Water	7	X	X	
10	MW-06	PS	9/27/2021 14:45	92563487010	Water	7	X	X	
11	MW-35	PS	9/27/2021 15:40	92563487011	Water	7	X	X	
12	MW-27	PS	9/27/2021 16:30	92563487012	Water	7	X	X	
13	DUP-1-20210927	PS	9/27/2021 00:00	92563487013	Water	7	X	X	
14	TRIP BLANK	PS	9/27/2021 00:00	92563487014	Water	2	X		

Transfers	Released By	Date/Time	Received By	Date/Time	Comments
1	KS Pace HVL	9/28/21 1530		9/28 1530	
2					
3					

Cooler Temperature on Receipt 5.1 °C	Custody Seal Y or N	Received on Ice Y or N	Samples Intact Y or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.

FedEx

TRACK ANOTHER SHIPMENT

987548459464

ADD NICKNAME

Delivered
Wednesday, September 29, 2021 at 9:59 am

DELIVERED

Signed for by: R.POETRIAS

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM	TO
Huntersville, NC US	EAST LONGMEADOW, MA US

Travel History

TIME ZONE
Local Scan Time

Wednesday, September 29, 2021

9:59 AM	EAST LONGMEADOW, MA	Delivered
8:13 AM	WINDSOR LOCKS, CT	On FedEx vehicle for delivery
8:04 AM	WINDSOR LOCKS, CT	At local FedEx facility
6:38 AM	EAST GRANBY, CT	At destination sort facility
4:55 AM	INDIANAPOLIS, IN	Departed FedEx hub
12:19 AM	INDIANAPOLIS, IN	Arrived at FedEx hub

Tuesday, September 28, 2021

11:00 PM	CONCORD, NC	Left FedEx origin facility
5:15 PM	CONCORD, NC	Picked up
3:36 PM		Shipment information sent to FedEx

Shipment Facts

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Pace

Received By MP Date 9/27 Time 959

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 3 Actual Temp - 3.1
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? N
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F Who was notified? _____
Are there Rushes? T Who was notified? Lauren
Are there Short Holds? F Who was notified? _____
Is there enough Volume? T
Is there Headspace where applicable? F MS/MSD? F
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? T On COC? T
Do all samples have the proper pH? NA Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-	93	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 15, 2021

Andrew Wreschnig
AECOM
6000 Fairview Road
Suite 200
Charlotte, NC 28210

RE: Project: CPC Huntersville-60639876
Pace Project No.: 92563804

Dear Andrew Wreschnig:

Enclosed are the analytical results for sample(s) received by the laboratory on September 28, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Teresa Amentt Jennings, AECOM
Jeff Morrison, Colonial Pipeline Company

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CERTIFICATIONS

Project: CPC Huntersville-60639876
Pace Project No.: 92563804

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

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SAMPLE SUMMARY

Project: CPC Huntersville-60639876
Pace Project No.: 92563804

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92563804001	**Trip Blank**	Water	09/28/21 00:00	09/28/21 17:20
92563804002	**FB-1-20210928**	Water	09/28/21 13:30	09/28/21 17:20
92563804003	**EB-1-20210928**	Water	09/28/21 14:00	09/28/21 17:20
92563804004	**MW-34**	Water	09/28/21 11:05	09/28/21 17:20
92563804005	**MW-20**	Water	09/28/21 11:25	09/28/21 17:20
92563804006	**MW-53**	Water	09/28/21 10:45	09/28/21 17:20
92563804007	**DUP-1-20210928**	Water	09/28/21 00:00	09/28/21 17:20
92563804008	**MW-56**	Water	09/28/21 11:00	09/28/21 17:20
92563804009	**MW-33**	Water	09/28/21 12:05	09/28/21 17:20
92563804010	**MW-57**	Water	09/28/21 12:30	09/28/21 17:20
92563804011	**MW-07**	Water	09/28/21 12:30	09/28/21 17:20
92563804012	**MW-88**	Water	09/28/21 12:55	09/28/21 17:20
92563804013	**MW-32**	Water	09/28/21 13:35	09/28/21 17:20
92563804014	**MW-57D**	Water	09/28/21 14:30	09/28/21 17:20
92563804015	**MW-94**	Water	09/28/21 14:25	09/28/21 17:20
92563804016	**MW-36**	Water	09/28/21 15:15	09/28/21 17:20
92563804017	**MW-89**	Water	09/28/21 16:35	09/28/21 17:20

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SAMPLE ANALYTE COUNT

Project: CPC Huntersville-60639876
Pace Project No.: 92563804

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92563804003	**EB-1-20210928**	EPA 6010D	CBV	1	PASI-A
92563804004	**MW-34**	EPA 6010D	CBV	1	PASI-A
92563804005	**MW-20**	EPA 6010D	CBV	1	PASI-A
92563804006	**MW-53**	EPA 6010D	CBV	1	PASI-A
92563804007	**DUP-1-20210928**	EPA 6010D	CBV	1	PASI-A
92563804008	**MW-56**	EPA 6010D	CBV	1	PASI-A
92563804009	**MW-33**	EPA 6010D	CBV	1	PASI-A
92563804010	**MW-57**	EPA 6010D	CBV	1	PASI-A
92563804011	**MW-07**	EPA 6010D	CBV	1	PASI-A
92563804012	**MW-88**	EPA 6010D	CBV	1	PASI-A
92563804013	**MW-32**	EPA 6010D	CBV	1	PASI-A
92563804014	**MW-57D**	EPA 6010D	CBV	1	PASI-A
92563804015	**MW-94**	EPA 6010D	CBV	1	PASI-A
92563804016	**MW-36**	EPA 6010D	CBV	1	PASI-A
92563804017	**MW-89**	EPA 6010D	CBV	1	PASI-A

PASI-A = Pace Analytical Services - Asheville

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ANALYTICAL RESULTS

Project: CPC Huntersville-60639876
Pace Project No.: 92563804

Sample: EB-1-20210928 **Lab ID: 92563804003** Collected: 09/28/21 14:00 Received: 09/28/21 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/30/21 03:12	09/30/21 12:33	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CPC Huntersville-60639876
Pace Project No.: 92563804

Sample: MW-34 **Lab ID: 92563804004** Collected: 09/28/21 11:05 Received: 09/28/21 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/30/21 03:12	09/30/21 12:46	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC Huntersville-60639876
Pace Project No.: 92563804

Sample: MW-20 **Lab ID: 92563804005** Collected: 09/28/21 11:25 Received: 09/28/21 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/30/21 03:12	09/30/21 12:50	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC Huntersville-60639876
Pace Project No.: 92563804

Sample: MW-53 **Lab ID: 92563804006** Collected: 09/28/21 10:45 Received: 09/28/21 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/30/21 03:12	09/30/21 12:53	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC Huntersville-60639876
Pace Project No.: 92563804

Sample: DUP-1-20210928 **Lab ID: 92563804007** Collected: 09/28/21 00:00 Received: 09/28/21 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/30/21 03:12	09/30/21 12:56	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC Huntersville-60639876
Pace Project No.: 92563804

Sample: MW-56 **Lab ID: 92563804008** Collected: 09/28/21 11:00 Received: 09/28/21 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/30/21 03:12	09/30/21 13:00	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC Huntersville-60639876
Pace Project No.: 92563804

Sample: MW-33 **Lab ID: 92563804009** Collected: 09/28/21 12:05 Received: 09/28/21 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/30/21 03:12	09/30/21 13:16	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC Huntersville-60639876
Pace Project No.: 92563804

Sample: MW-57 **Lab ID: 92563804010** Collected: 09/28/21 12:30 Received: 09/28/21 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/30/21 03:12	09/30/21 13:20	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC Huntersville-60639876
Pace Project No.: 92563804

Sample: MW-07 **Lab ID: 92563804011** Collected: 09/28/21 12:30 Received: 09/28/21 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/30/21 03:12	09/30/21 13:23	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC Huntersville-60639876
Pace Project No.: 92563804

Sample: MW-88 **Lab ID: 92563804012** Collected: 09/28/21 12:55 Received: 09/28/21 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	**7.1**	ug/L	5.0	4.5	1	09/30/21 03:12	09/30/21 13:34	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC Huntersville-60639876
Pace Project No.: 92563804

Sample: MW-32 **Lab ID: 92563804013** Collected: 09/28/21 13:35 Received: 09/28/21 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	**4.6J**	ug/L	5.0	4.5	1	09/30/21 03:12	09/30/21 13:38	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC Huntersville-60639876
Pace Project No.: 92563804

Sample: MW-57D **Lab ID: 92563804014** Collected: 09/28/21 14:30 Received: 09/28/21 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	**4.8J**	ug/L	5.0	4.5	1	09/30/21 03:12	09/30/21 13:41	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC Huntersville-60639876
Pace Project No.: 92563804

Sample: MW-94 **Lab ID: 92563804015** Collected: 09/28/21 14:25 Received: 09/28/21 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	**4.7J**	ug/L	5.0	4.5	1	09/30/21 03:12	09/30/21 13:44	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC Huntersville-60639876
Pace Project No.: 92563804

Sample: MW-36 **Lab ID: 92563804016** Collected: 09/28/21 15:15 Received: 09/28/21 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/30/21 03:12	09/30/21 13:48	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC Huntersville-60639876
Pace Project No.: 92563804

Sample: MW-89 **Lab ID: 92563804017** Collected: 09/28/21 16:35 Received: 09/28/21 17:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	**5.6**	ug/L	5.0	4.5	1	09/30/21 03:12	09/30/21 13:51	7439-92-1	

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QUALITY CONTROL DATA

Project: CPC Huntersville-60639876
Pace Project No.: 92563804

QC Batch: 650080 — Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A — Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92563804003, 92563804004, 92563804005, 92563804006, 92563804007, 92563804008, 92563804009, 92563804010, 92563804011, 92563804012, 92563804013, 92563804014, 92563804015, 92563804016, 92563804017

METHOD BLANK: 3409605 — Matrix: Water
Associated Lab Samples: 92563804003, 92563804004, 92563804005, 92563804006, 92563804007, 92563804008, 92563804009, 92563804010, 92563804011, 92563804012, 92563804013, 92563804014, 92563804015, 92563804016, 92563804017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	4.5	09/30/21 12:19	

LABORATORY CONTROL SAMPLE: 3409606

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	461	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3409607 3409608

Parameter	Units	92563804003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	442	454	88	91	75-125	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: CPC Huntersville-60639876
Pace Project No.: 92563804

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CPC Huntersville-60639876
Pace Project No.: 92563804

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92563804003	**EB-1-20210928**	EPA 3010A	650080	EPA 6010D	650100
92563804004	**MW-34**	EPA 3010A	650080	EPA 6010D	650100
92563804005	**MW-20**	EPA 3010A	650080	EPA 6010D	650100
92563804006	**MW-53**	EPA 3010A	650080	EPA 6010D	650100
92563804007	**DUP-1-20210928**	EPA 3010A	650080	EPA 6010D	650100
92563804008	**MW-56**	EPA 3010A	650080	EPA 6010D	650100
92563804009	**MW-33**	EPA 3010A	650080	EPA 6010D	650100
92563804010	**MW-57**	EPA 3010A	650080	EPA 6010D	650100
92563804011	**MW-07**	EPA 3010A	650080	EPA 6010D	650100
92563804012	**MW-88**	EPA 3010A	650080	EPA 6010D	650100
92563804013	**MW-32**	EPA 3010A	650080	EPA 6010D	650100
92563804014	**MW-57D**	EPA 3010A	650080	EPA 6010D	650100
92563804015	**MW-94**	EPA 3010A	650080	EPA 6010D	650100
92563804016	**MW-36**	EPA 3010A	650080	EPA 6010D	650100
92563804017	**MW-89**	EPA 3010A	650080	EPA 6010D	650100

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Pace Analytical	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: October 28, 2020 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.07	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☑ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: AECOM

Project # WO# : 92563804

92563804

Courier: ☐ Commercial ☐ Fed Ex ☐ Pace ☐ UPS ☐ USPS ☐ Other: ☑ Client

Custody Seal Present? ☐ Yes ☑ No **Seals Intact?** ☐ Yes ☑ No

Date/Initials Person Examining Contents: BGS-29-21

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 82T064 ☑ Wet ☐ Blue ☐ None

Type of Ice:

Cooler Temp: 1.1, 4.7 **Correction Factor:** Add/Subtract (°C) 0

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 1.1, 4.7

USDA Regulated Soil (☑ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☑ Yes	☐ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WT				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☑ No	☐ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☑ Yes	☐ No	☐ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

***Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.**

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

****Bottom half of box is to list number of bottles**

Project # **WO# : 92563804**

PM: BV **Due Date: 10/01/21**

CLIENT: 92-AECOM CHA

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1																4													
2																7													
3						1										7													
4						1										7													
5						1										7													
6						1										7													
7						1										7													
8						1										7													
9						1										7													
10						1										7													
11						1										7													
12						1										7													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

***Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.**

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

****Bottom half of box is to list number of bottles**

Project # **WO# : 92563804**

PM: BV Due Date: 10/01/21

CLIENT: 92-AECOM CHA

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1						1										7													
2						1										7													
3						1										7													
4						1										7													
5						1										7													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).

Pace Analytical
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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	AECOM	Report To:	Andy Wreschnig	Attention:	
Address:	6000 Fairview Road	Copy To:		Company Name:	
	Suite 200, Charlotte, NC 28210			Address:	
Email:	andrew.wreschnig@aecom.com	Purchase Order #:		Pace Quote:	60639876
Phone:	(704)716-0757 Fax:	Project Name:	CPC Huntersville-60639876	Pace Project Manager:	bonnie.vang@pacelabs.com
Requested Due Date:	3-Day TAT	Project #:		Pace Profile #:	12518-3

Regulatory Agency

State / Location: NC

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Requested Analysis Filtered (Y/N): 8260B	VPH	6010-Pb	n-butanol by 6200	Trip BLANK	Residual Chlorine (Y/N)	9256836004
1	Trip Blank	Lab Provided																						X		001
2	FB-1-20210928	WT	G	9/28/21	1330				7				7						X	X						002
3	EB-1-20210928	WT	G	9/28/21	1400				8			1	7						X	X	X					003
4	MW-35				1105																					3-Day TAT 004
5	MW-20				1125																					005
6	MW-53				1045																					006
7	DUP-1-20210928				--																					007
8	MW-56				1100																					008
9	MW-33				1205																					009
10	MW-57				1230																					010
11	MW-07				1230																					011
12	MW-88				1255																					012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
3-Day TAT	Mike de Kozlowski / AECOM	9/28/21	1120	MD Albrecht	9-28-21	1720	1.1	Y	N	Y
							4.7			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Mike de Kozlowski

SIGNATURE of SAMPLER: Mike de Kozlowski

DATE Signed: 9/28/21

CHAIN-OF-CUSTODY / Analytical Request Document

Pace Analytical® www.pacelabs.com

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Section A — Required Client Information:

Company:	AECOM
Address:	6000 Fairview Road
	Suite 200, Charlotte, NC 28210
Email:	andrew.wreschnig@aecom.com
Phone:	(704)716-0757 Fax:
Requested Due Date:	3-Day TAT

Section B — Required Project Information:

Report To:	Andy Wreschnig
Copy To:	
Purchase Order #:	
Project Name:	CPC Huntersville-60639876
Project #:	

Section C — Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote:	60639876
Pace Project Manager:	bonnie.vang@pacelabs.com,
Pace Profile #:	12518-3

Regulatory Agency: —

State / Location: NC

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	8260B	VPH	6010-Pb	n-butanol by 8200	Trip BLANK	Residual Chlorine (Y/N)	925638044
1	MW-32	WT	G	9/28/21	1335				8			1	7						X	X	X				3-Day TAT 013
2	MW-57D				1430																				014
3	MW-94				1425																				015
4	MW-36				1515																				016
5	MW-89				1635																				017
6																									
7																									
8																									
9																									
10																									
11																									
12																									

Matrix codes: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
3-Day TAT	Mike de Kozlowski / AECOM	9/28/21	1720	MDeRa HW	9/28/21	1720

SAMPLE CONDITIONS

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
4.7	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Mike de Kozlowski

SIGNATURE of SAMPLER: Mike de Kozlowski

DATE Signed: 9/28/21

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

October 15, 2021

Bonnie Vang
Pace Analytical Services - NC
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078

Project Location: CPC Huntersville-60639876
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 21I1817

Enclosed are results of analyses for samples as received by the laboratory on September 30, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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Pace Analytical Services - NC
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
ATTN: Bonnie Vang

REPORT DATE: 10/15/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21I1817

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: CPC Huntersville-60639876

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Trip Blank	21I1817-01	Water		SM21-23 6200B	
FB-1-20210928	21I1817-02	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
EB-1-20210928	21I1817-03	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-34	21I1817-04	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-20	21I1817-05	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-53	21I1817-06	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
DUP-1-20210928	21I1817-07	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-56	21I1817-08	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-33	21I1817-09	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-57	21I1817-10	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-07	21I1817-11	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-88	21I1817-12	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-32	21I1817-13	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-57D	21I1817-14	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-94	21I1817-15	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-36	21I1817-16	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Pace Analytical Services - NC
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
ATTN: Bonnie Vang

REPORT DATE: 10/15/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21I1817

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: CPC Huntersville-60639876

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-89	21I1817-17	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT - 10/15/21 - Sample i.d. for sample 21I1817-04 updated per client's request.

For method MA VPH, only hydrocarbon ranges were requested and reported.

For method 6200B, sample(s) 21I1817-11 ran at a dilution due to the concentration of target compounds exceeding the calibration curve limits.

MADEP-VPH-Feb 2018 Rev 2.1

Qualifications:

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Butylcyclohexane
B291595-BS1

SM21-23 6200B

Qualifications:

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

Bromomethane
B291519-BS1, B291519-BSD1, B291626-BS1, B291626-BSD1

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Chloromethane
21I1817-01[Trip Blank], 21I1817-02[FB-1-20210928], 21I1817-03[EB-1-20210928], 21I1817-04[MW-34], 21I1817-05[MW-20], 21I1817-06[MW-53], 21I1817-07[DUP-1-20210928], 21I1817-08[MW-56], 21I1817-09[MW-33], 21I1817-10[MW-57], 21I1817- 11[MW-07], 21I1817-12[MW-88], 21I1817-13[MW-32], 21I1817-14[MW-57D], 21I1817-15[MW-94], 21I1817-16[MW-36], 21I1817-17[MW-89], B291519-BLK1, B291519-BS1, B291519-BSD1, B291626-BLK1, B291626-BS1, B291626-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

1,3-Dichloropropane
B291626-BSD1

Bromochloromethane
B291626-BSD1

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

MADEP-VPH-Feb 2018 Rev 2.1

No significant modifications were made to the method. All VPH samples were received preserved properly at pH <2 in the proper containers as specified on the chain-of-custody form unless specified in this narrative.

Analytical column used for VPH analysis is Restek, Rtx-502.2, 105meter, 0.53mmID, 3um df. Trap used for VPH analysis is Carbopack B/CarboSieveS-III.

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Kerry K. McGee
Project Manager

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: Trip Blank Sampled: 9/28/2021 00:00

Sample ID: 21I1817-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
Methylene Chloride	0.73	5.0	0.30	µg/L	1	J	SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: Trip Blank Sampled: 9/28/2021 00:00

Sample ID: 21I1817-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:16	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	75.6	70-130		10/2/21 2:16
Toluene-d8	95.9	70-130		10/2/21 2:16
4-Bromofluorobenzene	97.3	70-130		10/2/21 2:16

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: FB-1-20210928 Sampled: 9/28/2021 13:30

Sample ID: 21I1817-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
Methylene Chloride	1.2	5.0	0.30	µg/L	1	J	SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: FB-1-20210928 Sampled: 9/28/2021 13:30

Sample ID: 21I1817-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 2:43	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	74.6	70-130		10/2/21 2:43
Toluene-d8	95.6	70-130		10/2/21 2:43
4-Bromofluorobenzene	97.5	70-130		10/2/21 2:43

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: FB-1-20210928 Sampled: 9/28/2021 13:30

Sample ID: 21I1817-02

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/1/21 21:01	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/1/21 21:01	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/1/21 21:01	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/1/21 21:01	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/1/21 21:01	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	89.5	70-130		10/1/21 21:01
2,5-Dibromotoluene (PID)	84.9	70-130		10/1/21 21:01

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: EB-1-20210928 Sampled: 9/28/2021 14:00

Sample ID: 21I1817-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
Methylene Chloride	1.1	5.0	0.30	µg/L	1	J	SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: EB-1-20210928 Sampled: 9/28/2021 14:00

Sample ID: 21I1817-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:09	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	77.2	70-130		10/2/21 3:09
Toluene-d8	96.0	70-130		10/2/21 3:09
4-Bromofluorobenzene	98.7	70-130		10/2/21 3:09

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: EB-1-20210928 Sampled: 9/28/2021 14:00

Sample ID: 21I1817-03

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/1/21 21:39	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/1/21 21:39	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/1/21 21:39	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/1/21 21:39	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/1/21 21:39	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	86.7	70-130		10/1/21 21:39
2,5-Dibromotoluene (PID)	85.3	70-130		10/1/21 21:39

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-34 Sampled: 9/28/2021 11:05

Sample ID: 21I1817-04

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-34 Sampled: 9/28/2021 11:05

Sample ID: 21I1817-04

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
Toluene	0.34	0.50	0.11	µg/L	1	J	SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
Trichlorofluoromethane (Freon 11)	0.19	0.50	0.19	µg/L	1	J	SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 3:35	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	74.4	70-130		10/2/21 3:35
Toluene-d8	95.2	70-130		10/2/21 3:35
4-Bromofluorobenzene	97.1	70-130		10/2/21 3:35

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-34 Sampled: 9/28/2021 11:05

Sample ID: 21I1817-04

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/1/21 22:17	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/1/21 22:17	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/1/21 22:17	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/1/21 22:17	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/1/21 22:17	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	87.9	70-130		10/1/21 22:17
2,5-Dibromotoluene (PID)	88.3	70-130		10/1/21 22:17

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-20 Sampled: 9/28/2021 11:25

Sample ID: 21I1817-05

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
Bromodichloromethane	0.67	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
Chloroform	3.7	0.50	0.19	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
Diisopropyl Ether (DIPE)	0.73	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-20 Sampled: 9/28/2021 11:25

Sample ID: 21I1817-05

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:01	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	74.7	70-130		10/2/21 4:01
Toluene-d8	97.6	70-130		10/2/21 4:01
4-Bromofluorobenzene	97.2	70-130		10/2/21 4:01

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-20 Sampled: 9/28/2021 11:25

Sample ID: 21I1817-05

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/1/21 22:54	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/1/21 22:54	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/1/21 22:54	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/1/21 22:54	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/1/21 22:54	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	88.1	70-130		10/1/21 22:54
2,5-Dibromotoluene (PID)	89.1	70-130		10/1/21 22:54

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-53 Sampled: 9/28/2021 10:45

Sample ID: 21I1817-06

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
Chloroform	0.27	0.50	0.19	µg/L	1	J	SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-53 Sampled: 9/28/2021 10:45

Sample ID: 21I1817-06

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:27	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	74.6	70-130		10/2/21 4:27
Toluene-d8	95.7	70-130		10/2/21 4:27
4-Bromofluorobenzene	96.9	70-130		10/2/21 4:27

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-53 Sampled: 9/28/2021 10:45

Sample ID: 21I1817-06

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/1/21 23:32	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/1/21 23:32	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/1/21 23:32	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/1/21 23:32	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/1/21 23:32	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	94.3	70-130		10/1/21 23:32
2,5-Dibromotoluene (PID)	91.6	70-130		10/1/21 23:32

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: DUP-1-20210928 Sampled: 9/28/2021 00:00

Sample ID: 21I1817-07

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
Chloroform	0.27	0.50	0.19	µg/L	1	J	SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: DUP-1-20210928 Sampled: 9/28/2021 00:00

Sample ID: 21I1817-07

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 4:54	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	76.0	70-130		10/2/21 4:54
Toluene-d8	95.0	70-130		10/2/21 4:54
4-Bromofluorobenzene	96.8	70-130		10/2/21 4:54

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: DUP-1-20210928 Sampled: 9/28/2021 00:00

Sample ID: 21I1817-07

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/2/21 0:09	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/2/21 0:09	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/2/21 0:09	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/2/21 0:09	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/2/21 0:09	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	88.0	70-130		10/2/21 0:09
2,5-Dibromotoluene (PID)	88.3	70-130		10/2/21 0:09

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-56 Sampled: 9/28/2021 11:00

Sample ID: 21I1817-08

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-56 Sampled: 9/28/2021 11:00

Sample ID: 21I1817-08

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:20	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	74.6	70-130		10/2/21 5:20
Toluene-d8	95.6	70-130		10/2/21 5:20
4-Bromofluorobenzene	95.2	70-130		10/2/21 5:20

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-56 Sampled: 9/28/2021 11:00

Sample ID: 21I1817-08

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/2/21 0:47	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/2/21 0:47	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/2/21 0:47	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/2/21 0:47	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/2/21 0:47	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	90.0	70-130		10/2/21 0:47
2,5-Dibromotoluene (PID)	90.9	70-130		10/2/21 0:47

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-33 Sampled: 9/28/2021 12:05

Sample ID: 21I1817-09

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-33 Sampled: 9/28/2021 12:05

Sample ID: 21I1817-09

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 5:46	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	70.1	70-130		10/2/21 5:46
Toluene-d8	93.5	70-130		10/2/21 5:46
4-Bromofluorobenzene	97.8	70-130		10/2/21 5:46

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Date Received: 9/30/2021

Field Sample #: MW-33 Sampled: 9/28/2021 12:05

Sample ID: 21I1817-09

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/2/21 1:25	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/2/21 1:25	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/2/21 1:25	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/2/21 1:25	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/2/21 1:25	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
2,5-Dibromotoluene (FID)	93.9	70-130		10/2/21 1:25	
2,5-Dibromotoluene (PID)	92.9	70-130		10/2/21 1:25	

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-57 Sampled: 9/28/2021 12:30

Sample ID: 21I1817-10

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-57 Sampled: 9/28/2021 12:30

Sample ID: 21I1817-10

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:12	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	70.2	70-130		10/2/21 6:12
Toluene-d8	91.6	70-130		10/2/21 6:12
4-Bromofluorobenzene	99.2	70-130		10/2/21 6:12

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-57 Sampled: 9/28/2021 12:30

Sample ID: 21I1817-10

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/2/21 2:03	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/2/21 2:03	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/2/21 2:03	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/2/21 2:03	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/2/21 2:03	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	101	70-130		10/2/21 2:03
2,5-Dibromotoluene (PID)	97.3	70-130		10/2/21 2:03

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-07 Sampled: 9/28/2021 12:30

Sample ID: 21I1817-11

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	23	0.50	0.13	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
sec-Butylbenzene	0.14	0.50	0.10	µg/L	1	J	SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
Diisopropyl Ether (DIPE)	1.5	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
Ethylbenzene	59	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
Isopropylbenzene (Cumene)	1.7	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
Naphthalene	2.5	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
n-Propylbenzene	2.9	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-07 Sampled: 9/28/2021 12:30

Sample ID: 21I1817-11

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
Toluene	290	20	4.4	µg/L	40		SM21-23 6200B	10/1/21	10/4/21 15:43	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
1,2,4-Trimethylbenzene	32	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
1,3,5-Trimethylbenzene	12	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
m+p Xylene	230	1.0	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD
o-Xylene	130	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 6:38	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.4	70-130		10/4/21 15:43
1,2-Dichloroethane-d4	72.3	70-130		10/2/21 6:38
Toluene-d8	99.6	70-130		10/4/21 15:43
Toluene-d8	94.0	70-130		10/2/21 6:38
4-Bromofluorobenzene	100	70-130		10/4/21 15:43
4-Bromofluorobenzene	98.6	70-130		10/2/21 6:38

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-07 Sampled: 9/28/2021 12:30

Sample ID: 21I1817-11

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	1500	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/2/21 2:41	KMB
C5-C8 Aliphatics	1100	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/2/21 2:41	KMB
Unadjusted C9-C12 Aliphatics	500	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/2/21 2:41	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/2/21 2:41	KMB
C9-C10 Aromatics	150	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/2/21 2:41	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	95.9	70-130		10/2/21 2:41
2,5-Dibromotoluene (PID)	90.7	70-130		10/2/21 2:41

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-88 Sampled: 9/28/2021 12:55

Sample ID: 21I1817-12

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
Bromodichloromethane	0.22	0.50	0.14	µg/L	1	J	SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
Chloroform	1.2	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-88 Sampled: 9/28/2021 12:55

Sample ID: 21I1817-12

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 15:17	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	95.0	70-130		10/4/21 15:17
Toluene-d8	99.5	70-130		10/4/21 15:17
4-Bromofluorobenzene	99.5	70-130		10/4/21 15:17

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-88 Sampled: 9/28/2021 12:55

Sample ID: 21I1817-12

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/2/21 3:19	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/2/21 3:19	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/2/21 3:19	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/2/21 3:19	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/1/21	10/2/21 3:19	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
2,5-Dibromotoluene (FID)	86.7	70-130		10/2/21	3:19
2,5-Dibromotoluene (PID)	86.4	70-130		10/2/21	3:19

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-32 Sampled: 9/28/2021 13:35

Sample ID: 21I1817-13

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-32 Sampled: 9/28/2021 13:35

Sample ID: 21I1817-13

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:31	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	72.2	70-130		10/2/21 7:31
Toluene-d8	93.8	70-130		10/2/21 7:31
4-Bromofluorobenzene	102	70-130		10/2/21 7:31

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-32 Sampled: 9/28/2021 13:35

Sample ID: 21I1817-13

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/3/21	10/4/21 4:44	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/3/21	10/4/21 4:44	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/3/21	10/4/21 4:44	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/3/21	10/4/21 4:44	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/3/21	10/4/21 4:44	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
2,5-Dibromotoluene (FID)	76.8	70-130		10/4/21 4:44	
2,5-Dibromotoluene (PID)	72.2	70-130		10/4/21 4:44	

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-57D Sampled: 9/28/2021 14:30

Sample ID: 21I1817-14

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-57D Sampled: 9/28/2021 14:30

Sample ID: 21I1817-14

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 7:57	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	74.6	70-130		10/2/21 7:57
Toluene-d8	112	70-130		10/2/21 7:57
4-Bromofluorobenzene	84.8	70-130		10/2/21 7:57

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-57D Sampled: 9/28/2021 14:30

Sample ID: 21I1817-14

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/3/21	10/4/21 5:22	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/3/21	10/4/21 5:22	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/3/21	10/4/21 5:22	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/3/21	10/4/21 5:22	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/3/21	10/4/21 5:22	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	92.0	70-130		10/4/21 5:22
2,5-Dibromotoluene (PID)	88.1	70-130		10/4/21 5:22

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-94 Sampled: 9/28/2021 14:25

Sample ID: 21I1817-15

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
Bromodichloromethane	0.26	0.50	0.14	µg/L	1	J	SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
Chloroform	1.8	0.50	0.19	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
Ethylbenzene	0.41	0.50	0.090	µg/L	1	J	SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-94 Sampled: 9/28/2021 14:25

Sample ID: 21I1817-15

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
Toluene	2.4	0.50	0.11	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
1,2,4-Trimethylbenzene	0.10	0.50	0.10	µg/L	1	J	SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
m+p Xylene	1.5	1.0	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD
o-Xylene	0.64	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:23	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	71.4	70-130		10/2/21 8:23
Toluene-d8	95.0	70-130		10/2/21 8:23
4-Bromofluorobenzene	97.4	70-130		10/2/21 8:23

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-94 Sampled: 9/28/2021 14:25

Sample ID: 21I1817-15

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/3/21	10/4/21 5:59	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/3/21	10/4/21 5:59	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/3/21	10/4/21 5:59	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/3/21	10/4/21 5:59	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/3/21	10/4/21 5:59	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
2,5-Dibromotoluene (FID)	100	70-130		10/4/21 5:59	
2,5-Dibromotoluene (PID)	97.2	70-130		10/4/21 5:59	

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-36 Sampled: 9/28/2021 15:15

Sample ID: 21I1817-16

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-36 Sampled: 9/28/2021 15:15

Sample ID: 21I1817-16

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
Trichlorofluoromethane (Freon 11)	0.27	0.50	0.19	µg/L	1	J	SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 8:49	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	75.0	70-130		10/2/21 8:49
Toluene-d8	96.0	70-130		10/2/21 8:49
4-Bromofluorobenzene	127	70-130		10/2/21 8:49

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-36 Sampled: 9/28/2021 15:15

Sample ID: 21I1817-16

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/3/21	10/4/21 6:36	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/3/21	10/4/21 6:36	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/3/21	10/4/21 6:36	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/3/21	10/4/21 6:36	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/3/21	10/4/21 6:36	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	90.3	70-130		10/4/21 6:36
2,5-Dibromotoluene (PID)	91.7	70-130		10/4/21 6:36

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-89 Sampled: 9/28/2021 16:35

Sample ID: 21I1817-17

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-89 Sampled: 9/28/2021 16:35

Sample ID: 21I1817-17

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/1/21	10/2/21 9:15	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	74.5	70-130		10/2/21 9:15
Toluene-d8	95.9	70-130		10/2/21 9:15
4-Bromofluorobenzene	114	70-130		10/2/21 9:15

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21I1817

Date Received: 9/30/2021

Field Sample #: MW-89 Sampled: 9/28/2021 16:35

Sample ID: 21I1817-17

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/3/21	10/4/21 7:15	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/3/21	10/4/21 7:15	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/3/21	10/4/21 7:15	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/3/21	10/4/21 7:15	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/3/21	10/4/21 7:15	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
2,5-Dibromotoluene (FID)	83.9	70-130		10/4/21 7:15	
2,5-Dibromotoluene (PID)	80.0	70-130		10/4/21 7:15	

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Sample Extraction Data

Prep Method: MA VPH **Analytical Method: MADEP-VPH-Feb 2018 Rev 2.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21I1817-02 [FB-1-20210928]	B291515	5	5.00	10/01/21
21I1817-03 [EB-1-20210928]	B291515	5	5.00	10/01/21
21I1817-04 [MW-34]	B291515	5	5.00	10/01/21
21I1817-05 [MW-20]	B291515	5	5.00	10/01/21
21I1817-06 [MW-53]	B291515	5	5.00	10/01/21
21I1817-07 [DUP-1-20210928]	B291515	5	5.00	10/01/21
21I1817-08 [MW-56]	B291515	5	5.00	10/01/21
21I1817-09 [MW-33]	B291515	5	5.00	10/01/21
21I1817-10 [MW-57]	B291515	5	5.00	10/01/21
21I1817-11 [MW-07]	B291515	5	5.00	10/01/21
21I1817-12 [MW-88]	B291515	5	5.00	10/01/21

Prep Method: MA VPH **Analytical Method: MADEP-VPH-Feb 2018 Rev 2.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21I1817-13 [MW-32]	B291595	5	5.00	10/03/21
21I1817-14 [MW-57D]	B291595	5	5.00	10/03/21
21I1817-15 [MW-94]	B291595	5	5.00	10/03/21
21I1817-16 [MW-36]	B291595	5	5.00	10/03/21
21I1817-17 [MW-89]	B291595	5	5.00	10/03/21

Prep Method: SW-846 5030B **Analytical Method: SM21-23 6200B**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21I1817-01 [Trip Blank]	B291519	5	5.00	10/01/21
21I1817-02 [FB-1-20210928]	B291519	5	5.00	10/01/21
21I1817-03 [EB-1-20210928]	B291519	5	5.00	10/01/21
21I1817-04 [MW-34]	B291519	5	5.00	10/01/21
21I1817-05 [MW-20]	B291519	5	5.00	10/01/21
21I1817-06 [MW-53]	B291519	5	5.00	10/01/21
21I1817-07 [DUP-1-20210928]	B291519	5	5.00	10/01/21
21I1817-08 [MW-56]	B291519	5	5.00	10/01/21
21I1817-09 [MW-33]	B291519	5	5.00	10/01/21
21I1817-10 [MW-57]	B291519	5	5.00	10/01/21
21I1817-11 [MW-07]	B291519	5	5.00	10/01/21
21I1817-13 [MW-32]	B291519	5	5.00	10/01/21
21I1817-14 [MW-57D]	B291519	5	5.00	10/01/21
21I1817-15 [MW-94]	B291519	5	5.00	10/01/21
21I1817-16 [MW-36]	B291519	5	5.00	10/01/21
21I1817-17 [MW-89]	B291519	5	5.00	10/01/21

Prep Method: SW-846 5030B **Analytical Method: SM21-23 6200B**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21I1817-11RE1 [MW-07]	B291626	0.125	5.00	10/01/21
21I1817-12 [MW-88]	B291626	5	5.00	10/04/21

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291519 - SW-846 5030B										
Blank (B291519-BLK1)				Prepared: 10/01/21 Analyzed: 10/02/21						
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromochloromethane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	2.0	µg/L							
n-Butylbenzene	ND	0.50	µg/L							
sec-Butylbenzene	ND	0.50	µg/L							
tert-Butylbenzene	ND	0.50	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							L-04
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
Naphthalene	ND	0.50	µg/L							
n-Propylbenzene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
1,2,3-Trichlorobenzene	ND	1.0	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291519 - SW-846 5030B												
Blank (B291519-BLK1)				Prepared: 10/01/21 Analyzed: 10/02/21								
Trichloroethylene	ND	0.50	µg/L									
Trichlorofluoromethane (Freon 11)	ND	0.50	µg/L									
1,2,3-Trichloropropane	ND	0.50	µg/L									
1,2,4-Trimethylbenzene	ND	0.50	µg/L									
1,3,5-Trimethylbenzene	ND	0.50	µg/L									
Vinyl Chloride	ND	0.50	µg/L									
m+p Xylene	ND	1.0	µg/L									
o-Xylene	ND	0.50	µg/L									
Surrogate: 1,2-Dichloroethane-d4	*19.4*		µg/L	25.0		77.6		70-130				
Surrogate: Toluene-d8	*24.0*		µg/L	25.0		95.9		70-130				
Surrogate: 4-Bromofluorobenzene	*24.6*		µg/L	25.0		98.3		70-130				
LCS (B291519-BS1)				Prepared: 10/01/21 Analyzed: 10/02/21								
Benzene	10.6	0.50	µg/L	10.0		106		70-130				
Bromobenzene	9.99	0.50	µg/L	10.0		99.9		70-130				
Bromochloromethane	12.5	0.50	µg/L	10.0		125		70-130				
Bromodichloromethane	9.74	0.50	µg/L	10.0		97.4		70-130				
Bromoform	10.2	0.50	µg/L	10.0		102		70-130				
Bromomethane	16.1	2.0	µg/L	10.0		**161**	*	60-140			L-02	†
n-Butylbenzene	7.75	0.50	µg/L	10.0		77.5		70-130				
sec-Butylbenzene	8.74	0.50	µg/L	10.0		87.4		70-130				
tert-Butylbenzene	9.19	0.50	µg/L	10.0		91.9		70-130				
Carbon Tetrachloride	10.2	0.50	µg/L	10.0		102		70-130				
Chlorobenzene	10.5	0.50	µg/L	10.0		105		70-130				
Chlorodibromomethane	10.8	0.50	µg/L	10.0		108		70-130				
Chloroethane	10.2	0.50	µg/L	10.0		102		60-140				
Chloroform	9.47	0.50	µg/L	10.0		94.7		70-130				
Chloromethane	4.77	0.60	µg/L	10.0		**47.7**	*	60-140			L-04	†
2-Chlorotoluene	9.95	0.50	µg/L	10.0		99.5		70-130				
4-Chlorotoluene	9.85	0.50	µg/L	10.0		98.5		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	7.58	5.0	µg/L	10.0		75.8		70-130				
1,2-Dibromoethane (EDB)	11.6	0.50	µg/L	10.0		116		70-130				
Dibromomethane	11.1	1.0	µg/L	10.0		111		70-130				
1,2-Dichlorobenzene	9.03	0.50	µg/L	10.0		90.3		70-130				
1,3-Dichlorobenzene	9.05	0.50	µg/L	10.0		90.5		70-130				
1,4-Dichlorobenzene	8.95	0.50	µg/L	10.0		89.5		70-130				
Dichlorodifluoromethane (Freon 12)	10.3	0.50	µg/L	10.0		103		60-140				†
1,1-Dichloroethane	10.6	0.50	µg/L	10.0		106		70-130				
1,2-Dichloroethane	10.0	0.50	µg/L	10.0		100		70-130				
1,1-Dichloroethylene	10.2	0.50	µg/L	10.0		102		70-130				
cis-1,2-Dichloroethylene	10.1	0.50	µg/L	10.0		101		70-130				
trans-1,2-Dichloroethylene	10.8	0.50	µg/L	10.0		108		70-130				
1,2-Dichloropropane	11.1	0.50	µg/L	10.0		111		70-130				
1,3-Dichloropropane	11.1	0.50	µg/L	10.0		111		70-130				
2,2-Dichloropropane	7.85	0.50	µg/L	10.0		78.5		70-130				†
1,1-Dichloropropene	10.4	0.50	µg/L	10.0		104		70-130				
cis-1,3-Dichloropropene	10.3	0.50	µg/L	10.0		103		70-130				
trans-1,3-Dichloropropene	9.75	0.50	µg/L	10.0		97.5		70-130				
Diisopropyl Ether (DIPE)	9.78	0.50	µg/L	10.0		97.8		70-130				
Ethylbenzene	10.3	0.50	µg/L	10.0		103		70-130				
Hexachlorobutadiene	7.97	0.60	µg/L	10.0		79.7		70-130				
Isopropylbenzene (Cumene)	10.7	0.50	µg/L	10.0		107		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291519 - SW-846 5030B												
LCS (B291519-BS1)				Prepared: 10/01/21 Analyzed: 10/02/21								
Methyl tert-Butyl Ether (MTBE)	9.67	0.50	µg/L	10.0		96.7		70-130				
Methylene Chloride	9.85	5.0	µg/L	10.0		98.5		70-130				
Naphthalene	7.31	0.50	µg/L	10.0		73.1		70-130				†
n-Propylbenzene	9.78	0.50	µg/L	10.0		97.8		70-130				
Styrene	10.4	0.50	µg/L	10.0		104		70-130				
1,1,1,2-Tetrachloroethane	11.2	0.50	µg/L	10.0		112		70-130				
1,1,2,2-Tetrachloroethane	10.7	0.50	µg/L	10.0		107		70-130				
Tetrachloroethylene	11.5	0.50	µg/L	10.0		115		70-130				
Toluene	10.5	0.50	µg/L	10.0		105		70-130				
1,2,3-Trichlorobenzene	7.75	1.0	µg/L	10.0		77.5		70-130				
1,2,4-Trichlorobenzene	8.44	0.50	µg/L	10.0		84.4		70-130				
1,1,1-Trichloroethane	9.88	0.50	µg/L	10.0		98.8		70-130				
1,1,2-Trichloroethane	11.6	0.50	µg/L	10.0		116		70-130				
Trichloroethylene	11.0	0.50	µg/L	10.0		110		70-130				
Trichlorofluoromethane (Freon 11)	9.41	0.50	µg/L	10.0		94.1		70-130				
1,2,3-Trichloropropane	11.3	0.50	µg/L	10.0		113		70-130				
1,2,4-Trimethylbenzene	9.01	0.50	µg/L	10.0		90.1		70-130				
1,3,5-Trimethylbenzene	10.5	0.50	µg/L	10.0		105		70-130				
Vinyl Chloride	10.6	0.50	µg/L	10.0		106		60-140				†
m+p Xylene	20.6	1.0	µg/L	20.0		103		70-130				
o-Xylene	10.2	0.50	µg/L	10.0		102		70-130				
Surrogate: 1,2-Dichloroethane-d4	*18.3*		µg/L	25.0		73.1		70-130				
Surrogate: Toluene-d8	*24.0*		µg/L	25.0		96.1		70-130				
Surrogate: 4-Bromofluorobenzene	*24.3*		µg/L	25.0		97.3		70-130				
LCS Dup (B291519-BSD1)				Prepared: 10/01/21 Analyzed: 10/02/21								
Benzene	10.8	0.50	µg/L	10.0		108		70-130	1.95	25		
Bromobenzene	10.4	0.50	µg/L	10.0		104		70-130	4.12	25		
Bromochloromethane	12.1	0.50	µg/L	10.0		121		70-130	2.60	25		
Bromodichloromethane	9.64	0.50	µg/L	10.0		96.4		70-130	1.03	25		
Bromoform	10.3	0.50	µg/L	10.0		103		70-130	1.08	25		
Bromomethane	16.7	2.0	µg/L	10.0		**167**	*	60-140	3.35	25	L-02	†
n-Butylbenzene	7.62	0.50	µg/L	10.0		76.2		70-130	1.69	25		
sec-Butylbenzene	8.61	0.50	µg/L	10.0		86.1		70-130	1.50	25		
tert-Butylbenzene	9.20	0.50	µg/L	10.0		92.0		70-130	0.109	25		
Carbon Tetrachloride	10.1	0.50	µg/L	10.0		101		70-130	0.884	25		
Chlorobenzene	10.7	0.50	µg/L	10.0		107		70-130	2.64	25		
Chlorodibromomethane	10.7	0.50	µg/L	10.0		107		70-130	1.12	25		
Chloroethane	10.9	0.50	µg/L	10.0		109		60-140	6.94	25		
Chloroform	9.60	0.50	µg/L	10.0		96.0		70-130	1.36	25		
Chloromethane	4.91	0.60	µg/L	10.0		**49.1**	*	60-140	2.89	25	L-04	†
2-Chlorotoluene	10.1	0.50	µg/L	10.0		101		70-130	1.40	25		
4-Chlorotoluene	10.1	0.50	µg/L	10.0		101		70-130	2.61	25		
1,2-Dibromo-3-chloropropane (DBCP)	7.29	5.0	µg/L	10.0		72.9		70-130	3.90	25		
1,2-Dibromoethane (EDB)	11.4	0.50	µg/L	10.0		114		70-130	1.31	25		
Dibromomethane	10.7	1.0	µg/L	10.0		107		70-130	3.48	25		
1,2-Dichlorobenzene	9.04	0.50	µg/L	10.0		90.4		70-130	0.111	25		
1,3-Dichlorobenzene	9.05	0.50	µg/L	10.0		90.5		70-130	0.00	25		
1,4-Dichlorobenzene	9.10	0.50	µg/L	10.0		91.0		70-130	1.66	25		
Dichlorodifluoromethane (Freon 12)	10.3	0.50	µg/L	10.0		103		60-140	0.388	25		†
1,1-Dichloroethane	10.5	0.50	µg/L	10.0		105		70-130	0.190	25		
1,2-Dichloroethane	10.3	0.50	µg/L	10.0		103		70-130	2.17	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291519 - SW-846 5030B										
LCS Dup (B291519-BSD1)				Prepared: 10/01/21 Analyzed: 10/02/21						
1,1-Dichloroethylene	10.2	0.50	µg/L	10.0		102	70-130	0.489	25	
cis-1,2-Dichloroethylene	10.2	0.50	µg/L	10.0		102	70-130	0.0986	25	
trans-1,2-Dichloroethylene	10.6	0.50	µg/L	10.0		106	70-130	2.05	25	
1,2-Dichloropropane	11.4	0.50	µg/L	10.0		114	70-130	2.39	25	
1,3-Dichloropropane	11.0	0.50	µg/L	10.0		110	70-130	0.542	25	
2,2-Dichloropropane	7.74	0.50	µg/L	10.0		77.4	70-130	1.41	25	†
1,1-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130	0.865	25	
cis-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130	2.06	25	
trans-1,3-Dichloropropene	9.72	0.50	µg/L	10.0		97.2	70-130	0.308	25	
Diisopropyl Ether (DIPE)	9.86	0.50	µg/L	10.0		98.6	70-130	0.815	25	
Ethylbenzene	10.4	0.50	µg/L	10.0		104	70-130	0.387	25	
Hexachlorobutadiene	8.25	0.60	µg/L	10.0		82.5	70-130	3.45	25	
Isopropylbenzene (Cumene)	10.7	0.50	µg/L	10.0		107	70-130	0.375	25	
Methyl tert-Butyl Ether (MTBE)	9.46	0.50	µg/L	10.0		94.6	70-130	2.20	25	
Methylene Chloride	9.77	5.0	µg/L	10.0		97.7	70-130	0.815	25	
Naphthalene	7.26	0.50	µg/L	10.0		72.6	70-130	0.686	25	†
n-Propylbenzene	9.83	0.50	µg/L	10.0		98.3	70-130	0.510	25	
Styrene	10.6	0.50	µg/L	10.0		106	70-130	1.90	25	
1,1,1,2-Tetrachloroethane	11.4	0.50	µg/L	10.0		114	70-130	1.32	25	
1,1,2,2-Tetrachloroethane	10.6	0.50	µg/L	10.0		106	70-130	0.844	25	
Tetrachloroethylene	11.0	0.50	µg/L	10.0		110	70-130	4.26	25	
Toluene	10.6	0.50	µg/L	10.0		106	70-130	0.852	25	
1,2,3-Trichlorobenzene	7.70	1.0	µg/L	10.0		77.0	70-130	0.647	25	
1,2,4-Trichlorobenzene	8.44	0.50	µg/L	10.0		84.4	70-130	0.00	25	
1,1,1-Trichloroethane	9.81	0.50	µg/L	10.0		98.1	70-130	0.711	25	
1,1,2-Trichloroethane	11.5	0.50	µg/L	10.0		115	70-130	1.30	25	
Trichloroethylene	10.7	0.50	µg/L	10.0		107	70-130	3.04	25	
Trichlorofluoromethane (Freon 11)	9.22	0.50	µg/L	10.0		92.2	70-130	2.04	25	
1,2,3-Trichloropropane	11.6	0.50	µg/L	10.0		116	70-130	2.36	25	
1,2,4-Trimethylbenzene	9.05	0.50	µg/L	10.0		90.5	70-130	0.443	25	
1,3,5-Trimethylbenzene	10.7	0.50	µg/L	10.0		107	70-130	1.89	25	
Vinyl Chloride	10.9	0.50	µg/L	10.0		109	60-140	2.69	25	†
m+p Xylene	21.3	1.0	µg/L	20.0		106	70-130	3.30	25	
o-Xylene	10.3	0.50	µg/L	10.0		103	70-130	1.37	25	
Surrogate: 1,2-Dichloroethane-d4	*18.6*		µg/L	25.0		74.5	70-130			
Surrogate: Toluene-d8	*23.7*		µg/L	25.0		94.8	70-130			
Surrogate: 4-Bromofluorobenzene	*24.6*		µg/L	25.0		98.4	70-130			
Batch B291626 - SW-846 5030B										
Blank (B291626-BLK1)				Prepared & Analyzed: 10/04/21						
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromochloromethane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	2.0	µg/L							
n-Butylbenzene	ND	0.50	µg/L							
sec-Butylbenzene	ND	0.50	µg/L							
tert-Butylbenzene	ND	0.50	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							

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Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291626 - SW-846 5030B										
Blank (B291626-BLK1)				Prepared & Analyzed: 10/04/21						
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							L-04
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
Naphthalene	ND	0.50	µg/L							
n-Propylbenzene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
1,2,3-Trichlorobenzene	ND	1.0	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	0.50	µg/L							
Trichlorofluoromethane (Freon 11)	ND	0.50	µg/L							
1,2,3-Trichloropropane	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	0.50	µg/L							
m+p Xylene	ND	1.0	µg/L							
o-Xylene	ND	0.50	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*23.8*		µg/L	25.0		95.0	70-130			
Surrogate: Toluene-d8	*24.9*		µg/L	25.0		99.8	70-130			
Surrogate: 4-Bromofluorobenzene	*25.4*		µg/L	25.0		101	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291626 - SW-846 5030B												
LCS (B291626-BS1)				Prepared & Analyzed: 10/04/21								
Benzene	11.6	0.50	µg/L	10.0		116		70-130				
Bromobenzene	10.7	0.50	µg/L	10.0		107		70-130				
Bromochloromethane	12.9	0.50	µg/L	10.0		129		70-130				
Bromodichloromethane	11.8	0.50	µg/L	10.0		118		70-130				
Bromoform	11.1	0.50	µg/L	10.0		111		70-130				
Bromomethane	18.6	2.0	µg/L	10.0		**186**	*	60-140			L-02	†
n-Butylbenzene	9.00	0.50	µg/L	10.0		90.0		70-130				
sec-Butylbenzene	8.93	0.50	µg/L	10.0		89.3		70-130				
tert-Butylbenzene	9.76	0.50	µg/L	10.0		97.6		70-130				
Carbon Tetrachloride	12.5	0.50	µg/L	10.0		125		70-130				
Chlorobenzene	10.2	0.50	µg/L	10.0		102		70-130				
Chlorodibromomethane	12.4	0.50	µg/L	10.0		124		70-130				
Chloroethane	9.81	0.50	µg/L	10.0		98.1		60-140				
Chloroform	11.7	0.50	µg/L	10.0		117		70-130				
Chloromethane	3.52	0.60	µg/L	10.0		**35.2**	*	60-140			L-04	†
2-Chlorotoluene	10.4	0.50	µg/L	10.0		104		70-130				
4-Chlorotoluene	10.4	0.50	µg/L	10.0		104		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	10.0	5.0	µg/L	10.0		100		70-130				
1,2-Dibromoethane (EDB)	12.1	0.50	µg/L	10.0		121		70-130				
Dibromomethane	13.0	1.0	µg/L	10.0		130		70-130				
1,2-Dichlorobenzene	9.26	0.50	µg/L	10.0		92.6		70-130				
1,3-Dichlorobenzene	9.18	0.50	µg/L	10.0		91.8		70-130				
1,4-Dichlorobenzene	8.95	0.50	µg/L	10.0		89.5		70-130				
Dichlorodifluoromethane (Freon 12)	11.5	0.50	µg/L	10.0		115		60-140				†
1,1-Dichloroethane	11.5	0.50	µg/L	10.0		115		70-130				
1,2-Dichloroethane	12.3	0.50	µg/L	10.0		123		70-130				
1,1-Dichloroethylene	11.4	0.50	µg/L	10.0		114		70-130				
cis-1,2-Dichloroethylene	11.5	0.50	µg/L	10.0		115		70-130				
trans-1,2-Dichloroethylene	11.9	0.50	µg/L	10.0		119		70-130				
1,2-Dichloropropane	11.7	0.50	µg/L	10.0		117		70-130				
1,3-Dichloropropane	12.9	0.50	µg/L	10.0		129		70-130				
2,2-Dichloropropane	13.0	0.50	µg/L	10.0		130		70-130				†
1,1-Dichloropropene	12.5	0.50	µg/L	10.0		125		70-130				
cis-1,3-Dichloropropene	12.6	0.50	µg/L	10.0		126		70-130				
trans-1,3-Dichloropropene	12.5	0.50	µg/L	10.0		125		70-130				
Diisopropyl Ether (DIPE)	8.44	0.50	µg/L	10.0		84.4		70-130				
Ethylbenzene	10.4	0.50	µg/L	10.0		104		70-130				
Hexachlorobutadiene	9.62	0.60	µg/L	10.0		96.2		70-130				
Isopropylbenzene (Cumene)	10.1	0.50	µg/L	10.0		101		70-130				
Methyl tert-Butyl Ether (MTBE)	11.9	0.50	µg/L	10.0		119		70-130				
Methylene Chloride	8.60	5.0	µg/L	10.0		86.0		70-130				
Naphthalene	7.55	0.50	µg/L	10.0		75.5		70-130				†
n-Propylbenzene	10.0	0.50	µg/L	10.0		100		70-130				
Styrene	10.2	0.50	µg/L	10.0		102		70-130				
1,1,1,2-Tetrachloroethane	10.8	0.50	µg/L	10.0		108		70-130				
1,1,2,2-Tetrachloroethane	10.8	0.50	µg/L	10.0		108		70-130				
Tetrachloroethylene	12.3	0.50	µg/L	10.0		123		70-130				
Toluene	11.5	0.50	µg/L	10.0		115		70-130				
1,2,3-Trichlorobenzene	8.28	1.0	µg/L	10.0		82.8		70-130				
1,2,4-Trichlorobenzene	8.88	0.50	µg/L	10.0		88.8		70-130				
1,1,1-Trichloroethane	12.6	0.50	µg/L	10.0		126		70-130				
1,1,2-Trichloroethane	12.7	0.50	µg/L	10.0		127		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291626 - SW-846 5030B												
LCS (B291626-BS1)				Prepared & Analyzed: 10/04/21								
Trichloroethylene	13.0	0.50	µg/L	10.0		130		70-130				
Trichlorofluoromethane (Freon 11)	11.3	0.50	µg/L	10.0		113		70-130				
1,2,3-Trichloropropane	11.5	0.50	µg/L	10.0		115		70-130				
1,2,4-Trimethylbenzene	9.72	0.50	µg/L	10.0		97.2		70-130				
1,3,5-Trimethylbenzene	10.3	0.50	µg/L	10.0		103		70-130				
Vinyl Chloride	9.85	0.50	µg/L	10.0		98.5		60-140				†
m+p Xylene	21.5	1.0	µg/L	20.0		108		70-130				
o-Xylene	10.5	0.50	µg/L	10.0		105		70-130				
Surrogate: 1,2-Dichloroethane-d4	*22.9*		µg/L	25.0		91.7		70-130				
Surrogate: Toluene-d8	*25.0*		µg/L	25.0		100		70-130				
Surrogate: 4-Bromofluorobenzene	*25.5*		µg/L	25.0		102		70-130				
LCS Dup (B291626-BSD1)				Prepared & Analyzed: 10/04/21								
Benzene	11.5	0.50	µg/L	10.0		115		70-130	0.869	25		
Bromobenzene	10.8	0.50	µg/L	10.0		108		70-130	0.466	25		
Bromochloromethane	13.4	0.50	µg/L	10.0		**134**	*	70-130	4.03	25	L-07	
Bromodichloromethane	11.8	0.50	µg/L	10.0		118		70-130	0.00	25		
Bromoform	11.3	0.50	µg/L	10.0		113		70-130	1.07	25		
Bromomethane	19.0	2.0	µg/L	10.0		**190**	*	60-140	2.45	25	L-02	†
n-Butylbenzene	9.11	0.50	µg/L	10.0		91.1		70-130	1.21	25		
sec-Butylbenzene	8.99	0.50	µg/L	10.0		89.9		70-130	0.670	25		
tert-Butylbenzene	9.98	0.50	µg/L	10.0		99.8		70-130	2.23	25		
Carbon Tetrachloride	12.5	0.50	µg/L	10.0		125		70-130	0.160	25		
Chlorobenzene	10.1	0.50	µg/L	10.0		101		70-130	0.791	25		
Chlorodibromomethane	12.2	0.50	µg/L	10.0		122		70-130	1.14	25		
Chloroethane	9.82	0.50	µg/L	10.0		98.2		60-140	0.102	25		
Chloroform	12.1	0.50	µg/L	10.0		121		70-130	3.52	25		
Chloromethane	3.61	0.60	µg/L	10.0		**36.1**	*	60-140	2.52	25	L-04	†
2-Chlorotoluene	10.5	0.50	µg/L	10.0		105		70-130	1.25	25		
4-Chlorotoluene	10.4	0.50	µg/L	10.0		104		70-130	0.192	25		
1,2-Dibromo-3-chloropropane (DBCP)	11.4	5.0	µg/L	10.0		114		70-130	12.7	25		
1,2-Dibromoethane (EDB)	12.3	0.50	µg/L	10.0		123		70-130	1.23	25		
Dibromomethane	13.0	1.0	µg/L	10.0		130		70-130	0.384	25		
1,2-Dichlorobenzene	9.38	0.50	µg/L	10.0		93.8		70-130	1.29	25		
1,3-Dichlorobenzene	9.33	0.50	µg/L	10.0		93.3		70-130	1.62	25		
1,4-Dichlorobenzene	9.04	0.50	µg/L	10.0		90.4		70-130	1.00	25		
Dichlorodifluoromethane (Freon 12)	11.4	0.50	µg/L	10.0		114		60-140	0.175	25		†
1,1-Dichloroethane	11.7	0.50	µg/L	10.0		117		70-130	1.72	25		
1,2-Dichloroethane	12.6	0.50	µg/L	10.0		126		70-130	2.65	25		
1,1-Dichloroethylene	11.1	0.50	µg/L	10.0		111		70-130	3.29	25		
cis-1,2-Dichloroethylene	11.6	0.50	µg/L	10.0		116		70-130	0.866	25		
trans-1,2-Dichloroethylene	11.8	0.50	µg/L	10.0		118		70-130	1.27	25		
1,2-Dichloropropane	12.3	0.50	µg/L	10.0		123		70-130	4.84	25		
1,3-Dichloropropane	13.1	0.50	µg/L	10.0		**131**	*	70-130	2.08	25	L-07	
2,2-Dichloropropane	12.6	0.50	µg/L	10.0		126		70-130	3.19	25		†
1,1-Dichloropropene	12.5	0.50	µg/L	10.0		125		70-130	0.560	25		
cis-1,3-Dichloropropene	12.5	0.50	µg/L	10.0		125		70-130	0.716	25		
trans-1,3-Dichloropropene	12.9	0.50	µg/L	10.0		129		70-130	3.22	25		
Diisopropyl Ether (DIPE)	8.54	0.50	µg/L	10.0		85.4		70-130	1.18	25		
Ethylbenzene	10.6	0.50	µg/L	10.0		106		70-130	1.24	25		
Hexachlorobutadiene	9.76	0.60	µg/L	10.0		97.6		70-130	1.44	25		
Isopropylbenzene (Cumene)	10.2	0.50	µg/L	10.0		102		70-130	0.790	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291626 - SW-846 5030B										
LCS Dup (B291626-BSD1)				Prepared & Analyzed: 10/04/21						
Methyl tert-Butyl Ether (MTBE)	11.9	0.50	µg/L	10.0		119	70-130	0.337	25	
Methylene Chloride	8.85	5.0	µg/L	10.0		88.5	70-130	2.87	25	
Naphthalene	7.89	0.50	µg/L	10.0		78.9	70-130	4.40	25	†
n-Propylbenzene	10.1	0.50	µg/L	10.0		101	70-130	0.298	25	
Styrene	10.1	0.50	µg/L	10.0		101	70-130	0.790	25	
1,1,1,2-Tetrachloroethane	11.4	0.50	µg/L	10.0		114	70-130	5.49	25	
1,1,2,2-Tetrachloroethane	10.8	0.50	µg/L	10.0		108	70-130	0.278	25	
Tetrachloroethylene	11.8	0.50	µg/L	10.0		118	70-130	3.91	25	
Toluene	11.6	0.50	µg/L	10.0		116	70-130	0.346	25	
1,2,3-Trichlorobenzene	8.63	1.0	µg/L	10.0		86.3	70-130	4.14	25	
1,2,4-Trichlorobenzene	9.56	0.50	µg/L	10.0		95.6	70-130	7.38	25	
1,1,1-Trichloroethane	12.4	0.50	µg/L	10.0		124	70-130	1.28	25	
1,1,2-Trichloroethane	12.2	0.50	µg/L	10.0		122	70-130	3.93	25	
Trichloroethylene	13.0	0.50	µg/L	10.0		130	70-130	0.153	25	
Trichlorofluoromethane (Freon 11)	11.8	0.50	µg/L	10.0		118	70-130	4.40	25	
1,2,3-Trichloropropane	11.5	0.50	µg/L	10.0		115	70-130	0.00	25	
1,2,4-Trimethylbenzene	9.83	0.50	µg/L	10.0		98.3	70-130	1.13	25	
1,3,5-Trimethylbenzene	10.4	0.50	µg/L	10.0		104	70-130	0.387	25	
Vinyl Chloride	9.62	0.50	µg/L	10.0		96.2	60-140	2.36	25	†
m+p Xylene	21.0	1.0	µg/L	20.0		105	70-130	2.26	25	
o-Xylene	10.5	0.50	µg/L	10.0		105	70-130	0.667	25	
Surrogate: 1,2-Dichloroethane-d4	*23.2*		µg/L	25.0		93.0	70-130			
Surrogate: Toluene-d8	*24.9*		µg/L	25.0		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	*25.8*		µg/L	25.0		103	70-130			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291515 - MA VPH										
Blank (B291515-BLK1)				Prepared & Analyzed: 10/01/21						
Unadjusted C5-C8 Aliphatics	ND	100	µg/L							
C5-C8 Aliphatics	ND	100	µg/L							
Unadjusted C9-C12 Aliphatics	ND	100	µg/L							
C9-C12 Aliphatics	ND	100	µg/L							
C9-C10 Aromatics	ND	100	µg/L							
Benzene	ND	1.0	µg/L							
Butylcyclohexane	ND	1.0	µg/L							
Decane	ND	1.0	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
2-Methylpentane	ND	1.0	µg/L							
Naphthalene	ND	5.0	µg/L							
Nonane	ND	1.0	µg/L							
Pentane	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
2,2,4-Trimethylpentane	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 2,5-Dibromotoluene (FID)	*37.4*		µg/L	40.0		93.4	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*37.2*		µg/L	40.0		93.0	70-130			
LCS (B291515-BS1)				Prepared & Analyzed: 10/01/21						
Benzene	45.9	1.0	µg/L	50.0		91.8	70-130			
Butylcyclohexane	64.4	1.0	µg/L	50.0		129	70-130			
Decane	52.6	1.0	µg/L	50.0		105	70-130			
Ethylbenzene	46.4	1.0	µg/L	50.0		92.7	70-130			
Methyl tert-Butyl Ether (MTBE)	46.1	1.0	µg/L	50.0		92.2	70-130			
2-Methylpentane	38.7	1.0	µg/L	50.0		77.3	70-130			
Naphthalene	43.8	5.0	µg/L	50.0		87.7	70-130			
Nonane	63.9	1.0	µg/L	50.0		128	70-130			
Pentane	39.5	1.0	µg/L	50.0		79.0	70-130			
Toluene	47.5	1.0	µg/L	50.0		94.9	70-130			
1,2,4-Trimethylbenzene	44.3	1.0	µg/L	50.0		88.5	70-130			
2,2,4-Trimethylpentane	40.3	1.0	µg/L	50.0		80.6	70-130			
m+p Xylene	94.3	2.0	µg/L	100		94.3	70-130			
o-Xylene	48.4	1.0	µg/L	50.0		96.8	70-130			
Surrogate: 2,5-Dibromotoluene (FID)	*38.2*		µg/L	40.0		95.4	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*35.5*		µg/L	40.0		88.7	70-130			
LCS Dup (B291515-BSD1)				Prepared & Analyzed: 10/01/21						
Benzene	45.5	1.0	µg/L	50.0		91.0	70-130	0.956	25	
Butylcyclohexane	63.7	1.0	µg/L	50.0		127	70-130	1.05	25	
Decane	51.4	1.0	µg/L	50.0		103	70-130	2.32	25	
Ethylbenzene	45.6	1.0	µg/L	50.0		91.2	70-130	1.66	25	
Methyl tert-Butyl Ether (MTBE)	48.9	1.0	µg/L	50.0		97.7	70-130	5.83	25	
2-Methylpentane	39.7	1.0	µg/L	50.0		79.4	70-130	2.63	25	
Naphthalene	47.5	5.0	µg/L	50.0		95.0	70-130	8.00	25	
Nonane	63.0	1.0	µg/L	50.0		126	70-130	1.27	25	
Pentane	37.9	1.0	µg/L	50.0		75.7	70-130	4.23	25	
Toluene	46.3	1.0	µg/L	50.0		92.7	70-130	2.39	25	
1,2,4-Trimethylbenzene	43.1	1.0	µg/L	50.0		86.2	70-130	2.67	25	

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B291515 - MA VPH											
LCS Dup (B291515-BSD1)				Prepared & Analyzed: 10/01/21							
2,2,4-Trimethylpentane	39.0	1.0	µg/L	50.0		77.9		70-130	3.34	25	
m+p Xylene	92.8	2.0	µg/L	100		92.8		70-130	1.57	25	
o-Xylene	47.8	1.0	µg/L	50.0		95.6		70-130	1.25	25	
Surrogate: 2,5-Dibromotoluene (FID)	*47.4*		µg/L	40.0		118		70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*40.2*		µg/L	40.0		101		70-130			
Batch B291595 - MA VPH											
Blank (B291595-BLK1)				Prepared & Analyzed: 10/03/21							
Unadjusted C5-C8 Aliphatics	ND	100	µg/L								
C5-C8 Aliphatics	ND	100	µg/L								
Unadjusted C9-C12 Aliphatics	ND	100	µg/L								
C9-C12 Aliphatics	ND	100	µg/L								
C9-C10 Aromatics	ND	100	µg/L								
Benzene	ND	1.0	µg/L								
Butylcyclohexane	ND	1.0	µg/L								
Decane	ND	1.0	µg/L								
Ethylbenzene	ND	1.0	µg/L								
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L								
2-Methylpentane	ND	1.0	µg/L								
Naphthalene	ND	5.0	µg/L								
Nonane	ND	1.0	µg/L								
Pentane	ND	1.0	µg/L								
Toluene	ND	1.0	µg/L								
1,2,4-Trimethylbenzene	ND	1.0	µg/L								
2,2,4-Trimethylpentane	ND	1.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 2,5-Dibromotoluene (FID)	*35.9*		µg/L	40.0		89.6		70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*33.9*		µg/L	40.0		84.7		70-130			
LCS (B291595-BS1)				Prepared & Analyzed: 10/03/21							
Benzene	45.5	1.0	µg/L	50.0		91.1		70-130			
Butylcyclohexane	65.4	1.0	µg/L	50.0		**131**	*	70-130			L-07
Decane	54.0	1.0	µg/L	50.0		108		70-130			
Ethylbenzene	46.1	1.0	µg/L	50.0		92.2		70-130			
Methyl tert-Butyl Ether (MTBE)	47.2	1.0	µg/L	50.0		94.3		70-130			
2-Methylpentane	41.4	1.0	µg/L	50.0		82.8		70-130			
Naphthalene	49.9	5.0	µg/L	50.0		99.8		70-130			
Nonane	64.4	1.0	µg/L	50.0		129		70-130			
Pentane	38.0	1.0	µg/L	50.0		76.0		70-130			
Toluene	47.0	1.0	µg/L	50.0		94.1		70-130			
1,2,4-Trimethylbenzene	43.7	1.0	µg/L	50.0		87.5		70-130			
2,2,4-Trimethylpentane	42.1	1.0	µg/L	50.0		84.2		70-130			
m+p Xylene	92.0	2.0	µg/L	100		92.0		70-130			
o-Xylene	46.5	1.0	µg/L	50.0		92.9		70-130			
Surrogate: 2,5-Dibromotoluene (FID)	*42.1*		µg/L	40.0		105		70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*38.5*		µg/L	40.0		96.3		70-130			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291595 - MA VPH										
LCS Dup (B291595-BSD1)				Prepared & Analyzed: 10/03/21						
Benzene	44.2	1.0	µg/L	50.0		88.5	70-130	2.87	25	
Butylcyclohexane	64.1	1.0	µg/L	50.0		128	70-130	1.97	25	
Decane	53.1	1.0	µg/L	50.0		106	70-130	1.54	25	
Ethylbenzene	45.1	1.0	µg/L	50.0		90.2	70-130	2.13	25	
Methyl tert-Butyl Ether (MTBE)	46.3	1.0	µg/L	50.0		92.6	70-130	1.79	25	
2-Methylpentane	37.8	1.0	µg/L	50.0		75.6	70-130	9.01	25	
Naphthalene	45.7	5.0	µg/L	50.0		91.4	70-130	8.78	25	
Nonane	64.5	1.0	µg/L	50.0		129	70-130	0.0838	25	
Pentane	35.4	1.0	µg/L	50.0		70.7	70-130	7.24	25	
Toluene	46.1	1.0	µg/L	50.0		92.2	70-130	1.98	25	
1,2,4-Trimethylbenzene	43.6	1.0	µg/L	50.0		87.2	70-130	0.316	25	
2,2,4-Trimethylpentane	39.9	1.0	µg/L	50.0		79.7	70-130	5.42	25	
m+p Xylene	90.7	2.0	µg/L	100		90.7	70-130	1.41	25	
o-Xylene	46.2	1.0	µg/L	50.0		92.3	70-130	0.617	25	
Surrogate: 2,5-Dibromotoluene (FID)	*38.6*		µg/L	40.0		96.6	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*36.7*		µg/L	40.0		91.6	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
MADEP-VPH-Feb 2018 Rev 2.1 in Water	
Unadjusted C5-C8 Aliphatics	CT,NC,ME,NH-P
C5-C8 Aliphatics	CT,NC,ME,NH-P
Unadjusted C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C10 Aromatics	CT,NC,ME,NH-P
Benzene	CT,NC,ME,NH-P
Ethylbenzene	CT,NC,ME,NH-P
Methyl tert-Butyl Ether (MTBE)	CT,NC,ME,NH-P
Naphthalene	CT,NC,ME,NH-P
Toluene	CT,NC,ME,NH-P
m+p Xylene	CT,NC,ME,NH-P
o-Xylene	CT,NC,ME,NH-P
SM21-23 6200B in Water	
Benzene	NC
Bromobenzene	NC
Bromochloromethane	NC
Bromodichloromethane	NC
Bromoform	NC
Bromomethane	NC
n-Butylbenzene	NC
sec-Butylbenzene	NC
tert-Butylbenzene	NC
Carbon Tetrachloride	NC
Chlorobenzene	NC
Chlorodibromomethane	NC
Chloroethane	NC
Chloroform	NC
Chloromethane	NC
2-Chlorotoluene	NC
4-Chlorotoluene	NC
1,2-Dibromoethane (EDB)	NC
1,2-Dichlorobenzene	NC
1,3-Dichlorobenzene	NC
1,4-Dichlorobenzene	NC
Dichlorodifluoromethane (Freon 12)	NC
1,1-Dichloroethane	NC
1,2-Dichloroethane	NC
1,1-Dichloroethylene	NC
cis-1,2-Dichloroethylene	NC
trans-1,2-Dichloroethylene	NC
1,2-Dichloropropane	NC
1,3-Dichloropropane	NC
2,2-Dichloropropane	NC
1,1-Dichloropropene	NC
cis-1,3-Dichloropropene	NC
trans-1,3-Dichloropropene	NC

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SM21-23 6200B in Water	
Diisopropyl Ether (DIPE)	NC
Ethylbenzene	NC
Isopropylbenzene (Cumene)	NC
Methyl tert-Butyl Ether (MTBE)	NC
Methylene Chloride	NC
Naphthalene	NC
n-Propylbenzene	NC
Styrene	NC
1,1,2,2-Tetrachloroethane	NC
Tetrachloroethylene	NC
Toluene	NC
1,2,3-Trichlorobenzene	NC
1,2,4-Trichlorobenzene	NC
1,1,1-Trichloroethane	NC
1,1,2-Trichloroethane	NC
Trichloroethylene	NC
Trichlorofluoromethane (Freon 11)	NC
1,2,3-Trichloropropane	NC
1,2,4-Trimethylbenzene	NC
1,3,5-Trimethylbenzene	NC
Vinyl Chloride	NC
m+p Xylene	NC
o-Xylene	NC

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

Internal Transfer Chain of Custody



241817 ☐ Samples Pre-Logged into eCOC.

State Of Origin: NC

Cert. Needed: [x] Yes ☐ No

Pace Analytical® www.pacelabs.com

Workorder: 92563804 **Workorder Name:** CPC Huntersville-60639876

Owner Received Date: 9/28/2021 **Results Requested By:** 10/1/2021

Report To	Subcontract To
Bonnie Vang Pace Analytical Charlotte 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 Phone (704)875-9092	Pace New England 39 Spruce St East Longmeadow, MA 01028 Phone (413)525-2332

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HCl	Requested Analysis: 6200B	NC VPH											LAB USE ONLY
1	Trip Blank	PS	9/28/2021 00:00	92563804001	Water	2	X													1
2	FB-1-20210928	PS	9/28/2021 13:30	92563804002	Water	7	X	X												2
3	EB-1-20210928	PS	9/28/2021 14:00	92563804003	Water	7	X	X												3
4	MW-35	PS	9/28/2021 11:05	92563804004	Water	7	X	X												4
5	MW-20	PS	9/28/2021 11:25	92563804005	Water	7	X	X												5
6	MW-53	PS	9/28/2021 10:45	92563804006	Water	7	X	X												6
7	DUP-1-20210928	PS	9/28/2021 00:00	92563804007	Water	7	X	X												7
8	MW-56	PS	9/28/2021 11:00	92563804008	Water	7	X	X												8
9	MW-33	PS	9/28/2021 12:05	92563804009	Water	7	X	X												9
10	MW-57	PS	9/28/2021 12:30	92563804010	Water	7	X	X												10
11	MW-07	PS	9/28/2021 12:30	92563804011	Water	7	X	X												11
12	MW-88	PS	9/28/2021 12:55	92563804012	Water	7	X	X												12
13	MW-32	PS	9/28/2021 13:35	92563804013	Water	7	X	X												13
14	MW-57D	PS	9/28/2021 14:30	92563804014	Water	7	X	X												14
15	MW-94	PS	9/28/2021 14:25	92563804015	Water	7	X	X												15
16	MW-36	PS	9/28/2021 15:15	92563804016	Water	7	X	X												16
17	MW-89	PS	9/28/2021 16:35	92563804017	Water	7	X	X												17

Transfers	Released By	Date/Time	Received By	Date/Time	Comments
1	[illegible]	9/29/21 1119	[illegible]	9/30/21 1554	
2					
3					

Cooler Temperature on Receipt 2.9 °C	Custody Seal Y or (N)	Received on Ice (Y) or N	Samples Intact (Y) or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.

FedEx

TRACK ANOTHER SHIPMENT

987548459832

ADD NICKNAME

Delivered
Thursday, September 30, 2021 at 3:54 pm

THIS IS 1 OF 2 PIECES



DELIVERED

Signature release on file

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM	TO
Huntersville, NC US	EAST LONGMEADOW, MA US

2 Piece Shipment

TRACKING ID	STATUS	SHIP DATE	DELIVERY DATE	HANDLING PIECE UNITS	SHIPPER CITY, STATE	RECIPIENT CITY, STATE
987548459821 (master)	Delivered	9/29/21	9/30/21	0	Huntersville NC	EAST LONGMEADOW MA
987548459832	Delivered	9/29/21	9/30/21	0	Huntersville NC	EAST LONGMEADOW MA

Travel History

TIME ZONE
Local Scan Time

Thursday, September 30, 2021

3:54 PM	EAST LONGMEADOW, MA	Delivered Package delivered to recipient address - release authorized
1:04 PM	WINDSOR LOCKS, CT	On FedEx vehicle for delivery
12:53 PM	WINDSOR LOCKS, CT	At local FedEx facility

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client: Pace Charlotte

Received By: _____ Date: 9/30/21 Time: 1554

How were the samples received? In Cooler: T No Cooler: _____ On Ice: T No Ice: _____ Direct from Sampling: _____ Ambient: _____ Melted Ice: _____

Were samples within Temperature? 2-6°C: T By Gun #: 3 Actual Temp: 2.4 By Blank #: _____ Actual Temp: _____

Was Custody Seal Intact? n/a Were Samples Tampered with? n/a

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client: T Project: T Analysis: T ID's: T Sampler Name: T Collection Dates/Times: T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? ~~F~~ T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? T On COC? T

Do all samples have the proper pH? Acid: n/a Base: n/a

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-	116	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 07, 2021

Andrew Wreschnig
AECOM
6000 Fairview Road
Suite 200
Charlotte, NC 28210

RE: Project: CPC Huntersville-60639876
Pace Project No.: 92564327

Dear Andrew Wreschnig:

Enclosed are the analytical results for sample(s) received by the laboratory on September 30, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang

Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Teresa Amentt Jennings, AECOM
Jeff Morrison, Colonial Pipeline Company

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: CPC Huntersville-60639876
Pace Project No.: 92564327

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

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(704)875-9092

SAMPLE SUMMARY

Project: CPC Huntersville-60639876
Pace Project No.: 92564327

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92564327001	**MW-86**	Water	09/30/21 13:30	09/30/21 16:50
92564327002	**MW-62D**	Water	09/30/21 15:15	09/30/21 16:50
92564327003	**MW-76**	Water	09/30/21 15:25	09/30/21 16:50
92564327004	**DUP-1-20210930**	Water	09/30/21 00:00	09/30/21 16:50
92564327005	**TRIP BLANK**	Water	09/30/21 00:00	09/30/21 16:50

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SAMPLE ANALYTE COUNT

Project: CPC Huntersville-60639876
Pace Project No.: 92564327

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92564327001	**MW-86**	EPA 6010D	DS	1	PASI-A
92564327002	**MW-62D**	EPA 6010D	DS	1	PASI-A
92564327003	**MW-76**	EPA 6010D	DS	1	PASI-A
92564327004	**DUP-1-20210930**	EPA 6010D	DS	1	PASI-A

PASI-A = Pace Analytical Services - Asheville

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ANALYTICAL RESULTS

Project: CPC Huntersville-60639876
Pace Project No.: 92564327

Sample: MW-86 **Lab ID: 92564327001** Collected: 09/30/21 13:30 Received: 09/30/21 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	**5.2**	ug/L	5.0	4.5	1	10/01/21 12:16	10/02/21 00:30	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CPC Huntersville-60639876
Pace Project No.: 92564327

Sample: MW-62D **Lab ID: 92564327002** Collected: 09/30/21 15:15 Received: 09/30/21 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	**5.6**	ug/L	5.0	4.5	1	10/01/21 12:16	10/02/21 00:43	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: CPC Huntersville-60639876
Pace Project No.: 92564327

Sample: MW-76 **Lab ID: 92564327003** Collected: 09/30/21 15:25 Received: 09/30/21 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/01/21 12:16	10/02/21 00:53	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CPC Huntersville-60639876
Pace Project No.: 92564327

Sample: DUP-1-20210930 **Lab ID: 92564327004** Collected: 09/30/21 00:00 Received: 09/30/21 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/01/21 12:16	10/02/21 00:57	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

QUALITY CONTROL DATA

Project: CPC Huntersville-60639876
Pace Project No.: 92564327

QC Batch: 650378
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92564327001, 92564327002, 92564327003, 92564327004

METHOD BLANK: 3411150 Matrix: Water
Associated Lab Samples: 92564327001, 92564327002, 92564327003, 92564327004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	4.5	10/02/21 00:23	

LABORATORY CONTROL SAMPLE: 3411151

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	512	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3411152 3411153

Parameter	Units	92564327001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	5.2	500	500	499	513	99	101	75-125	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: CPC Huntersville-60639876
Pace Project No.: 92564327

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CPC Huntersville-60639876
Pace Project No.: 92564327

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92564327001	**MW-86**	EPA 3010A	650378	EPA 6010D	650419
92564327002	**MW-62D**	EPA 3010A	650378	EPA 6010D	650419
92564327003	**MW-76**	EPA 3010A	650378	EPA 6010D	650419
92564327004	**DUP-1-20210930**	EPA 3010A	650378	EPA 6010D	650419

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Pace Analytical	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: October 28, 2020 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.07	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☑ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: AECom

Project #

WO# : 92564327

92564327

Courier: ☐ Commercial ☐ Fed Ex ☐ Pace ☐ UPS ☐ USPS ☐ Other: ☑ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☑ No

Date/Initials Person Examining Contents: 9/9/21 JB

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☐ IR Gun ID: 92564 ☑ Wet ☐ Blue ☐ None Type of Ice:

Cooler Temp: 4.6 Correction Factor: Add/Subtract (°C) 0

Cooler Temp Corrected (°C): 4.6

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (Internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: wt				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☑ No	☐ N/A	10.
Trip Blank Present?	☑ Yes	☐ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☐ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

***Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.**

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

****Bottom half of box is to list number of bottles**

Projec

WO# : 92564327

PM: BV Due Date: 10/05/21

CLIENT: 92-AECOM CHA

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AGUU-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1	\				\	\	\	\			\		\	\	\	7										\	\		
2	\				\	\	\	\			\		\	\	\	7										\	\		
3	\				\	\	\	\			\		\	\	\	7										\	\		
4	\				\	\	\	\			\		\	\	\	1										\	\		
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7	\				\	\	\	\			\		\	\	\											\	\		
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11	\				\	\	\	\			\		\	\	\											\	\		
12	\				\	\	\	\			\		\	\	\											\	\		

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office. (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Page : 1 Of 1

PINK

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	Regulatory Agency
Company: AECOM	Report To: Andy Wreschnig	Attention:	
Address: 6000 Fairview Road	Copy To:	Company Name:	State / Location: NC
Suite 200, Charlotte, NC 28210		Address:	
Email: andrew.wreschnig@aecom.com	Purchase Order #:	Pace Quote: 60639876	
Phone: (704)716-0757 Fax	Project Name: CPC Huntersville-60639876	Pace Project Manager: bonnie.vang@pacelabs.com,	
Requested Due Date: 3 DAY TAT	Project #:	Pace Profile #: 12518-3	

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	8200B	VPH	6010-Pb	n-butanol by 8200	Trip BLANK	Residual Chlorine (Y/N)	92564327
1	MW-86	W	G			9/30	1330	8				1	7						X	X	X					3 DAY TAT 001
2	MW-62D	W	G			9/30	1515	8				1	7						X	X	X					002
3	MW-76	W	G			9/30	1525	8				1	7						X	X	X					003
4	DUP-1-20210930	W	G			9/30		8				1	7						X	X	X					004
5	TRIP BLANK					Lab	Provided																X			005
6																										
7																										
8																										
9																										
10																										
11																										
12																										

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
3 DAY TAT		9/30/21	1650		9/30/21	1650	4.6	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Butler

SIGNATURE of SAMPLER:

DATE Signed: 9/30/21

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

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October 7, 2021

Bonnie Vang
Pace Analytical Services - NC
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078

Project Location: CPC Huntersville-60639876
Client Job Number:
Project Number: 92564327
Laboratory Work Order Number: 21J0102

Enclosed are results of analyses for samples as received by the laboratory on October 2, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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Pace Analytical Services - NC
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
ATTN: Bonnie Vang

REPORT DATE: 10/7/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 92564327

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21J0102

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: CPC Huntersville-60639876

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-86	21J0102-01	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-62D	21J0102-02	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-76	21J0102-03	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
DUP-1-20210930	21J0102-04	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
Trip Blank	21J0102-05	Water		SM21-23 6200B	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method MA VPH, only hydrocarbon ranges were requested and reported.

MADEP-VPH-Feb 2018 Rev 2.1

Qualifications:

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Pentane

B291746-BSD1

SM21-23 6200B

Qualifications:

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

Bromomethane

B291626-BS1, B291626-BSD1

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Chloromethane

21J0102-01[MW-86], 21J0102-02[MW-62D], 21J0102-03[MW-76], 21J0102-04[DUP-1-20210930], 21J0102-05[Trip Blank], B291626-BLK1, B291626-BS1, B291626-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

1,3-Dichloropropane

B291626-BSD1

Bromochloromethane

B291626-BSD1

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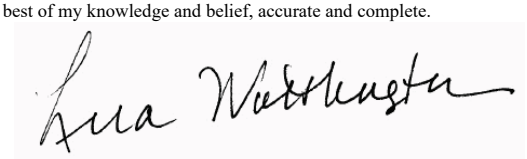
MADEP-VPH-Feb 2018 Rev 2.1

No significant modifications were made to the method. All VPH samples were received preserved properly at pH <2 in the proper containers as specified on the chain-of-custody form unless specified in this narrative.

Analytical column used for VPH analysis is Restek, Rtx-502.2, 105meter, 0.53mmID, 3um df. Trap used for VPH analysis is Carbopack B/CarboSieveS-III.

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington

Technical Representative

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0102

Date Received: 10/2/2021

Field Sample #: MW-86 Sampled: 9/30/2021 13:30

Sample ID: 21J0102-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0102

Date Received: 10/2/2021

Field Sample #: MW-86 Sampled: 9/30/2021 13:30

Sample ID: 21J0102-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:09	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	94.5	70-130		10/4/21 16:09
Toluene-d8	101	70-130		10/4/21 16:09
4-Bromofluorobenzene	101	70-130		10/4/21 16:09

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0102

Date Received: 10/2/2021

Field Sample #: MW-86 Sampled: 9/30/2021 13:30

Sample ID: 21J0102-01

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/5/21 21:00	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/5/21 21:00	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/5/21 21:00	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/5/21 21:00	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/5/21 21:00	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	82.5	70-130		10/5/21 21:00
2,5-Dibromotoluene (PID)	84.7	70-130		10/5/21 21:00

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0102

Date Received: 10/2/2021

Field Sample #: MW-62D Sampled: 9/30/2021 15:15

Sample ID: 21J0102-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
Ethylbenzene	0.20	0.50	0.090	µg/L	1	J	SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0102

Date Received: 10/2/2021

Field Sample #: MW-62D Sampled: 9/30/2021 15:15

Sample ID: 21J0102-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
Toluene	0.53	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
1,2,4-Trimethylbenzene	0.14	0.50	0.10	µg/L	1	J	SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
m+p Xylene	0.83	1.0	0.18	µg/L	1	J	SM21-23 6200B	10/4/21	10/4/21 16:35	LBD
o-Xylene	0.36	0.50	0.090	µg/L	1	J	SM21-23 6200B	10/4/21	10/4/21 16:35	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.6	70-130		10/4/21 16:35
Toluene-d8	99.2	70-130		10/4/21 16:35
4-Bromofluorobenzene	101	70-130		10/4/21 16:35

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0102

Date Received: 10/2/2021

Field Sample #: MW-62D Sampled: 9/30/2021 15:15

Sample ID: 21J0102-02

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/5/21 21:38	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/5/21 21:38	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/5/21 21:38	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/5/21 21:38	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/5/21 21:38	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	80.6	70-130		10/5/21 21:38
2,5-Dibromotoluene (PID)	78.4	70-130		10/5/21 21:38

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0102

Date Received: 10/2/2021

Field Sample #: MW-76 Sampled: 9/30/2021 15:25

Sample ID: 21J0102-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0102

Date Received: 10/2/2021

Field Sample #: MW-76 Sampled: 9/30/2021 15:25

Sample ID: 21J0102-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:02	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.2	70-130		10/4/21 17:02
Toluene-d8	99.4	70-130		10/4/21 17:02
4-Bromofluorobenzene	97.4	70-130		10/4/21 17:02

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0102

Date Received: 10/2/2021

Field Sample #: MW-76 Sampled: 9/30/2021 15:25

Sample ID: 21J0102-03

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/5/21 22:15	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/5/21 22:15	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/5/21 22:15	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/5/21 22:15	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/5/21 22:15	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	80.4	70-130		10/5/21 22:15
2,5-Dibromotoluene (PID)	76.3	70-130		10/5/21 22:15

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0102

Date Received: 10/2/2021

Field Sample #: DUP-1-20210930 Sampled: 9/30/2021 00:00

Sample ID: 21J0102-04

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0102

Date Received: 10/2/2021

Field Sample #: DUP-1-20210930 Sampled: 9/30/2021 00:00

Sample ID: 21J0102-04

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:28	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.9	70-130		10/4/21 17:28
Toluene-d8	98.7	70-130		10/4/21 17:28
4-Bromofluorobenzene	97.0	70-130		10/4/21 17:28

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0102

Date Received: 10/2/2021

Field Sample #: DUP-1-20210930 Sampled: 9/30/2021 00:00

Sample ID: 21J0102-04

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/5/21 22:53	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/5/21 22:53	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/5/21 22:53	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/5/21 22:53	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/5/21 22:53	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	81.4	70-130		10/5/21 22:53
2,5-Dibromotoluene (PID)	77.6	70-130		10/5/21 22:53

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0102

Date Received: 10/2/2021

Field Sample #: Trip Blank Sampled: 9/30/2021 00:00

Sample ID: 21J0102-05

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
Methylene Chloride	0.61	5.0	0.30	µg/L	1	J	SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0102

Date Received: 10/2/2021

Field Sample #: Trip Blank Sampled: 9/30/2021 00:00

Sample ID: 21J0102-05

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:24	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.1	70-130		10/4/21 14:24
Toluene-d8	101	70-130		10/4/21 14:24
4-Bromofluorobenzene	100	70-130		10/4/21 14:24

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Sample Extraction Data

Prep Method: MA VPH **Analytical Method: MADEP-VPH-Feb 2018 Rev 2.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21J0102-01 [MW-86]	B291746	5	5.00	10/05/21
21J0102-02 [MW-62D]	B291746	5	5.00	10/05/21
21J0102-03 [MW-76]	B291746	5	5.00	10/05/21
21J0102-04 [DUP-1-20210930]	B291746	5	5.00	10/05/21

Prep Method: SW-846 5030B **Analytical Method: SM21-23 6200B**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21J0102-01 [MW-86]	B291626	5	5.00	10/04/21
21J0102-02 [MW-62D]	B291626	5	5.00	10/04/21
21J0102-03 [MW-76]	B291626	5	5.00	10/04/21
21J0102-04 [DUP-1-20210930]	B291626	5	5.00	10/04/21
21J0102-05 [Trip Blank]	B291626	5	5.00	10/04/21

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291626 - SW-846 5030B										
Blank (B291626-BLK1)				Prepared & Analyzed: 10/04/21						
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromochloromethane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	2.0	µg/L							
n-Butylbenzene	ND	0.50	µg/L							
sec-Butylbenzene	ND	0.50	µg/L							
tert-Butylbenzene	ND	0.50	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							L-04
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
Naphthalene	ND	0.50	µg/L							
n-Propylbenzene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
1,2,3-Trichlorobenzene	ND	1.0	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291626 - SW-846 5030B												
Blank (B291626-BLK1)				Prepared & Analyzed: 10/04/21								
Trichloroethylene	ND	0.50	µg/L									
Trichlorofluoromethane (Freon 11)	ND	0.50	µg/L									
1,2,3-Trichloropropane	ND	0.50	µg/L									
1,2,4-Trimethylbenzene	ND	0.50	µg/L									
1,3,5-Trimethylbenzene	ND	0.50	µg/L									
Vinyl Chloride	ND	0.50	µg/L									
m+p Xylene	ND	1.0	µg/L									
o-Xylene	ND	0.50	µg/L									
Surrogate: 1,2-Dichloroethane-d4	*23.8*		µg/L	25.0		95.0		70-130				
Surrogate: Toluene-d8	*24.9*		µg/L	25.0		99.8		70-130				
Surrogate: 4-Bromofluorobenzene	*25.4*		µg/L	25.0		101		70-130				
LCS (B291626-BS1)				Prepared & Analyzed: 10/04/21								
Benzene	11.6	0.50	µg/L	10.0		116		70-130				
Bromobenzene	10.7	0.50	µg/L	10.0		107		70-130				
Bromochloromethane	12.9	0.50	µg/L	10.0		129		70-130				
Bromodichloromethane	11.8	0.50	µg/L	10.0		118		70-130				
Bromoform	11.1	0.50	µg/L	10.0		111		70-130				
Bromomethane	18.6	2.0	µg/L	10.0		**186**	*	60-140			L-02	†
n-Butylbenzene	9.00	0.50	µg/L	10.0		90.0		70-130				
sec-Butylbenzene	8.93	0.50	µg/L	10.0		89.3		70-130				
tert-Butylbenzene	9.76	0.50	µg/L	10.0		97.6		70-130				
Carbon Tetrachloride	12.5	0.50	µg/L	10.0		125		70-130				
Chlorobenzene	10.2	0.50	µg/L	10.0		102		70-130				
Chlorodibromomethane	12.4	0.50	µg/L	10.0		124		70-130				
Chloroethane	9.81	0.50	µg/L	10.0		98.1		60-140				
Chloroform	11.7	0.50	µg/L	10.0		117		70-130				
Chloromethane	3.52	0.60	µg/L	10.0		**35.2**	*	60-140			L-04	†
2-Chlorotoluene	10.4	0.50	µg/L	10.0		104		70-130				
4-Chlorotoluene	10.4	0.50	µg/L	10.0		104		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	10.0	5.0	µg/L	10.0		100		70-130				
1,2-Dibromoethane (EDB)	12.1	0.50	µg/L	10.0		121		70-130				
Dibromomethane	13.0	1.0	µg/L	10.0		130		70-130				
1,2-Dichlorobenzene	9.26	0.50	µg/L	10.0		92.6		70-130				
1,3-Dichlorobenzene	9.18	0.50	µg/L	10.0		91.8		70-130				
1,4-Dichlorobenzene	8.95	0.50	µg/L	10.0		89.5		70-130				
Dichlorodifluoromethane (Freon 12)	11.5	0.50	µg/L	10.0		115		60-140				†
1,1-Dichloroethane	11.5	0.50	µg/L	10.0		115		70-130				
1,2-Dichloroethane	12.3	0.50	µg/L	10.0		123		70-130				
1,1-Dichloroethylene	11.4	0.50	µg/L	10.0		114		70-130				
cis-1,2-Dichloroethylene	11.5	0.50	µg/L	10.0		115		70-130				
trans-1,2-Dichloroethylene	11.9	0.50	µg/L	10.0		119		70-130				
1,2-Dichloropropane	11.7	0.50	µg/L	10.0		117		70-130				
1,3-Dichloropropane	12.9	0.50	µg/L	10.0		129		70-130				
2,2-Dichloropropane	13.0	0.50	µg/L	10.0		130		70-130				†
1,1-Dichloropropene	12.5	0.50	µg/L	10.0		125		70-130				
cis-1,3-Dichloropropene	12.6	0.50	µg/L	10.0		126		70-130				
trans-1,3-Dichloropropene	12.5	0.50	µg/L	10.0		125		70-130				
Diisopropyl Ether (DIPE)	8.44	0.50	µg/L	10.0		84.4		70-130				
Ethylbenzene	10.4	0.50	µg/L	10.0		104		70-130				
Hexachlorobutadiene	9.62	0.60	µg/L	10.0		96.2		70-130				
Isopropylbenzene (Cumene)	10.1	0.50	µg/L	10.0		101		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291626 - SW-846 5030B												
LCS (B291626-BS1)				Prepared & Analyzed: 10/04/21								
Methyl tert-Butyl Ether (MTBE)	11.9	0.50	µg/L	10.0		119		70-130				
Methylene Chloride	8.60	5.0	µg/L	10.0		86.0		70-130				
Naphthalene	7.55	0.50	µg/L	10.0		75.5		70-130				†
n-Propylbenzene	10.0	0.50	µg/L	10.0		100		70-130				
Styrene	10.2	0.50	µg/L	10.0		102		70-130				
1,1,1,2-Tetrachloroethane	10.8	0.50	µg/L	10.0		108		70-130				
1,1,2,2-Tetrachloroethane	10.8	0.50	µg/L	10.0		108		70-130				
Tetrachloroethylene	12.3	0.50	µg/L	10.0		123		70-130				
Toluene	11.5	0.50	µg/L	10.0		115		70-130				
1,2,3-Trichlorobenzene	8.28	1.0	µg/L	10.0		82.8		70-130				
1,2,4-Trichlorobenzene	8.88	0.50	µg/L	10.0		88.8		70-130				
1,1,1-Trichloroethane	12.6	0.50	µg/L	10.0		126		70-130				
1,1,2-Trichloroethane	12.7	0.50	µg/L	10.0		127		70-130				
Trichloroethylene	13.0	0.50	µg/L	10.0		130		70-130				
Trichlorofluoromethane (Freon 11)	11.3	0.50	µg/L	10.0		113		70-130				
1,2,3-Trichloropropane	11.5	0.50	µg/L	10.0		115		70-130				
1,2,4-Trimethylbenzene	9.72	0.50	µg/L	10.0		97.2		70-130				
1,3,5-Trimethylbenzene	10.3	0.50	µg/L	10.0		103		70-130				
Vinyl Chloride	9.85	0.50	µg/L	10.0		98.5		60-140				†
m+p Xylene	21.5	1.0	µg/L	20.0		108		70-130				
o-Xylene	10.5	0.50	µg/L	10.0		105		70-130				
Surrogate: 1,2-Dichloroethane-d4	*22.9*		µg/L	25.0		91.7		70-130				
Surrogate: Toluene-d8	*25.0*		µg/L	25.0		100		70-130				
Surrogate: 4-Bromofluorobenzene	*25.5*		µg/L	25.0		102		70-130				
LCS Dup (B291626-BSD1)				Prepared & Analyzed: 10/04/21								
Benzene	11.5	0.50	µg/L	10.0		115		70-130	0.869	25		
Bromobenzene	10.8	0.50	µg/L	10.0		108		70-130	0.466	25		
Bromochloromethane	13.4	0.50	µg/L	10.0		**134**	*	70-130	4.03	25	L-07	
Bromodichloromethane	11.8	0.50	µg/L	10.0		118		70-130	0.00	25		
Bromoform	11.3	0.50	µg/L	10.0		113		70-130	1.07	25		
Bromomethane	19.0	2.0	µg/L	10.0		**190**	*	60-140	2.45	25	L-02	†
n-Butylbenzene	9.11	0.50	µg/L	10.0		91.1		70-130	1.21	25		
sec-Butylbenzene	8.99	0.50	µg/L	10.0		89.9		70-130	0.670	25		
tert-Butylbenzene	9.98	0.50	µg/L	10.0		99.8		70-130	2.23	25		
Carbon Tetrachloride	12.5	0.50	µg/L	10.0		125		70-130	0.160	25		
Chlorobenzene	10.1	0.50	µg/L	10.0		101		70-130	0.791	25		
Chlorodibromomethane	12.2	0.50	µg/L	10.0		122		70-130	1.14	25		
Chloroethane	9.82	0.50	µg/L	10.0		98.2		60-140	0.102	25		
Chloroform	12.1	0.50	µg/L	10.0		121		70-130	3.52	25		
Chloromethane	3.61	0.60	µg/L	10.0		**36.1**	*	60-140	2.52	25	L-04	†
2-Chlorotoluene	10.5	0.50	µg/L	10.0		105		70-130	1.25	25		
4-Chlorotoluene	10.4	0.50	µg/L	10.0		104		70-130	0.192	25		
1,2-Dibromo-3-chloropropane (DBCP)	11.4	5.0	µg/L	10.0		114		70-130	12.7	25		
1,2-Dibromoethane (EDB)	12.3	0.50	µg/L	10.0		123		70-130	1.23	25		
Dibromomethane	13.0	1.0	µg/L	10.0		130		70-130	0.384	25		
1,2-Dichlorobenzene	9.38	0.50	µg/L	10.0		93.8		70-130	1.29	25		
1,3-Dichlorobenzene	9.33	0.50	µg/L	10.0		93.3		70-130	1.62	25		
1,4-Dichlorobenzene	9.04	0.50	µg/L	10.0		90.4		70-130	1.00	25		
Dichlorodifluoromethane (Freon 12)	11.4	0.50	µg/L	10.0		114		60-140	0.175	25		†
1,1-Dichloroethane	11.7	0.50	µg/L	10.0		117		70-130	1.72	25		
1,2-Dichloroethane	12.6	0.50	µg/L	10.0		126		70-130	2.65	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291626 - SW-846 5030B												
LCS Dup (B291626-BSD1)				Prepared & Analyzed: 10/04/21								
1,1-Dichloroethylene	11.1	0.50	µg/L	10.0		111		70-130	3.29	25		
cis-1,2-Dichloroethylene	11.6	0.50	µg/L	10.0		116		70-130	0.866	25		
trans-1,2-Dichloroethylene	11.8	0.50	µg/L	10.0		118		70-130	1.27	25		
1,2-Dichloropropane	12.3	0.50	µg/L	10.0		123		70-130	4.84	25		
1,3-Dichloropropane	13.1	0.50	µg/L	10.0		**131**	*	70-130	2.08	25	L-07	
2,2-Dichloropropane	12.6	0.50	µg/L	10.0		126		70-130	3.19	25		†
1,1-Dichloropropene	12.5	0.50	µg/L	10.0		125		70-130	0.560	25		
cis-1,3-Dichloropropene	12.5	0.50	µg/L	10.0		125		70-130	0.716	25		
trans-1,3-Dichloropropene	12.9	0.50	µg/L	10.0		129		70-130	3.22	25		
Diisopropyl Ether (DIPE)	8.54	0.50	µg/L	10.0		85.4		70-130	1.18	25		
Ethylbenzene	10.6	0.50	µg/L	10.0		106		70-130	1.24	25		
Hexachlorobutadiene	9.76	0.60	µg/L	10.0		97.6		70-130	1.44	25		
Isopropylbenzene (Cumene)	10.2	0.50	µg/L	10.0		102		70-130	0.790	25		
Methyl tert-Butyl Ether (MTBE)	11.9	0.50	µg/L	10.0		119		70-130	0.337	25		
Methylene Chloride	8.85	5.0	µg/L	10.0		88.5		70-130	2.87	25		
Naphthalene	7.89	0.50	µg/L	10.0		78.9		70-130	4.40	25		†
n-Propylbenzene	10.1	0.50	µg/L	10.0		101		70-130	0.298	25		
Styrene	10.1	0.50	µg/L	10.0		101		70-130	0.790	25		
1,1,1,2-Tetrachloroethane	11.4	0.50	µg/L	10.0		114		70-130	5.49	25		
1,1,2,2-Tetrachloroethane	10.8	0.50	µg/L	10.0		108		70-130	0.278	25		
Tetrachloroethylene	11.8	0.50	µg/L	10.0		118		70-130	3.91	25		
Toluene	11.6	0.50	µg/L	10.0		116		70-130	0.346	25		
1,2,3-Trichlorobenzene	8.63	1.0	µg/L	10.0		86.3		70-130	4.14	25		
1,2,4-Trichlorobenzene	9.56	0.50	µg/L	10.0		95.6		70-130	7.38	25		
1,1,1-Trichloroethane	12.4	0.50	µg/L	10.0		124		70-130	1.28	25		
1,1,2-Trichloroethane	12.2	0.50	µg/L	10.0		122		70-130	3.93	25		
Trichloroethylene	13.0	0.50	µg/L	10.0		130		70-130	0.153	25		
Trichlorofluoromethane (Freon 11)	11.8	0.50	µg/L	10.0		118		70-130	4.40	25		
1,2,3-Trichloropropane	11.5	0.50	µg/L	10.0		115		70-130	0.00	25		
1,2,4-Trimethylbenzene	9.83	0.50	µg/L	10.0		98.3		70-130	1.13	25		
1,3,5-Trimethylbenzene	10.4	0.50	µg/L	10.0		104		70-130	0.387	25		
Vinyl Chloride	9.62	0.50	µg/L	10.0		96.2		60-140	2.36	25		†
m+p Xylene	21.0	1.0	µg/L	20.0		105		70-130	2.26	25		
o-Xylene	10.5	0.50	µg/L	10.0		105		70-130	0.667	25		
Surrogate: 1,2-Dichloroethane-d4	*23.2*		µg/L	25.0		93.0		70-130				
Surrogate: Toluene-d8	*24.9*		µg/L	25.0		99.6		70-130				
Surrogate: 4-Bromofluorobenzene	*25.8*		µg/L	25.0		103		70-130				

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B291746 - MA VPH											
Blank (B291746-BLK1)				Prepared & Analyzed: 10/05/21							
Unadjusted C5-C8 Aliphatics	ND	100	µg/L								
C5-C8 Aliphatics	ND	100	µg/L								
Unadjusted C9-C12 Aliphatics	ND	100	µg/L								
C9-C12 Aliphatics	ND	100	µg/L								
C9-C10 Aromatics	ND	100	µg/L								
Benzene	ND	1.0	µg/L								
Butylcyclohexane	ND	1.0	µg/L								
Decane	ND	1.0	µg/L								
Ethylbenzene	ND	1.0	µg/L								
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L								
2-Methylpentane	ND	1.0	µg/L								
Naphthalene	ND	5.0	µg/L								
Nonane	ND	1.0	µg/L								
Pentane	ND	1.0	µg/L								
Toluene	ND	1.0	µg/L								
1,2,4-Trimethylbenzene	ND	1.0	µg/L								
2,2,4-Trimethylpentane	ND	1.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 2,5-Dibromotoluene (FID)	*32.3*		µg/L	40.0		80.8		70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*31.5*		µg/L	40.0		78.8		70-130			
LCS (B291746-BS1)				Prepared & Analyzed: 10/05/21							
Benzene	44.6	1.0	µg/L	50.0		89.3		70-130			
Butylcyclohexane	63.9	1.0	µg/L	50.0		128		70-130			
Decane	52.2	1.0	µg/L	50.0		104		70-130			
Ethylbenzene	45.5	1.0	µg/L	50.0		90.9		70-130			
Methyl tert-Butyl Ether (MTBE)	44.2	1.0	µg/L	50.0		88.3		70-130			
2-Methylpentane	39.8	1.0	µg/L	50.0		79.7		70-130			
Naphthalene	44.6	5.0	µg/L	50.0		89.3		70-130			
Nonane	63.1	1.0	µg/L	50.0		126		70-130			
Pentane	37.9	1.0	µg/L	50.0		75.8		70-130			
Toluene	45.6	1.0	µg/L	50.0		91.2		70-130			
1,2,4-Trimethylbenzene	43.4	1.0	µg/L	50.0		86.9		70-130			
2,2,4-Trimethylpentane	37.9	1.0	µg/L	50.0		75.8		70-130			
m+p Xylene	92.7	2.0	µg/L	100		92.7		70-130			
o-Xylene	47.5	1.0	µg/L	50.0		94.9		70-130			
Surrogate: 2,5-Dibromotoluene (FID)	*35.7*		µg/L	40.0		89.3		70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*33.9*		µg/L	40.0		84.6		70-130			
LCS Dup (B291746-BSD1)				Prepared & Analyzed: 10/05/21							
Benzene	42.7	1.0	µg/L	50.0		85.4		70-130	4.41	25	
Butylcyclohexane	62.3	1.0	µg/L	50.0		125		70-130	2.49	25	
Decane	50.6	1.0	µg/L	50.0		101		70-130	3.07	25	
Ethylbenzene	43.8	1.0	µg/L	50.0		87.6		70-130	3.70	25	
Methyl tert-Butyl Ether (MTBE)	43.0	1.0	µg/L	50.0		86.0		70-130	2.74	25	
2-Methylpentane	37.4	1.0	µg/L	50.0		74.8		70-130	6.37	25	
Naphthalene	43.8	5.0	µg/L	50.0		87.6		70-130	1.87	25	
Nonane	61.7	1.0	µg/L	50.0		123		70-130	2.18	25	
Pentane	34.8	1.0	µg/L	50.0		**69.6**	*	70-130	8.55	25	L-07
Toluene	44.2	1.0	µg/L	50.0		88.4		70-130	3.14	25	
1,2,4-Trimethylbenzene	41.8	1.0	µg/L	50.0		83.7		70-130	3.75	25	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291746 - MA VPH										
LCS Dup (B291746-BSD1)				Prepared & Analyzed: 10/05/21						
2,2,4-Trimethylpentane	38.3	1.0	µg/L	50.0		76.6	70-130	1.02	25	
m+p Xylene	89.1	2.0	µg/L	100		89.1	70-130	3.99	25	
o-Xylene	45.9	1.0	µg/L	50.0		91.8	70-130	3.38	25	
Surrogate: 2,5-Dibromotoluene (FID)	*34.3*		µg/L	40.0		85.8	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*33.0*		µg/L	40.0		82.6	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

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A Pace Analytical® Laboratory

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
MADEP-VPH-Feb 2018 Rev 2.1 in Water	
Unadjusted C5-C8 Aliphatics	CT,NC,ME,NH-P
C5-C8 Aliphatics	CT,NC,ME,NH-P
Unadjusted C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C10 Aromatics	CT,NC,ME,NH-P
Benzene	CT,NC,ME,NH-P
Ethylbenzene	CT,NC,ME,NH-P
Methyl tert-Butyl Ether (MTBE)	CT,NC,ME,NH-P
Naphthalene	CT,NC,ME,NH-P
Toluene	CT,NC,ME,NH-P
m+p Xylene	CT,NC,ME,NH-P
o-Xylene	CT,NC,ME,NH-P
SM21-23 6200B in Water	
Benzene	NC
Bromobenzene	NC
Bromochloromethane	NC
Bromodichloromethane	NC
Bromoform	NC
Bromomethane	NC
n-Butylbenzene	NC
sec-Butylbenzene	NC
tert-Butylbenzene	NC
Carbon Tetrachloride	NC
Chlorobenzene	NC
Chlorodibromomethane	NC
Chloroethane	NC
Chloroform	NC
Chloromethane	NC
2-Chlorotoluene	NC
4-Chlorotoluene	NC
1,2-Dibromoethane (EDB)	NC
1,2-Dichlorobenzene	NC
1,3-Dichlorobenzene	NC
1,4-Dichlorobenzene	NC
Dichlorodifluoromethane (Freon 12)	NC
1,1-Dichloroethane	NC
1,2-Dichloroethane	NC
1,1-Dichloroethylene	NC
cis-1,2-Dichloroethylene	NC
trans-1,2-Dichloroethylene	NC
1,2-Dichloropropane	NC
1,3-Dichloropropane	NC
2,2-Dichloropropane	NC
1,1-Dichloropropene	NC
cis-1,3-Dichloropropene	NC
trans-1,3-Dichloropropene	NC

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SM21-23 6200B in Water	
Diisopropyl Ether (DIPE)	NC
Ethylbenzene	NC
Isopropylbenzene (Cumene)	NC
Methyl tert-Butyl Ether (MTBE)	NC
Methylene Chloride	NC
Naphthalene	NC
n-Propylbenzene	NC
Styrene	NC
1,1,2,2-Tetrachloroethane	NC
Tetrachloroethylene	NC
Toluene	NC
1,2,3-Trichlorobenzene	NC
1,2,4-Trichlorobenzene	NC
1,1,1-Trichloroethane	NC
1,1,2-Trichloroethane	NC
Trichloroethylene	NC
Trichlorofluoromethane (Freon 11)	NC
1,2,3-Trichloropropane	NC
1,2,4-Trimethylbenzene	NC
1,3,5-Trimethylbenzene	NC
Vinyl Chloride	NC
m+p Xylene	NC
o-Xylene	NC

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

Internal Transfer Chain of Custody

2J0102

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www.pacelabs.com

☐ Samples Pre-Logged into eCOC.

State Of Origin: NC
Cert. Needed: [X] Yes ☐ No
Owner Received Date: 9/30/2021 Results Requested By: 10/5/2021

Workorder: 92564327 **Workorder Name:** CPC Huntersville-60639876

Report To	Subcontract To
Bonnie Vang Pace Analytical Charlotte 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 Phone (704)875-9092	Pace New England 39 Spruce St. East Longmeadow, MA 01028 Phone (413)525-2332

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HCL	6200	NC VPH	LAB USE ONLY
1	MW-86	PS	9/30/2021 13:30	92564327001	Water	7	X	X	
2	MW-62D	PS	9/30/2021 15:15	92564327002	Water	7	X	X	
3	MW-76	PS	9/30/2021 15:25	92564327003	Water	7	X	X	
4	DUP-1-20210930	PS	9/30/2021 00:00	92564327004	Water	7	X	X	
5	TRIP BLANK	PS	9/30/2021 00:00	92564327005	Water	2	X		

Transfers	Released By	Date/Time	Received By	Date/Time
1	[signature] 10-1-21	1000	[signature]	10/2/21
2				
3				

Comments: 1005

Cooler Temperature on Receipt 2.2 °C | Custody Seal Y or (N) | Received on Ice (Y) or N | Samples Intact (Y) or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.

FedEx

TRACK ANOTHER SHIPMENT

987548461019

ADD NICKNAME

Delivered
Saturday, October 2, 2021 at 10:05 am

DELIVERED

Signed for by: S.FAUST

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM	TO
Huntersville, NC US	EAST LONGMEADOW, MA US

Travel History

TIME ZONE
Local Scan Time

Saturday, October 2, 2021

10:05 AM	EAST LONGMEADOW, MA	Delivered
9:13 AM	WINDSOR LOCKS, CT	On FedEx vehicle for delivery
9:04 AM	WINDSOR LOCKS, CT	At local FedEx facility
7:35 AM	EAST GRANBY, CT	At destination sort facility
4:17 AM	MEMPHIS, TN	Departed FedEx hub

Friday, October 1, 2021

11:05 PM	MEMPHIS, TN	Arrived at FedEx hub
8:22 PM	CONCORD, NC	Left FedEx origin facility
4:51 PM		Shipment information sent to FedEx
5:10 PM	CONCORD, NC	Picked up

Shipment Facts

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Pace-NC

Received By BLF Date 10/8/21 Time 1005

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____

Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 3 Actual Temp - 2.2°C

By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Project T Analysis T ID's T Sampler Name T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F

Are there Rushes? T Who was notified? _____

Are there Short Holds? F Who was notified? NA

Is there enough Volume? T Who was notified? _____

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? T On COC? T

Do all samples have the proper pH? Acid NA Base NA

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-	30	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 07, 2021

Andrew Wreschnig
AECOM
6000 Fairview Road
Suite 200
Charlotte, NC 28210

RE: Project: CPC Huntersville-60639876
Pace Project No.: 92564333

Dear Andrew Wreschnig:

Enclosed are the analytical results for sample(s) received by the laboratory on September 30, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Teresa Amentt Jennings, AECOM
Jeff Morrison, Colonial Pipeline Company

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CERTIFICATIONS

Project: CPC Huntersville-60639876
Pace Project No.: 92564333

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

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SAMPLE SUMMARY

Project: CPC Huntersville-60639876
Pace Project No.: 92564333

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92564333001	**MW-28**	Water	09/30/21 09:05	09/30/21 16:50
92564333002	**MW-81**	Water	09/30/21 09:40	09/30/21 16:50
92564333003	**MW-16**	Water	09/30/21 10:40	09/30/21 16:50
92564333004	**MW-78**	Water	09/30/21 10:50	09/30/21 16:50
92564333005	**MW-82**	Water	09/30/21 11:00	09/30/21 16:50
92564333006	**MW-17**	Water	09/30/21 11:45	09/30/21 16:50
92564333007	**MW-77**	Water	09/30/21 12:25	09/30/21 16:50
92564333008	**MW-83**	Water	09/30/21 13:05	09/30/21 16:50
92564333009	**MW-79**	Water	09/30/21 14:40	09/30/21 16:50
92564333010	**MW-80**	Water	09/30/21 15:05	09/30/21 16:50
92564333011	**MW-81**	Water	09/30/21 00:00	09/30/21 16:50

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SAMPLE ANALYTE COUNT

Project: CPC Huntersville-60639876
Pace Project No.: 92564333

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92564333001	**MW-28**	EPA 6010D	DS	1	PASI-A
92564333002	**MW-81**	EPA 6010D	DS	1	PASI-A
92564333003	**MW-16**	EPA 6010D	DS	1	PASI-A
92564333004	**MW-78**	EPA 6010D	DS	1	PASI-A
92564333005	**MW-82**	EPA 6010D	DS	1	PASI-A
92564333006	**MW-17**	EPA 6010D	DS	1	PASI-A
92564333007	**MW-77**	EPA 6010D	DS	1	PASI-A
92564333008	**MW-83**	EPA 6010D	DS	1	PASI-A
92564333009	**MW-79**	EPA 6010D	DS	1	PASI-A
92564333010	**MW-80**	EPA 6010D	DS	1	PASI-A

PASI-A = Pace Analytical Services - Asheville

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ANALYTICAL RESULTS

Project: CPC Huntersville-60639876
Pace Project No.: 92564333

Sample: MW-28 **Lab ID: 92564333001** Collected: 09/30/21 09:05 Received: 09/30/21 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/01/21 12:16	10/02/21 01:00	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CPC Huntersville-60639876
Pace Project No.: 92564333

Sample: MW-81 **Lab ID: 92564333002** Collected: 09/30/21 09:40 Received: 09/30/21 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/01/21 12:16	10/02/21 01:03	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC Huntersville-60639876
Pace Project No.: 92564333

Sample: MW-16 **Lab ID: 92564333003** Collected: 09/30/21 10:40 Received: 09/30/21 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/01/21 12:16	10/02/21 01:07	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC Huntersville-60639876
Pace Project No.: 92564333

Sample: MW-78 **Lab ID: 92564333004** Collected: 09/30/21 10:50 Received: 09/30/21 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/01/21 12:16	10/02/21 01:10	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC Huntersville-60639876
Pace Project No.: 92564333

Sample: MW-82 **Lab ID: 92564333005** Collected: 09/30/21 11:00 Received: 09/30/21 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/01/21 12:16	10/02/21 01:14	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC Huntersville-60639876
Pace Project No.: 92564333

Sample: MW-17 **Lab ID: 92564333006** Collected: 09/30/21 11:45 Received: 09/30/21 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/01/21 12:16	10/02/21 01:17	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC Huntersville-60639876
Pace Project No.: 92564333

Sample: MW-77 **Lab ID: 92564333007** Collected: 09/30/21 12:25 Received: 09/30/21 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/01/21 12:16	10/02/21 01:20	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC Huntersville-60639876
Pace Project No.: 92564333

Sample: MW-83 **Lab ID: 92564333008** Collected: 09/30/21 13:05 Received: 09/30/21 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/01/21 12:16	10/02/21 01:24	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC Huntersville-60639876
Pace Project No.: 92564333

Sample: MW-79 **Lab ID: 92564333009** Collected: 09/30/21 14:40 Received: 09/30/21 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/01/21 12:16	10/02/21 01:34	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CPC Huntersville-60639876
Pace Project No.: 92564333

Sample: MW-80 **Lab ID: 92564333010** Collected: 09/30/21 15:05 Received: 09/30/21 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/01/21 12:16	10/02/21 01:37	7439-92-1	

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Huntersville, NC 28078
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QUALITY CONTROL DATA

Project: CPC Huntersville-60639876
Pace Project No.: 92564333

QC Batch: 650378 — Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A — Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92564333001, 92564333002, 92564333003, 92564333004, 92564333005, 92564333006, 92564333007, 92564333008, 92564333009, 92564333010

METHOD BLANK: 3411150 — Matrix: Water
Associated Lab Samples: 92564333001, 92564333002, 92564333003, 92564333004, 92564333005, 92564333006, 92564333007, 92564333008, 92564333009, 92564333010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	4.5	10/02/21 00:23	

LABORATORY CONTROL SAMPLE: 3411151

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	512	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3411152 3411153

Parameter	Units	92564327001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	5.2	500	500	499	513	99	101	75-125	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: CPC Huntersville-60639876
Pace Project No.: 92564333

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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Huntersville, NC 28078
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CPC Huntersville-60639876
Pace Project No.: 92564333

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92564333001	**MW-28**	EPA 3010A	650378	EPA 6010D	650419
92564333002	**MW-81**	EPA 3010A	650378	EPA 6010D	650419
92564333003	**MW-16**	EPA 3010A	650378	EPA 6010D	650419
92564333004	**MW-78**	EPA 3010A	650378	EPA 6010D	650419
92564333005	**MW-82**	EPA 3010A	650378	EPA 6010D	650419
92564333006	**MW-17**	EPA 3010A	650378	EPA 6010D	650419
92564333007	**MW-77**	EPA 3010A	650378	EPA 6010D	650419
92564333008	**MW-83**	EPA 3010A	650378	EPA 6010D	650419
92564333009	**MW-79**	EPA 3010A	650378	EPA 6010D	650419
92564333010	**MW-80**	EPA 3010A	650378	EPA 6010D	650419

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Pace Analytical®	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: October 28, 2020 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.07	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☑ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: AECOM

Project

WO# : 92564333

92564333

Courier: ☐ Commercial ☐ Fed Ex ☐ Pace ☐ UPS ☐ USPS ☐ Other: ☑ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☑ No

Date/Initials Person Examining Contents: KD 10/1/21

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Thermometer: ☑ IR Gun ID: 92706e4 ☑ Wet ☐ Blue ☐ None

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Type of Ice:

Cooler Temp: 4.7 Correction Factor: Add/Subtract (°C) 0

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C):

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (Internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☑ Yes	☐ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: WT	☑ Yes	☐ No	☐ N/A	9.
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☑ No	☐ N/A	10.
Trip Blank Present?	☑ Yes	☐ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☑ Yes	☐ No	☐ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

***Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.**

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

****Bottom half of box is to list number of bottles**

Proje

WO#: 92564333

PM: BV Due Date: 10/05/21

CLIENT: 92-AECOM CHA

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1	\				\	\	\	\			\		\	\	\	7										\			
2	\				\	\	\	\			\		\	\	\	7										\			
3	\				\	\	\	\			\		\	\	\	7										\			
4	\				\	\	\	\			\		\	\	\	7										\			
5	\				\	\	\	\			\		\	\	\	7										\			
6	\				\	\	\	\			\		\	\	\	7										\			
7	\				\	\	\	\			\		\	\	\	7										\			
8	\				\	\	\	\			\		\	\	\	7										\			
9	\				\	\	\	\			\		\	\	\	7										\			
10	\				\	\	\	\			\		\	\	\	7										\			
11	\				\	\	\	\			\		\	\	\	2										\			
12	\				\	\	\	\			\		\	\	\											\			

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical
WWW.PACELABS.COM

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Page : 1 Of 1

Green

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	AECOM	Report To:	Andy Wreschnig	Attention:	
Address:	6000 Fairview Road	Copy To:		Company Name:	
Suite 200, Charlotte, NC 28210				Address:	
Email:	andrew.wreschnig@aecom.com	Purchase Order #:		Pace Quote:	60639876
Phone:	(704)716-0757 Fax	Project Name:	CPC Huntersville-60639876	Pace Project Manager:	bonnie.vang@pacelabs.com,
Requested Due Date:	3 DAY TAT	Project #:		Pace Profile #:	12518-3

Regulatory Agency

State / Location: NC

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	6200B	VPH	6010-Pb	n-butanol by 6200	Trip BLANK	Residual Chlorine (Y/N)	92564833
1	MW-28	W	G			9/30	0905	8				1	7						X	X	X				3 DAY TAT 001
2	MW-81	W	G			9/30	0940	8				1	7						X	X	X				002
3	MW-16	W	G			9/30	1040	8				1	7						X	X	X				003
4	MW-78	W	G			9/30	1050	8				1	7						X	X	X				004
5	MW-82	W	G			9/30	1100	8				1	7						X	X	X				005
6	MW-12	W	G			9/30	1145	8				1	7						X	X	X				006
7	MW-77	W	G			9/30	1225	8				1	7						X	X	X				007
8	MW-83	W	G			9/30	1305	8				1	7						X	X	X				008
9	MW-79	W	G			9/30	1440	8				1	7						X	X	X				009
10	MW-80	W	G			9/30	1505	8				1	7						X	X	X				010
11	TRIP BLANK					LAB	Provided																X		011
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
3 DAY TAT	[signature] / AECOM	9/30/21	1650	MD G Pace DW	9-30-21	1650	4.7	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Butler

SIGNATURE of SAMPLER: [signature] DATE Signed: 9/30/21

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

October 7, 2021

Bonnie Vang
Pace Analytical Services - NC
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078

Project Location: CPC Huntersville-60639876
Client Job Number:
Project Number: 92564333
Laboratory Work Order Number: 21J0103

Enclosed are results of analyses for samples as received by the laboratory on October 2, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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Pace Analytical Services - NC
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
ATTN: Bonnie Vang

REPORT DATE: 10/7/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 92564333

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21J0103

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: CPC Huntersville-60639876

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-28	21J0103-01	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-81	21J0103-02	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-16	21J0103-03	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-78	21J0103-04	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-82	21J0103-05	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-17	21J0103-06	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-77	21J0103-07	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-83	21J0103-08	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-79	21J0103-09	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-80	21J0103-10	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-81	21J0103-11	Water		SM21-23 6200B	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT - 10/7/2021 - Project number revised per the chain of custody.

For method MA VPH, only hydrocarbon ranges were requested and reported.

MADEP-VPH-Feb 2018 Rev 2.1

Qualifications:

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Pentane

B291746-BSD1

SM21-23 6200B

Qualifications:

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

Bromomethane

B291626-BS1, B291626-BSD1

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Chloromethane

21J0103-01[MW-28], 21J0103-02[MW-81], 21J0103-03[MW-16], 21J0103-04[MW-78], 21J0103-05[MW-82], 21J0103-06[MW-17], 21J0103-07[MW-77], 21J0103-08[MW-83], 21J0103-09[MW-79], 21J0103-10[MW-80], 21J0103-11[MW-81], B291626-BLK1, B291626-BS1, B291626-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

1,3-Dichloropropane

B291626-BSD1

Bromochloromethane

B291626-BSD1

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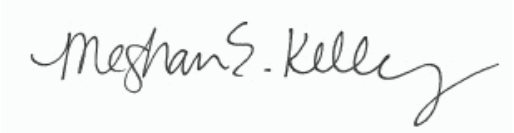
MADEP-VPH-Feb 2018 Rev 2.1

No significant modifications were made to the method. All VPH samples were received preserved properly at pH <2 in the proper containers as specified on the chain-of-custody form unless specified in this narrative.

Analytical column used for VPH analysis is Restek, Rtx-502.2, 105meter, 0.53mmID, 3um df. Trap used for VPH analysis is Carbopack B/CarboSieveS-III.

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley
Project Management Supervisor

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0103

Date Received: 10/2/2021

Field Sample #: MW-28 Sampled: 9/30/2021 09:05

Sample ID: 21J0103-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0103

Date Received: 10/2/2021

Field Sample #: MW-28 Sampled: 9/30/2021 09:05

Sample ID: 21J0103-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 17:54	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.1	70-130		10/4/21 17:54
Toluene-d8	98.6	70-130		10/4/21 17:54
4-Bromofluorobenzene	102	70-130		10/4/21 17:54

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0103

Date Received: 10/2/2021

Field Sample #: MW-28 Sampled: 9/30/2021 09:05

Sample ID: 21J0103-01

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 1:24	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 1:24	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 1:24	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 1:24	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 1:24	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
2,5-Dibromotoluene (FID)	81.0	70-130		10/6/21 1:24	
2,5-Dibromotoluene (PID)	79.1	70-130		10/6/21 1:24	

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0103

Date Received: 10/2/2021

Field Sample #: MW-81 Sampled: 9/30/2021 09:40

Sample ID: 21J0103-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0103

Date Received: 10/2/2021

Field Sample #: MW-81 Sampled: 9/30/2021 09:40

Sample ID: 21J0103-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:20	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.6	70-130		10/4/21 18:20
Toluene-d8	100	70-130		10/4/21 18:20
4-Bromofluorobenzene	100	70-130		10/4/21 18:20

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0103

Date Received: 10/2/2021

Field Sample #: MW-81 Sampled: 9/30/2021 09:40

Sample ID: 21J0103-02

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 2:02	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 2:02	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 2:02	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 2:02	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 2:02	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	87.3	70-130		10/6/21 2:02
2,5-Dibromotoluene (PID)	82.3	70-130		10/6/21 2:02

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0103

Date Received: 10/2/2021

Field Sample #: MW-16 Sampled: 9/30/2021 10:40

Sample ID: 21J0103-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0103

Date Received: 10/2/2021

Field Sample #: MW-16 Sampled: 9/30/2021 10:40

Sample ID: 21J0103-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 18:46	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.0	70-130		10/4/21 18:46
Toluene-d8	99.7	70-130		10/4/21 18:46
4-Bromofluorobenzene	101	70-130		10/4/21 18:46

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0103

Date Received: 10/2/2021

Field Sample #: MW-16 Sampled: 9/30/2021 10:40

Sample ID: 21J0103-03

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 2:40	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 2:40	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 2:40	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 2:40	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 2:40	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	85.1	70-130		10/6/21 2:40
2,5-Dibromotoluene (PID)	81.8	70-130		10/6/21 2:40

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0103

Date Received: 10/2/2021

Field Sample #: MW-78 Sampled: 9/30/2021 10:50

Sample ID: 21J0103-04

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0103

Date Received: 10/2/2021

Field Sample #: MW-78 Sampled: 9/30/2021 10:50

Sample ID: 21J0103-04

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:13	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.1	70-130		10/4/21 19:13
Toluene-d8	101	70-130		10/4/21 19:13
4-Bromofluorobenzene	100	70-130		10/4/21 19:13

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0103

Date Received: 10/2/2021

Field Sample #: MW-78 Sampled: 9/30/2021 10:50

Sample ID: 21J0103-04

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 3:18	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 3:18	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 3:18	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 3:18	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 3:18	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	85.9	70-130		10/6/21 3:18
2,5-Dibromotoluene (PID)	83.3	70-130		10/6/21 3:18

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0103

Date Received: 10/2/2021

Field Sample #: MW-82 Sampled: 9/30/2021 11:00

Sample ID: 21J0103-05

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0103

Date Received: 10/2/2021

Field Sample #: MW-82 Sampled: 9/30/2021 11:00

Sample ID: 21J0103-05

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 19:39	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.1	70-130		10/4/21 19:39
Toluene-d8	101	70-130		10/4/21 19:39
4-Bromofluorobenzene	100	70-130		10/4/21 19:39

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0103

Date Received: 10/2/2021

Field Sample #: MW-82 Sampled: 9/30/2021 11:00

Sample ID: 21J0103-05

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 3:55	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 3:55	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 3:55	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 3:55	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 3:55	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	91.2	70-130		10/6/21 3:55
2,5-Dibromotoluene (PID)	84.4	70-130		10/6/21 3:55

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0103

Date Received: 10/2/2021

Field Sample #: MW-17 Sampled: 9/30/2021 11:45

Sample ID: 21J0103-06

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
Chloroform	2.0	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0103

Date Received: 10/2/2021

Field Sample #: MW-17 Sampled: 9/30/2021 11:45

Sample ID: 21J0103-06

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
Tetrachloroethylene	0.33	0.50	0.20	µg/L	1	J	SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:05	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.6	70-130		10/4/21 20:05
Toluene-d8	97.9	70-130		10/4/21 20:05
4-Bromofluorobenzene	101	70-130		10/4/21 20:05

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0103

Date Received: 10/2/2021

Field Sample #: MW-17 Sampled: 9/30/2021 11:45

Sample ID: 21J0103-06

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 4:32	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 4:32	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 4:32	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 4:32	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 4:32	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	88.6	70-130		10/6/21 4:32
2,5-Dibromotoluene (PID)	85.0	70-130		10/6/21 4:32

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0103

Date Received: 10/2/2021

Field Sample #: MW-77 Sampled: 9/30/2021 12:25

Sample ID: 21J0103-07

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0103

Date Received: 10/2/2021

Field Sample #: MW-77 Sampled: 9/30/2021 12:25

Sample ID: 21J0103-07

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:31	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.7	70-130		10/4/21 20:31
Toluene-d8	99.4	70-130		10/4/21 20:31
4-Bromofluorobenzene	99.7	70-130		10/4/21 20:31

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0103

Date Received: 10/2/2021

Field Sample #: MW-77 Sampled: 9/30/2021 12:25

Sample ID: 21J0103-07

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 5:10	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 5:10	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 5:10	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 5:10	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 5:10	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	79.9	70-130		10/6/21 5:10
2,5-Dibromotoluene (PID)	80.5	70-130		10/6/21 5:10

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0103

Date Received: 10/2/2021

Field Sample #: MW-83 Sampled: 9/30/2021 13:05

Sample ID: 21J0103-08

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0103

Date Received: 10/2/2021

Field Sample #: MW-83 Sampled: 9/30/2021 13:05

Sample ID: 21J0103-08

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 20:58	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.3	70-130		10/4/21 20:58
Toluene-d8	102	70-130		10/4/21 20:58
4-Bromofluorobenzene	98.9	70-130		10/4/21 20:58

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0103

Date Received: 10/2/2021

Field Sample #: MW-83 Sampled: 9/30/2021 13:05

Sample ID: 21J0103-08

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 5:48	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 5:48	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 5:48	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 5:48	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 5:48	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	82.1	70-130		10/6/21 5:48
2,5-Dibromotoluene (PID)	79.0	70-130		10/6/21 5:48

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0103

Date Received: 10/2/2021

Field Sample #: MW-79 Sampled: 9/30/2021 14:40

Sample ID: 21J0103-09

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0103

Date Received: 10/2/2021

Field Sample #: MW-79 Sampled: 9/30/2021 14:40

Sample ID: 21J0103-09

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:24	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	95.8	70-130		10/4/21 21:24
Toluene-d8	98.7	70-130		10/4/21 21:24
4-Bromofluorobenzene	102	70-130		10/4/21 21:24

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0103

Date Received: 10/2/2021

Field Sample #: MW-79 Sampled: 9/30/2021 14:40

Sample ID: 21J0103-09

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 6:26	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 6:26	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 6:26	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 6:26	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 6:26	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	83.0	70-130		10/6/21 6:26
2,5-Dibromotoluene (PID)	82.6	70-130		10/6/21 6:26

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0103

Date Received: 10/2/2021

Field Sample #: MW-80 Sampled: 9/30/2021 15:05

Sample ID: 21J0103-10

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0103

Date Received: 10/2/2021

Field Sample #: MW-80 Sampled: 9/30/2021 15:05

Sample ID: 21J0103-10

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 21:50	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	94.2	70-130		10/4/21 21:50
Toluene-d8	99.7	70-130		10/4/21 21:50
4-Bromofluorobenzene	102	70-130		10/4/21 21:50

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0103

Date Received: 10/2/2021

Field Sample #: MW-80 Sampled: 9/30/2021 15:05

Sample ID: 21J0103-10

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 7:59	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 7:59	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 7:59	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 7:59	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/5/21	10/6/21 7:59	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	93.7	70-130		10/6/21 7:59
2,5-Dibromotoluene (PID)	86.5	70-130		10/6/21 7:59

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0103

Date Received: 10/2/2021

Field Sample #: MW-81 Sampled: 9/30/2021 00:00

Sample ID: 21J0103-11

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
Methylene Chloride	0.75	5.0	0.30	µg/L	1	J	SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0103

Date Received: 10/2/2021

Field Sample #: MW-81 Sampled: 9/30/2021 00:00

Sample ID: 21J0103-11

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/4/21 14:50	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.1	70-130		10/4/21 14:50
Toluene-d8	99.6	70-130		10/4/21 14:50
4-Bromofluorobenzene	99.4	70-130		10/4/21 14:50

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Sample Extraction Data

Prep Method: MA VPH **Analytical Method: MADEP-VPH-Feb 2018 Rev 2.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21J0103-01 [MW-28]	B291746	5	5.00	10/05/21
21J0103-02 [MW-81]	B291746	5	5.00	10/05/21
21J0103-03 [MW-16]	B291746	5	5.00	10/05/21
21J0103-04 [MW-78]	B291746	5	5.00	10/05/21
21J0103-05 [MW-82]	B291746	5	5.00	10/05/21
21J0103-06 [MW-17]	B291746	5	5.00	10/05/21
21J0103-07 [MW-77]	B291746	5	5.00	10/05/21
21J0103-08 [MW-83]	B291746	5	5.00	10/05/21
21J0103-09 [MW-79]	B291746	5	5.00	10/05/21
21J0103-10 [MW-80]	B291746	5	5.00	10/05/21

Prep Method: SW-846 5030B **Analytical Method: SM21-23 6200B**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21J0103-01 [MW-28]	B291626	5	5.00	10/04/21
21J0103-02 [MW-81]	B291626	5	5.00	10/04/21
21J0103-03 [MW-16]	B291626	5	5.00	10/04/21
21J0103-04 [MW-78]	B291626	5	5.00	10/04/21
21J0103-05 [MW-82]	B291626	5	5.00	10/04/21
21J0103-06 [MW-17]	B291626	5	5.00	10/04/21
21J0103-07 [MW-77]	B291626	5	5.00	10/04/21
21J0103-08 [MW-83]	B291626	5	5.00	10/04/21
21J0103-09 [MW-79]	B291626	5	5.00	10/04/21
21J0103-10 [MW-80]	B291626	5	5.00	10/04/21
21J0103-11 [MW-81]	B291626	5	5.00	10/04/21

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291626 - SW-846 5030B										
Blank (B291626-BLK1)				Prepared & Analyzed: 10/04/21						
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromochloromethane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	2.0	µg/L							
n-Butylbenzene	ND	0.50	µg/L							
sec-Butylbenzene	ND	0.50	µg/L							
tert-Butylbenzene	ND	0.50	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							L-04
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
Naphthalene	ND	0.50	µg/L							
n-Propylbenzene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
1,2,3-Trichlorobenzene	ND	1.0	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291626 - SW-846 5030B												
Blank (B291626-BLK1)				Prepared & Analyzed: 10/04/21								
Trichloroethylene	ND	0.50	µg/L									
Trichlorofluoromethane (Freon 11)	ND	0.50	µg/L									
1,2,3-Trichloropropane	ND	0.50	µg/L									
1,2,4-Trimethylbenzene	ND	0.50	µg/L									
1,3,5-Trimethylbenzene	ND	0.50	µg/L									
Vinyl Chloride	ND	0.50	µg/L									
m+p Xylene	ND	1.0	µg/L									
o-Xylene	ND	0.50	µg/L									
Surrogate: 1,2-Dichloroethane-d4	*23.8*		µg/L	25.0		95.0		70-130				
Surrogate: Toluene-d8	*24.9*		µg/L	25.0		99.8		70-130				
Surrogate: 4-Bromofluorobenzene	*25.4*		µg/L	25.0		101		70-130				
LCS (B291626-BS1)				Prepared & Analyzed: 10/04/21								
Benzene	11.6	0.50	µg/L	10.0		116		70-130				
Bromobenzene	10.7	0.50	µg/L	10.0		107		70-130				
Bromochloromethane	12.9	0.50	µg/L	10.0		129		70-130				
Bromodichloromethane	11.8	0.50	µg/L	10.0		118		70-130				
Bromoform	11.1	0.50	µg/L	10.0		111		70-130				
Bromomethane	18.6	2.0	µg/L	10.0		**186**	*	60-140			L-02	†
n-Butylbenzene	9.00	0.50	µg/L	10.0		90.0		70-130				
sec-Butylbenzene	8.93	0.50	µg/L	10.0		89.3		70-130				
tert-Butylbenzene	9.76	0.50	µg/L	10.0		97.6		70-130				
Carbon Tetrachloride	12.5	0.50	µg/L	10.0		125		70-130				
Chlorobenzene	10.2	0.50	µg/L	10.0		102		70-130				
Chlorodibromomethane	12.4	0.50	µg/L	10.0		124		70-130				
Chloroethane	9.81	0.50	µg/L	10.0		98.1		60-140				
Chloroform	11.7	0.50	µg/L	10.0		117		70-130				
Chloromethane	3.52	0.60	µg/L	10.0		**35.2**	*	60-140			L-04	†
2-Chlorotoluene	10.4	0.50	µg/L	10.0		104		70-130				
4-Chlorotoluene	10.4	0.50	µg/L	10.0		104		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	10.0	5.0	µg/L	10.0		100		70-130				
1,2-Dibromoethane (EDB)	12.1	0.50	µg/L	10.0		121		70-130				
Dibromomethane	13.0	1.0	µg/L	10.0		130		70-130				
1,2-Dichlorobenzene	9.26	0.50	µg/L	10.0		92.6		70-130				
1,3-Dichlorobenzene	9.18	0.50	µg/L	10.0		91.8		70-130				
1,4-Dichlorobenzene	8.95	0.50	µg/L	10.0		89.5		70-130				
Dichlorodifluoromethane (Freon 12)	11.5	0.50	µg/L	10.0		115		60-140				†
1,1-Dichloroethane	11.5	0.50	µg/L	10.0		115		70-130				
1,2-Dichloroethane	12.3	0.50	µg/L	10.0		123		70-130				
1,1-Dichloroethylene	11.4	0.50	µg/L	10.0		114		70-130				
cis-1,2-Dichloroethylene	11.5	0.50	µg/L	10.0		115		70-130				
trans-1,2-Dichloroethylene	11.9	0.50	µg/L	10.0		119		70-130				
1,2-Dichloropropane	11.7	0.50	µg/L	10.0		117		70-130				
1,3-Dichloropropane	12.9	0.50	µg/L	10.0		129		70-130				
2,2-Dichloropropane	13.0	0.50	µg/L	10.0		130		70-130				†
1,1-Dichloropropene	12.5	0.50	µg/L	10.0		125		70-130				
cis-1,3-Dichloropropene	12.6	0.50	µg/L	10.0		126		70-130				
trans-1,3-Dichloropropene	12.5	0.50	µg/L	10.0		125		70-130				
Diisopropyl Ether (DIPE)	8.44	0.50	µg/L	10.0		84.4		70-130				
Ethylbenzene	10.4	0.50	µg/L	10.0		104		70-130				
Hexachlorobutadiene	9.62	0.60	µg/L	10.0		96.2		70-130				
Isopropylbenzene (Cumene)	10.1	0.50	µg/L	10.0		101		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291626 - SW-846 5030B												
LCS (B291626-BS1)				Prepared & Analyzed: 10/04/21								
Methyl tert-Butyl Ether (MTBE)	11.9	0.50	µg/L	10.0		119		70-130				
Methylene Chloride	8.60	5.0	µg/L	10.0		86.0		70-130				
Naphthalene	7.55	0.50	µg/L	10.0		75.5		70-130				†
n-Propylbenzene	10.0	0.50	µg/L	10.0		100		70-130				
Styrene	10.2	0.50	µg/L	10.0		102		70-130				
1,1,1,2-Tetrachloroethane	10.8	0.50	µg/L	10.0		108		70-130				
1,1,2,2-Tetrachloroethane	10.8	0.50	µg/L	10.0		108		70-130				
Tetrachloroethylene	12.3	0.50	µg/L	10.0		123		70-130				
Toluene	11.5	0.50	µg/L	10.0		115		70-130				
1,2,3-Trichlorobenzene	8.28	1.0	µg/L	10.0		82.8		70-130				
1,2,4-Trichlorobenzene	8.88	0.50	µg/L	10.0		88.8		70-130				
1,1,1-Trichloroethane	12.6	0.50	µg/L	10.0		126		70-130				
1,1,2-Trichloroethane	12.7	0.50	µg/L	10.0		127		70-130				
Trichloroethylene	13.0	0.50	µg/L	10.0		130		70-130				
Trichlorofluoromethane (Freon 11)	11.3	0.50	µg/L	10.0		113		70-130				
1,2,3-Trichloropropane	11.5	0.50	µg/L	10.0		115		70-130				
1,2,4-Trimethylbenzene	9.72	0.50	µg/L	10.0		97.2		70-130				
1,3,5-Trimethylbenzene	10.3	0.50	µg/L	10.0		103		70-130				
Vinyl Chloride	9.85	0.50	µg/L	10.0		98.5		60-140				†
m+p Xylene	21.5	1.0	µg/L	20.0		108		70-130				
o-Xylene	10.5	0.50	µg/L	10.0		105		70-130				
Surrogate: 1,2-Dichloroethane-d4	*22.9*		µg/L	25.0		91.7		70-130				
Surrogate: Toluene-d8	*25.0*		µg/L	25.0		100		70-130				
Surrogate: 4-Bromofluorobenzene	*25.5*		µg/L	25.0		102		70-130				
LCS Dup (B291626-BSD1)				Prepared & Analyzed: 10/04/21								
Benzene	11.5	0.50	µg/L	10.0		115		70-130	0.869	25		
Bromobenzene	10.8	0.50	µg/L	10.0		108		70-130	0.466	25		
Bromochloromethane	13.4	0.50	µg/L	10.0		**134**	*	70-130	4.03	25	L-07	
Bromodichloromethane	11.8	0.50	µg/L	10.0		118		70-130	0.00	25		
Bromoform	11.3	0.50	µg/L	10.0		113		70-130	1.07	25		
Bromomethane	19.0	2.0	µg/L	10.0		**190**	*	60-140	2.45	25	L-02	†
n-Butylbenzene	9.11	0.50	µg/L	10.0		91.1		70-130	1.21	25		
sec-Butylbenzene	8.99	0.50	µg/L	10.0		89.9		70-130	0.670	25		
tert-Butylbenzene	9.98	0.50	µg/L	10.0		99.8		70-130	2.23	25		
Carbon Tetrachloride	12.5	0.50	µg/L	10.0		125		70-130	0.160	25		
Chlorobenzene	10.1	0.50	µg/L	10.0		101		70-130	0.791	25		
Chlorodibromomethane	12.2	0.50	µg/L	10.0		122		70-130	1.14	25		
Chloroethane	9.82	0.50	µg/L	10.0		98.2		60-140	0.102	25		
Chloroform	12.1	0.50	µg/L	10.0		121		70-130	3.52	25		
Chloromethane	3.61	0.60	µg/L	10.0		**36.1**	*	60-140	2.52	25	L-04	†
2-Chlorotoluene	10.5	0.50	µg/L	10.0		105		70-130	1.25	25		
4-Chlorotoluene	10.4	0.50	µg/L	10.0		104		70-130	0.192	25		
1,2-Dibromo-3-chloropropane (DBCP)	11.4	5.0	µg/L	10.0		114		70-130	12.7	25		
1,2-Dibromoethane (EDB)	12.3	0.50	µg/L	10.0		123		70-130	1.23	25		
Dibromomethane	13.0	1.0	µg/L	10.0		130		70-130	0.384	25		
1,2-Dichlorobenzene	9.38	0.50	µg/L	10.0		93.8		70-130	1.29	25		
1,3-Dichlorobenzene	9.33	0.50	µg/L	10.0		93.3		70-130	1.62	25		
1,4-Dichlorobenzene	9.04	0.50	µg/L	10.0		90.4		70-130	1.00	25		
Dichlorodifluoromethane (Freon 12)	11.4	0.50	µg/L	10.0		114		60-140	0.175	25		†
1,1-Dichloroethane	11.7	0.50	µg/L	10.0		117		70-130	1.72	25		
1,2-Dichloroethane	12.6	0.50	µg/L	10.0		126		70-130	2.65	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291626 - SW-846 5030B												
LCS Dup (B291626-BSD1)				Prepared & Analyzed: 10/04/21								
1,1-Dichloroethylene	11.1	0.50	µg/L	10.0		111		70-130	3.29	25		
cis-1,2-Dichloroethylene	11.6	0.50	µg/L	10.0		116		70-130	0.866	25		
trans-1,2-Dichloroethylene	11.8	0.50	µg/L	10.0		118		70-130	1.27	25		
1,2-Dichloropropane	12.3	0.50	µg/L	10.0		123		70-130	4.84	25		
1,3-Dichloropropane	13.1	0.50	µg/L	10.0		**131**	*	70-130	2.08	25	L-07	
2,2-Dichloropropane	12.6	0.50	µg/L	10.0		126		70-130	3.19	25		†
1,1-Dichloropropene	12.5	0.50	µg/L	10.0		125		70-130	0.560	25		
cis-1,3-Dichloropropene	12.5	0.50	µg/L	10.0		125		70-130	0.716	25		
trans-1,3-Dichloropropene	12.9	0.50	µg/L	10.0		129		70-130	3.22	25		
Diisopropyl Ether (DIPE)	8.54	0.50	µg/L	10.0		85.4		70-130	1.18	25		
Ethylbenzene	10.6	0.50	µg/L	10.0		106		70-130	1.24	25		
Hexachlorobutadiene	9.76	0.60	µg/L	10.0		97.6		70-130	1.44	25		
Isopropylbenzene (Cumene)	10.2	0.50	µg/L	10.0		102		70-130	0.790	25		
Methyl tert-Butyl Ether (MTBE)	11.9	0.50	µg/L	10.0		119		70-130	0.337	25		
Methylene Chloride	8.85	5.0	µg/L	10.0		88.5		70-130	2.87	25		
Naphthalene	7.89	0.50	µg/L	10.0		78.9		70-130	4.40	25		†
n-Propylbenzene	10.1	0.50	µg/L	10.0		101		70-130	0.298	25		
Styrene	10.1	0.50	µg/L	10.0		101		70-130	0.790	25		
1,1,1,2-Tetrachloroethane	11.4	0.50	µg/L	10.0		114		70-130	5.49	25		
1,1,2,2-Tetrachloroethane	10.8	0.50	µg/L	10.0		108		70-130	0.278	25		
Tetrachloroethylene	11.8	0.50	µg/L	10.0		118		70-130	3.91	25		
Toluene	11.6	0.50	µg/L	10.0		116		70-130	0.346	25		
1,2,3-Trichlorobenzene	8.63	1.0	µg/L	10.0		86.3		70-130	4.14	25		
1,2,4-Trichlorobenzene	9.56	0.50	µg/L	10.0		95.6		70-130	7.38	25		
1,1,1-Trichloroethane	12.4	0.50	µg/L	10.0		124		70-130	1.28	25		
1,1,2-Trichloroethane	12.2	0.50	µg/L	10.0		122		70-130	3.93	25		
Trichloroethylene	13.0	0.50	µg/L	10.0		130		70-130	0.153	25		
Trichlorofluoromethane (Freon 11)	11.8	0.50	µg/L	10.0		118		70-130	4.40	25		
1,2,3-Trichloropropane	11.5	0.50	µg/L	10.0		115		70-130	0.00	25		
1,2,4-Trimethylbenzene	9.83	0.50	µg/L	10.0		98.3		70-130	1.13	25		
1,3,5-Trimethylbenzene	10.4	0.50	µg/L	10.0		104		70-130	0.387	25		
Vinyl Chloride	9.62	0.50	µg/L	10.0		96.2		60-140	2.36	25		†
m+p Xylene	21.0	1.0	µg/L	20.0		105		70-130	2.26	25		
o-Xylene	10.5	0.50	µg/L	10.0		105		70-130	0.667	25		
Surrogate: 1,2-Dichloroethane-d4	*23.2*		µg/L	25.0		93.0		70-130				
Surrogate: Toluene-d8	*24.9*		µg/L	25.0		99.6		70-130				
Surrogate: 4-Bromofluorobenzene	*25.8*		µg/L	25.0		103		70-130				

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B291746 - MA VPH											
Blank (B291746-BLK1)				Prepared & Analyzed: 10/05/21							
Unadjusted C5-C8 Aliphatics	ND	100	µg/L								
C5-C8 Aliphatics	ND	100	µg/L								
Unadjusted C9-C12 Aliphatics	ND	100	µg/L								
C9-C12 Aliphatics	ND	100	µg/L								
C9-C10 Aromatics	ND	100	µg/L								
Benzene	ND	1.0	µg/L								
Butylcyclohexane	ND	1.0	µg/L								
Decane	ND	1.0	µg/L								
Ethylbenzene	ND	1.0	µg/L								
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L								
2-Methylpentane	ND	1.0	µg/L								
Naphthalene	ND	5.0	µg/L								
Nonane	ND	1.0	µg/L								
Pentane	ND	1.0	µg/L								
Toluene	ND	1.0	µg/L								
1,2,4-Trimethylbenzene	ND	1.0	µg/L								
2,2,4-Trimethylpentane	ND	1.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 2,5-Dibromotoluene (FID)	*32.3*		µg/L	40.0		80.8		70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*31.5*		µg/L	40.0		78.8		70-130			
LCS (B291746-BS1)				Prepared & Analyzed: 10/05/21							
Benzene	44.6	1.0	µg/L	50.0		89.3		70-130			
Butylcyclohexane	63.9	1.0	µg/L	50.0		128		70-130			
Decane	52.2	1.0	µg/L	50.0		104		70-130			
Ethylbenzene	45.5	1.0	µg/L	50.0		90.9		70-130			
Methyl tert-Butyl Ether (MTBE)	44.2	1.0	µg/L	50.0		88.3		70-130			
2-Methylpentane	39.8	1.0	µg/L	50.0		79.7		70-130			
Naphthalene	44.6	5.0	µg/L	50.0		89.3		70-130			
Nonane	63.1	1.0	µg/L	50.0		126		70-130			
Pentane	37.9	1.0	µg/L	50.0		75.8		70-130			
Toluene	45.6	1.0	µg/L	50.0		91.2		70-130			
1,2,4-Trimethylbenzene	43.4	1.0	µg/L	50.0		86.9		70-130			
2,2,4-Trimethylpentane	37.9	1.0	µg/L	50.0		75.8		70-130			
m+p Xylene	92.7	2.0	µg/L	100		92.7		70-130			
o-Xylene	47.5	1.0	µg/L	50.0		94.9		70-130			
Surrogate: 2,5-Dibromotoluene (FID)	*35.7*		µg/L	40.0		89.3		70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*33.9*		µg/L	40.0		84.6		70-130			
LCS Dup (B291746-BSD1)				Prepared & Analyzed: 10/05/21							
Benzene	42.7	1.0	µg/L	50.0		85.4		70-130	4.41	25	
Butylcyclohexane	62.3	1.0	µg/L	50.0		125		70-130	2.49	25	
Decane	50.6	1.0	µg/L	50.0		101		70-130	3.07	25	
Ethylbenzene	43.8	1.0	µg/L	50.0		87.6		70-130	3.70	25	
Methyl tert-Butyl Ether (MTBE)	43.0	1.0	µg/L	50.0		86.0		70-130	2.74	25	
2-Methylpentane	37.4	1.0	µg/L	50.0		74.8		70-130	6.37	25	
Naphthalene	43.8	5.0	µg/L	50.0		87.6		70-130	1.87	25	
Nonane	61.7	1.0	µg/L	50.0		123		70-130	2.18	25	
Pentane	34.8	1.0	µg/L	50.0		**69.6**	*	70-130	8.55	25	L-07
Toluene	44.2	1.0	µg/L	50.0		88.4		70-130	3.14	25	
1,2,4-Trimethylbenzene	41.8	1.0	µg/L	50.0		83.7		70-130	3.75	25	

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291746 - MA VPH										
LCS Dup (B291746-BSD1)				Prepared & Analyzed: 10/05/21						
2,2,4-Trimethylpentane	38.3	1.0	µg/L	50.0		76.6	70-130	1.02	25	
m+p Xylene	89.1	2.0	µg/L	100		89.1	70-130	3.99	25	
o-Xylene	45.9	1.0	µg/L	50.0		91.8	70-130	3.38	25	
Surrogate: 2,5-Dibromotoluene (FID)	*34.3*		µg/L	40.0		85.8	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*33.0*		µg/L	40.0		82.6	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
MADEP-VPH-Feb 2018 Rev 2.1 in Water	
Unadjusted C5-C8 Aliphatics	CT,NC,ME,NH-P
C5-C8 Aliphatics	CT,NC,ME,NH-P
Unadjusted C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C10 Aromatics	CT,NC,ME,NH-P
Benzene	CT,NC,ME,NH-P
Ethylbenzene	CT,NC,ME,NH-P
Methyl tert-Butyl Ether (MTBE)	CT,NC,ME,NH-P
Naphthalene	CT,NC,ME,NH-P
Toluene	CT,NC,ME,NH-P
m+p Xylene	CT,NC,ME,NH-P
o-Xylene	CT,NC,ME,NH-P
SM21-23 6200B in Water	
Benzene	NC
Bromobenzene	NC
Bromochloromethane	NC
Bromodichloromethane	NC
Bromoform	NC
Bromomethane	NC
n-Butylbenzene	NC
sec-Butylbenzene	NC
tert-Butylbenzene	NC
Carbon Tetrachloride	NC
Chlorobenzene	NC
Chlorodibromomethane	NC
Chloroethane	NC
Chloroform	NC
Chloromethane	NC
2-Chlorotoluene	NC
4-Chlorotoluene	NC
1,2-Dibromoethane (EDB)	NC
1,2-Dichlorobenzene	NC
1,3-Dichlorobenzene	NC
1,4-Dichlorobenzene	NC
Dichlorodifluoromethane (Freon 12)	NC
1,1-Dichloroethane	NC
1,2-Dichloroethane	NC
1,1-Dichloroethylene	NC
cis-1,2-Dichloroethylene	NC
trans-1,2-Dichloroethylene	NC
1,2-Dichloropropane	NC
1,3-Dichloropropane	NC
2,2-Dichloropropane	NC
1,1-Dichloropropene	NC
cis-1,3-Dichloropropene	NC
trans-1,3-Dichloropropene	NC

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SM21-23 6200B in Water	
Diisopropyl Ether (DIPE)	NC
Ethylbenzene	NC
Isopropylbenzene (Cumene)	NC
Methyl tert-Butyl Ether (MTBE)	NC
Methylene Chloride	NC
Naphthalene	NC
n-Propylbenzene	NC
Styrene	NC
1,1,2,2-Tetrachloroethane	NC
Tetrachloroethylene	NC
Toluene	NC
1,2,3-Trichlorobenzene	NC
1,2,4-Trichlorobenzene	NC
1,1,1-Trichloroethane	NC
1,1,2-Trichloroethane	NC
Trichloroethylene	NC
Trichlorofluoromethane (Freon 11)	NC
1,2,3-Trichloropropane	NC
1,2,4-Trimethylbenzene	NC
1,3,5-Trimethylbenzene	NC
Vinyl Chloride	NC
m+p Xylene	NC
o-Xylene	NC

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

Internal Transfer Chain of Custody

210183

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☐ Samples Pre-Logged into eCOC.

State Of Origin: NC
Cert. Needed: [x] Yes ☐ No

Workorder: 92564333 **Workorder Name:** CPC Huntersville-60639876

Owner Received Date: 9/30/2021 **Results Requested By:** 10/5/2021

Report To	Subcontract To
Bonnie Vang Pace Analytical Charlotte 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 Phone (704)875-9092	Pace New England 39 Spruce St. East Longmeadow, MA 01028 Phone (413)525-2332

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers HCL						Requested Analysis 6200	VPH										LAB USE ONLY
1	MW-28	PS	9/30/2021 09:05	92564333001	Water	7						X	X										
2	MW-81	PS	9/30/2021 09:40	92564333002	Water	7						X	X										
3	MW-16	PS	9/30/2021 10:40	92564333003	Water	7						X	X										
4	MW-78	PS	9/30/2021 10:50	92564333004	Water	7						X	X										
5	MW-82	PS	9/30/2021 11:00	92564333005	Water	7						X	X										
6	MW-17	PS	9/30/2021 11:45	92564333006	Water	7						X	X										
7	MW-77	PS	9/30/2021 12:25	92564333007	Water	7						X	X										
8	MW-83	PS	9/30/2021 13:05	92564333008	Water	7						X	X										
9	MW-79	PS	9/30/2021 14:40	92564333009	Water	7						X	X										
10	MW-80	PS	9/30/2021 15:05	92564333010	Water	7						X	X										
11	MW-81	PS	9/30/2021 00:00	92564333011	Water	2						X											

Transfers	Released By	Date/Time	Received By	Date/Time
1	MD4 Fan #CK	10/1/21 1200	[illegible]	10/01/21 1005
2				
3				

Comments

Cooler Temperature on Receipt 2.2 °C | **Custody Seal** Y or (N) | **Received on Ice** (Y) or N | **Samples Intact** (Y) or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.*
This chain of custody is considered complete as is since this information is available in the owner laboratory.

FedEx

TRACK ANOTHER SHIPMENT

987548461019

ADD NICKNAME

Delivered
Saturday, October 2, 2021 at 10:05 am

DELIVERED

Signed for by: S.FAUST

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM	TO
Huntersville, NC US	EAST LONGMEADOW, MA US

Travel History

TIME ZONE
Local Scan Time

Saturday, October 2, 2021

10:05 AM	EAST LONGMEADOW, MA	Delivered
9:13 AM	WINDSOR LOCKS, CT	On FedEx vehicle for delivery
9:04 AM	WINDSOR LOCKS, CT	At local FedEx facility
7:35 AM	EAST GRANBY, CT	At destination sort facility
4:17 AM	MEMPHIS, TN	Departed FedEx hub

Friday, October 1, 2021

11:05 PM	MEMPHIS, TN	Arrived at FedEx hub
8:22 PM	CONCORD, NC	Left FedEx origin facility
4:51 PM		Shipment information sent to FedEx
5:10 PM	CONCORD, NC	Picked up

Shipment Facts

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Pace-NC

Received By RLF Date 10/8/21 Time 1005

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____ Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 3 Actual Temp - 2.2°C By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Project T Analysis T ID's T Sampler Name T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F

Are there Rushes? T Who was notified? NA

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? ~~F~~ T On COC? ~~F~~ T

Do all samples have the proper pH? Acid NA Base NA

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-	12	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

last sample is a trip blank

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 08, 2021

Andrew Wreschnig
AECOM
6000 Fairview Road
Suite 200
Charlotte, NC 28210

RE: Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564336

Dear Andrew Wreschnig:

Enclosed are the analytical results for sample(s) received by the laboratory on September 30, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Teresa Amentt Jennings, AECOM
Jeff Morrison, Colonial Pipeline Company

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CERTIFICATIONS

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564336

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564336

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92564336001	**MW-69**	Water	09/29/21 16:55	09/30/21 16:50
92564336002	**MW-61D**	Water	09/29/21 10:25	09/30/21 16:50
92564336003	**MW-41**	Water	09/29/21 12:35	09/30/21 16:50
92564336004	**MW-43**	Water	09/29/21 15:30	09/30/21 16:50
92564336005	**FB-1-20210930**	Water	09/30/21 07:35	09/30/21 16:50
92564336006	**EB-1-20210931**	Water	09/30/21 16:00	09/30/21 16:50
92564336007	**TRIP BLANK**	Water	09/30/21 00:00	09/30/21 16:50

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SAMPLE ANALYTE COUNT

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564336

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92564336001	**MW-69**	EPA 6010D	DS	1	PASI-A
92564336002	**MW-61D**	EPA 6010D	DS	1	PASI-A
92564336003	**MW-41**	EPA 6010D	DS	1	PASI-A
92564336004	**MW-43**	EPA 6010D	DS	1	PASI-A
92564336006	**EB-1-20210931**	EPA 6010D	DS	1	PASI-A

PASI-A = Pace Analytical Services - Asheville

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564336

Sample: MW-69 **Lab ID: 92564336001** Collected: 09/29/21 16:55 Received: 09/30/21 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/01/21 12:16	10/02/21 01:40	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564336

Sample: MW-61D **Lab ID: 92564336002** Collected: 09/29/21 10:25 Received: 09/30/21 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/01/21 12:16	10/02/21 01:44	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564336

Sample: MW-41 **Lab ID: 92564336003** Collected: 09/29/21 12:35 Received: 09/30/21 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/01/21 12:16	10/02/21 01:47	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564336

Sample: MW-43 **Lab ID: 92564336004** Collected: 09/29/21 15:30 Received: 09/30/21 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/01/21 12:16	10/02/21 01:50	7439-92-1	

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Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564336

Sample: EB-1-20210931 **Lab ID: 92564336006** Collected: 09/30/21 16:00 Received: 09/30/21 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/01/21 12:16	10/02/21 01:54	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564336

QC Batch: 650378 | Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A | Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92564336001, 92564336002, 92564336003, 92564336004, 92564336006

METHOD BLANK: 3411150 Matrix: Water
Associated Lab Samples: 92564336001, 92564336002, 92564336003, 92564336004, 92564336006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	4.5	10/02/21 00:23	

LABORATORY CONTROL SAMPLE: 3411151

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	512	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3411152 3411153

Parameter	Units	92564327001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	5.2	500	500	499	513	99	101	75-125	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564336

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564336

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92564336001	**MW-69**	EPA 3010A	650378	EPA 6010D	650419
92564336002	**MW-61D**	EPA 3010A	650378	EPA 6010D	650419
92564336003	**MW-41**	EPA 3010A	650378	EPA 6010D	650419
92564336004	**MW-43**	EPA 3010A	650378	EPA 6010D	650419
92564336006	**EB-1-20210931**	EPA 3010A	650378	EPA 6010D	650419

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Pace Analytical®	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: October 28, 2020 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.07	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☒ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: AECOM

Project **WO# : 92564336**

92564336

Courier: ☐ Commercial ☐ Fed Ex ☐ Pace ☐ UPS ☐ USPS ☐ Other:____ ☒ Client

Custody Seal Present? ☐ Yes ☒ No Seals Intact? ☐ Yes ☒ No

Date/Initials Person Examining Contents: 10-1-21 JC

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Thermometer: ☒ IR Gun ID: 92T064 Type of Ice: ☒ Wet ☐ Blue ☐ None

Biological Tissue Frozen? ☐ Yes ☐ No ☒ N/A

Cooler Temp: 2.2 Correction Factor: Add/Subtract (°C) 0.0

Cooler Temp Corrected (°C): 2.2

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

USDA Regulated Soil (☒ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (Internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☒ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☒ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☒ No	☐ N/A	3.
Rush Turn Around Time Requested?	☒ Yes	☐ No	☐ N/A	4.
Sufficient Volume?	☒ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☒ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☒ Yes	☐ No	☐ N/A	
Containers Intact?	☐ Yes	☒ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☒ N/A	8.
Sample Labels Match COC?	☒ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WT				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☒ No	☐ N/A	10.
Trip Blank Present?	☒ Yes	☐ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☒ Yes	☐ No	☐ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

2 out of 7 DG9H's for sample "MW-69" arrived broken.

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

***Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.**

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

****Bottom half of box is to list number of bottles**

Projec

WO#: 92564336

PM: BV Due Date: 10/05/21

CLIENT: 92-AECOM CHA

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG91-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1						1										5													
2						1										7													
3						1										7													
4						1										7													
5						1										7													
6																2													
7						1										7													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Pace Analytical WWW.PACELABS.COM

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Yellow

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	AECOM	Report To:	Andy Wreschnig	Attention:	
Address:	6000 Fairview Road	Copy To:		Company Name:	
	Suite 200, Charlotte, NC 28210			Address:	
Email:	andrew.wreschnig@aecom.com	Purchase Order #:		Pace Quote:	60639876
Phone:	(704)716-0757 Fax:	Project Name:	CPC Huntersville-60639876	Pace Project Manager:	bonnie.vang@pacelabs.com,
Requested Due Date:	3 DAY TAT	Project #:		Pace Profile #:	12518-3

Regulatory Agency

State / Location: NC

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	8200B	VPH	6010-Pb	n-butanol by 6200	Trip BLANK	Residual Chlorine (Y/N)	97564336
1	MW-69	WT	G			9/29	1655	8				1	7						X	X	X				3DAY TAT 001
2	MW-61D	WT	G			9/30	1025	8				1	7						X	X	X				002
3	MW-41	WT	G			9/30	1235	8				1	7						X	X	X				003
4	MW-43	WT	G			9/30	1530	8				1	7						X	X	X				004
5	FB-1-20210930	WT	G			9/30	0735	7					7						X	X	~~X~~ B				005
6	TRIP BLANK	WT	G			LAB Provided																X			007
7	EB-1-20210930	WT	G			9/30	1600	8				1	7						X	X	X				006
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
3-DAY TAT	AECOM	9/30/21	1650	MDG Rec HW	9-30-21	1650	2.2	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Butler

SIGNATURE of SAMPLER: [signature] DATE Signed: 9/30/21

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

October 8, 2021

Bonnie Vang
Pace Analytical Services - NC
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078

Project Location: CPC Huntersville-60639876
Client Job Number:
Project Number: 92564336
Laboratory Work Order Number: 21J0104

Enclosed are results of analyses for samples as received by the laboratory on October 2, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Pace Analytical Services - NC
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
ATTN: Bonnie Vang

REPORT DATE: 10/8/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 92564336

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21J0104

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: CPC Huntersville-60639876

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-69	21J0104-01	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-61D	21J0104-02	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-41	21J0104-03	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-43	21J0104-04	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
FB-1-20210930	21J0104-05	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
EB-1-20210931	21J0104-06	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
Trip Blank	21J0104-07	Water		SM21-23 6200B	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method MA VPH, only hydrocarbon ranges were requested and reported

MADEP-VPH-Feb 2018 Rev 2.1

Qualifications:

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Butylcyclohexane

B291839-BS1

SM21-23 6200B

Qualifications:

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

Bromomethane

B291665-BS1, B291665-BSD1

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Chloromethane

21J0104-01[MW-69], 21J0104-02[MW-61D], 21J0104-03[MW-41], 21J0104-04[MW-43], 21J0104-05[FB-1-20210930], 21J0104-06[EB-1-20210931], 21J0104-07[Trip Blank], B291665-BLK1, B291665-BS1, B291665-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Trichloroethylene

B291665-BSD1

MADEP-VPH-Feb 2018 Rev 2.1

No significant modifications were made to the method. All VPH samples were received preserved properly at pH <2 in the proper containers as specified on the chain-of-custody form unless specified in this narrative.

Analytical column used for VPH analysis is Restek, Rtx-502.2, 105meter, 0.53mmID, 3um df. Trap used for VPH analysis is Carbopack B/CarboSieveS-III.

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0104

Date Received: 10/2/2021

Field Sample #: MW-69 Sampled: 9/29/2021 16:55

Sample ID: 21J0104-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
Bromodichloromethane	2.2	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
Chlorodibromomethane	0.40	0.50	0.16	µg/L	1	J	SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
Chloroform	14	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0104

Date Received: 10/2/2021

Field Sample #: MW-69 Sampled: 9/29/2021 16:55

Sample ID: 21J0104-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:50	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	94.0	70-130		10/5/21 4:50
Toluene-d8	98.5	70-130		10/5/21 4:50
4-Bromofluorobenzene	98.7	70-130		10/5/21 4:50

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0104

Date Received: 10/2/2021

Field Sample #: MW-69 Sampled: 9/29/2021 16:55

Sample ID: 21J0104-01

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/6/21	10/7/21 4:05	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/6/21	10/7/21 4:05	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/6/21	10/7/21 4:05	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/6/21	10/7/21 4:05	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/6/21	10/7/21 4:05	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	77.7	70-130		10/7/21 4:05
2,5-Dibromotoluene (PID)	84.2	70-130		10/7/21 4:05

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0104

Date Received: 10/2/2021

Field Sample #: MW-61D Sampled: 9/29/2021 10:25

Sample ID: 21J0104-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
Bromodichloromethane	2.0	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
Chlorodibromomethane	0.38	0.50	0.16	µg/L	1	J	SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
Chloroform	9.0	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0104

Date Received: 10/2/2021

Field Sample #: MW-61D Sampled: 9/29/2021 10:25

Sample ID: 21J0104-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:31	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.7	70-130		10/5/21 3:31
Toluene-d8	99.2	70-130		10/5/21 3:31
4-Bromofluorobenzene	102	70-130		10/5/21 3:31

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0104

Date Received: 10/2/2021

Field Sample #: MW-61D Sampled: 9/29/2021 10:25

Sample ID: 21J0104-02

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/6/21	10/7/21 4:34	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/6/21	10/7/21 4:34	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/6/21	10/7/21 4:34	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/6/21	10/7/21 4:34	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/6/21	10/7/21 4:34	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	85.6	70-130		10/7/21 4:34
2,5-Dibromotoluene (PID)	102	70-130		10/7/21 4:34

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0104

Date Received: 10/2/2021

Field Sample #: MW-41 Sampled: 9/29/2021 12:35

Sample ID: 21J0104-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	6.2	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
Diisopropyl Ether (DIPE)	1.0	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
Ethylbenzene	0.73	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0104

Date Received: 10/2/2021

Field Sample #: MW-41 Sampled: 9/29/2021 12:35

Sample ID: 21J0104-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
Toluene	9.5	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
m+p Xylene	1.9	1.0	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD
o-Xylene	1.5	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:57	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	93.3	70-130		10/5/21 3:57
Toluene-d8	98.4	70-130		10/5/21 3:57
4-Bromofluorobenzene	101	70-130		10/5/21 3:57

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0104

Date Received: 10/2/2021

Field Sample #: MW-41 Sampled: 9/29/2021 12:35

Sample ID: 21J0104-03

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/6/21	10/7/21 5:04	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/6/21	10/7/21 5:04	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/6/21	10/7/21 5:04	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/6/21	10/7/21 5:04	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/6/21	10/7/21 5:04	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	73.6	70-130		10/7/21 5:04
2,5-Dibromotoluene (PID)	72.8	70-130		10/7/21 5:04

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0104

Date Received: 10/2/2021

Field Sample #: MW-43 Sampled: 9/29/2021 15:30

Sample ID: 21J0104-04

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0104

Date Received: 10/2/2021

Field Sample #: MW-43 Sampled: 9/29/2021 15:30

Sample ID: 21J0104-04

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
Trichloroethylene	0.24	0.50	0.18	µg/L	1	J	SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
Trichlorofluoromethane (Freon 11)	0.63	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 4:24	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.3	70-130		10/5/21 4:24
Toluene-d8	99.4	70-130		10/5/21 4:24
4-Bromofluorobenzene	102	70-130		10/5/21 4:24

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0104

Date Received: 10/2/2021

Field Sample #: MW-43 Sampled: 9/29/2021 15:30

Sample ID: 21J0104-04

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/6/21	10/7/21 5:33	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/6/21	10/7/21 5:33	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/6/21	10/7/21 5:33	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/6/21	10/7/21 5:33	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/6/21	10/7/21 5:33	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	101	70-130		10/7/21 5:33
2,5-Dibromotoluene (PID)	97.8	70-130		10/7/21 5:33

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0104

Date Received: 10/2/2021

Field Sample #: FB-1-20210930 Sampled: 9/30/2021 07:35

Sample ID: 21J0104-05

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
Methylene Chloride	1.5	5.0	0.30	µg/L	1	J	SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0104

Date Received: 10/2/2021

Field Sample #: FB-1-20210930 Sampled: 9/30/2021 07:35

Sample ID: 21J0104-05

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:39	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	92.7	70-130		10/5/21 2:39
Toluene-d8	99.8	70-130		10/5/21 2:39
4-Bromofluorobenzene	99.3	70-130		10/5/21 2:39

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0104

Date Received: 10/2/2021

Field Sample #: FB-1-20210930 Sampled: 9/30/2021 07:35

Sample ID: 21J0104-05

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/6/21	10/7/21 6:03	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/6/21	10/7/21 6:03	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/6/21	10/7/21 6:03	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/6/21	10/7/21 6:03	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/6/21	10/7/21 6:03	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	83.5	70-130		10/7/21 6:03
2,5-Dibromotoluene (PID)	97.2	70-130		10/7/21 6:03

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0104

Date Received: 10/2/2021

Field Sample #: EB-1-20210931 Sampled: 9/30/2021 16:00

Sample ID: 21J0104-06

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
Methylene Chloride	1.2	5.0	0.30	µg/L	1	J	SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0104

Date Received: 10/2/2021

Field Sample #: EB-1-20210931 Sampled: 9/30/2021 16:00

Sample ID: 21J0104-06

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 3:05	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	92.5	70-130		10/5/21 3:05
Toluene-d8	100	70-130		10/5/21 3:05
4-Bromofluorobenzene	102	70-130		10/5/21 3:05

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0104

Date Received: 10/2/2021

Field Sample #: EB-1-20210931 Sampled: 9/30/2021 16:00

Sample ID: 21J0104-06

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/6/21	10/6/21 17:12	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/6/21	10/6/21 17:12	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/6/21	10/6/21 17:12	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/6/21	10/6/21 17:12	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/6/21	10/6/21 17:12	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	78.8	70-130		10/6/21 17:12
2,5-Dibromotoluene (PID)	76.7	70-130		10/6/21 17:12

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0104

Date Received: 10/2/2021

Field Sample #: Trip Blank Sampled: 9/30/2021 00:00

Sample ID: 21J0104-07

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
Methylene Chloride	0.66	5.0	0.30	µg/L	1	J	SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0104

Date Received: 10/2/2021

Field Sample #: Trip Blank Sampled: 9/30/2021 00:00

Sample ID: 21J0104-07

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/4/21	10/5/21 2:12	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	92.1	70-130		10/5/21 2:12
Toluene-d8	100	70-130		10/5/21 2:12
4-Bromofluorobenzene	103	70-130		10/5/21 2:12

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Sample Extraction Data

Prep Method: MA VPH **Analytical Method: MADEP-VPH-Feb 2018 Rev 2.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21J0104-01 [MW-69]	B291837	5	5.00	10/06/21
21J0104-02 [MW-61D]	B291837	5	5.00	10/06/21
21J0104-03 [MW-41]	B291837	5	5.00	10/06/21
21J0104-04 [MW-43]	B291837	5	5.00	10/06/21
21J0104-05 [FB-1-20210930]	B291837	5	5.00	10/06/21

Prep Method: MA VPH **Analytical Method: MADEP-VPH-Feb 2018 Rev 2.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21J0104-06 [EB-1-20210931]	B291839	5	5.00	10/06/21

Prep Method: SW-846 5030B **Analytical Method: SM21-23 6200B**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21J0104-01 [MW-69]	B291665	5	5.00	10/04/21
21J0104-02 [MW-61D]	B291665	5	5.00	10/04/21
21J0104-03 [MW-41]	B291665	5	5.00	10/04/21
21J0104-04 [MW-43]	B291665	5	5.00	10/04/21
21J0104-05 [FB-1-20210930]	B291665	5	5.00	10/04/21
21J0104-06 [EB-1-20210931]	B291665	5	5.00	10/04/21
21J0104-07 [Trip Blank]	B291665	5	5.00	10/04/21

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291665 - SW-846 5030B										
Blank (B291665-BLK1)				Prepared: 10/04/21 Analyzed: 10/05/21						
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromochloromethane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	2.0	µg/L							
n-Butylbenzene	ND	0.50	µg/L							
sec-Butylbenzene	ND	0.50	µg/L							
tert-Butylbenzene	ND	0.50	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							L-04
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
Naphthalene	ND	0.50	µg/L							
n-Propylbenzene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
1,2,3-Trichlorobenzene	ND	1.0	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291665 - SW-846 5030B												
Blank (B291665-BLK1)				Prepared: 10/04/21 Analyzed: 10/05/21								
Trichloroethylene	ND	0.50	µg/L									
Trichlorofluoromethane (Freon 11)	ND	0.50	µg/L									
1,2,3-Trichloropropane	ND	0.50	µg/L									
1,2,4-Trimethylbenzene	ND	0.50	µg/L									
1,3,5-Trimethylbenzene	ND	0.50	µg/L									
Vinyl Chloride	ND	0.50	µg/L									
m+p Xylene	ND	1.0	µg/L									
o-Xylene	ND	0.50	µg/L									
Surrogate: 1,2-Dichloroethane-d4	*22.9*		µg/L	25.0		91.5		70-130				
Surrogate: Toluene-d8	*25.0*		µg/L	25.0		99.9		70-130				
Surrogate: 4-Bromofluorobenzene	*25.0*		µg/L	25.0		100		70-130				
LCS (B291665-BS1)				Prepared: 10/04/21 Analyzed: 10/05/21								
Benzene	11.6	0.50	µg/L	10.0		116		70-130				
Bromobenzene	11.0	0.50	µg/L	10.0		110		70-130				
Bromochloromethane	12.6	0.50	µg/L	10.0		126		70-130				
Bromodichloromethane	11.8	0.50	µg/L	10.0		118		70-130				
Bromoform	10.6	0.50	µg/L	10.0		106		70-130				
Bromomethane	18.8	2.0	µg/L	10.0		**188**	*	60-140			L-02	†
n-Butylbenzene	8.90	0.50	µg/L	10.0		89.0		70-130				
sec-Butylbenzene	9.12	0.50	µg/L	10.0		91.2		70-130				
tert-Butylbenzene	9.92	0.50	µg/L	10.0		99.2		70-130				
Carbon Tetrachloride	12.5	0.50	µg/L	10.0		125		70-130				
Chlorobenzene	10.1	0.50	µg/L	10.0		101		70-130				
Chlorodibromomethane	12.0	0.50	µg/L	10.0		120		70-130				
Chloroethane	10.0	0.50	µg/L	10.0		100		60-140				
Chloroform	11.6	0.50	µg/L	10.0		116		70-130				
Chloromethane	4.27	0.60	µg/L	10.0		**42.7**	*	60-140			L-04	†
2-Chlorotoluene	10.5	0.50	µg/L	10.0		105		70-130				
4-Chlorotoluene	10.4	0.50	µg/L	10.0		104		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	9.37	5.0	µg/L	10.0		93.7		70-130				
1,2-Dibromoethane (EDB)	12.0	0.50	µg/L	10.0		120		70-130				
Dibromomethane	13.0	1.0	µg/L	10.0		130		70-130				
1,2-Dichlorobenzene	8.92	0.50	µg/L	10.0		89.2		70-130				
1,3-Dichlorobenzene	8.87	0.50	µg/L	10.0		88.7		70-130				
1,4-Dichlorobenzene	8.96	0.50	µg/L	10.0		89.6		70-130				
Dichlorodifluoromethane (Freon 12)	13.6	0.50	µg/L	10.0		136		60-140				†
1,1-Dichloroethane	11.9	0.50	µg/L	10.0		119		70-130				
1,2-Dichloroethane	12.7	0.50	µg/L	10.0		127		70-130				
1,1-Dichloroethylene	11.7	0.50	µg/L	10.0		117		70-130				
cis-1,2-Dichloroethylene	11.3	0.50	µg/L	10.0		113		70-130				
trans-1,2-Dichloroethylene	11.9	0.50	µg/L	10.0		119		70-130				
1,2-Dichloropropane	12.0	0.50	µg/L	10.0		120		70-130				
1,3-Dichloropropane	12.5	0.50	µg/L	10.0		125		70-130				
2,2-Dichloropropane	9.93	0.50	µg/L	10.0		99.3		70-130				†
1,1-Dichloropropene	12.9	0.50	µg/L	10.0		129		70-130				
cis-1,3-Dichloropropene	12.4	0.50	µg/L	10.0		124		70-130				
trans-1,3-Dichloropropene	12.1	0.50	µg/L	10.0		121		70-130				
Diisopropyl Ether (DIPE)	8.69	0.50	µg/L	10.0		86.9		70-130				
Ethylbenzene	10.7	0.50	µg/L	10.0		107		70-130				
Hexachlorobutadiene	9.38	0.60	µg/L	10.0		93.8		70-130				
Isopropylbenzene (Cumene)	10.2	0.50	µg/L	10.0		102		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291665 - SW-846 5030B												
LCS (B291665-BS1)				Prepared: 10/04/21 Analyzed: 10/05/21								
Methyl tert-Butyl Ether (MTBE)	12.3	0.50	µg/L	10.0		123		70-130				
Methylene Chloride	9.31	5.0	µg/L	10.0		93.1		70-130				
Naphthalene	7.53	0.50	µg/L	10.0		75.3		70-130				†
n-Propylbenzene	9.95	0.50	µg/L	10.0		99.5		70-130				
Styrene	10.4	0.50	µg/L	10.0		104		70-130				
1,1,1,2-Tetrachloroethane	11.2	0.50	µg/L	10.0		112		70-130				
1,1,2,2-Tetrachloroethane	10.4	0.50	µg/L	10.0		104		70-130				
Tetrachloroethylene	12.0	0.50	µg/L	10.0		120		70-130				
Toluene	11.7	0.50	µg/L	10.0		117		70-130				
1,2,3-Trichlorobenzene	8.51	1.0	µg/L	10.0		85.1		70-130				
1,2,4-Trichlorobenzene	8.97	0.50	µg/L	10.0		89.7		70-130				
1,1,1-Trichloroethane	12.4	0.50	µg/L	10.0		124		70-130				
1,1,2-Trichloroethane	12.3	0.50	µg/L	10.0		123		70-130				
Trichloroethylene	13.0	0.50	µg/L	10.0		130		70-130				
Trichlorofluoromethane (Freon 11)	12.2	0.50	µg/L	10.0		122		70-130				
1,2,3-Trichloropropane	11.8	0.50	µg/L	10.0		118		70-130				
1,2,4-Trimethylbenzene	9.55	0.50	µg/L	10.0		95.5		70-130				
1,3,5-Trimethylbenzene	10.2	0.50	µg/L	10.0		102		70-130				
Vinyl Chloride	10.8	0.50	µg/L	10.0		108		60-140				†
m+p Xylene	21.8	1.0	µg/L	20.0		109		70-130				
o-Xylene	10.5	0.50	µg/L	10.0		105		70-130				
Surrogate: 1,2-Dichloroethane-d4	*23.4*		µg/L	25.0		93.7		70-130				
Surrogate: Toluene-d8	*25.2*		µg/L	25.0		101		70-130				
Surrogate: 4-Bromofluorobenzene	*25.5*		µg/L	25.0		102		70-130				
LCS Dup (B291665-BSD1)				Prepared: 10/04/21 Analyzed: 10/05/21								
Benzene	12.3	0.50	µg/L	10.0		123		70-130	5.61	25		
Bromobenzene	10.8	0.50	µg/L	10.0		108		70-130	1.47	25		
Bromochloromethane	12.7	0.50	µg/L	10.0		127		70-130	0.946	25		
Bromodichloromethane	11.8	0.50	µg/L	10.0		118		70-130	0.254	25		
Bromoform	10.0	0.50	µg/L	10.0		100		70-130	5.04	25		
Bromomethane	18.1	2.0	µg/L	10.0		**181**	*	60-140	4.12	25	L-02	†
n-Butylbenzene	8.96	0.50	µg/L	10.0		89.6		70-130	0.672	25		
sec-Butylbenzene	9.23	0.50	µg/L	10.0		92.3		70-130	1.20	25		
tert-Butylbenzene	10.0	0.50	µg/L	10.0		100		70-130	1.30	25		
Carbon Tetrachloride	13.0	0.50	µg/L	10.0		130		70-130	4.47	25		
Chlorobenzene	10.0	0.50	µg/L	10.0		100		70-130	0.694	25		
Chlorodibromomethane	11.8	0.50	µg/L	10.0		118		70-130	2.27	25		
Chloroethane	10.3	0.50	µg/L	10.0		103		60-140	2.76	25		
Chloroform	11.9	0.50	µg/L	10.0		119		70-130	2.30	25		
Chloromethane	4.16	0.60	µg/L	10.0		**41.6**	*	60-140	2.61	25	L-04	†
2-Chlorotoluene	10.4	0.50	µg/L	10.0		104		70-130	1.05	25		
4-Chlorotoluene	10.3	0.50	µg/L	10.0		103		70-130	0.868	25		
1,2-Dibromo-3-chloropropane (DBCP)	11.1	5.0	µg/L	10.0		111		70-130	16.5	25		
1,2-Dibromoethane (EDB)	11.8	0.50	µg/L	10.0		118		70-130	1.51	25		
Dibromomethane	12.7	1.0	µg/L	10.0		127		70-130	2.65	25		
1,2-Dichlorobenzene	9.08	0.50	µg/L	10.0		90.8		70-130	1.78	25		
1,3-Dichlorobenzene	9.18	0.50	µg/L	10.0		91.8		70-130	3.43	25		
1,4-Dichlorobenzene	9.03	0.50	µg/L	10.0		90.3		70-130	0.778	25		
Dichlorodifluoromethane (Freon 12)	13.5	0.50	µg/L	10.0		135		60-140	1.10	25		†
1,1-Dichloroethane	12.1	0.50	µg/L	10.0		121		70-130	1.59	25		
1,2-Dichloroethane	12.6	0.50	µg/L	10.0		126		70-130	1.27	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291665 - SW-846 5030B												
LCS Dup (B291665-BSD1)				Prepared: 10/04/21 Analyzed: 10/05/21								
1,1-Dichloroethylene	11.5	0.50	µg/L	10.0		115		70-130	2.33	25		
cis-1,2-Dichloroethylene	11.4	0.50	µg/L	10.0		114		70-130	1.41	25		
trans-1,2-Dichloroethylene	12.3	0.50	µg/L	10.0		123		70-130	2.97	25		
1,2-Dichloropropane	12.2	0.50	µg/L	10.0		122		70-130	1.32	25		
1,3-Dichloropropane	12.9	0.50	µg/L	10.0		129		70-130	2.99	25		
2,2-Dichloropropane	9.99	0.50	µg/L	10.0		99.9		70-130	0.602	25		†
1,1-Dichloropropene	12.5	0.50	µg/L	10.0		125		70-130	3.30	25		
cis-1,3-Dichloropropene	11.8	0.50	µg/L	10.0		118		70-130	4.96	25		
trans-1,3-Dichloropropene	11.8	0.50	µg/L	10.0		118		70-130	2.43	25		
Diisopropyl Ether (DIPE)	8.50	0.50	µg/L	10.0		85.0		70-130	2.21	25		
Ethylbenzene	11.1	0.50	µg/L	10.0		111		70-130	3.85	25		
Hexachlorobutadiene	9.02	0.60	µg/L	10.0		90.2		70-130	3.91	25		
Isopropylbenzene (Cumene)	10.0	0.50	µg/L	10.0		100		70-130	1.29	25		
Methyl tert-Butyl Ether (MTBE)	12.0	0.50	µg/L	10.0		120		70-130	2.05	25		
Methylene Chloride	9.22	5.0	µg/L	10.0		92.2		70-130	0.971	25		
Naphthalene	8.05	0.50	µg/L	10.0		80.5		70-130	6.68	25		†
n-Propylbenzene	9.96	0.50	µg/L	10.0		99.6		70-130	0.100	25		
Styrene	10.3	0.50	µg/L	10.0		103		70-130	0.0967	25		
1,1,1,2-Tetrachloroethane	10.9	0.50	µg/L	10.0		109		70-130	2.53	25		
1,1,2,2-Tetrachloroethane	10.5	0.50	µg/L	10.0		105		70-130	0.763	25		
Tetrachloroethylene	12.3	0.50	µg/L	10.0		123		70-130	3.13	25		
Toluene	12.7	0.50	µg/L	10.0		127		70-130	8.70	25		
1,2,3-Trichlorobenzene	8.28	1.0	µg/L	10.0		82.8		70-130	2.74	25		
1,2,4-Trichlorobenzene	8.91	0.50	µg/L	10.0		89.1		70-130	0.671	25		
1,1,1-Trichloroethane	13.0	0.50	µg/L	10.0		130		70-130	4.01	25		
1,1,2-Trichloroethane	12.3	0.50	µg/L	10.0		123		70-130	0.325	25		
Trichloroethylene	13.4	0.50	µg/L	10.0		**134**	*	70-130	3.10	25	L-07	
Trichlorofluoromethane (Freon 11)	12.5	0.50	µg/L	10.0		125		70-130	2.99	25		
1,2,3-Trichloropropane	11.7	0.50	µg/L	10.0		117		70-130	0.764	25		
1,2,4-Trimethylbenzene	10.2	0.50	µg/L	10.0		102		70-130	6.88	25		
1,3,5-Trimethylbenzene	10.3	0.50	µg/L	10.0		103		70-130	0.881	25		
Vinyl Chloride	11.2	0.50	µg/L	10.0		112		60-140	3.62	25		†
m+p Xylene	22.7	1.0	µg/L	20.0		114		70-130	4.32	25		
o-Xylene	11.0	0.50	µg/L	10.0		110		70-130	4.65	25		
Surrogate: 1,2-Dichloroethane-d4	*23.0*		µg/L	25.0		92.2		70-130				
Surrogate: Toluene-d8	*25.0*		µg/L	25.0		99.8		70-130				
Surrogate: 4-Bromofluorobenzene	*25.3*		µg/L	25.0		101		70-130				

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291837 - MA VPH										
Blank (B291837-BLK1)				Prepared & Analyzed: 10/06/21						
Unadjusted C5-C8 Aliphatics	ND	100	µg/L							
C5-C8 Aliphatics	ND	100	µg/L							
Unadjusted C9-C12 Aliphatics	ND	100	µg/L							
C9-C12 Aliphatics	ND	100	µg/L							
C9-C10 Aromatics	ND	100	µg/L							
Benzene	ND	1.0	µg/L							
Butylcyclohexane	ND	1.0	µg/L							
Decane	ND	1.0	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
2-Methylpentane	ND	1.0	µg/L							
Naphthalene	ND	5.0	µg/L							
Nonane	ND	1.0	µg/L							
Pentane	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
2,2,4-Trimethylpentane	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 2,5-Dibromotoluene (FID)	*29.2*		µg/L	40.0		73.1	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*37.5*		µg/L	40.0		93.8	70-130			
LCS (B291837-BS1)				Prepared & Analyzed: 10/06/21						
Benzene	48.6	1.0	µg/L	50.0		97.2	70-130			
Butylcyclohexane	58.9	1.0	µg/L	50.0		118	70-130			
Decane	43.6	1.0	µg/L	50.0		87.1	70-130			
Ethylbenzene	48.5	1.0	µg/L	50.0		97.0	70-130			
Methyl tert-Butyl Ether (MTBE)	49.7	1.0	µg/L	50.0		99.4	70-130			
2-Methylpentane	43.2	1.0	µg/L	50.0		86.4	70-130			
Naphthalene	50.9	5.0	µg/L	50.0		102	70-130			
Nonane	58.8	1.0	µg/L	50.0		118	70-130			
Pentane	44.2	1.0	µg/L	50.0		88.5	70-130			
Toluene	48.4	1.0	µg/L	50.0		96.7	70-130			
1,2,4-Trimethylbenzene	47.1	1.0	µg/L	50.0		94.2	70-130			
2,2,4-Trimethylpentane	39.1	1.0	µg/L	50.0		78.2	70-130			
m+p Xylene	96.6	2.0	µg/L	100		96.6	70-130			
o-Xylene	49.0	1.0	µg/L	50.0		97.9	70-130			
Surrogate: 2,5-Dibromotoluene (FID)	*38.4*		µg/L	40.0		96.1	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*44.9*		µg/L	40.0		112	70-130			
LCS Dup (B291837-BSD1)				Prepared & Analyzed: 10/06/21						
Benzene	45.6	1.0	µg/L	50.0		91.2	70-130	6.33	25	
Butylcyclohexane	56.4	1.0	µg/L	50.0		113	70-130	4.18	25	
Decane	40.9	1.0	µg/L	50.0		81.7	70-130	6.39	25	
Ethylbenzene	45.4	1.0	µg/L	50.0		90.8	70-130	6.68	25	
Methyl tert-Butyl Ether (MTBE)	48.1	1.0	µg/L	50.0		96.3	70-130	3.21	25	
2-Methylpentane	39.4	1.0	µg/L	50.0		78.8	70-130	9.13	25	
Naphthalene	50.7	5.0	µg/L	50.0		101	70-130	0.537	25	
Nonane	56.7	1.0	µg/L	50.0		113	70-130	3.69	25	
Pentane	40.9	1.0	µg/L	50.0		81.7	70-130	7.93	25	
Toluene	45.4	1.0	µg/L	50.0		90.9	70-130	6.24	25	
1,2,4-Trimethylbenzene	44.3	1.0	µg/L	50.0		88.5	70-130	6.19	25	

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291837 - MA VPH										
LCS Dup (B291837-BSD1)				Prepared & Analyzed: 10/06/21						
2,2,4-Trimethylpentane	35.3	1.0	µg/L	50.0		70.6	70-130	10.3	25	
m+p Xylene	90.4	2.0	µg/L	100		90.4	70-130	6.62	25	
o-Xylene	46.1	1.0	µg/L	50.0		92.1	70-130	6.09	25	
Surrogate: 2,5-Dibromotoluene (FID)	*28.2*		µg/L	40.0		70.4	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*34.3*		µg/L	40.0		85.9	70-130			
Batch B291839 - MA VPH										
Blank (B291839-BLK1)				Prepared & Analyzed: 10/06/21						
Unadjusted C5-C8 Aliphatics	ND	100	µg/L							
C5-C8 Aliphatics	ND	100	µg/L							
Unadjusted C9-C12 Aliphatics	ND	100	µg/L							
C9-C12 Aliphatics	ND	100	µg/L							
C9-C10 Aromatics	ND	100	µg/L							
Benzene	ND	1.0	µg/L							
Butylcyclohexane	ND	1.0	µg/L							
Decane	ND	1.0	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
2-Methylpentane	ND	1.0	µg/L							
Naphthalene	ND	5.0	µg/L							
Nonane	ND	1.0	µg/L							
Pentane	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
2,2,4-Trimethylpentane	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 2,5-Dibromotoluene (FID)	*30.5*		µg/L	40.0		76.2	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*31.5*		µg/L	40.0		78.8	70-130			
LCS (B291839-BS1)				Prepared & Analyzed: 10/06/21						
Benzene	47.9	1.0	µg/L	50.0		95.8	70-130			
Butylcyclohexane	65.1	1.0	µg/L	50.0		130	70-130			L-07
Decane	54.6	1.0	µg/L	50.0		109	70-130			
Ethylbenzene	48.5	1.0	µg/L	50.0		96.9	70-130			
Methyl tert-Butyl Ether (MTBE)	48.4	1.0	µg/L	50.0		96.8	70-130			
2-Methylpentane	42.0	1.0	µg/L	50.0		84.1	70-130			
Naphthalene	46.6	5.0	µg/L	50.0		93.2	70-130			
Nonane	64.8	1.0	µg/L	50.0		130	70-130			
Pentane	38.8	1.0	µg/L	50.0		77.7	70-130			
Toluene	49.7	1.0	µg/L	50.0		99.4	70-130			
1,2,4-Trimethylbenzene	46.1	1.0	µg/L	50.0		92.2	70-130			
2,2,4-Trimethylpentane	44.5	1.0	µg/L	50.0		89.1	70-130			
m+p Xylene	97.1	2.0	µg/L	100		97.1	70-130			
o-Xylene	49.2	1.0	µg/L	50.0		98.3	70-130			
Surrogate: 2,5-Dibromotoluene (FID)	*34.7*		µg/L	40.0		86.8	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*34.2*		µg/L	40.0		85.6	70-130			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291839 - MA VPH										
LCS Dup (B291839-BSD1)				Prepared & Analyzed: 10/06/21						
Benzene	45.9	1.0	µg/L	50.0		91.8	70-130	4.21	25	
Butylcyclohexane	64.2	1.0	µg/L	50.0		128	70-130	1.32	25	
Decane	52.8	1.0	µg/L	50.0		106	70-130	3.32	25	
Ethylbenzene	46.6	1.0	µg/L	50.0		93.3	70-130	3.84	25	
Methyl tert-Butyl Ether (MTBE)	47.0	1.0	µg/L	50.0		94.1	70-130	2.85	25	
2-Methylpentane	38.9	1.0	µg/L	50.0		77.8	70-130	7.81	25	
Naphthalene	45.6	5.0	µg/L	50.0		91.3	70-130	2.11	25	
Nonane	64.1	1.0	µg/L	50.0		128	70-130	1.05	25	
Pentane	36.4	1.0	µg/L	50.0		72.8	70-130	6.46	25	
Toluene	47.4	1.0	µg/L	50.0		94.9	70-130	4.62	25	
1,2,4-Trimethylbenzene	44.5	1.0	µg/L	50.0		89.1	70-130	3.47	25	
2,2,4-Trimethylpentane	40.6	1.0	µg/L	50.0		81.2	70-130	9.26	25	
m+p Xylene	95.0	2.0	µg/L	100		95.0	70-130	2.16	25	
o-Xylene	48.9	1.0	µg/L	50.0		97.9	70-130	0.495	25	
Surrogate: 2,5-Dibromotoluene (FID)	*37.0*		µg/L	40.0		92.6	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*33.3*		µg/L	40.0		83.2	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
MADEP-VPH-Feb 2018 Rev 2.1 in Water	
Unadjusted C5-C8 Aliphatics	CT,NC,ME,NH-P
C5-C8 Aliphatics	CT,NC,ME,NH-P
Unadjusted C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C10 Aromatics	CT,NC,ME,NH-P
Benzene	CT,NC,ME,NH-P
Ethylbenzene	CT,NC,ME,NH-P
Methyl tert-Butyl Ether (MTBE)	CT,NC,ME,NH-P
Naphthalene	CT,NC,ME,NH-P
Toluene	CT,NC,ME,NH-P
m+p Xylene	CT,NC,ME,NH-P
o-Xylene	CT,NC,ME,NH-P
SM21-23 6200B in Water	
Benzene	NC
Bromobenzene	NC
Bromochloromethane	NC
Bromodichloromethane	NC
Bromoform	NC
Bromomethane	NC
n-Butylbenzene	NC
sec-Butylbenzene	NC
tert-Butylbenzene	NC
Carbon Tetrachloride	NC
Chlorobenzene	NC
Chlorodibromomethane	NC
Chloroethane	NC
Chloroform	NC
Chloromethane	NC
2-Chlorotoluene	NC
4-Chlorotoluene	NC
1,2-Dibromoethane (EDB)	NC
1,2-Dichlorobenzene	NC
1,3-Dichlorobenzene	NC
1,4-Dichlorobenzene	NC
Dichlorodifluoromethane (Freon 12)	NC
1,1-Dichloroethane	NC
1,2-Dichloroethane	NC
1,1-Dichloroethylene	NC
cis-1,2-Dichloroethylene	NC
trans-1,2-Dichloroethylene	NC
1,2-Dichloropropane	NC
1,3-Dichloropropane	NC
2,2-Dichloropropane	NC
1,1-Dichloropropene	NC
cis-1,3-Dichloropropene	NC
trans-1,3-Dichloropropene	NC

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SM21-23 6200B in Water	
Diisopropyl Ether (DIPE)	NC
Ethylbenzene	NC
Isopropylbenzene (Cumene)	NC
Methyl tert-Butyl Ether (MTBE)	NC
Methylene Chloride	NC
Naphthalene	NC
n-Propylbenzene	NC
Styrene	NC
1,1,2,2-Tetrachloroethane	NC
Tetrachloroethylene	NC
Toluene	NC
1,2,3-Trichlorobenzene	NC
1,2,4-Trichlorobenzene	NC
1,1,1-Trichloroethane	NC
1,1,2-Trichloroethane	NC
Trichloroethylene	NC
Trichlorofluoromethane (Freon 11)	NC
1,2,3-Trichloropropane	NC
1,2,4-Trimethylbenzene	NC
1,3,5-Trimethylbenzene	NC
Vinyl Chloride	NC
m+p Xylene	NC
o-Xylene	NC

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

Internal Transfer Chain of Custody

2110104

Pace Analytical®
www.pacelabs.com

☐ Samples Pre-Logged into eCOC.

State Of Origin: NC
Cert. Needed: [x] Yes ☐ No

Workorder: 92564336 **Workorder Name:** CPC HUNTERSVILLE - 60639876 **Owner Received Date:** 9/30/2021 **Results Requested By:** 10/5/2021

Report To	Subcontract To
Bonnie Vang Pace Analytical Charlotte 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 Phone (704)875-9092	Pace New England 39 Spruce St. East Longmeadow, MA 01028 Phone (413)525-2332

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HCL	6200	VPH	LAB USE ONLY
1	MW-69	PS	9/29/2021 16:55	92564336001	Water	7	X	X	
2	MW-61D	PS	9/29/2021 10:25	92564336002	Water	7	X	X	
3	MW-41	PS	9/29/2021 12:35	92564336003	Water	7	X	X	
4	MW-43	PS	9/29/2021 15:30	92564336004	Water	7	X	X	
5	FB-1-20210930	PS	9/30/2021 07:35	92564336005	Water	7	X	X	
6	EB-1-20210931	PS	9/30/2021 16:00	92564336006	Water	7	X	X	
7	TRIP BLANK	PS	9/30/2021 00:00	92564336007	Water	2	X		

Transfers	Released By	Date/Time	Received By	Date/Time
1	[illegible]	9-30-21 1600	[illegible]	10/1/21 1005
2				
3				

Comments

Cooler Temperature on Receipt 2.2 °C | **Custody Seal** Y or (N) | **Received on Ice** (Y) or N | **Samples Intact** (Y) or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.*

FedEx

TRACK ANOTHER SHIPMENT

987548461019

ADD NICKNAME

Delivered
Saturday, October 2, 2021 at 10:05 am

DELIVERED

Signed for by: S.FAUST

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM	TO
Huntersville, NC US	EAST LONGMEADOW, MA US

Travel History

TIME ZONE
Local Scan Time

Saturday, October 2, 2021

10:05 AM	EAST LONGMEADOW, MA	Delivered
9:13 AM	WINDSOR LOCKS, CT	On FedEx vehicle for delivery
9:04 AM	WINDSOR LOCKS, CT	At local FedEx facility
7:35 AM	EAST GRANBY, CT	At destination sort facility
4:17 AM	MEMPHIS, TN	Departed FedEx hub

Friday, October 1, 2021

11:05 PM	MEMPHIS, TN	Arrived at FedEx hub
8:22 PM	CONCORD, NC	Left FedEx origin facility
4:51 PM		Shipment information sent to FedEx
5:10 PM	CONCORD, NC	Picked up

Shipment Facts

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Pace-NC

Received By BLF Date 10/8/21 Time 1005

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____ Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 3 Actual Temp - 2.2°C By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Project T Analysis T ID's T Sampler Name T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? T Who was notified? NA

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? T On COC? T

Do all samples have the proper pH? Acid NA Base NA

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-	44	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 08, 2021

Andrew Wreschnig
AECOM
6000 Fairview Road
Suite 200
Charlotte, NC 28210

RE: Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564485

Dear Andrew Wreschnig:

Enclosed are the analytical results for sample(s) received by the laboratory on October 01, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Teresa Amentt Jennings, AECOM
Jeff Morrison, Colonial Pipeline Company

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CERTIFICATIONS

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564485

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

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SAMPLE SUMMARY

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564485

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92564485001	**MW-84**	Water	10/01/21 08:45	10/01/21 16:05
92564485002	**MW-16D**	Water	10/01/21 09:15	10/01/21 16:05
92564485003	**MW-21**	Water	10/01/21 08:40	10/01/21 16:05
92564485004	**MW-79D**	Water	10/01/21 10:50	10/01/21 16:05
92564485005	**MW-23**	Water	10/01/21 11:00	10/01/21 16:05
92564485006	**MW-31**	Water	10/01/21 12:30	10/01/21 16:05
92564485007	**MW-31D**	Water	10/01/21 12:45	10/01/21 16:05
92564485008	**MW-19**	Water	10/01/21 13:40	10/01/21 16:05
92564485009	**MW-81D**	Water	10/01/21 14:45	10/01/21 16:05
92564485010	**DUP-1-20211001**	Water	10/01/21 14:45	10/01/21 16:05

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SAMPLE ANALYTE COUNT

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564485

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92564485001	**MW-84**	EPA 6010D	CBV	1	PASI-A
92564485002	**MW-16D**	EPA 6010D	CBV	1	PASI-A
92564485003	**MW-21**	EPA 6010D	CBV	1	PASI-A
92564485004	**MW-79D**	EPA 6010D	CBV	1	PASI-A
92564485005	**MW-23**	EPA 6010D	CBV	1	PASI-A
92564485006	**MW-31**	EPA 6010D	CBV	1	PASI-A
92564485007	**MW-31D**	EPA 6010D	CBV	1	PASI-A
92564485008	**MW-19**	EPA 6010D	CBV	1	PASI-A
92564485009	**MW-81D**	EPA 6010D	CBV	1	PASI-A
92564485010	**DUP-1-20211001**	EPA 6010D	CBV	1	PASI-A

PASI-A = Pace Analytical Services - Asheville

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564485

Sample: MW-84 **Lab ID: 92564485001** Collected: 10/01/21 08:45 Received: 10/01/21 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/04/21 12:21	10/06/21 03:31	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564485

Sample: MW-16D **Lab ID: 92564485002** Collected: 10/01/21 09:15 Received: 10/01/21 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/04/21 12:21	10/06/21 03:44	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564485

Sample: MW-21 **Lab ID: 92564485003** Collected: 10/01/21 08:40 Received: 10/01/21 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/04/21 12:21	10/06/21 03:48	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564485

Sample: MW-79D **Lab ID: 92564485004** Collected: 10/01/21 10:50 Received: 10/01/21 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/04/21 12:21	10/06/21 03:51	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564485

Sample: MW-23 **Lab ID: 92564485005** Collected: 10/01/21 11:00 Received: 10/01/21 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/04/21 12:21	10/06/21 03:54	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564485

Sample: MW-31 **Lab ID: 92564485006** Collected: 10/01/21 12:30 Received: 10/01/21 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/04/21 12:21	10/06/21 04:04	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564485

Sample: MW-31D **Lab ID: 92564485007** Collected: 10/01/21 12:45 Received: 10/01/21 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/04/21 12:21	10/06/21 04:07	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564485

Sample: MW-19 **Lab ID: 92564485008** Collected: 10/01/21 13:40 Received: 10/01/21 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/04/21 12:21	10/06/21 04:11	7439-92-1	

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Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564485

Sample: MW-81D **Lab ID: 92564485009** Collected: 10/01/21 14:45 Received: 10/01/21 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/04/21 12:21	10/06/21 04:14	7439-92-1	

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Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564485

Sample: DUP-1-20211001 **Lab ID: 92564485010** Collected: 10/01/21 14:45 Received: 10/01/21 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/04/21 12:21	10/06/21 04:17	7439-92-1	

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564485

QC Batch: 650613
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92564485001, 92564485002, 92564485003, 92564485004, 92564485005, 92564485006, 92564485007, 92564485008, 92564485009, 92564485010

METHOD BLANK: 3412241 Matrix: Water
Associated Lab Samples: 92564485001, 92564485002, 92564485003, 92564485004, 92564485005, 92564485006, 92564485007, 92564485008, 92564485009, 92564485010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	4.5	10/06/21 03:25	

LABORATORY CONTROL SAMPLE: 3412242

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	472	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3412243 3412244

Parameter	Units	92564485001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	489	484	97	96	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564485

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564485

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92564485001	**MW-84**	EPA 3010A	650613	EPA 6010D	650652
92564485002	**MW-16D**	EPA 3010A	650613	EPA 6010D	650652
92564485003	**MW-21**	EPA 3010A	650613	EPA 6010D	650652
92564485004	**MW-79D**	EPA 3010A	650613	EPA 6010D	650652
92564485005	**MW-23**	EPA 3010A	650613	EPA 6010D	650652
92564485006	**MW-31**	EPA 3010A	650613	EPA 6010D	650652
92564485007	**MW-31D**	EPA 3010A	650613	EPA 6010D	650652
92564485008	**MW-19**	EPA 3010A	650613	EPA 6010D	650652
92564485009	**MW-81D**	EPA 3010A	650613	EPA 6010D	650652
92564485010	**DUP-1-20211001**	EPA 3010A	650613	EPA 6010D	650652

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Pace Analytical	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: October 28, 2020 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.07	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☑ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: AECom

Project #:

WO# : 92564485

Courier: ☐ Commercial ☐ Fed Ex ☐ Pace ☐ UPS ☐ USPS ☐ Other: ☑ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☑ No

Date/Initials Person Examining Contents: DB 10/12/21

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Thermometer: ☑ IR Gun ID: A2T064 Type of Ice: ☑ Wet ☐ Blue ☐ None

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Cooler Temp: 3.3 Correction Factor: Add/Subtract (°C) 0

Cooler Temp Corrected (°C): 3.3

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (Internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☑ Yes	☐ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: wt				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☑ No	☐ N/A	10.
Trip Blank Present?	☐ Yes	☑ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Trip Blank listed on CoC but did not arrive with sample.

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

***Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.**

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

****Bottom half of box is to list number of bottles**

Projec

WO#: 92564485

PM: BV Due Date: 10/06/21

CLIENT: 92-AECOM CHA

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1						1										7													
2						1										7													
3						1										7													
4						1										7													
5						1										7													
6						1										7													
7						1										7													
8						1										7													
9						1										7													
10						1										7													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical
WWW.PACELABS.COM

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	AECOM	Report To:	Andy Wreschnig	Attention:	
Address:	6000 Fairview Road	Copy To:		Company Name:	
	Suite 200, Charlotte, NC 28210			Address:	
Email:	andrew.wreschnig@aecom.com	Purchase Order #:		Pace Quote:	60639876
Phone:	(704)716-0757 Fax:	Project Name:	CPC Huntersville-60639876	Pace Project Manager:	bonnie.vang@pacelabs.com,
Requested Due Date:	3 DAY TAT	Project #:		Pace Profile #:	12518-3

Regulatory Agency

State / Location: NC

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	6200B	VPH	6010-Pb	n-butanol by 6200	Trip BLANK	Residual Chlorine (Y/N)	97564985
1	MW-8I	WW	G			10/1	0845		8			1	7						X	X	X				3 DAY TAT 001
2	MW-16D	WW	G			10/1	0915		8			1	7						X	X	X				002
3	MW-21	WW	G			10/1	0940		8			1	7						X	X	X				003
4	MW-79D	WW	G			10/1	1050		8			1	7						X	X	X				004
5	MW-23	WW	G			10/1	1100		8			1	7						X	X	X				005
6	MW-31	WW	G			10/1	1230		8			1	7						X	X	X				006
7	MW-31D	WW	G			10/1	1245		8			1	7						X	X	X				007
8	MW-19	WW	G			10/1	1340		8			1	7						X	X	X				008
9	MW-81D	WW	G			10/1	1445		8			1	7						X	X	X				009
10	DUP-1-20211001	WW	G			10/1			8			1	7						X	X	X				010
11	TRIP BLANK					Lab Provided			2				2										X		011
12																									~~012~~ JC 10-1-21

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
3 DAY TAT	Mike deKozlowski / AECOM	10/1/21	1605	JB PACE MVL	10/01/21	1605	3.3	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Mike deKozlowski

SIGNATURE of SAMPLER: Mike deKozlowski DATE Signed: 10/1/21

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

October 8, 2021

Bonnie Vang
Pace Analytical Services - NC
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078

Project Location: CPC Huntersville-60639876
Client Job Number:
Project Number: 92564485
Laboratory Work Order Number: 21J0176

Enclosed are results of analyses for samples as received by the laboratory on October 5, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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Pace Analytical Services - NC
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
ATTN: Bonnie Vang

REPORT DATE: 10/8/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 92564485

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21J0176

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: CPC Huntersville-60639876

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-84	21J0176-01	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-16D	21J0176-02	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-21	21J0176-03	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-79D	21J0176-04	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-23	21J0176-05	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-31	21J0176-06	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-31D	21J0176-07	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-19	21J0176-08	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-81D	21J0176-09	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
DUP-1-20211001	21J0176-10	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6200B, elevated reporting limits for sample(s) 21J0176-03, 21J0176-08 due to a high concentration of target compounds.

For method MA VPH, only hydrocarbon ranges were requested and reported.

MADEP-VPH-Feb 2018 Rev 2.1

Qualifications:

RL-05

Elevated reporting limit due to high concentration of target compounds. MA CAM reporting limit not met.

Analyte & Samples(s) Qualified:

C9-C10 Aromatics
21J0176-03[MW-21]

C9-C12 Aliphatics
21J0176-03[MW-21]

Unadjusted C9-C12 Aliphatics
21J0176-03[MW-21]

SM21-23 6200B

Qualifications:

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Chloromethane
21J0176-01[MW-84], 21J0176-02[MW-16D], 21J0176-03[MW-21], 21J0176-04[MW-79D], 21J0176-05[MW-23], 21J0176-06[MW-31], 21J0176-07[MW-31D], 21J0176-08[MW-19], 21J0176-09[MW-81D], 21J0176-10[DUP-1-20211001], B291847-BLK1, B291847-BS1, B291847-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

1,2,3-Trichloropropane
B291847-BSD1

Bromomethane
B291847-BS1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

21J0176-03[MW-21], 21J0176-08[MW-19]

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MADEP-VPH-Feb 2018 Rev 2.1

No significant modifications were made to the method. All VPH samples were received preserved properly at pH <2 in the proper containers as specified on the chain-of-custody form unless specified in this narrative.

Analytical column used for VPH analysis is Restek, Rtx-502.2, 105meter, 0.53mmID, 3um df. Trap used for VPH analysis is Carbopack B/CarboSieveS-III.

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0176

Date Received: 10/5/2021

Field Sample #: MW-84 Sampled: 10/1/2021 08:45

Sample ID: 21J0176-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
Ethylbenzene	0.13	0.50	0.090	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0176

Date Received: 10/5/2021

Field Sample #: MW-84 Sampled: 10/1/2021 08:45

Sample ID: 21J0176-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
Toluene	0.94	0.50	0.11	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
m+p Xylene	0.19	1.0	0.18	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 18:02	LBD
o-Xylene	0.38	0.50	0.090	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 18:02	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	90.2	70-130		10/6/21 18:02
Toluene-d8	99.0	70-130		10/6/21 18:02
4-Bromofluorobenzene	94.3	70-130		10/6/21 18:02

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0176

Date Received: 10/5/2021

Field Sample #: MW-84 Sampled: 10/1/2021 08:45

Sample ID: 21J0176-01

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 20:22	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 20:22	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 20:22	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 20:22	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 20:22	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	76.5	70-130		10/7/21 20:22
2,5-Dibromotoluene (PID)	77.2	70-130		10/7/21 20:22

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0176

Date Received: 10/5/2021

Field Sample #: MW-16D Sampled: 10/1/2021 09:15

Sample ID: 21J0176-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	0.13	0.50	0.13	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
Ethylbenzene	0.15	0.50	0.090	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0176

Date Received: 10/5/2021

Field Sample #: MW-16D Sampled: 10/1/2021 09:15

Sample ID: 21J0176-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
Toluene	1.2	0.50	0.11	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
1,2,4-Trimethylbenzene	0.12	0.50	0.10	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
m+p Xylene	0.83	1.0	0.18	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 18:28	LBD
o-Xylene	0.33	0.50	0.090	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 18:28	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	88.4	70-130		10/6/21 18:28
Toluene-d8	96.9	70-130		10/6/21 18:28
4-Bromofluorobenzene	96.4	70-130		10/6/21 18:28

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0176

Date Received: 10/5/2021

Field Sample #: MW-16D Sampled: 10/1/2021 09:15

Sample ID: 21J0176-02

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 20:51	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 20:51	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 20:51	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 20:51	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 20:51	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	70.9	70-130		10/7/21 20:51
2,5-Dibromotoluene (PID)	84.0	70-130		10/7/21 20:51

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0176

Date Received: 10/5/2021

Field Sample #: MW-21 Sampled: 10/1/2021 08:40

Sample ID: 21J0176-03

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	620	5.0	1.3	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
Bromobenzene	ND	5.0	1.3	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
Bromochloromethane	ND	5.0	3.6	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
Bromodichloromethane	ND	5.0	1.4	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
Bromoform	ND	10	2.9	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
Bromomethane	ND	50	11	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
n-Butylbenzene	ND	5.0	1.4	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
sec-Butylbenzene	ND	5.0	1.0	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
tert-Butylbenzene	ND	5.0	0.90	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
Carbon Tetrachloride	ND	5.0	1.7	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
Chlorobenzene	ND	5.0	0.80	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
Chlorodibromomethane	ND	5.0	1.6	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
Chloroethane	ND	5.0	3.7	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
Chloroform	ND	5.0	1.9	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
Chloromethane	ND	6.0	3.8	µg/L	10	L-04	SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
2-Chlorotoluene	ND	5.0	0.90	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
4-Chlorotoluene	ND	5.0	1.0	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	7.2	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
1,2-Dibromoethane (EDB)	ND	5.0	1.5	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
Dibromomethane	ND	10	2.9	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
1,2-Dichlorobenzene	ND	5.0	1.0	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
1,3-Dichlorobenzene	ND	5.0	0.90	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
1,4-Dichlorobenzene	ND	5.0	1.1	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
Dichlorodifluoromethane (Freon 12)	ND	5.0	2.0	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
1,1-Dichloroethane	ND	5.0	1.6	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
1,2-Dichloroethane	ND	5.0	3.2	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
1,1-Dichloroethylene	ND	5.0	1.6	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
cis-1,2-Dichloroethylene	ND	5.0	1.5	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
trans-1,2-Dichloroethylene	ND	5.0	1.7	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
1,2-Dichloropropane	ND	5.0	1.8	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
1,3-Dichloropropane	ND	5.0	1.2	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
2,2-Dichloropropane	ND	5.0	3.1	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
1,1-Dichloropropene	ND	5.0	2.6	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
cis-1,3-Dichloropropene	ND	5.0	1.2	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
trans-1,3-Dichloropropene	ND	5.0	1.5	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
Diisopropyl Ether (DIPE)	62	5.0	1.5	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
Ethylbenzene	2.4	5.0	0.90	µg/L	10	J	SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
Hexachlorobutadiene	ND	6.0	4.1	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
Isopropylbenzene (Cumene)	2.0	5.0	1.0	µg/L	10	J	SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
Methyl tert-Butyl Ether (MTBE)	41	5.0	1.7	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
Methylene Chloride	ND	50	3.0	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
Naphthalene	6.8	5.0	1.5	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
n-Propylbenzene	1.4	5.0	0.80	µg/L	10	J	SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
Styrene	ND	5.0	0.80	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0176

Date Received: 10/5/2021

Field Sample #: MW-21 Sampled: 10/1/2021 08:40

Sample ID: 21J0176-03

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	5.0	1.4	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
1,1,2,2-Tetrachloroethane	ND	5.0	0.90	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
Tetrachloroethylene	ND	5.0	2.0	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
Toluene	14	5.0	1.1	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
1,2,3-Trichlorobenzene	ND	10	1.4	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
1,2,4-Trichlorobenzene	ND	5.0	1.6	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
1,1,1-Trichloroethane	ND	5.0	1.7	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
1,1,2-Trichloroethane	ND	5.0	1.5	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
Trichloroethylene	ND	5.0	1.8	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
Trichlorofluoromethane (Freon 11)	ND	5.0	1.9	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
1,2,3-Trichloropropane	ND	5.0	3.1	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
1,2,4-Trimethylbenzene	2.2	5.0	1.0	µg/L	10	J	SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
1,3,5-Trimethylbenzene	1.0	5.0	1.0	µg/L	10	J	SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
Vinyl Chloride	ND	5.0	2.0	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
m+p Xylene	14	10	1.8	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD
o-Xylene	18	5.0	0.90	µg/L	10		SM21-23 6200B	10/6/21	10/6/21 21:31	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	87.6	70-130		10/6/21 21:31
Toluene-d8	98.6	70-130		10/6/21 21:31
4-Bromofluorobenzene	95.2	70-130		10/6/21 21:31

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0176

Date Received: 10/5/2021

Field Sample #: MW-21 Sampled: 10/1/2021 08:40

Sample ID: 21J0176-03

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	2200	200	µg/L	2		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 2:45	KMB
C5-C8 Aliphatics	1400	200	µg/L	2		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 2:45	KMB
Unadjusted C9-C12 Aliphatics	ND	200	µg/L	2	RL-05	MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 2:45	KMB
C9-C12 Aliphatics	ND	200	µg/L	2	RL-05	MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 2:45	KMB
C9-C10 Aromatics	ND	200	µg/L	2	RL-05	MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 2:45	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
2,5-Dibromotoluene (FID)	96.9	70-130			10/8/21 2:45
2,5-Dibromotoluene (PID)	99.2	70-130			10/8/21 2:45

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0176

Date Received: 10/5/2021

Field Sample #: MW-79D Sampled: 10/1/2021 10:50

Sample ID: 21J0176-04

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
Ethylbenzene	0.11	0.50	0.090	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0176

Date Received: 10/5/2021

Field Sample #: MW-79D Sampled: 10/1/2021 10:50

Sample ID: 21J0176-04

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
Toluene	8.8	0.50	0.11	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
1,2,4-Trimethylbenzene	0.11	0.50	0.10	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
Vinyl Chloride	0.22	0.50	0.20	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
m+p Xylene	0.58	1.0	0.18	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 18:54	LBD
o-Xylene	0.25	0.50	0.090	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 18:54	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	89.8	70-130		10/6/21 18:54
Toluene-d8	98.2	70-130		10/6/21 18:54
4-Bromofluorobenzene	94.9	70-130		10/6/21 18:54

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0176

Date Received: 10/5/2021

Field Sample #: MW-79D Sampled: 10/1/2021 10:50

Sample ID: 21J0176-04

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 21:21	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 21:21	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 21:21	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 21:21	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 21:21	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	123	70-130		10/7/21 21:21
2,5-Dibromotoluene (PID)	130	70-130		10/7/21 21:21

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0176

Date Received: 10/5/2021

Field Sample #: MW-23 Sampled: 10/1/2021 11:00

Sample ID: 21J0176-05

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0176

Date Received: 10/5/2021

Field Sample #: MW-23 Sampled: 10/1/2021 11:00

Sample ID: 21J0176-05

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:21	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	89.7	70-130		10/6/21 19:21
Toluene-d8	98.1	70-130		10/6/21 19:21
4-Bromofluorobenzene	95.3	70-130		10/6/21 19:21

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0176

Date Received: 10/5/2021

Field Sample #: MW-23 Sampled: 10/1/2021 11:00

Sample ID: 21J0176-05

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 21:50	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 21:50	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 21:50	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 21:50	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 21:50	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	74.3	70-130		10/7/21 21:50
2,5-Dibromotoluene (PID)	85.4	70-130		10/7/21 21:50

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0176

Date Received: 10/5/2021

Field Sample #: MW-31 Sampled: 10/1/2021 12:30

Sample ID: 21J0176-06

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
Chloroform	0.27	0.50	0.19	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
Diisopropyl Ether (DIPE)	0.16	0.50	0.15	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0176

Date Received: 10/5/2021

Field Sample #: MW-31 Sampled: 10/1/2021 12:30

Sample ID: 21J0176-06

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 19:47	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	89.8	70-130		10/6/21 19:47
Toluene-d8	97.8	70-130		10/6/21 19:47
4-Bromofluorobenzene	93.5	70-130		10/6/21 19:47

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0176

Date Received: 10/5/2021

Field Sample #: MW-31 Sampled: 10/1/2021 12:30

Sample ID: 21J0176-06

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 22:20	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 22:20	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 22:20	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 22:20	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 22:20	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	96.3	70-130		10/7/21 22:20
2,5-Dibromotoluene (PID)	91.4	70-130		10/7/21 22:20

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0176

Date Received: 10/5/2021

Field Sample #: MW-31D Sampled: 10/1/2021 12:45

Sample ID: 21J0176-07

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0176

Date Received: 10/5/2021

Field Sample #: MW-31D Sampled: 10/1/2021 12:45

Sample ID: 21J0176-07

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
Toluene	0.12	0.50	0.11	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
m+p Xylene	0.25	1.0	0.18	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 20:13	LBD
o-Xylene	0.090	0.50	0.090	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 20:13	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	90.6	70-130		10/6/21 20:13
Toluene-d8	98.2	70-130		10/6/21 20:13
4-Bromofluorobenzene	96.5	70-130		10/6/21 20:13

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0176

Date Received: 10/5/2021

Field Sample #: MW-31D Sampled: 10/1/2021 12:45

Sample ID: 21J0176-07

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 22:49	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 22:49	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 22:49	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 22:49	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 22:49	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	89.4	70-130		10/7/21 22:49
2,5-Dibromotoluene (PID)	93.6	70-130		10/7/21 22:49

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0176

Date Received: 10/5/2021

Field Sample #: MW-19 Sampled: 10/1/2021 13:40

Sample ID: 21J0176-08

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	2500	20	5.2	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
Bromobenzene	ND	20	5.2	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
Bromochloromethane	ND	20	14	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
Bromodichloromethane	ND	20	5.6	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
Bromoform	ND	40	12	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
Bromomethane	ND	200	43	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
n-Butylbenzene	ND	20	5.6	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
sec-Butylbenzene	ND	20	4.0	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
tert-Butylbenzene	ND	20	3.6	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
Carbon Tetrachloride	ND	20	6.8	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
Chlorobenzene	ND	20	3.2	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
Chlorodibromomethane	ND	20	6.4	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
Chloroethane	ND	20	15	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
Chloroform	ND	20	7.6	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
Chloromethane	ND	24	15	µg/L	40	L-04	SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
2-Chlorotoluene	ND	20	3.6	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
4-Chlorotoluene	ND	20	4.0	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	200	29	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
1,2-Dibromoethane (EDB)	ND	20	6.0	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
Dibromomethane	ND	40	12	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
1,2-Dichlorobenzene	ND	20	4.0	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
1,3-Dichlorobenzene	ND	20	3.6	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
1,4-Dichlorobenzene	ND	20	4.4	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
Dichlorodifluoromethane (Freon 12)	ND	20	8.0	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
1,1-Dichloroethane	ND	20	6.4	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
1,2-Dichloroethane	ND	20	13	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
1,1-Dichloroethylene	ND	20	6.4	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
cis-1,2-Dichloroethylene	ND	20	6.0	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
trans-1,2-Dichloroethylene	ND	20	6.8	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
1,2-Dichloropropane	ND	20	7.2	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
1,3-Dichloropropane	ND	20	4.8	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
2,2-Dichloropropane	ND	20	12	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
1,1-Dichloropropene	ND	20	10	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
cis-1,3-Dichloropropene	ND	20	4.8	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
trans-1,3-Dichloropropene	ND	20	6.0	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
Diisopropyl Ether (DIPE)	160	20	6.0	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
Ethylbenzene	140	20	3.6	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
Hexachlorobutadiene	ND	24	16	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
Isopropylbenzene (Cumene)	ND	20	4.0	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
Methyl tert-Butyl Ether (MTBE)	42	20	6.8	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
Methylene Chloride	ND	200	12	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
Naphthalene	48	20	6.0	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
n-Propylbenzene	7.2	20	3.2	µg/L	40	J	SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
Styrene	ND	20	3.2	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0176

Date Received: 10/5/2021

Field Sample #: MW-19 Sampled: 10/1/2021 13:40

Sample ID: 21J0176-08

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	20	5.6	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
1,1,2,2-Tetrachloroethane	ND	20	3.6	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
Tetrachloroethylene	ND	20	8.0	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
Toluene	4000	20	4.4	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
1,2,3-Trichlorobenzene	ND	40	5.6	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
1,2,4-Trichlorobenzene	ND	20	6.4	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
1,1,1-Trichloroethane	ND	20	6.8	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
1,1,2-Trichloroethane	ND	20	6.0	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
Trichloroethylene	ND	20	7.2	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
Trichlorofluoromethane (Freon 11)	ND	20	7.6	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
1,2,3-Trichloropropane	ND	20	12	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
1,2,4-Trimethylbenzene	230	20	4.0	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
1,3,5-Trimethylbenzene	66	20	4.0	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
Vinyl Chloride	ND	20	8.0	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
m+p Xylene	1700	40	7.2	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD
o-Xylene	980	20	3.6	µg/L	40		SM21-23 6200B	10/6/21	10/6/21 21:57	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	86.9	70-130		10/6/21 21:57
Toluene-d8	96.8	70-130		10/6/21 21:57
4-Bromofluorobenzene	97.8	70-130		10/6/21 21:57

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0176

Date Received: 10/5/2021

Field Sample #: MW-19 Sampled: 10/1/2021 13:40

Sample ID: 21J0176-08

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	20000	1000	µg/L	10		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 3:14	KMB
C5-C8 Aliphatics	12000	1000	µg/L	10		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 3:14	KMB
Unadjusted C9-C12 Aliphatics	5400	1000	µg/L	10		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 3:14	KMB
C9-C12 Aliphatics	ND	1000	µg/L	10		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 3:14	KMB
C9-C10 Aromatics	1400	1000	µg/L	10		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 3:14	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	85.6	70-130		10/8/21 3:14
2,5-Dibromotoluene (PID)	103	70-130		10/8/21 3:14

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0176

Date Received: 10/5/2021

Field Sample #: MW-81D Sampled: 10/1/2021 14:45

Sample ID: 21J0176-09

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
Ethylbenzene	0.13	0.50	0.090	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0176

Date Received: 10/5/2021

Field Sample #: MW-81D Sampled: 10/1/2021 14:45

Sample ID: 21J0176-09

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
Toluene	0.43	0.50	0.11	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
m+p Xylene	0.53	1.0	0.18	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 20:39	LBD
o-Xylene	0.19	0.50	0.090	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 20:39	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	90.6	70-130		10/6/21 20:39
Toluene-d8	98.4	70-130		10/6/21 20:39
4-Bromofluorobenzene	98.5	70-130		10/6/21 20:39

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0176

Date Received: 10/5/2021

Field Sample #: MW-81D Sampled: 10/1/2021 14:45

Sample ID: 21J0176-09

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 23:18	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 23:18	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 23:18	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 23:18	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 23:18	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	98.3	70-130		10/7/21 23:18
2,5-Dibromotoluene (PID)	106	70-130		10/7/21 23:18

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0176

Date Received: 10/5/2021

Field Sample #: DUP-1-20211001 Sampled: 10/1/2021 14:45

Sample ID: 21J0176-10

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0176

Date Received: 10/5/2021

Field Sample #: DUP-1-20211001 Sampled: 10/1/2021 14:45

Sample ID: 21J0176-10

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 21:05	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	87.8	70-130		10/6/21 21:05
Toluene-d8	96.9	70-130		10/6/21 21:05
4-Bromofluorobenzene	95.2	70-130		10/6/21 21:05

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0176

Date Received: 10/5/2021

Field Sample #: DUP-1-20211001 Sampled: 10/1/2021 14:45

Sample ID: 21J0176-10

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 23:48	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 23:48	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 23:48	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 23:48	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 23:48	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	80.9	70-130		10/7/21 23:48
2,5-Dibromotoluene (PID)	101	70-130		10/7/21 23:48

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Sample Extraction Data

Prep Method: MA VPH **Analytical Method: MADEP-VPH-Feb 2018 Rev 2.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21J0176-01 [MW-84]	B291945	5	5.00	10/07/21
21J0176-02 [MW-16D]	B291945	5	5.00	10/07/21
21J0176-03 [MW-21]	B291945	2.5	5.00	10/07/21
21J0176-04 [MW-79D]	B291945	5	5.00	10/07/21
21J0176-05 [MW-23]	B291945	5	5.00	10/07/21
21J0176-06 [MW-31]	B291945	5	5.00	10/07/21
21J0176-07 [MW-31D]	B291945	5	5.00	10/07/21
21J0176-08 [MW-19]	B291945	0.5	5.00	10/07/21
21J0176-09 [MW-81D]	B291945	5	5.00	10/07/21
21J0176-10 [DUP-1-20211001]	B291945	5	5.00	10/07/21

Prep Method: SW-846 5030B **Analytical Method: SM21-23 6200B**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21J0176-01 [MW-84]	B291847	5	5.00	10/06/21
21J0176-02 [MW-16D]	B291847	5	5.00	10/06/21
21J0176-03 [MW-21]	B291847	0.5	5.00	10/06/21
21J0176-04 [MW-79D]	B291847	5	5.00	10/06/21
21J0176-05 [MW-23]	B291847	5	5.00	10/06/21
21J0176-06 [MW-31]	B291847	5	5.00	10/06/21
21J0176-07 [MW-31D]	B291847	5	5.00	10/06/21
21J0176-08 [MW-19]	B291847	0.125	5.00	10/06/21
21J0176-09 [MW-81D]	B291847	5	5.00	10/06/21
21J0176-10 [DUP-1-20211001]	B291847	5	5.00	10/06/21

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291847 - SW-846 5030B										
Blank (B291847-BLK1)				Prepared & Analyzed: 10/06/21						
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromochloromethane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	2.0	µg/L							
n-Butylbenzene	ND	0.50	µg/L							
sec-Butylbenzene	ND	0.50	µg/L							
tert-Butylbenzene	ND	0.50	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							L-04
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
Naphthalene	ND	0.50	µg/L							
n-Propylbenzene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
1,2,3-Trichlorobenzene	ND	1.0	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291847 - SW-846 5030B												
Blank (B291847-BLK1)				Prepared & Analyzed: 10/06/21								
Trichloroethylene	ND	0.50	µg/L									
Trichlorofluoromethane (Freon 11)	ND	0.50	µg/L									
1,2,3-Trichloropropane	ND	0.50	µg/L									
1,2,4-Trimethylbenzene	ND	0.50	µg/L									
1,3,5-Trimethylbenzene	ND	0.50	µg/L									
Vinyl Chloride	ND	0.50	µg/L									
m+p Xylene	ND	1.0	µg/L									
o-Xylene	ND	0.50	µg/L									
Surrogate: 1,2-Dichloroethane-d4	*22.2*		µg/L	25.0		88.9		70-130				
Surrogate: Toluene-d8	*24.4*		µg/L	25.0		97.4		70-130				
Surrogate: 4-Bromofluorobenzene	*23.9*		µg/L	25.0		95.4		70-130				
LCS (B291847-BS1)				Prepared & Analyzed: 10/06/21								
Benzene	9.71	0.50	µg/L	10.0		97.1		70-130				
Bromobenzene	10.9	0.50	µg/L	10.0		109		70-130				
Bromochloromethane	10.7	0.50	µg/L	10.0		107		70-130				
Bromodichloromethane	10.6	0.50	µg/L	10.0		106		70-130				
Bromoform	10.4	0.50	µg/L	10.0		104		70-130				
Bromomethane	14.5	2.0	µg/L	10.0		**145**	*	60-140			L-07	†
n-Butylbenzene	9.58	0.50	µg/L	10.0		95.8		70-130				
sec-Butylbenzene	9.65	0.50	µg/L	10.0		96.5		70-130				
tert-Butylbenzene	10.5	0.50	µg/L	10.0		105		70-130				
Carbon Tetrachloride	10.7	0.50	µg/L	10.0		107		70-130				
Chlorobenzene	10.5	0.50	µg/L	10.0		105		70-130				
Chlorodibromomethane	10.7	0.50	µg/L	10.0		107		70-130				
Chloroethane	9.60	0.50	µg/L	10.0		96.0		60-140				
Chloroform	9.56	0.50	µg/L	10.0		95.6		70-130				
Chloromethane	3.49	0.60	µg/L	10.0		**34.9**	*	60-140			L-04	†
2-Chlorotoluene	10.4	0.50	µg/L	10.0		104		70-130				
4-Chlorotoluene	10.4	0.50	µg/L	10.0		104		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	10.2	5.0	µg/L	10.0		102		70-130				
1,2-Dibromoethane (EDB)	11.7	0.50	µg/L	10.0		117		70-130				
Dibromomethane	11.5	1.0	µg/L	10.0		115		70-130				
1,2-Dichlorobenzene	9.89	0.50	µg/L	10.0		98.9		70-130				
1,3-Dichlorobenzene	9.99	0.50	µg/L	10.0		99.9		70-130				
1,4-Dichlorobenzene	9.87	0.50	µg/L	10.0		98.7		70-130				
Dichlorodifluoromethane (Freon 12)	11.2	0.50	µg/L	10.0		112		60-140				†
1,1-Dichloroethane	9.83	0.50	µg/L	10.0		98.3		70-130				
1,2-Dichloroethane	11.2	0.50	µg/L	10.0		112		70-130				
1,1-Dichloroethylene	9.07	0.50	µg/L	10.0		90.7		70-130				
cis-1,2-Dichloroethylene	9.43	0.50	µg/L	10.0		94.3		70-130				
trans-1,2-Dichloroethylene	10.1	0.50	µg/L	10.0		101		70-130				
1,2-Dichloropropane	10.4	0.50	µg/L	10.0		104		70-130				
1,3-Dichloropropane	11.3	0.50	µg/L	10.0		113		70-130				
2,2-Dichloropropane	10.1	0.50	µg/L	10.0		101		70-130				†
1,1-Dichloropropene	10.8	0.50	µg/L	10.0		108		70-130				
cis-1,3-Dichloropropene	11.3	0.50	µg/L	10.0		113		70-130				
trans-1,3-Dichloropropene	11.3	0.50	µg/L	10.0		113		70-130				
Diisopropyl Ether (DIPE)	7.28	0.50	µg/L	10.0		72.8		70-130				
Ethylbenzene	11.0	0.50	µg/L	10.0		110		70-130				
Hexachlorobutadiene	10.4	0.60	µg/L	10.0		104		70-130				
Isopropylbenzene (Cumene)	10.7	0.50	µg/L	10.0		107		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291847 - SW-846 5030B												
LCS (B291847-BS1)				Prepared & Analyzed: 10/06/21								
Methyl tert-Butyl Ether (MTBE)	9.99	0.50	µg/L	10.0		99.9		70-130				
Methylene Chloride	7.46	5.0	µg/L	10.0		74.6		70-130				
Naphthalene	8.14	0.50	µg/L	10.0		81.4		70-130				†
n-Propylbenzene	10.3	0.50	µg/L	10.0		103		70-130				
Styrene	10.8	0.50	µg/L	10.0		108		70-130				
1,1,1,2-Tetrachloroethane	11.3	0.50	µg/L	10.0		113		70-130				
1,1,2,2-Tetrachloroethane	10.8	0.50	µg/L	10.0		108		70-130				
Tetrachloroethylene	11.3	0.50	µg/L	10.0		113		70-130				
Toluene	10.7	0.50	µg/L	10.0		107		70-130				
1,2,3-Trichlorobenzene	8.53	1.0	µg/L	10.0		85.3		70-130				
1,2,4-Trichlorobenzene	9.48	0.50	µg/L	10.0		94.8		70-130				
1,1,1-Trichloroethane	10.3	0.50	µg/L	10.0		103		70-130				
1,1,2-Trichloroethane	11.2	0.50	µg/L	10.0		112		70-130				
Trichloroethylene	11.2	0.50	µg/L	10.0		112		70-130				
Trichlorofluoromethane (Freon 11)	9.31	0.50	µg/L	10.0		93.1		70-130				
1,2,3-Trichloropropane	12.2	0.50	µg/L	10.0		122		70-130				
1,2,4-Trimethylbenzene	10.4	0.50	µg/L	10.0		104		70-130				
1,3,5-Trimethylbenzene	10.8	0.50	µg/L	10.0		108		70-130				
Vinyl Chloride	8.80	0.50	µg/L	10.0		88.0		60-140				†
m+p Xylene	22.2	1.0	µg/L	20.0		111		70-130				
o-Xylene	10.9	0.50	µg/L	10.0		109		70-130				
Surrogate: 1,2-Dichloroethane-d4	*21.8*		µg/L	25.0		87.4		70-130				
Surrogate: Toluene-d8	*24.3*		µg/L	25.0		97.3		70-130				
Surrogate: 4-Bromofluorobenzene	*24.4*		µg/L	25.0		97.7		70-130				
LCS Dup (B291847-BSD1)				Prepared & Analyzed: 10/06/21								
Benzene	9.72	0.50	µg/L	10.0		97.2		70-130	0.103	25		
Bromobenzene	11.0	0.50	µg/L	10.0		110		70-130	1.10	25		
Bromochloromethane	10.7	0.50	µg/L	10.0		107		70-130	0.0937	25		
Bromodichloromethane	10.8	0.50	µg/L	10.0		108		70-130	1.40	25		
Bromoform	11.1	0.50	µg/L	10.0		111		70-130	6.49	25		
Bromomethane	14.0	2.0	µg/L	10.0		140		60-140	3.65	25		†
n-Butylbenzene	9.27	0.50	µg/L	10.0		92.7		70-130	3.29	25		
sec-Butylbenzene	9.65	0.50	µg/L	10.0		96.5		70-130	0.00	25		
tert-Butylbenzene	10.4	0.50	µg/L	10.0		104		70-130	0.767	25		
Carbon Tetrachloride	10.6	0.50	µg/L	10.0		106		70-130	0.564	25		
Chlorobenzene	10.4	0.50	µg/L	10.0		104		70-130	0.287	25		
Chlorodibromomethane	11.2	0.50	µg/L	10.0		112		70-130	4.29	25		
Chloroethane	8.83	0.50	µg/L	10.0		88.3		60-140	8.36	25		
Chloroform	9.32	0.50	µg/L	10.0		93.2		70-130	2.54	25		
Chloromethane	3.44	0.60	µg/L	10.0		**34.4**	*	60-140	1.44	25	L-04	†
2-Chlorotoluene	10.2	0.50	µg/L	10.0		102		70-130	2.33	25		
4-Chlorotoluene	10.5	0.50	µg/L	10.0		105		70-130	0.763	25		
1,2-Dibromo-3-chloropropane (DBCP)	9.93	5.0	µg/L	10.0		99.3		70-130	2.58	25		
1,2-Dibromoethane (EDB)	11.3	0.50	µg/L	10.0		113		70-130	2.87	25		
Dibromomethane	11.7	1.0	µg/L	10.0		117		70-130	1.64	25		
1,2-Dichlorobenzene	9.85	0.50	µg/L	10.0		98.5		70-130	0.405	25		
1,3-Dichlorobenzene	9.89	0.50	µg/L	10.0		98.9		70-130	1.01	25		
1,4-Dichlorobenzene	9.99	0.50	µg/L	10.0		99.9		70-130	1.21	25		
Dichlorodifluoromethane (Freon 12)	10.7	0.50	µg/L	10.0		107		60-140	4.30	25		†
1,1-Dichloroethane	9.50	0.50	µg/L	10.0		95.0		70-130	3.41	25		
1,2-Dichloroethane	11.3	0.50	µg/L	10.0		113		70-130	0.622	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291847 - SW-846 5030B												
LCS Dup (B291847-BSD1)				Prepared & Analyzed: 10/06/21								
1,1-Dichloroethylene	9.07	0.50	µg/L	10.0		90.7		70-130	0.00	25		
cis-1,2-Dichloroethylene	9.19	0.50	µg/L	10.0		91.9		70-130	2.58	25		
trans-1,2-Dichloroethylene	9.71	0.50	µg/L	10.0		97.1		70-130	3.64	25		
1,2-Dichloropropane	10.6	0.50	µg/L	10.0		106		70-130	1.81	25		
1,3-Dichloropropane	11.6	0.50	µg/L	10.0		116		70-130	2.62	25		
2,2-Dichloropropane	9.97	0.50	µg/L	10.0		99.7		70-130	1.59	25		†
1,1-Dichloropropene	10.2	0.50	µg/L	10.0		102		70-130	5.04	25		
cis-1,3-Dichloropropene	11.2	0.50	µg/L	10.0		112		70-130	0.356	25		
trans-1,3-Dichloropropene	11.2	0.50	µg/L	10.0		112		70-130	0.444	25		
Diisopropyl Ether (DIPE)	7.13	0.50	µg/L	10.0		71.3		70-130	2.08	25		
Ethylbenzene	11.2	0.50	µg/L	10.0		112		70-130	1.90	25		
Hexachlorobutadiene	10.1	0.60	µg/L	10.0		101		70-130	2.15	25		
Isopropylbenzene (Cumene)	10.7	0.50	µg/L	10.0		107		70-130	0.187	25		
Methyl tert-Butyl Ether (MTBE)	10.1	0.50	µg/L	10.0		101		70-130	1.49	25		
Methylene Chloride	7.42	5.0	µg/L	10.0		74.2		70-130	0.538	25		
Naphthalene	8.54	0.50	µg/L	10.0		85.4		70-130	4.80	25		†
n-Propylbenzene	10.2	0.50	µg/L	10.0		102		70-130	0.681	25		
Styrene	10.7	0.50	µg/L	10.0		107		70-130	0.838	25		
1,1,1,2-Tetrachloroethane	11.5	0.50	µg/L	10.0		115		70-130	1.76	25		
1,1,2,2-Tetrachloroethane	11.0	0.50	µg/L	10.0		110		70-130	1.47	25		
Tetrachloroethylene	11.3	0.50	µg/L	10.0		113		70-130	0.177	25		
Toluene	10.7	0.50	µg/L	10.0		107		70-130	0.373	25		
1,2,3-Trichlorobenzene	8.72	1.0	µg/L	10.0		87.2		70-130	2.20	25		
1,2,4-Trichlorobenzene	9.84	0.50	µg/L	10.0		98.4		70-130	3.73	25		
1,1,1-Trichloroethane	10.1	0.50	µg/L	10.0		101		70-130	1.97	25		
1,1,2-Trichloroethane	11.3	0.50	µg/L	10.0		113		70-130	1.33	25		
Trichloroethylene	11.7	0.50	µg/L	10.0		117		70-130	4.80	25		
Trichlorofluoromethane (Freon 11)	9.34	0.50	µg/L	10.0		93.4		70-130	0.322	25		
1,2,3-Trichloropropane	13.1	0.50	µg/L	10.0		**131**	*	70-130	7.66	25	L-07	
1,2,4-Trimethylbenzene	10.2	0.50	µg/L	10.0		102		70-130	2.04	25		
1,3,5-Trimethylbenzene	11.0	0.50	µg/L	10.0		110		70-130	2.20	25		
Vinyl Chloride	8.64	0.50	µg/L	10.0		86.4		60-140	1.83	25		†
m+p Xylene	22.2	1.0	µg/L	20.0		111		70-130	0.0903	25		
o-Xylene	10.8	0.50	µg/L	10.0		108		70-130	0.925	25		
Surrogate: 1,2-Dichloroethane-d4	*21.6*		µg/L	25.0		86.4		70-130				
Surrogate: Toluene-d8	*24.6*		µg/L	25.0		98.4		70-130				
Surrogate: 4-Bromofluorobenzene	*25.0*		µg/L	25.0		99.8		70-130				

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291945 - MA VPH										
Blank (B291945-BLK1)				Prepared & Analyzed: 10/07/21						
Unadjusted C5-C8 Aliphatics	ND	100	µg/L							
C5-C8 Aliphatics	ND	100	µg/L							
Unadjusted C9-C12 Aliphatics	ND	100	µg/L							
C9-C12 Aliphatics	ND	100	µg/L							
C9-C10 Aromatics	ND	100	µg/L							
Benzene	ND	1.0	µg/L							
Butylcyclohexane	ND	1.0	µg/L							
Decane	ND	1.0	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
2-Methylpentane	ND	1.0	µg/L							
Naphthalene	ND	5.0	µg/L							
Nonane	ND	1.0	µg/L							
Pentane	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
2,2,4-Trimethylpentane	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 2,5-Dibromotoluene (FID)	*31.8*		µg/L	40.0		79.6	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*34.0*		µg/L	40.0		84.9	70-130			
LCS (B291945-BS1)				Prepared & Analyzed: 10/07/21						
Benzene	47.5	1.0	µg/L	50.0		95.1	70-130			
Butylcyclohexane	58.8	1.0	µg/L	50.0		118	70-130			
Decane	43.5	1.0	µg/L	50.0		87.0	70-130			
Ethylbenzene	47.6	1.0	µg/L	50.0		95.3	70-130			
Methyl tert-Butyl Ether (MTBE)	48.8	1.0	µg/L	50.0		97.7	70-130			
2-Methylpentane	43.5	1.0	µg/L	50.0		87.0	70-130			
Naphthalene	51.9	5.0	µg/L	50.0		104	70-130			
Nonane	59.1	1.0	µg/L	50.0		118	70-130			
Pentane	44.4	1.0	µg/L	50.0		88.7	70-130			
Toluene	47.2	1.0	µg/L	50.0		94.5	70-130			
1,2,4-Trimethylbenzene	46.2	1.0	µg/L	50.0		92.4	70-130			
2,2,4-Trimethylpentane	39.2	1.0	µg/L	50.0		78.5	70-130			
m+p Xylene	94.6	2.0	µg/L	100		94.6	70-130			
o-Xylene	48.0	1.0	µg/L	50.0		96.0	70-130			
Surrogate: 2,5-Dibromotoluene (FID)	*47.8*		µg/L	40.0		120	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*46.1*		µg/L	40.0		115	70-130			
LCS Dup (B291945-BSD1)				Prepared & Analyzed: 10/07/21						
Benzene	47.4	1.0	µg/L	50.0		94.8	70-130	0.263	25	
Butylcyclohexane	58.0	1.0	µg/L	50.0		116	70-130	1.41	25	
Decane	42.0	1.0	µg/L	50.0		84.1	70-130	3.46	25	
Ethylbenzene	47.0	1.0	µg/L	50.0		94.1	70-130	1.28	25	
Methyl tert-Butyl Ether (MTBE)	49.5	1.0	µg/L	50.0		99.1	70-130	1.43	25	
2-Methylpentane	41.9	1.0	µg/L	50.0		83.8	70-130	3.73	25	
Naphthalene	52.0	5.0	µg/L	50.0		104	70-130	0.214	25	
Nonane	58.0	1.0	µg/L	50.0		116	70-130	1.94	25	
Pentane	42.5	1.0	µg/L	50.0		85.0	70-130	4.30	25	
Toluene	47.1	1.0	µg/L	50.0		94.2	70-130	0.314	25	
1,2,4-Trimethylbenzene	46.0	1.0	µg/L	50.0		92.0	70-130	0.377	25	

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291945 - MA VPH										
LCS Dup (B291945-BSD1)				Prepared & Analyzed: 10/07/21						
2,2,4-Trimethylpentane	37.2	1.0	µg/L	50.0		74.4	70-130	5.25	25	
m+p Xylene	94.0	2.0	µg/L	100		94.0	70-130	0.646	25	
o-Xylene	47.9	1.0	µg/L	50.0		95.8	70-130	0.129	25	
Surrogate: 2,5-Dibromotoluene (FID)	*39.3*		µg/L	40.0		98.3	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*45.0*		µg/L	40.0		113	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
RL-05	Elevated reporting limit due to high concentration of target compounds. MA CAM reporting limit not met.
RL-11	Elevated reporting limit due to high concentration of target compounds.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
MADEP-VPH-Feb 2018 Rev 2.1 in Water	
Unadjusted C5-C8 Aliphatics	CT,NC,ME,NH-P
C5-C8 Aliphatics	CT,NC,ME,NH-P
Unadjusted C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C10 Aromatics	CT,NC,ME,NH-P
Benzene	CT,NC,ME,NH-P
Ethylbenzene	CT,NC,ME,NH-P
Methyl tert-Butyl Ether (MTBE)	CT,NC,ME,NH-P
Naphthalene	CT,NC,ME,NH-P
Toluene	CT,NC,ME,NH-P
m+p Xylene	CT,NC,ME,NH-P
o-Xylene	CT,NC,ME,NH-P
SM21-23 6200B in Water	
Benzene	NC
Bromobenzene	NC
Bromochloromethane	NC
Bromodichloromethane	NC
Bromoform	NC
Bromomethane	NC
n-Butylbenzene	NC
sec-Butylbenzene	NC
tert-Butylbenzene	NC
Carbon Tetrachloride	NC
Chlorobenzene	NC
Chlorodibromomethane	NC
Chloroethane	NC
Chloroform	NC
Chloromethane	NC
2-Chlorotoluene	NC
4-Chlorotoluene	NC
1,2-Dibromoethane (EDB)	NC
1,2-Dichlorobenzene	NC
1,3-Dichlorobenzene	NC
1,4-Dichlorobenzene	NC
Dichlorodifluoromethane (Freon 12)	NC
1,1-Dichloroethane	NC
1,2-Dichloroethane	NC
1,1-Dichloroethylene	NC
cis-1,2-Dichloroethylene	NC
trans-1,2-Dichloroethylene	NC
1,2-Dichloropropane	NC
1,3-Dichloropropane	NC
2,2-Dichloropropane	NC
1,1-Dichloropropene	NC
cis-1,3-Dichloropropene	NC
trans-1,3-Dichloropropene	NC

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SM21-23 6200B in Water	
Diisopropyl Ether (DIPE)	NC
Ethylbenzene	NC
Isopropylbenzene (Cumene)	NC
Methyl tert-Butyl Ether (MTBE)	NC
Methylene Chloride	NC
Naphthalene	NC
n-Propylbenzene	NC
Styrene	NC
1,1,2,2-Tetrachloroethane	NC
Tetrachloroethylene	NC
Toluene	NC
1,2,3-Trichlorobenzene	NC
1,2,4-Trichlorobenzene	NC
1,1,1-Trichloroethane	NC
1,1,2-Trichloroethane	NC
Trichloroethylene	NC
Trichlorofluoromethane (Freon 11)	NC
1,2,3-Trichloropropane	NC
1,2,4-Trimethylbenzene	NC
1,3,5-Trimethylbenzene	NC
Vinyl Chloride	NC
m+p Xylene	NC
o-Xylene	NC

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

Internal Transfer Chain of Custody 2150176

Pace Analytical® www.pacelabs.com

☐ Samples Pre-Logged into eCOC.

State Of Origin: NC
Cert. Needed: [X] Yes ☐ No
Owner Received Date: 10/1/2021 Results Requested By: 10/6/2021

Workorder: 92564485 **Workorder Name:** CPC HUNTERSVILLE - 60639876

Report To	Subcontract To
Bonnie Vang Pace Analytical Charlotte 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 Phone (704)875-9092	Pace New England 39 Spruce St. East Longmeadow, MA 01028 Phone (413)525-2332

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HCl						Requested Analysis: 6200B	NC VPH											LAB USE ONLY
1	MW-84	PS	10/1/2021 08:45	92564485001	Water	7						X	X											
2	MW-16D	PS	10/1/2021 09:15	92564485002	Water	7						X	X											
3	MW-21	PS	10/1/2021 08:40	92564485003	Water	7						X	X											
4	MW-79D	PS	10/1/2021 10:50	92564485004	Water	7						X	X											
5	MW-23	PS	10/1/2021 11:00	92564485005	Water	7						X	X											
6	MW-31	PS	10/1/2021 12:30	92564485006	Water	7						X	X											
7	MW-31D	PS	10/1/2021 12:45	92564485007	Water	7						X	X											
8	MW-19	PS	10/1/2021 13:40	92564485008	Water	7						X	X											
9	MW-81D	PS	10/1/2021 14:45	92564485009	Water	7						X	X											
10	DUP-1-20211001	PS	10/1/2021 14:45	92564485010	Water	7						X	X											
11	TRIP BLANK	PS	10/1/2021 00:00	92564485011	Water	2						X												

Transfers	Released By	Date/Time	Received By	Date/Time
1	KS Pace HVL	10/4/21 1600		10/5 1014
2				
3				

Comments: Project was not received with trip blanks

Cooler Temperature on Receipt 5.1 °C | **Custody Seal** Y or (N) | **Received on Ice** (Y) or N | **Samples Intact** (Y) or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.*

FedEx

TRACK ANOTHER SHIPMENT

987548461236

ADD NICKNAME

Delivered
Tuesday, October 5, 2021 at 10:14 am

DELIVERED

Signed for by: P.PATRATUS

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM	TO
Huntersville, NC US	EAST LONGMEADOW, MA US

Travel History

TIME ZONE
Local Scan Time

Tuesday, October 5, 2021

10:14 AM	EAST LONGMEADOW, MA	Delivered
8:38 AM	WINDSOR LOCKS, CT	On FedEx vehicle for delivery
8:29 AM	WINDSOR LOCKS, CT	At local FedEx facility
7:31 AM	EAST GRANBY, CT	At destination sort facility
5:40 AM	INDIANAPOLIS, IN	Departed FedEx hub
12:26 AM	INDIANAPOLIS, IN	Arrived at FedEx hub

Monday, October 4, 2021

8:51 PM	CONCORD, NC	Left FedEx origin facility
5:39 PM	CONCORD, NC	Picked up
3:58 PM		Shipment information sent to FedEx

Shipment Facts

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Pace NC

Received By MP Date 12/15 Time 1014

How were the samples received? In Cooler T No Cooler ____ On Ice T No Ice ____ Direct from Sampling ____ Ambient ____ Melted Ice ____

Were samples within Temperature? 2-6°C T By Gun # 3 Actual Temp - 5.4 By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Project T Analysis T ID's T Sampler Name T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? ____

Are there Rushes? F Who was notified? ____

Are there Short Holds? F Who was notified? ____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? T

Do all samples have the proper pH? NA Acid ____ Base ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-	40	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 11, 2021

Andrew Wreschnig
AECOM
6000 Fairview Road
Suite 200
Charlotte, NC 28210

RE: Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564488

Dear Andrew Wreschnig:

Enclosed are the analytical results for sample(s) received by the laboratory on October 01, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Teresa Amentt Jennings, AECOM
Jeff Morrison, Colonial Pipeline Company

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Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564488

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

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SAMPLE SUMMARY

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564488

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92564488001	**MW-14**	Water	10/01/21 08:45	10/01/21 16:05
92564488002	**MW-51**	Water	10/01/21 10:35	10/01/21 16:05
92564488003	**MW-45**	Water	10/01/21 12:45	10/01/21 16:05
92564488004	**MW-49**	Water	10/01/21 14:30	10/01/21 16:05

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SAMPLE ANALYTE COUNT

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564488

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92564488001	**MW-14**	EPA 6010D	CBV	1	PASI-A
92564488002	**MW-51**	EPA 6010D	CBV	1	PASI-A
92564488003	**MW-45**	EPA 6010D	CBV	1	PASI-A
92564488004	**MW-49**	EPA 6010D	CBV	1	PASI-A

PASI-A = Pace Analytical Services - Asheville

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564488

Sample: MW-14 **Lab ID: 92564488001** Collected: 10/01/21 08:45 Received: 10/01/21 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/04/21 12:21	10/06/21 04:20	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564488

Sample: MW-51 **Lab ID: 92564488002** Collected: 10/01/21 10:35 Received: 10/01/21 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/04/21 12:21	10/06/21 04:23	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564488

Sample: MW-45 **Lab ID: 92564488003** Collected: 10/01/21 12:45 Received: 10/01/21 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	**10.8**	ug/L	5.0	4.5	1	10/04/21 12:21	10/06/21 04:27	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564488

Sample: MW-49 **Lab ID: 92564488004** Collected: 10/01/21 14:30 Received: 10/01/21 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	**4.8J**	ug/L	5.0	4.5	1	10/04/21 12:21	10/06/21 04:30	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564488

QC Batch: 650613
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92564488001, 92564488002, 92564488003, 92564488004

METHOD BLANK: 3412241 Matrix: Water
Associated Lab Samples: 92564488001, 92564488002, 92564488003, 92564488004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	4.5	10/06/21 03:25	

LABORATORY CONTROL SAMPLE: 3412242

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	472	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3412243 3412244

Parameter	Units	92564485001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	489	484	97	96	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
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QUALIFIERS

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564488

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564488

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92564488001	**MW-14**	EPA 3010A	650613	EPA 6010D	650652
92564488002	**MW-51**	EPA 3010A	650613	EPA 6010D	650652
92564488003	**MW-45**	EPA 3010A	650613	EPA 6010D	650652
92564488004	**MW-49**	EPA 3010A	650613	EPA 6010D	650652

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Pace Analytical	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: October 28, 2020 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.07	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☑ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: AECOM

Project #: **WO# : 92564488**

92564488

Courier: ☐ Commercial ☐ Fed Ex ☐ Pace ☐ UPS ☐ USPS ☐ Other: ☑ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☑ No

Date/Initials Person Examining Contents: JB 9/01/21

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Thermometer: ☑ IR Gun ID: 92764 ☑ Wet ☐ Blue ☐ None

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Cooler Temp: 3.6 Correction Factor: Add/Subtract (°C) 0 Type of Ice:

Cooler Temp Corrected (°C): 3.6

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (Internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☑ Yes	☐ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W +				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☑ No	☐ N/A	10.
Trip Blank Present?	☐ Yes	☑ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Trip Blank listed on CoC w not Shipped with Sample.

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

***Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.**

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

****Bottom half of box is to list number of bottles**

Project #

WO#: 92564488

PM: BV **Due Date: 10/06/21**

CLIENT: 92-AECOM CHA

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AGOU-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1						✓ 1										7													
2						✓ 1										7													
3						✓ 1										7													
4						✓ 1										7													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Section A — Required Client Information:

Company:	AECOM
Address:	6000 Fairview Road
	Suite 200, Charlotte, NC 28210
Email:	andrew.wreschnig@aecom.com
Phone:	(704)716-0757 Fax:
Requested Due Date:	3 DAY TAT

Section B — Required Project Information:

Report To:	Andy Wreschnig
Copy To:	
Purchase Order #:	
Project Name:	CPC Huntersville-60639876
Project #:	

Section C — Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote:	60639876
Pace Project Manager:	bonnie.vang@pacelabs.com,
Pace Profile #:	12518-3

Regulatory Agency:

State / Location: NC

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	6200B	VPH	6010-Pb	n-butanol by 6200	Trip BLANK	Residual Chlorine (Y/N)	9756488
1	MW-14	WG				10/1	0845		8			1	7						X	X	X				3DAY TAT (001)
2	MW-51	WG				10/1	1035		8			1	7						X	X	X				002
3	MW-45	WG				10/1	1245		8			1	7						X	X	X				003
4	MW-49	WG				10/1	1430		8			1	7						X	X	X				004
5	TRIP BLANK					Lab	Provided		2				2										X		005
6																									
7																									
8																									
9																									
10																									
11																									
12																									

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
3DAY TAT	Mike de Kozlowski / AECOM	10/1/21	1605	JB Pace HVL	10/01/21	1605	3.8	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Mike de Kozlowski

SIGNATURE of SAMPLER: Mike de Kozlowski DATE Signed: 10/1/21

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
3.8	Y	N	Y

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October 11, 2021

Bonnie Vang
Pace Analytical Services - NC
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078

Project Location: CPC Huntersville-60639876
Client Job Number:
Project Number: 92564488
Laboratory Work Order Number: 21J0175

Enclosed are results of analyses for samples as received by the laboratory on October 5, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Pace Analytical Services - NC
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
ATTN: Bonnie Vang

REPORT DATE: 10/11/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 92564488

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21J0175

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: CPC Huntersville-60639876

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-14	21J0175-01	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-51	21J0175-02	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-45	21J0175-03	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-49	21J0175-04	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method MA VPH only hydrocarbon ranges were requested and reported.

SM21-23 6200B

Qualifications:

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Chloromethane

21J0175-01[MW-14], 21J0175-02[MW-51], 21J0175-03[MW-45], 21J0175-04[MW-49], B291847-BLK1, B291847-BS1, B291847-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

1,2,3-Trichloropropane

B291847-BSD1

Bromomethane

B291847-BS1

MADEP-VPH-Feb 2018 Rev 2.1

No significant modifications were made to the method. All VPH samples were received preserved properly at pH <2 in the proper containers as specified on the chain-of-custody form unless specified in this narrative.

Analytical column used for VPH analysis is Restek, Rtx-502.2, 105meter, 0.53mmID, 3um df. Trap used for VPH analysis is Carbopack B/CarboSieveS-III.

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Daren J. Damboragian
Director of Operations

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0175

Date Received: 10/5/2021

Field Sample #: MW-14 Sampled: 10/1/2021 08:45

Sample ID: 21J0175-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0175

Date Received: 10/5/2021

Field Sample #: MW-14 Sampled: 10/1/2021 08:45

Sample ID: 21J0175-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:52	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	88.5	70-130		10/6/21 15:52
Toluene-d8	97.6	70-130		10/6/21 15:52
4-Bromofluorobenzene	96.9	70-130		10/6/21 15:52

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0175

Date Received: 10/5/2021

Field Sample #: MW-14 Sampled: 10/1/2021 08:45

Sample ID: 21J0175-01

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/8/21 16:29	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/8/21 16:29	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/8/21 16:29	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/8/21 16:29	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/8/21 16:29	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	81.0	70-130		10/8/21 16:29
2,5-Dibromotoluene (PID)	79.1	70-130		10/8/21 16:29

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0175

Date Received: 10/5/2021

Field Sample #: MW-51 Sampled: 10/1/2021 10:35

Sample ID: 21J0175-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0175

Date Received: 10/5/2021

Field Sample #: MW-51 Sampled: 10/1/2021 10:35

Sample ID: 21J0175-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:18	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	88.8	70-130		10/6/21 16:18
Toluene-d8	96.7	70-130		10/6/21 16:18
4-Bromofluorobenzene	95.0	70-130		10/6/21 16:18

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0175

Date Received: 10/5/2021

Field Sample #: MW-51 Sampled: 10/1/2021 10:35

Sample ID: 21J0175-02

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/8/21 16:59	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/8/21 16:59	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/8/21 16:59	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/8/21 16:59	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/8/21 16:59	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	79.0	70-130		10/8/21 16:59
2,5-Dibromotoluene (PID)	83.2	70-130		10/8/21 16:59

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0175

Date Received: 10/5/2021

Field Sample #: MW-45 Sampled: 10/1/2021 12:45

Sample ID: 21J0175-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
Chloroform	0.21	0.50	0.19	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
Diisopropyl Ether (DIPE)	0.20	0.50	0.15	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0175

Date Received: 10/5/2021

Field Sample #: MW-45 Sampled: 10/1/2021 12:45

Sample ID: 21J0175-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 16:44	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	88.9	70-130		10/6/21 16:44
Toluene-d8	98.0	70-130		10/6/21 16:44
4-Bromofluorobenzene	94.8	70-130		10/6/21 16:44

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0175

Date Received: 10/5/2021

Field Sample #: MW-45 Sampled: 10/1/2021 12:45

Sample ID: 21J0175-03

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 19:23	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 19:23	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 19:23	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 19:23	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 19:23	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	81.3	70-130		10/7/21 19:23
2,5-Dibromotoluene (PID)	86.2	70-130		10/7/21 19:23

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0175

Date Received: 10/5/2021

Field Sample #: MW-49 Sampled: 10/1/2021 14:30

Sample ID: 21J0175-04

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	0.19	0.50	0.13	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
Chloroform	0.43	0.50	0.19	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0175

Date Received: 10/5/2021

Field Sample #: MW-49 Sampled: 10/1/2021 14:30

Sample ID: 21J0175-04

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
Toluene	0.48	0.50	0.11	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
m+p Xylene	0.39	1.0	0.18	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 17:10	LBD
o-Xylene	0.19	0.50	0.090	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 17:10	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.2	70-130		10/6/21 17:10
Toluene-d8	96.7	70-130		10/6/21 17:10
4-Bromofluorobenzene	97.6	70-130		10/6/21 17:10

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0175

Date Received: 10/5/2021

Field Sample #: MW-49 Sampled: 10/1/2021 14:30

Sample ID: 21J0175-04

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 19:53	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 19:53	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 19:53	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 19:53	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/7/21 19:53	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	78.6	70-130		10/7/21 19:53
2,5-Dibromotoluene (PID)	78.9	70-130		10/7/21 19:53

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Sample Extraction Data

Prep Method: MA VPH **Analytical Method: MADEP-VPH-Feb 2018 Rev 2.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21J0175-03 [MW-45]	B291945	5	5.00	10/07/21
21J0175-04 [MW-49]	B291945	5	5.00	10/07/21

Prep Method: MA VPH **Analytical Method: MADEP-VPH-Feb 2018 Rev 2.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21J0175-01 [MW-14]	B292045	5	5.00	10/08/21
21J0175-02 [MW-51]	B292045	5	5.00	10/08/21

Prep Method: SW-846 5030B **Analytical Method: SM21-23 6200B**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21J0175-01 [MW-14]	B291847	5	5.00	10/06/21
21J0175-02 [MW-51]	B291847	5	5.00	10/06/21
21J0175-03 [MW-45]	B291847	5	5.00	10/06/21
21J0175-04 [MW-49]	B291847	5	5.00	10/06/21

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291847 - SW-846 5030B										
Blank (B291847-BLK1)				Prepared & Analyzed: 10/06/21						
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromochloromethane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	2.0	µg/L							
n-Butylbenzene	ND	0.50	µg/L							
sec-Butylbenzene	ND	0.50	µg/L							
tert-Butylbenzene	ND	0.50	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							L-04
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
Naphthalene	ND	0.50	µg/L							
n-Propylbenzene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
1,2,3-Trichlorobenzene	ND	1.0	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291847 - SW-846 5030B												
Blank (B291847-BLK1)				Prepared & Analyzed: 10/06/21								
Trichloroethylene	ND	0.50	µg/L									
Trichlorofluoromethane (Freon 11)	ND	0.50	µg/L									
1,2,3-Trichloropropane	ND	0.50	µg/L									
1,2,4-Trimethylbenzene	ND	0.50	µg/L									
1,3,5-Trimethylbenzene	ND	0.50	µg/L									
Vinyl Chloride	ND	0.50	µg/L									
m+p Xylene	ND	1.0	µg/L									
o-Xylene	ND	0.50	µg/L									
Surrogate: 1,2-Dichloroethane-d4	*22.2*		µg/L	25.0		88.9		70-130				
Surrogate: Toluene-d8	*24.4*		µg/L	25.0		97.4		70-130				
Surrogate: 4-Bromofluorobenzene	*23.9*		µg/L	25.0		95.4		70-130				
LCS (B291847-BS1)				Prepared & Analyzed: 10/06/21								
Benzene	9.71	0.50	µg/L	10.0		97.1		70-130				
Bromobenzene	10.9	0.50	µg/L	10.0		109		70-130				
Bromochloromethane	10.7	0.50	µg/L	10.0		107		70-130				
Bromodichloromethane	10.6	0.50	µg/L	10.0		106		70-130				
Bromoform	10.4	0.50	µg/L	10.0		104		70-130				
Bromomethane	14.5	2.0	µg/L	10.0		**145**	*	60-140			L-07	†
n-Butylbenzene	9.58	0.50	µg/L	10.0		95.8		70-130				
sec-Butylbenzene	9.65	0.50	µg/L	10.0		96.5		70-130				
tert-Butylbenzene	10.5	0.50	µg/L	10.0		105		70-130				
Carbon Tetrachloride	10.7	0.50	µg/L	10.0		107		70-130				
Chlorobenzene	10.5	0.50	µg/L	10.0		105		70-130				
Chlorodibromomethane	10.7	0.50	µg/L	10.0		107		70-130				
Chloroethane	9.60	0.50	µg/L	10.0		96.0		60-140				
Chloroform	9.56	0.50	µg/L	10.0		95.6		70-130				
Chloromethane	3.49	0.60	µg/L	10.0		**34.9**	*	60-140			L-04	†
2-Chlorotoluene	10.4	0.50	µg/L	10.0		104		70-130				
4-Chlorotoluene	10.4	0.50	µg/L	10.0		104		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	10.2	5.0	µg/L	10.0		102		70-130				
1,2-Dibromoethane (EDB)	11.7	0.50	µg/L	10.0		117		70-130				
Dibromomethane	11.5	1.0	µg/L	10.0		115		70-130				
1,2-Dichlorobenzene	9.89	0.50	µg/L	10.0		98.9		70-130				
1,3-Dichlorobenzene	9.99	0.50	µg/L	10.0		99.9		70-130				
1,4-Dichlorobenzene	9.87	0.50	µg/L	10.0		98.7		70-130				
Dichlorodifluoromethane (Freon 12)	11.2	0.50	µg/L	10.0		112		60-140				†
1,1-Dichloroethane	9.83	0.50	µg/L	10.0		98.3		70-130				
1,2-Dichloroethane	11.2	0.50	µg/L	10.0		112		70-130				
1,1-Dichloroethylene	9.07	0.50	µg/L	10.0		90.7		70-130				
cis-1,2-Dichloroethylene	9.43	0.50	µg/L	10.0		94.3		70-130				
trans-1,2-Dichloroethylene	10.1	0.50	µg/L	10.0		101		70-130				
1,2-Dichloropropane	10.4	0.50	µg/L	10.0		104		70-130				
1,3-Dichloropropane	11.3	0.50	µg/L	10.0		113		70-130				
2,2-Dichloropropane	10.1	0.50	µg/L	10.0		101		70-130				†
1,1-Dichloropropene	10.8	0.50	µg/L	10.0		108		70-130				
cis-1,3-Dichloropropene	11.3	0.50	µg/L	10.0		113		70-130				
trans-1,3-Dichloropropene	11.3	0.50	µg/L	10.0		113		70-130				
Diisopropyl Ether (DIPE)	7.28	0.50	µg/L	10.0		72.8		70-130				
Ethylbenzene	11.0	0.50	µg/L	10.0		110		70-130				
Hexachlorobutadiene	10.4	0.60	µg/L	10.0		104		70-130				
Isopropylbenzene (Cumene)	10.7	0.50	µg/L	10.0		107		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291847 - SW-846 5030B												
LCS (B291847-BS1)				Prepared & Analyzed: 10/06/21								
Methyl tert-Butyl Ether (MTBE)	9.99	0.50	µg/L	10.0		99.9		70-130				
Methylene Chloride	7.46	5.0	µg/L	10.0		74.6		70-130				
Naphthalene	8.14	0.50	µg/L	10.0		81.4		70-130				†
n-Propylbenzene	10.3	0.50	µg/L	10.0		103		70-130				
Styrene	10.8	0.50	µg/L	10.0		108		70-130				
1,1,1,2-Tetrachloroethane	11.3	0.50	µg/L	10.0		113		70-130				
1,1,2,2-Tetrachloroethane	10.8	0.50	µg/L	10.0		108		70-130				
Tetrachloroethylene	11.3	0.50	µg/L	10.0		113		70-130				
Toluene	10.7	0.50	µg/L	10.0		107		70-130				
1,2,3-Trichlorobenzene	8.53	1.0	µg/L	10.0		85.3		70-130				
1,2,4-Trichlorobenzene	9.48	0.50	µg/L	10.0		94.8		70-130				
1,1,1-Trichloroethane	10.3	0.50	µg/L	10.0		103		70-130				
1,1,2-Trichloroethane	11.2	0.50	µg/L	10.0		112		70-130				
Trichloroethylene	11.2	0.50	µg/L	10.0		112		70-130				
Trichlorofluoromethane (Freon 11)	9.31	0.50	µg/L	10.0		93.1		70-130				
1,2,3-Trichloropropane	12.2	0.50	µg/L	10.0		122		70-130				
1,2,4-Trimethylbenzene	10.4	0.50	µg/L	10.0		104		70-130				
1,3,5-Trimethylbenzene	10.8	0.50	µg/L	10.0		108		70-130				
Vinyl Chloride	8.80	0.50	µg/L	10.0		88.0		60-140				†
m+p Xylene	22.2	1.0	µg/L	20.0		111		70-130				
o-Xylene	10.9	0.50	µg/L	10.0		109		70-130				
Surrogate: 1,2-Dichloroethane-d4	*21.8*		µg/L	25.0		87.4		70-130				
Surrogate: Toluene-d8	*24.3*		µg/L	25.0		97.3		70-130				
Surrogate: 4-Bromofluorobenzene	*24.4*		µg/L	25.0		97.7		70-130				
LCS Dup (B291847-BSD1)				Prepared & Analyzed: 10/06/21								
Benzene	9.72	0.50	µg/L	10.0		97.2		70-130	0.103	25		
Bromobenzene	11.0	0.50	µg/L	10.0		110		70-130	1.10	25		
Bromochloromethane	10.7	0.50	µg/L	10.0		107		70-130	0.0937	25		
Bromodichloromethane	10.8	0.50	µg/L	10.0		108		70-130	1.40	25		
Bromoform	11.1	0.50	µg/L	10.0		111		70-130	6.49	25		
Bromomethane	14.0	2.0	µg/L	10.0		140		60-140	3.65	25		†
n-Butylbenzene	9.27	0.50	µg/L	10.0		92.7		70-130	3.29	25		
sec-Butylbenzene	9.65	0.50	µg/L	10.0		96.5		70-130	0.00	25		
tert-Butylbenzene	10.4	0.50	µg/L	10.0		104		70-130	0.767	25		
Carbon Tetrachloride	10.6	0.50	µg/L	10.0		106		70-130	0.564	25		
Chlorobenzene	10.4	0.50	µg/L	10.0		104		70-130	0.287	25		
Chlorodibromomethane	11.2	0.50	µg/L	10.0		112		70-130	4.29	25		
Chloroethane	8.83	0.50	µg/L	10.0		88.3		60-140	8.36	25		
Chloroform	9.32	0.50	µg/L	10.0		93.2		70-130	2.54	25		
Chloromethane	3.44	0.60	µg/L	10.0		**34.4**	*	60-140	1.44	25	L-04	†
2-Chlorotoluene	10.2	0.50	µg/L	10.0		102		70-130	2.33	25		
4-Chlorotoluene	10.5	0.50	µg/L	10.0		105		70-130	0.763	25		
1,2-Dibromo-3-chloropropane (DBCP)	9.93	5.0	µg/L	10.0		99.3		70-130	2.58	25		
1,2-Dibromoethane (EDB)	11.3	0.50	µg/L	10.0		113		70-130	2.87	25		
Dibromomethane	11.7	1.0	µg/L	10.0		117		70-130	1.64	25		
1,2-Dichlorobenzene	9.85	0.50	µg/L	10.0		98.5		70-130	0.405	25		
1,3-Dichlorobenzene	9.89	0.50	µg/L	10.0		98.9		70-130	1.01	25		
1,4-Dichlorobenzene	9.99	0.50	µg/L	10.0		99.9		70-130	1.21	25		
Dichlorodifluoromethane (Freon 12)	10.7	0.50	µg/L	10.0		107		60-140	4.30	25		†
1,1-Dichloroethane	9.50	0.50	µg/L	10.0		95.0		70-130	3.41	25		
1,2-Dichloroethane	11.3	0.50	µg/L	10.0		113		70-130	0.622	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291847 - SW-846 5030B												
LCS Dup (B291847-BSD1)				Prepared & Analyzed: 10/06/21								
1,1-Dichloroethylene	9.07	0.50	µg/L	10.0		90.7		70-130	0.00	25		
cis-1,2-Dichloroethylene	9.19	0.50	µg/L	10.0		91.9		70-130	2.58	25		
trans-1,2-Dichloroethylene	9.71	0.50	µg/L	10.0		97.1		70-130	3.64	25		
1,2-Dichloropropane	10.6	0.50	µg/L	10.0		106		70-130	1.81	25		
1,3-Dichloropropane	11.6	0.50	µg/L	10.0		116		70-130	2.62	25		
2,2-Dichloropropane	9.97	0.50	µg/L	10.0		99.7		70-130	1.59	25		†
1,1-Dichloropropene	10.2	0.50	µg/L	10.0		102		70-130	5.04	25		
cis-1,3-Dichloropropene	11.2	0.50	µg/L	10.0		112		70-130	0.356	25		
trans-1,3-Dichloropropene	11.2	0.50	µg/L	10.0		112		70-130	0.444	25		
Diisopropyl Ether (DIPE)	7.13	0.50	µg/L	10.0		71.3		70-130	2.08	25		
Ethylbenzene	11.2	0.50	µg/L	10.0		112		70-130	1.90	25		
Hexachlorobutadiene	10.1	0.60	µg/L	10.0		101		70-130	2.15	25		
Isopropylbenzene (Cumene)	10.7	0.50	µg/L	10.0		107		70-130	0.187	25		
Methyl tert-Butyl Ether (MTBE)	10.1	0.50	µg/L	10.0		101		70-130	1.49	25		
Methylene Chloride	7.42	5.0	µg/L	10.0		74.2		70-130	0.538	25		
Naphthalene	8.54	0.50	µg/L	10.0		85.4		70-130	4.80	25		†
n-Propylbenzene	10.2	0.50	µg/L	10.0		102		70-130	0.681	25		
Styrene	10.7	0.50	µg/L	10.0		107		70-130	0.838	25		
1,1,1,2-Tetrachloroethane	11.5	0.50	µg/L	10.0		115		70-130	1.76	25		
1,1,2,2-Tetrachloroethane	11.0	0.50	µg/L	10.0		110		70-130	1.47	25		
Tetrachloroethylene	11.3	0.50	µg/L	10.0		113		70-130	0.177	25		
Toluene	10.7	0.50	µg/L	10.0		107		70-130	0.373	25		
1,2,3-Trichlorobenzene	8.72	1.0	µg/L	10.0		87.2		70-130	2.20	25		
1,2,4-Trichlorobenzene	9.84	0.50	µg/L	10.0		98.4		70-130	3.73	25		
1,1,1-Trichloroethane	10.1	0.50	µg/L	10.0		101		70-130	1.97	25		
1,1,2-Trichloroethane	11.3	0.50	µg/L	10.0		113		70-130	1.33	25		
Trichloroethylene	11.7	0.50	µg/L	10.0		117		70-130	4.80	25		
Trichlorofluoromethane (Freon 11)	9.34	0.50	µg/L	10.0		93.4		70-130	0.322	25		
1,2,3-Trichloropropane	13.1	0.50	µg/L	10.0		**131**	*	70-130	7.66	25	L-07	
1,2,4-Trimethylbenzene	10.2	0.50	µg/L	10.0		102		70-130	2.04	25		
1,3,5-Trimethylbenzene	11.0	0.50	µg/L	10.0		110		70-130	2.20	25		
Vinyl Chloride	8.64	0.50	µg/L	10.0		86.4		60-140	1.83	25		†
m+p Xylene	22.2	1.0	µg/L	20.0		111		70-130	0.0903	25		
o-Xylene	10.8	0.50	µg/L	10.0		108		70-130	0.925	25		
Surrogate: 1,2-Dichloroethane-d4	*21.6*		µg/L	25.0		86.4		70-130				
Surrogate: Toluene-d8	*24.6*		µg/L	25.0		98.4		70-130				
Surrogate: 4-Bromofluorobenzene	*25.0*		µg/L	25.0		99.8		70-130				

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291945 - MA VPH										
Blank (B291945-BLK1)				Prepared & Analyzed: 10/07/21						
Unadjusted C5-C8 Aliphatics	ND	100	µg/L							
C5-C8 Aliphatics	ND	100	µg/L							
Unadjusted C9-C12 Aliphatics	ND	100	µg/L							
C9-C12 Aliphatics	ND	100	µg/L							
C9-C10 Aromatics	ND	100	µg/L							
Benzene	ND	1.0	µg/L							
Butylcyclohexane	ND	1.0	µg/L							
Decane	ND	1.0	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
2-Methylpentane	ND	1.0	µg/L							
Naphthalene	ND	5.0	µg/L							
Nonane	ND	1.0	µg/L							
Pentane	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
2,2,4-Trimethylpentane	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 2,5-Dibromotoluene (FID)	*31.8*		µg/L	40.0		79.6	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*34.0*		µg/L	40.0		84.9	70-130			
LCS (B291945-BS1)				Prepared & Analyzed: 10/07/21						
Benzene	47.5	1.0	µg/L	50.0		95.1	70-130			
Butylcyclohexane	58.8	1.0	µg/L	50.0		118	70-130			
Decane	43.5	1.0	µg/L	50.0		87.0	70-130			
Ethylbenzene	47.6	1.0	µg/L	50.0		95.3	70-130			
Methyl tert-Butyl Ether (MTBE)	48.8	1.0	µg/L	50.0		97.7	70-130			
2-Methylpentane	43.5	1.0	µg/L	50.0		87.0	70-130			
Naphthalene	51.9	5.0	µg/L	50.0		104	70-130			
Nonane	59.1	1.0	µg/L	50.0		118	70-130			
Pentane	44.4	1.0	µg/L	50.0		88.7	70-130			
Toluene	47.2	1.0	µg/L	50.0		94.5	70-130			
1,2,4-Trimethylbenzene	46.2	1.0	µg/L	50.0		92.4	70-130			
2,2,4-Trimethylpentane	39.2	1.0	µg/L	50.0		78.5	70-130			
m+p Xylene	94.6	2.0	µg/L	100		94.6	70-130			
o-Xylene	48.0	1.0	µg/L	50.0		96.0	70-130			
Surrogate: 2,5-Dibromotoluene (FID)	*47.8*		µg/L	40.0		120	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*46.1*		µg/L	40.0		115	70-130			
LCS Dup (B291945-BSD1)				Prepared & Analyzed: 10/07/21						
Benzene	47.4	1.0	µg/L	50.0		94.8	70-130	0.263	25	
Butylcyclohexane	58.0	1.0	µg/L	50.0		116	70-130	1.41	25	
Decane	42.0	1.0	µg/L	50.0		84.1	70-130	3.46	25	
Ethylbenzene	47.0	1.0	µg/L	50.0		94.1	70-130	1.28	25	
Methyl tert-Butyl Ether (MTBE)	49.5	1.0	µg/L	50.0		99.1	70-130	1.43	25	
2-Methylpentane	41.9	1.0	µg/L	50.0		83.8	70-130	3.73	25	
Naphthalene	52.0	5.0	µg/L	50.0		104	70-130	0.214	25	
Nonane	58.0	1.0	µg/L	50.0		116	70-130	1.94	25	
Pentane	42.5	1.0	µg/L	50.0		85.0	70-130	4.30	25	
Toluene	47.1	1.0	µg/L	50.0		94.2	70-130	0.314	25	
1,2,4-Trimethylbenzene	46.0	1.0	µg/L	50.0		92.0	70-130	0.377	25	

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291945 - MA VPH										
LCS Dup (B291945-BSD1)				Prepared & Analyzed: 10/07/21						
2,2,4-Trimethylpentane	37.2	1.0	µg/L	50.0		74.4	70-130	5.25	25	
m+p Xylene	94.0	2.0	µg/L	100		94.0	70-130	0.646	25	
o-Xylene	47.9	1.0	µg/L	50.0		95.8	70-130	0.129	25	
Surrogate: 2,5-Dibromotoluene (FID)	*39.3*		µg/L	40.0		98.3	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*45.0*		µg/L	40.0		113	70-130			
Batch B292045 - MA VPH										
Blank (B292045-BLK1)				Prepared & Analyzed: 10/08/21						
Unadjusted C5-C8 Aliphatics	ND	100	µg/L							
C5-C8 Aliphatics	ND	100	µg/L							
Unadjusted C9-C12 Aliphatics	ND	100	µg/L							
C9-C12 Aliphatics	ND	100	µg/L							
C9-C10 Aromatics	ND	100	µg/L							
Benzene	ND	1.0	µg/L							
Butylcyclohexane	ND	1.0	µg/L							
Decane	ND	1.0	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
2-Methylpentane	ND	1.0	µg/L							
Naphthalene	ND	5.0	µg/L							
Nonane	ND	1.0	µg/L							
Pentane	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
2,2,4-Trimethylpentane	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 2,5-Dibromotoluene (FID)	*30.4*		µg/L	40.0		76.1	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*39.4*		µg/L	40.0		98.6	70-130			
LCS (B292045-BS1)				Prepared & Analyzed: 10/08/21						
Benzene	47.1	1.0	µg/L	50.0		94.2	70-130			
Butylcyclohexane	58.6	1.0	µg/L	50.0		117	70-130			
Decane	43.6	1.0	µg/L	50.0		87.1	70-130			
Ethylbenzene	47.2	1.0	µg/L	50.0		94.4	70-130			
Methyl tert-Butyl Ether (MTBE)	49.1	1.0	µg/L	50.0		98.2	70-130			
2-Methylpentane	45.5	1.0	µg/L	50.0		91.0	70-130			
Naphthalene	53.1	5.0	µg/L	50.0		106	70-130			
Nonane	58.7	1.0	µg/L	50.0		117	70-130			
Pentane	49.0	1.0	µg/L	50.0		98.0	70-130			
Toluene	47.0	1.0	µg/L	50.0		94.1	70-130			
1,2,4-Trimethylbenzene	45.8	1.0	µg/L	50.0		91.5	70-130			
2,2,4-Trimethylpentane	39.3	1.0	µg/L	50.0		78.6	70-130			
m+p Xylene	93.6	2.0	µg/L	100		93.6	70-130			
o-Xylene	47.6	1.0	µg/L	50.0		95.2	70-130			
Surrogate: 2,5-Dibromotoluene (FID)	*41.6*		µg/L	40.0		104	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*46.6*		µg/L	40.0		117	70-130			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B292045 - MA VPH										
LCS Dup (B292045-BSD1)				Prepared & Analyzed: 10/08/21						
Benzene	45.5	1.0	µg/L	50.0		91.0	70-130	3.54	25	
Butylcyclohexane	57.0	1.0	µg/L	50.0		114	70-130	2.69	25	
Decane	41.5	1.0	µg/L	50.0		82.9	70-130	4.93	25	
Ethylbenzene	45.4	1.0	µg/L	50.0		90.8	70-130	3.79	25	
Methyl tert-Butyl Ether (MTBE)	48.5	1.0	µg/L	50.0		97.0	70-130	1.24	25	
2-Methylpentane	42.5	1.0	µg/L	50.0		85.1	70-130	6.66	25	
Naphthalene	52.7	5.0	µg/L	50.0		105	70-130	0.813	25	
Nonane	57.0	1.0	µg/L	50.0		114	70-130	2.90	25	
Pentane	45.9	1.0	µg/L	50.0		91.7	70-130	6.66	25	
Toluene	45.2	1.0	µg/L	50.0		90.5	70-130	3.87	25	
1,2,4-Trimethylbenzene	44.3	1.0	µg/L	50.0		88.6	70-130	3.28	25	
2,2,4-Trimethylpentane	36.6	1.0	µg/L	50.0		73.2	70-130	7.12	25	
m+p Xylene	90.4	2.0	µg/L	100		90.4	70-130	3.45	25	
o-Xylene	46.0	1.0	µg/L	50.0		92.0	70-130	3.41	25	
Surrogate: 2,5-Dibromotoluene (FID)	*40.7*		µg/L	40.0		102	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*46.8*		µg/L	40.0		117	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
MADEP-VPH-Feb 2018 Rev 2.1 in Water	
Unadjusted C5-C8 Aliphatics	CT,NC,ME,NH-P
C5-C8 Aliphatics	CT,NC,ME,NH-P
Unadjusted C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C10 Aromatics	CT,NC,ME,NH-P
Benzene	CT,NC,ME,NH-P
Ethylbenzene	CT,NC,ME,NH-P
Methyl tert-Butyl Ether (MTBE)	CT,NC,ME,NH-P
Naphthalene	CT,NC,ME,NH-P
Toluene	CT,NC,ME,NH-P
m+p Xylene	CT,NC,ME,NH-P
o-Xylene	CT,NC,ME,NH-P
SM21-23 6200B in Water	
Benzene	NC
Bromobenzene	NC
Bromochloromethane	NC
Bromodichloromethane	NC
Bromoform	NC
Bromomethane	NC
n-Butylbenzene	NC
sec-Butylbenzene	NC
tert-Butylbenzene	NC
Carbon Tetrachloride	NC
Chlorobenzene	NC
Chlorodibromomethane	NC
Chloroethane	NC
Chloroform	NC
Chloromethane	NC
2-Chlorotoluene	NC
4-Chlorotoluene	NC
1,2-Dibromoethane (EDB)	NC
1,2-Dichlorobenzene	NC
1,3-Dichlorobenzene	NC
1,4-Dichlorobenzene	NC
Dichlorodifluoromethane (Freon 12)	NC
1,1-Dichloroethane	NC
1,2-Dichloroethane	NC
1,1-Dichloroethylene	NC
cis-1,2-Dichloroethylene	NC
trans-1,2-Dichloroethylene	NC
1,2-Dichloropropane	NC
1,3-Dichloropropane	NC
2,2-Dichloropropane	NC
1,1-Dichloropropene	NC
cis-1,3-Dichloropropene	NC
trans-1,3-Dichloropropene	NC

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SM21-23 6200B in Water	
Diisopropyl Ether (DIPE)	NC
Ethylbenzene	NC
Isopropylbenzene (Cumene)	NC
Methyl tert-Butyl Ether (MTBE)	NC
Methylene Chloride	NC
Naphthalene	NC
n-Propylbenzene	NC
Styrene	NC
1,1,2,2-Tetrachloroethane	NC
Tetrachloroethylene	NC
Toluene	NC
1,2,3-Trichlorobenzene	NC
1,2,4-Trichlorobenzene	NC
1,1,1-Trichloroethane	NC
1,1,2-Trichloroethane	NC
Trichloroethylene	NC
Trichlorofluoromethane (Freon 11)	NC
1,2,3-Trichloropropane	NC
1,2,4-Trimethylbenzene	NC
1,3,5-Trimethylbenzene	NC
Vinyl Chloride	NC
m+p Xylene	NC
o-Xylene	NC

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

Internal Transfer Chain of Custody

210175

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☐ Samples Pre-Logged into eCOC.

State Of Origin: NC
Cert. Needed: [X] Yes ☐ No
Owner Received Date: 10/1/2021 Results Requested By: 10/6/2021

Workorder: 92564488 **Workorder Name:** CPC HUNTERSVILLE - 60639876

Report To	Subcontract To
Bonnie Vang Pace Analytical Charlotte 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 Phone (704)875-9092	Pace New England 39 Spruce St. East Longmeadow, MA 01028 Phone (413)525-2332

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HCL	6200B	NC VPH	LAB USE ONLY
1	MW-14	PS	10/1/2021 08:45	92564488001	Water	7	X	X	
2	MW-51	PS	10/1/2021 10:35	92564488002	Water	7	X	X	
3	MW-45	PS	10/1/2021 12:45	92564488003	Water	7	X	X	
4	MW-49	PS	10/1/2021 14:30	92564488004	Water	7	X	X	
5	TRIP BLANK	PS	10/1/2021 00:00	92564488005	Water	2	X		

Transfers	Released By	Date/Time	Received By	Date/Time
1	KS Pace HVL	10/4/21 1600		10/5 1014
2				
3				

Comments: Project not received with trip blanks

Cooler Temperature on Receipt 5.4 °C | **Custody Seal** Y or (N) | **Received on Ice** (Y) or N | **Samples Intact** (Y) or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.*

FedEx

TRACK ANOTHER SHIPMENT

987548461236

ADD NICKNAME

Delivered
Tuesday, October 5, 2021 at 10:14 am

DELIVERED

Signed for by: P.PATRATUS

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM	TO
Huntersville, NC US	EAST LONGMEADOW, MA US

Travel History

TIME ZONE
Local Scan Time

Tuesday, October 5, 2021

10:14 AM	EAST LONGMEADOW, MA	Delivered
8:38 AM	WINDSOR LOCKS, CT	On FedEx vehicle for delivery
8:29 AM	WINDSOR LOCKS, CT	At local FedEx facility
7:31 AM	EAST GRANBY, CT	At destination sort facility
5:40 AM	INDIANAPOLIS, IN	Departed FedEx hub
12:26 AM	INDIANAPOLIS, IN	Arrived at FedEx hub

Monday, October 4, 2021

8:51 PM	CONCORD, NC	Left FedEx origin facility
5:39 PM	CONCORD, NC	Picked up
3:58 PM		Shipment information sent to FedEx

Shipment Facts

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Pace NC

Received By mp Date 10/5 Time 1014

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____ Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 3 Actual Temp - 5.4 By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? T

Do all samples have the proper pH? NA Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-	28	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 08, 2021

Andrew Wreschnig
AECOM
6000 Fairview Road
Suite 200
Charlotte, NC 28210

RE: Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564492

Dear Andrew Wreschnig:

Enclosed are the analytical results for sample(s) received by the laboratory on October 01, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Teresa Amentt Jennings, AECOM
Jeff Morrison, Colonial Pipeline Company

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CERTIFICATIONS

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564492

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

SAMPLE SUMMARY

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564492

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92564492001	**MW-95**	Water	10/01/21 09:35	10/01/21 16:05
92564492002	**MW-96**	Water	10/01/21 11:15	10/01/21 16:05
92564492003	**MW-03**	Water	10/01/21 12:30	10/01/21 16:05
92564492004	**FB-1-20211001**	Water	10/01/21 14:30	10/01/21 16:05
92564492005	**EB-1-20211001**	Water	10/01/21 15:00	10/01/21 16:05

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SAMPLE ANALYTE COUNT

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564492

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92564492001	**MW-95**	EPA 6010D	CBV	1	PASI-A
92564492002	**MW-96**	EPA 6010D	CBV	1	PASI-A
92564492003	**MW-03**	EPA 6010D	CBV	1	PASI-A
92564492005	**EB-1-20211001**	EPA 6010D	CBV	1	PASI-A

PASI-A = Pace Analytical Services - Asheville

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564492

Sample: MW-95 **Lab ID: 92564492001** Collected: 10/01/21 09:35 Received: 10/01/21 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/04/21 12:21	10/06/21 04:33	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564492

Sample: MW-96 **Lab ID: 92564492002** Collected: 10/01/21 11:15 Received: 10/01/21 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/04/21 12:21	10/06/21 04:43	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564492

Sample: MW-03 **Lab ID: 92564492003** Collected: 10/01/21 12:30 Received: 10/01/21 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/04/21 12:21	10/06/21 04:46	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564492

Sample: EB-1-20211001 **Lab ID: 92564492005** Collected: 10/01/21 15:00 Received: 10/01/21 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/04/21 12:21	10/06/21 04:49	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564492

QC Batch: 650613 | Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A | Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92564492001, 92564492002, 92564492003, 92564492005

METHOD BLANK: 3412241 Matrix: Water
Associated Lab Samples: 92564492001, 92564492002, 92564492003, 92564492005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	4.5	10/06/21 03:25	

LABORATORY CONTROL SAMPLE: 3412242

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	472	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3412243 3412244

Parameter	Units	92564485001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	489	484	97	96	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
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QUALIFIERS

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564492

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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Huntersville, NC 28078
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CPC HUNTERSVILLE - 60639876
Pace Project No.: 92564492

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92564492001	**MW-95**	EPA 3010A	650613	EPA 6010D	650652
92564492002	**MW-96**	EPA 3010A	650613	EPA 6010D	650652
92564492003	**MW-03**	EPA 3010A	650613	EPA 6010D	650652
92564492005	**EB-1-20211001**	EPA 3010A	650613	EPA 6010D	650652

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Pace Analytical®	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: October 28, 2020 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.07	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☑ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: AECOM

Project #

WO# : 92564492

92564492

Courier: ☐ Commercial ☐ Fed Ex ☐ Pace ☐ UPS ☐ USPS ☐ Other: ☑ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☑ No

Date/Initials Person Examining Contents: JB 10/21/21

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 92764

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.4 Correction Factor: Add/Subtract (°C) 0

Cooler Temp Corrected (°C): 3.4

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (Internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☑ Yes	☐ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W +				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☑ No	☐ N/A	10.
Trip Blank Present?	☐ Yes	☑ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

~~Field~~ Trip Blank listed on CoC did not arrive in Sample

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

Projec

WO# : 92564492

PM: BV Due Date: 10/06/21

CLIENT: 92-AECOM CHA

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1						1 ✓										7													
2						1 ✓										7													
3						1 ✓										7													
4						1 ✓										7													
5						1 ✓										7													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical
WWW.PACELABS.COM

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Page : 1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	AECOM	Report To:	Andy Wreschnig	Attention:	
Address:	6000 Fairview Road	Copy To:		Company Name:	
Suite 200, Charlotte, NC 28210				Address:	
Email:	andrew.wreschnig@aecom.com	Purchase Order #:		Pace Quote:	60639876
Phone:	(704)716-0757 Fax	Project Name:	CPC Huntersville-60639876	Pace Project Manager:	bonnie.vang@pacelabs.com,
Requested Due Date:	3 DAY TAT	Project #:		Pace Profile #:	12518-3

Regulatory Agency

State / Location: NC

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	6200B	VPH	6010-Pb	n-butanol by 6200	Trip BLANK	Residual Chlorine (Y/N)	97564497
1	MW-95	W	G			10/1	0935		8			1	7						X	X	X				3DAYTATOO1
2	MW-96	W	G			10/1	1115		8			1	7						X	X	X				OO2
3	MW-03	W	G			10/1	1250		8			1	7						X	X	X				OO3
4	EB-1-20211001	W	G			10/1	1450		7				7						X	X					OO4
5	EB-1-20211001	W	G			10/1	1500		8			1	7						X	X	X				OO5
6	TRIP BLANK					Lab Provided			2				2									4	X		OO6
7																									
8																									
9																									
10																									
11																									
12																									

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
3DAY TAT	Mike de Kozlowski / AECOM	10/1/21	1605	JB Pace HVL	10/01/21	1605	3.4	F	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Mike de Kozlowski

SIGNATURE of SAMPLER: Mike de Kozlowski DATE Signed: 10/1/21

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

October 8, 2021

Bonnie Vang
Pace Analytical Services - NC
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078

Project Location: CPC Huntersville-60639876
Client Job Number:
Project Number: 92564492
Laboratory Work Order Number: 21J0172

Enclosed are results of analyses for samples as received by the laboratory on October 5, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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B291946 25

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Pace Analytical Services - NC
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
ATTN: Bonnie Vang

REPORT DATE: 10/8/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 92564492

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21J0172

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: CPC Huntersville-60639876

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-95	21J0172-01	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-96	21J0172-02	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-03	21J0172-03	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
FB-1-20211001	21J0172-04	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
EB-1-20211001	21J0172-05	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	

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A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method MA VPH only hydrocarbon ranges were requested and reported.

SM21-23 6200B

Qualifications:

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Chloromethane

21J0172-01[MW-95], 21J0172-02[MW-96], 21J0172-03[MW-03], 21J0172-04[FB-1-20211001], 21J0172-05[EB-1-20211001], B291847-BLK1, B291847-BS1, B291847-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

1,2,3-Trichloropropane

B291847-BSD1

Bromomethane

B291847-BS1

MADEP-VPH-Feb 2018 Rev 2.1

No significant modifications were made to the method. All VPH samples were received preserved properly at pH <2 in the proper containers as specified on the chain-of-custody form unless specified in this narrative.

Analytical column used for VPH analysis is Restek, Rtx-502.2, 105meter, 0.53mmID, 3um df. Trap used for VPH analysis is Carbopack B/CarboSieveS-III.

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0172

Date Received: 10/5/2021

Field Sample #: MW-95 Sampled: 10/1/2021 09:35

Sample ID: 21J0172-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
Chloroform	0.59	0.50	0.19	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
Diisopropyl Ether (DIPE)	2.3	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
Methyl tert-Butyl Ether (MTBE)	0.32	0.50	0.17	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0172

Date Received: 10/5/2021

Field Sample #: MW-95 Sampled: 10/1/2021 09:35

Sample ID: 21J0172-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
Trichlorofluoromethane (Freon 11)	0.35	0.50	0.19	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:33	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	88.6	70-130		10/6/21 14:33
Toluene-d8	98.0	70-130		10/6/21 14:33
4-Bromofluorobenzene	96.9	70-130		10/6/21 14:33

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0172

Date Received: 10/5/2021

Field Sample #: MW-95 Sampled: 10/1/2021 09:35

Sample ID: 21J0172-01

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 8:06	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 8:06	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 8:06	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 8:06	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 8:06	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	76.0	70-130		10/8/21 8:06
2,5-Dibromotoluene (PID)	70.9	70-130		10/8/21 8:06

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0172

Date Received: 10/5/2021

Field Sample #: MW-96 Sampled: 10/1/2021 11:15

Sample ID: 21J0172-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0172

Date Received: 10/5/2021

Field Sample #: MW-96 Sampled: 10/1/2021 11:15

Sample ID: 21J0172-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
Toluene	0.13	0.50	0.11	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:00	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	88.8	70-130		10/6/21 15:00
Toluene-d8	97.4	70-130		10/6/21 15:00
4-Bromofluorobenzene	94.2	70-130		10/6/21 15:00

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0172

Date Received: 10/5/2021

Field Sample #: MW-96 Sampled: 10/1/2021 11:15

Sample ID: 21J0172-02

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 8:44	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 8:44	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 8:44	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 8:44	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 8:44	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	91.1	70-130		10/8/21 8:44
2,5-Dibromotoluene (PID)	88.9	70-130		10/8/21 8:44

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0172

Date Received: 10/5/2021

Field Sample #: MW-03 Sampled: 10/1/2021 12:30

Sample ID: 21J0172-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
Ethylbenzene	0.22	0.50	0.090	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0172

Date Received: 10/5/2021

Field Sample #: MW-03 Sampled: 10/1/2021 12:30

Sample ID: 21J0172-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
Toluene	2.7	0.50	0.11	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
m+p Xylene	0.46	1.0	0.18	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 15:26	LBD
o-Xylene	0.30	0.50	0.090	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 15:26	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	87.9	70-130		10/6/21 15:26
Toluene-d8	98.1	70-130		10/6/21 15:26
4-Bromofluorobenzene	95.0	70-130		10/6/21 15:26

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0172

Date Received: 10/5/2021

Field Sample #: MW-03 Sampled: 10/1/2021 12:30

Sample ID: 21J0172-03

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	130	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 9:23	KMB
C5-C8 Aliphatics	130	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 9:23	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 9:23	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 9:23	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 9:23	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	87.5	70-130		10/8/21 9:23
2,5-Dibromotoluene (PID)	85.3	70-130		10/8/21 9:23

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0172

Date Received: 10/5/2021

Field Sample #: FB-1-20211001 Sampled: 10/1/2021 14:30

Sample ID: 21J0172-04

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
Methylene Chloride	0.85	5.0	0.30	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0172

Date Received: 10/5/2021

Field Sample #: FB-1-20211001 Sampled: 10/1/2021 14:30

Sample ID: 21J0172-04

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 13:41	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	88.9	70-130		10/6/21 13:41
Toluene-d8	97.3	70-130		10/6/21 13:41
4-Bromofluorobenzene	94.2	70-130		10/6/21 13:41

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0172

Date Received: 10/5/2021

Field Sample #: FB-1-20211001 Sampled: 10/1/2021 14:30

Sample ID: 21J0172-04

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 2:56	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 2:56	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 2:56	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 2:56	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 2:56	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	70.6	70-130		10/8/21 2:56
2,5-Dibromotoluene (PID)	70.1	70-130		10/8/21 2:56

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0172

Date Received: 10/5/2021

Field Sample #: EB-1-20211001 Sampled: 10/1/2021 15:00

Sample ID: 21J0172-05

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
Chloromethane	ND	0.60	0.38	µg/L	1	L-04	SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
Methylene Chloride	0.65	5.0	0.30	µg/L	1	J	SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0172

Date Received: 10/5/2021

Field Sample #: EB-1-20211001 Sampled: 10/1/2021 15:00

Sample ID: 21J0172-05

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/6/21	10/6/21 14:07	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	89.4	70-130		10/6/21 14:07
Toluene-d8	97.6	70-130		10/6/21 14:07
4-Bromofluorobenzene	94.0	70-130		10/6/21 14:07

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0172

Date Received: 10/5/2021

Field Sample #: EB-1-20211001 Sampled: 10/1/2021 15:00

Sample ID: 21J0172-05

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 3:34	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 3:34	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 3:34	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 3:34	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 3:34	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	86.6	70-130		10/8/21 3:34
2,5-Dibromotoluene (PID)	78.1	70-130		10/8/21 3:34

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Sample Extraction Data

Prep Method: MA VPH **Analytical Method: MADEP-VPH-Feb 2018 Rev 2.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21J0172-01 [MW-95]	B291946	5	5.00	10/07/21
21J0172-02 [MW-96]	B291946	5	5.00	10/07/21
21J0172-03 [MW-03]	B291946	5	5.00	10/07/21
21J0172-04 [FB-1-20211001]	B291946	5	5.00	10/07/21
21J0172-05 [EB-1-20211001]	B291946	5	5.00	10/07/21

Prep Method: SW-846 5030B **Analytical Method: SM21-23 6200B**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21J0172-01 [MW-95]	B291847	5	5.00	10/06/21
21J0172-02 [MW-96]	B291847	5	5.00	10/06/21
21J0172-03 [MW-03]	B291847	5	5.00	10/06/21
21J0172-04 [FB-1-20211001]	B291847	5	5.00	10/06/21
21J0172-05 [EB-1-20211001]	B291847	5	5.00	10/06/21

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291847 - SW-846 5030B										
Blank (B291847-BLK1)				Prepared & Analyzed: 10/06/21						
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromochloromethane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	2.0	µg/L							
n-Butylbenzene	ND	0.50	µg/L							
sec-Butylbenzene	ND	0.50	µg/L							
tert-Butylbenzene	ND	0.50	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							L-04
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
Naphthalene	ND	0.50	µg/L							
n-Propylbenzene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
1,2,3-Trichlorobenzene	ND	1.0	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291847 - SW-846 5030B												
Blank (B291847-BLK1)				Prepared & Analyzed: 10/06/21								
Trichloroethylene	ND	0.50	µg/L									
Trichlorofluoromethane (Freon 11)	ND	0.50	µg/L									
1,2,3-Trichloropropane	ND	0.50	µg/L									
1,2,4-Trimethylbenzene	ND	0.50	µg/L									
1,3,5-Trimethylbenzene	ND	0.50	µg/L									
Vinyl Chloride	ND	0.50	µg/L									
m+p Xylene	ND	1.0	µg/L									
o-Xylene	ND	0.50	µg/L									
Surrogate: 1,2-Dichloroethane-d4	*22.2*		µg/L	25.0		88.9		70-130				
Surrogate: Toluene-d8	*24.4*		µg/L	25.0		97.4		70-130				
Surrogate: 4-Bromofluorobenzene	*23.9*		µg/L	25.0		95.4		70-130				
LCS (B291847-BS1)				Prepared & Analyzed: 10/06/21								
Benzene	9.71	0.50	µg/L	10.0		97.1		70-130				
Bromobenzene	10.9	0.50	µg/L	10.0		109		70-130				
Bromochloromethane	10.7	0.50	µg/L	10.0		107		70-130				
Bromodichloromethane	10.6	0.50	µg/L	10.0		106		70-130				
Bromoform	10.4	0.50	µg/L	10.0		104		70-130				
Bromomethane	14.5	2.0	µg/L	10.0		**145**	*	60-140			L-07	†
n-Butylbenzene	9.58	0.50	µg/L	10.0		95.8		70-130				
sec-Butylbenzene	9.65	0.50	µg/L	10.0		96.5		70-130				
tert-Butylbenzene	10.5	0.50	µg/L	10.0		105		70-130				
Carbon Tetrachloride	10.7	0.50	µg/L	10.0		107		70-130				
Chlorobenzene	10.5	0.50	µg/L	10.0		105		70-130				
Chlorodibromomethane	10.7	0.50	µg/L	10.0		107		70-130				
Chloroethane	9.60	0.50	µg/L	10.0		96.0		60-140				
Chloroform	9.56	0.50	µg/L	10.0		95.6		70-130				
Chloromethane	3.49	0.60	µg/L	10.0		**34.9**	*	60-140			L-04	†
2-Chlorotoluene	10.4	0.50	µg/L	10.0		104		70-130				
4-Chlorotoluene	10.4	0.50	µg/L	10.0		104		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	10.2	5.0	µg/L	10.0		102		70-130				
1,2-Dibromoethane (EDB)	11.7	0.50	µg/L	10.0		117		70-130				
Dibromomethane	11.5	1.0	µg/L	10.0		115		70-130				
1,2-Dichlorobenzene	9.89	0.50	µg/L	10.0		98.9		70-130				
1,3-Dichlorobenzene	9.99	0.50	µg/L	10.0		99.9		70-130				
1,4-Dichlorobenzene	9.87	0.50	µg/L	10.0		98.7		70-130				
Dichlorodifluoromethane (Freon 12)	11.2	0.50	µg/L	10.0		112		60-140				†
1,1-Dichloroethane	9.83	0.50	µg/L	10.0		98.3		70-130				
1,2-Dichloroethane	11.2	0.50	µg/L	10.0		112		70-130				
1,1-Dichloroethylene	9.07	0.50	µg/L	10.0		90.7		70-130				
cis-1,2-Dichloroethylene	9.43	0.50	µg/L	10.0		94.3		70-130				
trans-1,2-Dichloroethylene	10.1	0.50	µg/L	10.0		101		70-130				
1,2-Dichloropropane	10.4	0.50	µg/L	10.0		104		70-130				
1,3-Dichloropropane	11.3	0.50	µg/L	10.0		113		70-130				
2,2-Dichloropropane	10.1	0.50	µg/L	10.0		101		70-130				†
1,1-Dichloropropene	10.8	0.50	µg/L	10.0		108		70-130				
cis-1,3-Dichloropropene	11.3	0.50	µg/L	10.0		113		70-130				
trans-1,3-Dichloropropene	11.3	0.50	µg/L	10.0		113		70-130				
Diisopropyl Ether (DIPE)	7.28	0.50	µg/L	10.0		72.8		70-130				
Ethylbenzene	11.0	0.50	µg/L	10.0		110		70-130				
Hexachlorobutadiene	10.4	0.60	µg/L	10.0		104		70-130				
Isopropylbenzene (Cumene)	10.7	0.50	µg/L	10.0		107		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291847 - SW-846 5030B												
LCS (B291847-BS1)				Prepared & Analyzed: 10/06/21								
Methyl tert-Butyl Ether (MTBE)	9.99	0.50	µg/L	10.0		99.9		70-130				
Methylene Chloride	7.46	5.0	µg/L	10.0		74.6		70-130				
Naphthalene	8.14	0.50	µg/L	10.0		81.4		70-130				†
n-Propylbenzene	10.3	0.50	µg/L	10.0		103		70-130				
Styrene	10.8	0.50	µg/L	10.0		108		70-130				
1,1,1,2-Tetrachloroethane	11.3	0.50	µg/L	10.0		113		70-130				
1,1,2,2-Tetrachloroethane	10.8	0.50	µg/L	10.0		108		70-130				
Tetrachloroethylene	11.3	0.50	µg/L	10.0		113		70-130				
Toluene	10.7	0.50	µg/L	10.0		107		70-130				
1,2,3-Trichlorobenzene	8.53	1.0	µg/L	10.0		85.3		70-130				
1,2,4-Trichlorobenzene	9.48	0.50	µg/L	10.0		94.8		70-130				
1,1,1-Trichloroethane	10.3	0.50	µg/L	10.0		103		70-130				
1,1,2-Trichloroethane	11.2	0.50	µg/L	10.0		112		70-130				
Trichloroethylene	11.2	0.50	µg/L	10.0		112		70-130				
Trichlorofluoromethane (Freon 11)	9.31	0.50	µg/L	10.0		93.1		70-130				
1,2,3-Trichloropropane	12.2	0.50	µg/L	10.0		122		70-130				
1,2,4-Trimethylbenzene	10.4	0.50	µg/L	10.0		104		70-130				
1,3,5-Trimethylbenzene	10.8	0.50	µg/L	10.0		108		70-130				
Vinyl Chloride	8.80	0.50	µg/L	10.0		88.0		60-140				†
m+p Xylene	22.2	1.0	µg/L	20.0		111		70-130				
o-Xylene	10.9	0.50	µg/L	10.0		109		70-130				
Surrogate: 1,2-Dichloroethane-d4	*21.8*		µg/L	25.0		87.4		70-130				
Surrogate: Toluene-d8	*24.3*		µg/L	25.0		97.3		70-130				
Surrogate: 4-Bromofluorobenzene	*24.4*		µg/L	25.0		97.7		70-130				
LCS Dup (B291847-BSD1)				Prepared & Analyzed: 10/06/21								
Benzene	9.72	0.50	µg/L	10.0		97.2		70-130	0.103	25		
Bromobenzene	11.0	0.50	µg/L	10.0		110		70-130	1.10	25		
Bromochloromethane	10.7	0.50	µg/L	10.0		107		70-130	0.0937	25		
Bromodichloromethane	10.8	0.50	µg/L	10.0		108		70-130	1.40	25		
Bromoform	11.1	0.50	µg/L	10.0		111		70-130	6.49	25		
Bromomethane	14.0	2.0	µg/L	10.0		140		60-140	3.65	25		†
n-Butylbenzene	9.27	0.50	µg/L	10.0		92.7		70-130	3.29	25		
sec-Butylbenzene	9.65	0.50	µg/L	10.0		96.5		70-130	0.00	25		
tert-Butylbenzene	10.4	0.50	µg/L	10.0		104		70-130	0.767	25		
Carbon Tetrachloride	10.6	0.50	µg/L	10.0		106		70-130	0.564	25		
Chlorobenzene	10.4	0.50	µg/L	10.0		104		70-130	0.287	25		
Chlorodibromomethane	11.2	0.50	µg/L	10.0		112		70-130	4.29	25		
Chloroethane	8.83	0.50	µg/L	10.0		88.3		60-140	8.36	25		
Chloroform	9.32	0.50	µg/L	10.0		93.2		70-130	2.54	25		
Chloromethane	3.44	0.60	µg/L	10.0		**34.4**	*	60-140	1.44	25	L-04	†
2-Chlorotoluene	10.2	0.50	µg/L	10.0		102		70-130	2.33	25		
4-Chlorotoluene	10.5	0.50	µg/L	10.0		105		70-130	0.763	25		
1,2-Dibromo-3-chloropropane (DBCP)	9.93	5.0	µg/L	10.0		99.3		70-130	2.58	25		
1,2-Dibromoethane (EDB)	11.3	0.50	µg/L	10.0		113		70-130	2.87	25		
Dibromomethane	11.7	1.0	µg/L	10.0		117		70-130	1.64	25		
1,2-Dichlorobenzene	9.85	0.50	µg/L	10.0		98.5		70-130	0.405	25		
1,3-Dichlorobenzene	9.89	0.50	µg/L	10.0		98.9		70-130	1.01	25		
1,4-Dichlorobenzene	9.99	0.50	µg/L	10.0		99.9		70-130	1.21	25		
Dichlorodifluoromethane (Freon 12)	10.7	0.50	µg/L	10.0		107		60-140	4.30	25		†
1,1-Dichloroethane	9.50	0.50	µg/L	10.0		95.0		70-130	3.41	25		
1,2-Dichloroethane	11.3	0.50	µg/L	10.0		113		70-130	0.622	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291847 - SW-846 5030B												
LCS Dup (B291847-BSD1)				Prepared & Analyzed: 10/06/21								
1,1-Dichloroethylene	9.07	0.50	µg/L	10.0		90.7		70-130	0.00	25		
cis-1,2-Dichloroethylene	9.19	0.50	µg/L	10.0		91.9		70-130	2.58	25		
trans-1,2-Dichloroethylene	9.71	0.50	µg/L	10.0		97.1		70-130	3.64	25		
1,2-Dichloropropane	10.6	0.50	µg/L	10.0		106		70-130	1.81	25		
1,3-Dichloropropane	11.6	0.50	µg/L	10.0		116		70-130	2.62	25		
2,2-Dichloropropane	9.97	0.50	µg/L	10.0		99.7		70-130	1.59	25		†
1,1-Dichloropropene	10.2	0.50	µg/L	10.0		102		70-130	5.04	25		
cis-1,3-Dichloropropene	11.2	0.50	µg/L	10.0		112		70-130	0.356	25		
trans-1,3-Dichloropropene	11.2	0.50	µg/L	10.0		112		70-130	0.444	25		
Diisopropyl Ether (DIPE)	7.13	0.50	µg/L	10.0		71.3		70-130	2.08	25		
Ethylbenzene	11.2	0.50	µg/L	10.0		112		70-130	1.90	25		
Hexachlorobutadiene	10.1	0.60	µg/L	10.0		101		70-130	2.15	25		
Isopropylbenzene (Cumene)	10.7	0.50	µg/L	10.0		107		70-130	0.187	25		
Methyl tert-Butyl Ether (MTBE)	10.1	0.50	µg/L	10.0		101		70-130	1.49	25		
Methylene Chloride	7.42	5.0	µg/L	10.0		74.2		70-130	0.538	25		
Naphthalene	8.54	0.50	µg/L	10.0		85.4		70-130	4.80	25		†
n-Propylbenzene	10.2	0.50	µg/L	10.0		102		70-130	0.681	25		
Styrene	10.7	0.50	µg/L	10.0		107		70-130	0.838	25		
1,1,1,2-Tetrachloroethane	11.5	0.50	µg/L	10.0		115		70-130	1.76	25		
1,1,2,2-Tetrachloroethane	11.0	0.50	µg/L	10.0		110		70-130	1.47	25		
Tetrachloroethylene	11.3	0.50	µg/L	10.0		113		70-130	0.177	25		
Toluene	10.7	0.50	µg/L	10.0		107		70-130	0.373	25		
1,2,3-Trichlorobenzene	8.72	1.0	µg/L	10.0		87.2		70-130	2.20	25		
1,2,4-Trichlorobenzene	9.84	0.50	µg/L	10.0		98.4		70-130	3.73	25		
1,1,1-Trichloroethane	10.1	0.50	µg/L	10.0		101		70-130	1.97	25		
1,1,2-Trichloroethane	11.3	0.50	µg/L	10.0		113		70-130	1.33	25		
Trichloroethylene	11.7	0.50	µg/L	10.0		117		70-130	4.80	25		
Trichlorofluoromethane (Freon 11)	9.34	0.50	µg/L	10.0		93.4		70-130	0.322	25		
1,2,3-Trichloropropane	13.1	0.50	µg/L	10.0		**131**	*	70-130	7.66	25	L-07	
1,2,4-Trimethylbenzene	10.2	0.50	µg/L	10.0		102		70-130	2.04	25		
1,3,5-Trimethylbenzene	11.0	0.50	µg/L	10.0		110		70-130	2.20	25		
Vinyl Chloride	8.64	0.50	µg/L	10.0		86.4		60-140	1.83	25		†
m+p Xylene	22.2	1.0	µg/L	20.0		111		70-130	0.0903	25		
o-Xylene	10.8	0.50	µg/L	10.0		108		70-130	0.925	25		
Surrogate: 1,2-Dichloroethane-d4	*21.6*		µg/L	25.0		86.4		70-130				
Surrogate: Toluene-d8	*24.6*		µg/L	25.0		98.4		70-130				
Surrogate: 4-Bromofluorobenzene	*25.0*		µg/L	25.0		99.8		70-130				

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B291946 - MA VPH											
Blank (B291946-BLK1)				Prepared: 10/07/21 Analyzed: 10/08/21							
Unadjusted C5-C8 Aliphatics	ND	100	µg/L								
C5-C8 Aliphatics	ND	100	µg/L								
Unadjusted C9-C12 Aliphatics	ND	100	µg/L								
C9-C12 Aliphatics	ND	100	µg/L								
C9-C10 Aromatics	ND	100	µg/L								
Benzene	ND	1.0	µg/L								
Butylcyclohexane	ND	1.0	µg/L								
Decane	ND	1.0	µg/L								
Ethylbenzene	ND	1.0	µg/L								
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L								
2-Methylpentane	ND	1.0	µg/L								
Naphthalene	ND	5.0	µg/L								
Nonane	ND	1.0	µg/L								
Pentane	ND	1.0	µg/L								
Toluene	ND	1.0	µg/L								
1,2,4-Trimethylbenzene	ND	1.0	µg/L								
2,2,4-Trimethylpentane	ND	1.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 2,5-Dibromotoluene (FID)	*35.3*		µg/L	40.0		88.2		70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*33.6*		µg/L	40.0		83.9		70-130			
LCS (B291946-BS1)				Prepared & Analyzed: 10/07/21							
Benzene	46.2	1.0	µg/L	50.0		92.4		70-130			
Butylcyclohexane	66.9	1.0	µg/L	50.0		**134**	*	70-130			
Decane	58.4	1.0	µg/L	50.0		117		70-130			
Ethylbenzene	46.8	1.0	µg/L	50.0		93.6		70-130			
Methyl tert-Butyl Ether (MTBE)	47.1	1.0	µg/L	50.0		94.1		70-130			
2-Methylpentane	42.4	1.0	µg/L	50.0		84.8		70-130			
Naphthalene	55.6	5.0	µg/L	50.0		111		70-130			
Nonane	66.1	1.0	µg/L	50.0		**132**	*	70-130			
Pentane	40.3	1.0	µg/L	50.0		80.6		70-130			
Toluene	48.0	1.0	µg/L	50.0		96.0		70-130			
1,2,4-Trimethylbenzene	44.4	1.0	µg/L	50.0		88.9		70-130			
2,2,4-Trimethylpentane	42.3	1.0	µg/L	50.0		84.6		70-130			
m+p Xylene	94.9	2.0	µg/L	100		94.9		70-130			
o-Xylene	48.6	1.0	µg/L	50.0		97.2		70-130			
Surrogate: 2,5-Dibromotoluene (FID)	*39.6*		µg/L	40.0		99.1		70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*36.8*		µg/L	40.0		92.1		70-130			
LCS Dup (B291946-BSD1)				Prepared: 10/07/21 Analyzed: 10/08/21							
Benzene	49.7	1.0	µg/L	50.0		99.3		70-130	7.17	25	
Butylcyclohexane	65.0	1.0	µg/L	50.0		130		70-130	3.03	25	
Decane	55.8	1.0	µg/L	50.0		112		70-130	4.53	25	
Ethylbenzene	48.7	1.0	µg/L	50.0		97.4		70-130	3.91	25	
Methyl tert-Butyl Ether (MTBE)	54.6	1.0	µg/L	50.0		109		70-130	14.8	25	
2-Methylpentane	44.2	1.0	µg/L	50.0		88.3		70-130	4.15	25	
Naphthalene	46.8	5.0	µg/L	50.0		93.6		70-130	17.1	25	
Nonane	65.0	1.0	µg/L	50.0		130		70-130	1.68	25	
Pentane	46.9	1.0	µg/L	50.0		93.8		70-130	15.1	25	
Toluene	50.1	1.0	µg/L	50.0		100		70-130	4.23	25	
1,2,4-Trimethylbenzene	45.9	1.0	µg/L	50.0		91.8		70-130	3.19	25	

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291946 - MA VPH										
LCS Dup (B291946-BSD1)				Prepared: 10/07/21 Analyzed: 10/08/21						
2,2,4-Trimethylpentane	44.5	1.0	µg/L	50.0		88.9	70-130	4.92	25	
m+p Xylene	97.6	2.0	µg/L	100		97.6	70-130	2.81	25	
o-Xylene	49.7	1.0	µg/L	50.0		99.5	70-130	2.30	25	
Surrogate: 2,5-Dibromotoluene (FID)	*31.6*		µg/L	40.0		79.1	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*30.9*		µg/L	40.0		77.2	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
MADEP-VPH-Feb 2018 Rev 2.1 in Water	
Unadjusted C5-C8 Aliphatics	CT,NC,ME,NH-P
C5-C8 Aliphatics	CT,NC,ME,NH-P
Unadjusted C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C10 Aromatics	CT,NC,ME,NH-P
Benzene	CT,NC,ME,NH-P
Ethylbenzene	CT,NC,ME,NH-P
Methyl tert-Butyl Ether (MTBE)	CT,NC,ME,NH-P
Naphthalene	CT,NC,ME,NH-P
Toluene	CT,NC,ME,NH-P
m+p Xylene	CT,NC,ME,NH-P
o-Xylene	CT,NC,ME,NH-P
SM21-23 6200B in Water	
Benzene	NC
Bromobenzene	NC
Bromochloromethane	NC
Bromodichloromethane	NC
Bromoform	NC
Bromomethane	NC
n-Butylbenzene	NC
sec-Butylbenzene	NC
tert-Butylbenzene	NC
Carbon Tetrachloride	NC
Chlorobenzene	NC
Chlorodibromomethane	NC
Chloroethane	NC
Chloroform	NC
Chloromethane	NC
2-Chlorotoluene	NC
4-Chlorotoluene	NC
1,2-Dibromoethane (EDB)	NC
1,2-Dichlorobenzene	NC
1,3-Dichlorobenzene	NC
1,4-Dichlorobenzene	NC
Dichlorodifluoromethane (Freon 12)	NC
1,1-Dichloroethane	NC
1,2-Dichloroethane	NC
1,1-Dichloroethylene	NC
cis-1,2-Dichloroethylene	NC
trans-1,2-Dichloroethylene	NC
1,2-Dichloropropane	NC
1,3-Dichloropropane	NC
2,2-Dichloropropane	NC
1,1-Dichloropropene	NC
cis-1,3-Dichloropropene	NC
trans-1,3-Dichloropropene	NC

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SM21-23 6200B in Water	
Diisopropyl Ether (DIPE)	NC
Ethylbenzene	NC
Isopropylbenzene (Cumene)	NC
Methyl tert-Butyl Ether (MTBE)	NC
Methylene Chloride	NC
Naphthalene	NC
n-Propylbenzene	NC
Styrene	NC
1,1,2,2-Tetrachloroethane	NC
Tetrachloroethylene	NC
Toluene	NC
1,2,3-Trichlorobenzene	NC
1,2,4-Trichlorobenzene	NC
1,1,1-Trichloroethane	NC
1,1,2-Trichloroethane	NC
Trichloroethylene	NC
Trichlorofluoromethane (Freon 11)	NC
1,2,3-Trichloropropane	NC
1,2,4-Trimethylbenzene	NC
1,3,5-Trimethylbenzene	NC
Vinyl Chloride	NC
m+p Xylene	NC
o-Xylene	NC

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

Internal Transfer Chain of Custody 210172

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☐ Samples Pre-Logged into eCOC.

State Of Origin: NC
Cert. Needed: [X] Yes ☐ No
Owner Received Date: 10/1/2021 Results Requested By: 10/6/2021

Workorder: 92564492 **Workorder Name:** CPC HUNTERSVILLE - 60639876

Report To	Subcontract To
Bonnie Vang Pace Analytical Charlotte 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 Phone (704)875-9092	Pace New England 39 Spruce St. East Longmeadow, MA 01028 Phone (413)525-2332

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HCL	6200B	NC VPH	LAB USE ONLY
1	MW-95	PS	10/1/2021 09:35	92564492001	Water	7	X	X	
2	MW-96	PS	10/1/2021 11:15	92564492002	Water	7	X	X	
3	MW-03	PS	10/1/2021 12:30	92564492003	Water	7	X	X	
4	FB-1-20211001	PS	10/1/2021 14:30	92564492004	Water	7	X	X	
5	EB-1-20211001	PS	10/1/2021 15:00	92564492005	Water	7	X	X	
6	TRIP BLANK	PS	10/1/2021 00:00	92564492006	Water	2	X		

Transfers	Released By	Date/Time	Received By	Date/Time
1	KS Pace HVL	10/4/21 1600		10/5 1014
2				
3				

Comments: Project not received with trip blanks

Cooler Temperature on Receipt 5.1 °C | **Custody Seal** Y or (N) | **Received on Ice** (Y) or N | **Samples Intact** (Y) or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.

FedEx

TRACK ANOTHER SHIPMENT

987548461236

ADD NICKNAME

Delivered
Tuesday, October 5, 2021 at 10:14 am

DELIVERED

Signed for by: P.PATRATUS

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM	TO
Huntersville, NC US	EAST LONGMEADOW, MA US

Travel History

TIME ZONE
Local Scan Time

Tuesday, October 5, 2021

10:14 AM	EAST LONGMEADOW, MA	Delivered
8:38 AM	WINDSOR LOCKS, CT	On FedEx vehicle for delivery
8:29 AM	WINDSOR LOCKS, CT	At local FedEx facility
7:31 AM	EAST GRANBY, CT	At destination sort facility
5:40 AM	INDIANAPOLIS, IN	Departed FedEx hub
12:26 AM	INDIANAPOLIS, IN	Arrived at FedEx hub

Monday, October 4, 2021

8:51 PM	CONCORD, NC	Left FedEx origin facility
5:39 PM	CONCORD, NC	Picked up
3:58 PM		Shipment information sent to FedEx

Shipment Facts

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Pace NC

Received By MP Date 12/5 Time 1014

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____ Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 3 Actual Temp - 5.4

By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? T

Do all samples have the proper pH? NA Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-	35	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 11, 2021

Andrew Wreschnig
AECOM
6000 Fairview Road
Suite 200
Charlotte, NC 28210

RE: Project: CPC Huntersville 60639876
Pace Project No.: 92564678

Dear Andrew Wreschnig:

Enclosed are the analytical results for sample(s) received by the laboratory on October 04, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Teresa Amentt Jennings, AECOM
Jeff Morrison, Colonial Pipeline Company

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CERTIFICATIONS

Project: CPC Huntersville 60639876
Pace Project No.: 92564678

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

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SAMPLE SUMMARY

Project: CPC Huntersville 60639876
Pace Project No.: 92564678

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92564678001	**MW-50**	Water	10/04/21 08:55	10/04/21 16:30
92564678002	**MW-46**	Water	10/04/21 10:15	10/04/21 16:30
92564678003	**MW-08**	Water	10/04/21 11:30	10/04/21 16:30
92564678004	**MW-13**	Water	10/04/21 13:10	10/04/21 16:30
92564678005	**MW-60**	Water	10/04/21 13:05	10/04/21 16:30
92564678006	**MW-44**	Water	10/04/21 14:00	10/04/21 16:30
92564678007	**MW-62**	Water	10/04/21 15:00	10/04/21 16:30
92564678008	**EB-1-20211004**	Water	10/04/21 14:40	10/04/21 16:30
92564678009	**FB-1-20211004**	Water	10/04/21 14:00	10/04/21 16:30
92564678010	**TRIP BLANK**	Water	10/04/21 00:00	10/04/21 16:30

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SAMPLE ANALYTE COUNT

Project: CPC Huntersville 60639876
Pace Project No.: 92564678

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92564678001	**MW-50**	EPA 6010D	CBV	1	PASI-A
92564678002	**MW-46**	EPA 6010D	CBV	1	PASI-A
92564678003	**MW-08**	EPA 6010D	CBV	1	PASI-A
92564678004	**MW-13**	EPA 6010D	CBV	1	PASI-A
92564678005	**MW-60**	EPA 6010D	CBV	1	PASI-A
92564678006	**MW-44**	EPA 6010D	CBV	1	PASI-A
92564678007	**MW-62**	EPA 6010D	CBV	1	PASI-A
92564678008	**EB-1-20211004**	EPA 6010D	CBV	1	PASI-A

PASI-A = Pace Analytical Services - Asheville

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ANALYTICAL RESULTS

Project: CPC Huntersville 60639876
Pace Project No.: 92564678

Sample: MW-50 **Lab ID: 92564678001** Collected: 10/04/21 08:55 Received: 10/04/21 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/05/21 02:57	10/06/21 01:47	7439-92-1	BC

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CPC Huntersville 60639876
Pace Project No.: 92564678

Sample: MW-46 **Lab ID: 92564678002** Collected: 10/04/21 10:15 Received: 10/04/21 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/05/21 02:57	10/06/21 02:06	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC Huntersville 60639876
Pace Project No.: 92564678

Sample: MW-08 **Lab ID: 92564678003** Collected: 10/04/21 11:30 Received: 10/04/21 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/05/21 02:57	10/06/21 02:10	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC Huntersville 60639876
Pace Project No.: 92564678

Sample: MW-13 **Lab ID: 92564678004** Collected: 10/04/21 13:10 Received: 10/04/21 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/05/21 02:57	10/06/21 02:13	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC Huntersville 60639876
Pace Project No.: 92564678

Sample: MW-60 **Lab ID: 92564678005** Collected: 10/04/21 13:05 Received: 10/04/21 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/05/21 02:57	10/06/21 02:16	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC Huntersville 60639876
Pace Project No.: 92564678

Sample: MW-44 **Lab ID: 92564678006** Collected: 10/04/21 14:00 Received: 10/04/21 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/05/21 02:57	10/06/21 02:20	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC Huntersville 60639876
Pace Project No.: 92564678

Sample: MW-62 **Lab ID: 92564678007** Collected: 10/04/21 15:00 Received: 10/04/21 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/05/21 02:57	10/06/21 02:23	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC Huntersville 60639876
Pace Project No.: 92564678

Sample: EB-1-20211004 **Lab ID: 92564678008** Collected: 10/04/21 14:40 Received: 10/04/21 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/05/21 02:57	10/06/21 02:26	7439-92-1	

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QUALITY CONTROL DATA

Project: CPC Huntersville 60639876
Pace Project No.: 92564678

QC Batch: 650764
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92564678001, 92564678002, 92564678003, 92564678004, 92564678005, 92564678006, 92564678007, 92564678008

METHOD BLANK: 3412831 Matrix: Water
Associated Lab Samples: 92564678001, 92564678002, 92564678003, 92564678004, 92564678005, 92564678006, 92564678007, 92564678008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	4.5	10/06/21 01:40	

LABORATORY CONTROL SAMPLE: 3412832

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	468	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3412833 3412834

Parameter	Units	92564678001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	483	476	96	94	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: CPC Huntersville 60639876
Pace Project No.: 92564678

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

BC	The same analyte was detected in an associated blank at a concentration above 1/2 the reporting limit but below the laboratory reporting limit.

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Huntersville, NC 28078
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CPC Huntersville 60639876
Pace Project No.: 92564678

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92564678001	**MW-50**	EPA 3010A	650764	EPA 6010D	650775
92564678002	**MW-46**	EPA 3010A	650764	EPA 6010D	650775
92564678003	**MW-08**	EPA 3010A	650764	EPA 6010D	650775
92564678004	**MW-13**	EPA 3010A	650764	EPA 6010D	650775
92564678005	**MW-60**	EPA 3010A	650764	EPA 6010D	650775
92564678006	**MW-44**	EPA 3010A	650764	EPA 6010D	650775
92564678007	**MW-62**	EPA 3010A	650764	EPA 6010D	650775
92564678008	**EB-1-20211004**	EPA 3010A	650764	EPA 6010D	650775

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Pace Analytical	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: October 28, 2020 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.07	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☑ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: AECOM

Project #

WO# : 92564678

92564678

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other:____

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☑ No

Date/Initials Person Examining Contents:_____

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☐ N/A

Thermometer: ☐ IR Gun ID: 92064 ☐ Wet ☐ Blue ☐ None Type of Ice:

Cooler Temp: 2.7 Correction Factor: Add/Subtract (°C) 0

Cooler Temp Corrected (°C): 2.7

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (Internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☑ Yes	☐ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W+				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☑ No	☐ N/A	10.
Trip Blank Present?	☑ Yes	☐ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☐ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

Project # **WO#: 92564678**

PM: BV Due Date: 10/07/21

CLIENT: 92-AECOM CHA

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1						1										7													
2						1										7													
3						1										7													
4						1										7													
5						1										7													
6						1										7													
7						1										7													
8						1										7													
9																7													
10																2													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).

WO# : 92564678 Purple

PM: BV Due Date: 10/07/21

CLIENT: 92-AECOM CHA

Pace Analytical
WWW.PACELABS.COM

CHAIN-OF-CUSTODY / Analytical Rec

The Chain-of-Custody is a LEGAL DOCUMENT. All relevar

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at htt

Page : 1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	AECOM	Report To:	Andy Wreschnig	Attention:	
Address:	6000 Fairview Road	Copy To:		Company Name:	
Suite 200, Charlotte, NC 28210				Address:	
Email:	andrew.wreschnig@aecom.com	Purchase Order #:		Pace Quote:	60639876
Phone:	(704)716-0757 Fax	Project Name:	CPC Huntersville-60639876	Pace Project Manager:	bonnie.vang@pacelabs.com,
Requested Due Date:	3-Day TAT	Project #:		Pace Profile #:	12518-3

Regulatory Agency

State / Location: NC

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analyses Test: 6200B	VPH	6010-Pb	n-butanol by 6200	Trip BLANK	Residual Chlorine (Y/N)	
1	MW-50	WT	G	10/4/21	0855				8			1	7						X	X	X				3-Day TAT
2	MW-46				1015																				
3	MW-08				1130																				
4	MW-13				1310																				
5	MW-60				1305																				
6	MW-44				1400																				
7	MW-62				1500																				
8	EB-1-20211004				1440																				
9	FB-1-20211004				1400				7				7						X	X					
10	Trip Blank	Lab Provided							2														X		
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
3-Day TAT	Mike de Kozlowski / AECOM	10/4/21	1630	JB Pace HVL	10/04/21	1630	2.7	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Mike de Kozlowski

SIGNATURE of SAMPLER: Mike de Kozlowski DATE Signed: 10/4/21

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October 11, 2021

Bonnie Vang
Pace Analytical Services - NC
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078

Project Location: CPC Huntersville 60639876
Client Job Number:
Project Number: 92564678
Laboratory Work Order Number: 21J0269

Enclosed are results of analyses for samples as received by the laboratory on October 5, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Pace Analytical Services - NC
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
ATTN: Bonnie Vang

REPORT DATE: 10/11/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 92564678

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21J0269

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: CPC Huntersville 60639876

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-50	21J0269-01	Ground Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-46	21J0269-02	Ground Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-08	21J0269-03	Ground Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-13	21J0269-04	Ground Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-60	21J0269-05	Ground Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-44	21J0269-06	Ground Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-62	21J0269-07	Ground Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
EB-1-20211004	21J0269-08	Ground Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
FB-1-20211004	21J0269-09	Ground Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
Trip Blank	21J0269-10	Ground Water		SM21-23 6200B	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6200B, elevated reporting limits for sample(s) 21J0269-01 due to a high concentration of non-target compounds.

MADEP-VPH-Feb 2018 Rev 2.1

Qualifications:

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

C9-C10 Aromatics
21J0269-01[MW-50]

SM21-23 6200B

Qualifications:

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

1,2-Dichloropropane
B291914-BS1, B291914-BSD1

L-06

Laboratory fortified blank/laboratory control sample recovery and/or duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Diisopropyl Ether (DIPE)
21J0269-01[MW-50], B291914-BS1, B291914-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

1,2,3-Trichloropropane
B291914-BS1

Methylene Chloride
B291914-BS1

RL-13

Elevated reporting limit due to high concentration of non-target compounds.

Analyte & Samples(s) Qualified:

21J0269-01[MW-50]

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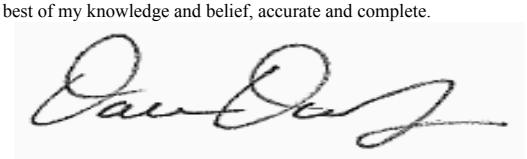
MADEP-VPH-Feb 2018 Rev 2.1

No significant modifications were made to the method. All VPH samples were received preserved properly at pH <2 in the proper containers as specified on the chain-of-custody form unless specified in this narrative.

Analytical column used for VPH analysis is Restek, Rtx-502.2, 105meter, 0.53mmID, 3um df. Trap used for VPH analysis is Carbopack B/CarboSieveS-III.

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Daren J. Damboragian
Director of Operations

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0269

Date Received: 10/5/2021

Field Sample #: MW-50 Sampled: 10/4/2021 08:55

Sample ID: 21J0269-01

Sample Matrix: Ground Water

Sample Flags: RL-13

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	62	1.0	0.26	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
Bromobenzene	ND	1.0	0.26	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
Bromochloromethane	ND	1.0	0.72	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
Bromodichloromethane	ND	1.0	0.28	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
Bromoform	ND	2.0	0.58	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
Bromomethane	ND	10	2.1	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
n-Butylbenzene	ND	1.0	0.28	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
sec-Butylbenzene	ND	1.0	0.20	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
tert-Butylbenzene	ND	1.0	0.18	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
Carbon Tetrachloride	ND	1.0	0.34	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
Chlorobenzene	ND	1.0	0.16	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
Chlorodibromomethane	ND	1.0	0.32	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
Chloroethane	ND	1.0	0.74	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
Chloroform	ND	1.0	0.38	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
Chloromethane	ND	1.2	0.76	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
2-Chlorotoluene	ND	1.0	0.18	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
4-Chlorotoluene	ND	1.0	0.20	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	1.4	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
1,2-Dibromoethane (EDB)	ND	1.0	0.30	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
Dibromomethane	ND	2.0	0.58	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
1,2-Dichlorobenzene	ND	1.0	0.20	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
1,3-Dichlorobenzene	ND	1.0	0.18	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
1,4-Dichlorobenzene	ND	1.0	0.22	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
Dichlorodifluoromethane (Freon 12)	ND	1.0	0.40	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
1,1-Dichloroethane	ND	1.0	0.32	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
1,2-Dichloroethane	ND	1.0	0.64	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
1,1-Dichloroethylene	ND	1.0	0.32	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.30	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.34	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
1,2-Dichloropropane	ND	1.0	0.36	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
1,3-Dichloropropane	ND	1.0	0.24	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
2,2-Dichloropropane	ND	1.0	0.62	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
1,1-Dichloropropene	ND	1.0	0.52	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
cis-1,3-Dichloropropene	ND	1.0	0.24	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
trans-1,3-Dichloropropene	ND	1.0	0.30	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
Diisopropyl Ether (DIPE)	15	1.0	0.30	µg/L	2	L-06	SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
Ethylbenzene	10	1.0	0.18	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
Hexachlorobutadiene	ND	1.2	0.82	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
Isopropylbenzene (Cumene)	0.34	1.0	0.20	µg/L	2	J	SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
Methyl tert-Butyl Ether (MTBE)	1.4	1.0	0.34	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
Methylene Chloride	ND	10	0.60	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
Naphthalene	2.4	1.0	0.30	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
n-Propylbenzene	0.48	1.0	0.16	µg/L	2	J	SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
Styrene	ND	1.0	0.16	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0269

Date Received: 10/5/2021

Field Sample #: MW-50 Sampled: 10/4/2021 08:55

Sample ID: 21J0269-01

Sample Matrix: Ground Water

Sample Flags: RL-13

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	1.0	0.28	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
1,1,2,2-Tetrachloroethane	ND	1.0	0.18	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
Tetrachloroethylene	ND	1.0	0.40	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
Toluene	100	1.0	0.22	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
1,2,3-Trichlorobenzene	ND	2.0	0.28	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
1,2,4-Trichlorobenzene	ND	1.0	0.32	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
1,1,1-Trichloroethane	ND	1.0	0.34	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
1,1,2-Trichloroethane	ND	1.0	0.30	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
Trichloroethylene	ND	1.0	0.36	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
Trichlorofluoromethane (Freon 11)	ND	1.0	0.38	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
1,2,3-Trichloropropane	ND	1.0	0.62	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
1,2,4-Trimethylbenzene	11	1.0	0.20	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
1,3,5-Trimethylbenzene	4.3	1.0	0.20	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
Vinyl Chloride	ND	1.0	0.40	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
m+p Xylene	95	2.0	0.36	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD
o-Xylene	83	1.0	0.18	µg/L	2		SM21-23 6200B	10/7/21	10/7/21 22:03	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	79.6	70-130		10/7/21 22:03
Toluene-d8	94.6	70-130		10/7/21 22:03
4-Bromofluorobenzene	101	70-130		10/7/21 22:03

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0269

Date Received: 10/5/2021

Field Sample #: MW-50 Sampled: 10/4/2021 08:55

Sample ID: 21J0269-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	790	200	µg/L	2		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 19:58	KMB
C5-C8 Aliphatics	590	200	µg/L	2		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 19:58	KMB
Unadjusted C9-C12 Aliphatics	350	200	µg/L	2		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 19:58	KMB
C9-C12 Aliphatics	ND	200	µg/L	2		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 19:58	KMB
C9-C10 Aromatics	ND	200	µg/L	2	RL-12	MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 19:58	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	125	70-130		10/9/21 19:58
2,5-Dibromotoluene (PID)	128	70-130		10/9/21 19:58

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0269

Date Received: 10/5/2021

Field Sample #: MW-46 Sampled: 10/4/2021 10:15

Sample ID: 21J0269-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
Chloromethane	ND	0.60	0.38	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0269

Date Received: 10/5/2021

Field Sample #: MW-46 Sampled: 10/4/2021 10:15

Sample ID: 21J0269-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
Toluene	0.29	0.50	0.11	µg/L	1	J	SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
m+p Xylene	0.26	1.0	0.18	µg/L	1	J	SM21-23 6200B	10/7/21	10/7/21 19:00	LBD
o-Xylene	0.21	0.50	0.090	µg/L	1	J	SM21-23 6200B	10/7/21	10/7/21 19:00	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	78.9	70-130		10/7/21 19:00
Toluene-d8	93.8	70-130		10/7/21 19:00
4-Bromofluorobenzene	100	70-130		10/7/21 19:00

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0269

Date Received: 10/5/2021

Field Sample #: MW-46 Sampled: 10/4/2021 10:15

Sample ID: 21J0269-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 13:36	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 13:36	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 13:36	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 13:36	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 13:36	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	85.5	70-130		10/9/21 13:36
2,5-Dibromotoluene (PID)	101	70-130		10/9/21 13:36

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0269

Date Received: 10/5/2021

Field Sample #: MW-08 Sampled: 10/4/2021 11:30

Sample ID: 21J0269-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
Chloroform	0.23	0.50	0.19	µg/L	1	J	SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
Chloromethane	ND	0.60	0.38	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0269

Date Received: 10/5/2021

Field Sample #: MW-08 Sampled: 10/4/2021 11:30

Sample ID: 21J0269-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:27	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	82.9	70-130		10/7/21 19:27
Toluene-d8	94.2	70-130		10/7/21 19:27
4-Bromofluorobenzene	99.9	70-130		10/7/21 19:27

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0269

Date Received: 10/5/2021

Field Sample #: MW-08 Sampled: 10/4/2021 11:30

Sample ID: 21J0269-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 14:05	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 14:05	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 14:05	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 14:05	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 14:05	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	75.2	70-130		10/9/21 14:05
2,5-Dibromotoluene (PID)	95.1	70-130		10/9/21 14:05

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0269

Date Received: 10/5/2021

Field Sample #: MW-13 Sampled: 10/4/2021 13:10

Sample ID: 21J0269-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
Chloroform	0.72	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
Chloromethane	ND	0.60	0.38	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0269

Date Received: 10/5/2021

Field Sample #: MW-13 Sampled: 10/4/2021 13:10

Sample ID: 21J0269-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
Tetrachloroethylene	0.24	0.50	0.20	µg/L	1	J	SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 19:53	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	81.2	70-130		10/7/21 19:53
Toluene-d8	93.2	70-130		10/7/21 19:53
4-Bromofluorobenzene	100	70-130		10/7/21 19:53

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0269

Date Received: 10/5/2021

Field Sample #: MW-13 Sampled: 10/4/2021 13:10

Sample ID: 21J0269-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 14:35	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 14:35	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 14:35	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 14:35	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 14:35	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	102	70-130		10/9/21 14:35
2,5-Dibromotoluene (PID)	103	70-130		10/9/21 14:35

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0269

Date Received: 10/5/2021

Field Sample #: MW-60 Sampled: 10/4/2021 13:05

Sample ID: 21J0269-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
Chloromethane	ND	0.60	0.38	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0269

Date Received: 10/5/2021

Field Sample #: MW-60 Sampled: 10/4/2021 13:05

Sample ID: 21J0269-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:19	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	79.8	70-130		10/7/21 20:19
Toluene-d8	94.7	70-130		10/7/21 20:19
4-Bromofluorobenzene	102	70-130		10/7/21 20:19

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0269

Date Received: 10/5/2021

Field Sample #: MW-60 Sampled: 10/4/2021 13:05

Sample ID: 21J0269-05

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 15:04	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 15:04	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 15:04	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 15:04	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 15:04	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	76.5	70-130		10/9/21 15:04
2,5-Dibromotoluene (PID)	99.8	70-130		10/9/21 15:04

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0269

Date Received: 10/5/2021

Field Sample #: MW-44 Sampled: 10/4/2021 14:00

Sample ID: 21J0269-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
Chloromethane	ND	0.60	0.38	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0269

Date Received: 10/5/2021

Field Sample #: MW-44 Sampled: 10/4/2021 14:00

Sample ID: 21J0269-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 20:45	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	80.0	70-130		10/7/21 20:45
Toluene-d8	95.2	70-130		10/7/21 20:45
4-Bromofluorobenzene	100	70-130		10/7/21 20:45

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0269

Date Received: 10/5/2021

Field Sample #: MW-44 Sampled: 10/4/2021 14:00

Sample ID: 21J0269-06

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 15:33	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 15:33	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 15:33	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 15:33	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 15:33	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	78.0	70-130		10/9/21 15:33
2,5-Dibromotoluene (PID)	97.7	70-130		10/9/21 15:33

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0269

Date Received: 10/5/2021

Field Sample #: MW-62 Sampled: 10/4/2021 15:00

Sample ID: 21J0269-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
Bromodichloromethane	0.28	0.50	0.14	µg/L	1	J	SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
Chloroform	0.91	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
Chloromethane	ND	0.60	0.38	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0269

Date Received: 10/5/2021

Field Sample #: MW-62 Sampled: 10/4/2021 15:00

Sample ID: 21J0269-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:11	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	80.1	70-130		10/7/21 21:11
Toluene-d8	94.4	70-130		10/7/21 21:11
4-Bromofluorobenzene	99.5	70-130		10/7/21 21:11

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0269

Date Received: 10/5/2021

Field Sample #: MW-62 Sampled: 10/4/2021 15:00

Sample ID: 21J0269-07

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 16:03	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 16:03	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 16:03	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 16:03	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 16:03	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	76.2	70-130		10/9/21 16:03
2,5-Dibromotoluene (PID)	104	70-130		10/9/21 16:03

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0269

Date Received: 10/5/2021

Field Sample #: EB-1-20211004 Sampled: 10/4/2021 14:40

Sample ID: 21J0269-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
Chloromethane	ND	0.60	0.38	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
Methylene Chloride	0.88	5.0	0.30	µg/L	1	J	SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0269

Date Received: 10/5/2021

Field Sample #: EB-1-20211004 Sampled: 10/4/2021 14:40

Sample ID: 21J0269-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:47	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	81.4	70-130		10/7/21 13:47
Toluene-d8	94.4	70-130		10/7/21 13:47
4-Bromofluorobenzene	100	70-130		10/7/21 13:47

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0269

Date Received: 10/5/2021

Field Sample #: EB-1-20211004 Sampled: 10/4/2021 14:40

Sample ID: 21J0269-08

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 10:39	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 10:39	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 10:39	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 10:39	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 10:39	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	105	70-130		10/9/21 10:39
2,5-Dibromotoluene (PID)	103	70-130		10/9/21 10:39

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0269

Date Received: 10/5/2021

Field Sample #: FB-1-20211004 Sampled: 10/4/2021 14:00

Sample ID: 21J0269-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
Chloromethane	ND	0.60	0.38	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
Methylene Chloride	1.0	5.0	0.30	µg/L	1	J	SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0269

Date Received: 10/5/2021

Field Sample #: FB-1-20211004 Sampled: 10/4/2021 14:00

Sample ID: 21J0269-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 14:13	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	83.4	70-130		10/7/21 14:13
Toluene-d8	94.1	70-130		10/7/21 14:13
4-Bromofluorobenzene	101	70-130		10/7/21 14:13

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0269

Date Received: 10/5/2021

Field Sample #: FB-1-20211004 Sampled: 10/4/2021 14:00

Sample ID: 21J0269-09

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 11:09	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 11:09	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 11:09	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 11:09	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 11:09	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	89.8	70-130		10/9/21 11:09
2,5-Dibromotoluene (PID)	107	70-130		10/9/21 11:09

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0269

Date Received: 10/5/2021

Field Sample #: Trip Blank Sampled: 10/4/2021 00:00

Sample ID: 21J0269-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
Chloromethane	ND	0.60	0.38	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
Methylene Chloride	1.1	5.0	0.30	µg/L	1	J	SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0269

Date Received: 10/5/2021

Field Sample #: Trip Blank Sampled: 10/4/2021 00:00

Sample ID: 21J0269-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 12:54	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	80.6	70-130		10/7/21 12:54
Toluene-d8	93.9	70-130		10/7/21 12:54
4-Bromofluorobenzene	101	70-130		10/7/21 12:54

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Sample Extraction Data

Prep Method: MA VPH **Analytical Method: MADEP-VPH-Feb 2018 Rev 2.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21J0269-01 [MW-50]	B292077	2.5	5.00	10/08/21
21J0269-02 [MW-46]	B292077	5	5.00	10/08/21
21J0269-03 [MW-08]	B292077	5	5.00	10/08/21
21J0269-04 [MW-13]	B292077	5	5.00	10/08/21
21J0269-05 [MW-60]	B292077	5	5.00	10/08/21
21J0269-06 [MW-44]	B292077	5	5.00	10/08/21
21J0269-07 [MW-62]	B292077	5	5.00	10/08/21
21J0269-08 [EB-1-20211004]	B292077	5	5.00	10/08/21
21J0269-09 [FB-1-20211004]	B292077	5	5.00	10/08/21

Prep Method: SW-846 5030B **Analytical Method: SM21-23 6200B**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21J0269-01 [MW-50]	B291914	2.5	5.00	10/07/21
21J0269-02 [MW-46]	B291914	5	5.00	10/07/21
21J0269-03 [MW-08]	B291914	5	5.00	10/07/21
21J0269-04 [MW-13]	B291914	5	5.00	10/07/21
21J0269-05 [MW-60]	B291914	5	5.00	10/07/21
21J0269-06 [MW-44]	B291914	5	5.00	10/07/21
21J0269-07 [MW-62]	B291914	5	5.00	10/07/21
21J0269-08 [EB-1-20211004]	B291914	5	5.00	10/07/21
21J0269-09 [FB-1-20211004]	B291914	5	5.00	10/07/21
21J0269-10 [Trip Blank]	B291914	5	5.00	10/07/21

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291914 - SW-846 5030B										
Blank (B291914-BLK1)				Prepared & Analyzed: 10/07/21						
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromochloromethane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	2.0	µg/L							
n-Butylbenzene	ND	0.50	µg/L							
sec-Butylbenzene	ND	0.50	µg/L							
tert-Butylbenzene	ND	0.50	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
Naphthalene	ND	0.50	µg/L							
n-Propylbenzene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
1,2,3-Trichlorobenzene	ND	1.0	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291914 - SW-846 5030B												
Blank (B291914-BLK1)				Prepared & Analyzed: 10/07/21								
Trichloroethylene	ND	0.50	µg/L									
Trichlorofluoromethane (Freon 11)	ND	0.50	µg/L									
1,2,3-Trichloropropane	ND	0.50	µg/L									
1,2,4-Trimethylbenzene	ND	0.50	µg/L									
1,3,5-Trimethylbenzene	ND	0.50	µg/L									
Vinyl Chloride	ND	0.50	µg/L									
m+p Xylene	ND	1.0	µg/L									
o-Xylene	ND	0.50	µg/L									
Surrogate: 1,2-Dichloroethane-d4	*19.6*		µg/L	25.0		78.6		70-130				
Surrogate: Toluene-d8	*23.6*		µg/L	25.0		94.4		70-130				
Surrogate: 4-Bromofluorobenzene	*24.6*		µg/L	25.0		98.3		70-130				
LCS (B291914-BS1)				Prepared & Analyzed: 10/07/21								
Benzene	9.25	0.50	µg/L	10.0		92.5		70-130				
Bromobenzene	11.3	0.50	µg/L	10.0		113		70-130				
Bromochloromethane	11.8	0.50	µg/L	10.0		118		70-130				
Bromodichloromethane	9.52	0.50	µg/L	10.0		95.2		70-130				
Bromoform	12.3	0.50	µg/L	10.0		123		70-130				
Bromomethane	9.90	2.0	µg/L	10.0		99.0		60-140				†
n-Butylbenzene	8.45	0.50	µg/L	10.0		84.5		70-130				
sec-Butylbenzene	9.07	0.50	µg/L	10.0		90.7		70-130				
tert-Butylbenzene	9.94	0.50	µg/L	10.0		99.4		70-130				
Carbon Tetrachloride	9.62	0.50	µg/L	10.0		96.2		70-130				
Chlorobenzene	11.4	0.50	µg/L	10.0		114		70-130				
Chlorodibromomethane	11.3	0.50	µg/L	10.0		113		70-130				
Chloroethane	9.92	0.50	µg/L	10.0		99.2		60-140				
Chloroform	8.29	0.50	µg/L	10.0		82.9		70-130				
Chloromethane	6.33	0.60	µg/L	10.0		63.3		60-140				†
2-Chlorotoluene	10.3	0.50	µg/L	10.0		103		70-130				
4-Chlorotoluene	10.3	0.50	µg/L	10.0		103		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	8.26	5.0	µg/L	10.0		82.6		70-130				
1,2-Dibromoethane (EDB)	11.0	0.50	µg/L	10.0		110		70-130				
Dibromomethane	11.2	1.0	µg/L	10.0		112		70-130				
1,2-Dichlorobenzene	9.92	0.50	µg/L	10.0		99.2		70-130				
1,3-Dichlorobenzene	9.85	0.50	µg/L	10.0		98.5		70-130				
1,4-Dichlorobenzene	9.93	0.50	µg/L	10.0		99.3		70-130				
Dichlorodifluoromethane (Freon 12)	9.28	0.50	µg/L	10.0		92.8		60-140				†
1,1-Dichloroethane	11.5	0.50	µg/L	10.0		115		70-130				
1,2-Dichloroethane	11.8	0.50	µg/L	10.0		118		70-130				
1,1-Dichloroethylene	11.5	0.50	µg/L	10.0		115		70-130				
cis-1,2-Dichloroethylene	11.8	0.50	µg/L	10.0		118		70-130				
trans-1,2-Dichloroethylene	12.7	0.50	µg/L	10.0		127		70-130				
1,2-Dichloropropane	13.6	0.50	µg/L	10.0		**136**	*	70-130			L-02	
1,3-Dichloropropane	10.5	0.50	µg/L	10.0		105		70-130				
2,2-Dichloropropane	8.43	0.50	µg/L	10.0		84.3		70-130				†
1,1-Dichloropropene	9.07	0.50	µg/L	10.0		90.7		70-130				
cis-1,3-Dichloropropene	9.78	0.50	µg/L	10.0		97.8		70-130				
trans-1,3-Dichloropropene	9.45	0.50	µg/L	10.0		94.5		70-130				
Diisopropyl Ether (DIPE)	14.4	0.50	µg/L	10.0		**144**	*	70-130			L-06	
Ethylbenzene	11.0	0.50	µg/L	10.0		110		70-130				
Hexachlorobutadiene	9.43	0.60	µg/L	10.0		94.3		70-130				
Isopropylbenzene (Cumene)	11.3	0.50	µg/L	10.0		113		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291914 - SW-846 5030B												
LCS (B291914-BS1)				Prepared & Analyzed: 10/07/21								
Methyl tert-Butyl Ether (MTBE)	8.51	0.50	µg/L	10.0		85.1		70-130				
Methylene Chloride	13.4	5.0	µg/L	10.0		**134**	*	70-130			L-07	
Naphthalene	8.21	0.50	µg/L	10.0		82.1		70-130				†
n-Propylbenzene	10.4	0.50	µg/L	10.0		104		70-130				
Styrene	11.8	0.50	µg/L	10.0		118		70-130				
1,1,1,2-Tetrachloroethane	12.4	0.50	µg/L	10.0		124		70-130				
1,1,2,2-Tetrachloroethane	11.6	0.50	µg/L	10.0		116		70-130				
Tetrachloroethylene	11.5	0.50	µg/L	10.0		115		70-130				
Toluene	9.93	0.50	µg/L	10.0		99.3		70-130				
1,2,3-Trichlorobenzene	9.03	1.0	µg/L	10.0		90.3		70-130				
1,2,4-Trichlorobenzene	10.0	0.50	µg/L	10.0		100		70-130				
1,1,1-Trichloroethane	8.88	0.50	µg/L	10.0		88.8		70-130				
1,1,2-Trichloroethane	11.0	0.50	µg/L	10.0		110		70-130				
Trichloroethylene	10.9	0.50	µg/L	10.0		109		70-130				
Trichlorofluoromethane (Freon 11)	8.03	0.50	µg/L	10.0		80.3		70-130				
1,2,3-Trichloropropane	13.4	0.50	µg/L	10.0		**134**	*	70-130			L-07	
1,2,4-Trimethylbenzene	9.41	0.50	µg/L	10.0		94.1		70-130				
1,3,5-Trimethylbenzene	11.2	0.50	µg/L	10.0		112		70-130				
Vinyl Chloride	11.6	0.50	µg/L	10.0		116		60-140				†
m+p Xylene	21.6	1.0	µg/L	20.0		108		70-130				
o-Xylene	10.4	0.50	µg/L	10.0		104		70-130				
Surrogate: 1,2-Dichloroethane-d4	*20.2*		µg/L	25.0		80.8		70-130				
Surrogate: Toluene-d8	*23.8*		µg/L	25.0		95.2		70-130				
Surrogate: 4-Bromofluorobenzene	*25.5*		µg/L	25.0		102		70-130				
LCS Dup (B291914-BSD1)				Prepared & Analyzed: 10/07/21								
Benzene	8.91	0.50	µg/L	10.0		89.1		70-130	3.74	25		
Bromobenzene	10.7	0.50	µg/L	10.0		107		70-130	5.35	25		
Bromochloromethane	11.3	0.50	µg/L	10.0		113		70-130	4.07	25		
Bromodichloromethane	9.23	0.50	µg/L	10.0		92.3		70-130	3.09	25		
Bromoform	12.1	0.50	µg/L	10.0		121		70-130	1.88	25		
Bromomethane	11.0	2.0	µg/L	10.0		110		60-140	10.3	25		†
n-Butylbenzene	8.39	0.50	µg/L	10.0		83.9		70-130	0.713	25		
sec-Butylbenzene	9.27	0.50	µg/L	10.0		92.7		70-130	2.18	25		
tert-Butylbenzene	9.98	0.50	µg/L	10.0		99.8		70-130	0.402	25		
Carbon Tetrachloride	9.43	0.50	µg/L	10.0		94.3		70-130	1.99	25		
Chlorobenzene	11.3	0.50	µg/L	10.0		113		70-130	1.06	25		
Chlorodibromomethane	10.8	0.50	µg/L	10.0		108		70-130	4.97	25		
Chloroethane	9.59	0.50	µg/L	10.0		95.9		60-140	3.38	25		
Chloroform	7.93	0.50	µg/L	10.0		79.3		70-130	4.44	25		
Chloromethane	6.19	0.60	µg/L	10.0		61.9		60-140	2.24	25		†
2-Chlorotoluene	9.87	0.50	µg/L	10.0		98.7		70-130	4.55	25		
4-Chlorotoluene	10.0	0.50	µg/L	10.0		100		70-130	2.75	25		
1,2-Dibromo-3-chloropropane (DBCP)	8.75	5.0	µg/L	10.0		87.5		70-130	5.76	25		
1,2-Dibromoethane (EDB)	10.8	0.50	µg/L	10.0		108		70-130	2.11	25		
Dibromomethane	10.8	1.0	µg/L	10.0		108		70-130	3.64	25		
1,2-Dichlorobenzene	9.97	0.50	µg/L	10.0		99.7		70-130	0.503	25		
1,3-Dichlorobenzene	9.74	0.50	µg/L	10.0		97.4		70-130	1.12	25		
1,4-Dichlorobenzene	10.0	0.50	µg/L	10.0		100		70-130	1.00	25		
Dichlorodifluoromethane (Freon 12)	8.74	0.50	µg/L	10.0		87.4		60-140	5.99	25		†
1,1-Dichloroethane	10.9	0.50	µg/L	10.0		109		70-130	5.00	25		
1,2-Dichloroethane	11.6	0.50	µg/L	10.0		116		70-130	1.54	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291914 - SW-846 5030B												
LCS Dup (B291914-BSD1)				Prepared & Analyzed: 10/07/21								
1,1-Dichloroethylene	10.9	0.50	µg/L	10.0		109		70-130	5.90	25		
cis-1,2-Dichloroethylene	11.5	0.50	µg/L	10.0		115		70-130	2.92	25		
trans-1,2-Dichloroethylene	11.8	0.50	µg/L	10.0		118		70-130	7.10	25		
1,2-Dichloropropane	13.1	0.50	µg/L	10.0		**131**	*	70-130	3.37	25	L-02	
1,3-Dichloropropane	10.4	0.50	µg/L	10.0		104		70-130	0.957	25		
2,2-Dichloropropane	8.45	0.50	µg/L	10.0		84.5		70-130	0.237	25		†
1,1-Dichloropropene	8.72	0.50	µg/L	10.0		87.2		70-130	3.93	25		
cis-1,3-Dichloropropene	9.90	0.50	µg/L	10.0		99.0		70-130	1.22	25		
trans-1,3-Dichloropropene	9.41	0.50	µg/L	10.0		94.1		70-130	0.424	25		
Diisopropyl Ether (DIPE)	13.5	0.50	µg/L	10.0		**135**	*	70-130	6.38	25	L-06	
Ethylbenzene	10.6	0.50	µg/L	10.0		106		70-130	4.44	25		
Hexachlorobutadiene	8.87	0.60	µg/L	10.0		88.7		70-130	6.12	25		
Isopropylbenzene (Cumene)	11.0	0.50	µg/L	10.0		110		70-130	3.05	25		
Methyl tert-Butyl Ether (MTBE)	7.95	0.50	µg/L	10.0		79.5		70-130	6.80	25		
Methylene Chloride	12.9	5.0	µg/L	10.0		129		70-130	4.34	25		
Naphthalene	8.37	0.50	µg/L	10.0		83.7		70-130	1.93	25		†
n-Propylbenzene	10.0	0.50	µg/L	10.0		100		70-130	4.01	25		
Styrene	11.3	0.50	µg/L	10.0		113		70-130	4.58	25		
1,1,1,2-Tetrachloroethane	12.3	0.50	µg/L	10.0		123		70-130	0.808	25		
1,1,2,2-Tetrachloroethane	11.2	0.50	µg/L	10.0		112		70-130	4.12	25		
Tetrachloroethylene	12.1	0.50	µg/L	10.0		121		70-130	4.74	25		
Toluene	9.81	0.50	µg/L	10.0		98.1		70-130	1.22	25		
1,2,3-Trichlorobenzene	9.02	1.0	µg/L	10.0		90.2		70-130	0.111	25		
1,2,4-Trichlorobenzene	9.83	0.50	µg/L	10.0		98.3		70-130	2.01	25		
1,1,1-Trichloroethane	8.33	0.50	µg/L	10.0		83.3		70-130	6.39	25		
1,1,2-Trichloroethane	11.2	0.50	µg/L	10.0		112		70-130	0.901	25		
Trichloroethylene	11.0	0.50	µg/L	10.0		110		70-130	0.549	25		
Trichlorofluoromethane (Freon 11)	8.02	0.50	µg/L	10.0		80.2		70-130	0.125	25		
1,2,3-Trichloropropane	12.8	0.50	µg/L	10.0		128		70-130	4.73	25		
1,2,4-Trimethylbenzene	9.49	0.50	µg/L	10.0		94.9		70-130	0.847	25		
1,3,5-Trimethylbenzene	10.7	0.50	µg/L	10.0		107		70-130	4.29	25		
Vinyl Chloride	11.0	0.50	µg/L	10.0		110		60-140	5.03	25		†
m+p Xylene	21.1	1.0	µg/L	20.0		105		70-130	2.53	25		
o-Xylene	10.2	0.50	µg/L	10.0		102		70-130	1.84	25		
Surrogate: 1,2-Dichloroethane-d4	*19.3*		µg/L	25.0		77.2		70-130				
Surrogate: Toluene-d8	*23.7*		µg/L	25.0		94.7		70-130				
Surrogate: 4-Bromofluorobenzene	*24.7*		µg/L	25.0		98.8		70-130				

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B292077 - MA VPH										
Blank (B292077-BLK1)				Prepared: 10/08/21 Analyzed: 10/09/21						
Unadjusted C5-C8 Aliphatics	ND	100	µg/L							
C5-C8 Aliphatics	ND	100	µg/L							
Unadjusted C9-C12 Aliphatics	ND	100	µg/L							
C9-C12 Aliphatics	ND	100	µg/L							
C9-C10 Aromatics	ND	100	µg/L							
Benzene	ND	1.0	µg/L							
Butylcyclohexane	ND	1.0	µg/L							
Decane	ND	1.0	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
2-Methylpentane	ND	1.0	µg/L							
Naphthalene	ND	5.0	µg/L							
Nonane	ND	1.0	µg/L							
Pentane	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
2,2,4-Trimethylpentane	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 2,5-Dibromotoluene (FID)	*42.7*		µg/L	40.0		107	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*41.4*		µg/L	40.0		104	70-130			
LCS (B292077-BS1)				Prepared: 10/08/21 Analyzed: 10/09/21						
Benzene	49.9	1.0	µg/L	50.0		99.8	70-130			
Butylcyclohexane	61.1	1.0	µg/L	50.0		122	70-130			
Decane	46.5	1.0	µg/L	50.0		93.1	70-130			
Ethylbenzene	49.9	1.0	µg/L	50.0		99.9	70-130			
Methyl tert-Butyl Ether (MTBE)	51.4	1.0	µg/L	50.0		103	70-130			
2-Methylpentane	48.3	1.0	µg/L	50.0		96.5	70-130			
Naphthalene	55.5	5.0	µg/L	50.0		111	70-130			
Nonane	61.1	1.0	µg/L	50.0		122	70-130			
Pentane	50.8	1.0	µg/L	50.0		102	70-130			
Toluene	49.7	1.0	µg/L	50.0		99.3	70-130			
1,2,4-Trimethylbenzene	48.5	1.0	µg/L	50.0		96.9	70-130			
2,2,4-Trimethylpentane	42.4	1.0	µg/L	50.0		84.7	70-130			
m+p Xylene	99.4	2.0	µg/L	100		99.4	70-130			
o-Xylene	50.3	1.0	µg/L	50.0		101	70-130			
Surrogate: 2,5-Dibromotoluene (FID)	*46.2*		µg/L	40.0		116	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*49.7*		µg/L	40.0		124	70-130			
LCS Dup (B292077-BSD1)				Prepared: 10/08/21 Analyzed: 10/09/21						
Benzene	48.0	1.0	µg/L	50.0		96.0	70-130	3.93	25	
Butylcyclohexane	59.0	1.0	µg/L	50.0		118	70-130	3.48	25	
Decane	44.1	1.0	µg/L	50.0		88.2	70-130	5.40	25	
Ethylbenzene	48.0	1.0	µg/L	50.0		96.0	70-130	3.97	25	
Methyl tert-Butyl Ether (MTBE)	50.4	1.0	µg/L	50.0		101	70-130	1.97	25	
2-Methylpentane	44.7	1.0	µg/L	50.0		89.4	70-130	7.64	25	
Naphthalene	52.8	5.0	µg/L	50.0		106	70-130	4.98	25	
Nonane	59.1	1.0	µg/L	50.0		118	70-130	3.30	25	
Pentane	48.0	1.0	µg/L	50.0		96.0	70-130	5.61	25	
Toluene	47.8	1.0	µg/L	50.0		95.6	70-130	3.79	25	
1,2,4-Trimethylbenzene	46.9	1.0	µg/L	50.0		93.8	70-130	3.28	25	

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B292077 - MA VPH										
LCS Dup (B292077-BSD1)				Prepared: 10/08/21 Analyzed: 10/09/21						
2,2,4-Trimethylpentane	38.9	1.0	µg/L	50.0		77.8	70-130	8.54	25	
m+p Xylene	95.7	2.0	µg/L	100		95.7	70-130	3.87	25	
o-Xylene	48.8	1.0	µg/L	50.0		97.5	70-130	3.10	25	
Surrogate: 2,5-Dibromotoluene (FID)	*40.7*		µg/L	40.0		102	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*46.2*		µg/L	40.0		116	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-06	Laboratory fortified blank/laboratory control sample recovery and/or duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the high side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
RL-12	Elevated reporting limit due to matrix interference.
RL-13	Elevated reporting limit due to high concentration of non-target compounds.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
MADEP-VPH-Feb 2018 Rev 2.1 in Water	
Unadjusted C5-C8 Aliphatics	CT,NC,ME,NH-P
C5-C8 Aliphatics	CT,NC,ME,NH-P
Unadjusted C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C10 Aromatics	CT,NC,ME,NH-P
Benzene	CT,NC,ME,NH-P
Ethylbenzene	CT,NC,ME,NH-P
Methyl tert-Butyl Ether (MTBE)	CT,NC,ME,NH-P
Naphthalene	CT,NC,ME,NH-P
Toluene	CT,NC,ME,NH-P
m+p Xylene	CT,NC,ME,NH-P
o-Xylene	CT,NC,ME,NH-P
SM21-23 6200B in Water	
Benzene	NC
Bromobenzene	NC
Bromochloromethane	NC
Bromodichloromethane	NC
Bromoform	NC
Bromomethane	NC
n-Butylbenzene	NC
sec-Butylbenzene	NC
tert-Butylbenzene	NC
Carbon Tetrachloride	NC
Chlorobenzene	NC
Chlorodibromomethane	NC
Chloroethane	NC
Chloroform	NC
Chloromethane	NC
2-Chlorotoluene	NC
4-Chlorotoluene	NC
1,2-Dibromoethane (EDB)	NC
1,2-Dichlorobenzene	NC
1,3-Dichlorobenzene	NC
1,4-Dichlorobenzene	NC
Dichlorodifluoromethane (Freon 12)	NC
1,1-Dichloroethane	NC
1,2-Dichloroethane	NC
1,1-Dichloroethylene	NC
cis-1,2-Dichloroethylene	NC
trans-1,2-Dichloroethylene	NC
1,2-Dichloropropane	NC
1,3-Dichloropropane	NC
2,2-Dichloropropane	NC
1,1-Dichloropropene	NC
cis-1,3-Dichloropropene	NC
trans-1,3-Dichloropropene	NC

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SM21-23 6200B in Water	
Diisopropyl Ether (DIPE)	NC
Ethylbenzene	NC
Isopropylbenzene (Cumene)	NC
Methyl tert-Butyl Ether (MTBE)	NC
Methylene Chloride	NC
Naphthalene	NC
n-Propylbenzene	NC
Styrene	NC
1,1,2,2-Tetrachloroethane	NC
Tetrachloroethylene	NC
Toluene	NC
1,2,3-Trichlorobenzene	NC
1,2,4-Trichlorobenzene	NC
1,1,1-Trichloroethane	NC
1,1,2-Trichloroethane	NC
Trichloroethylene	NC
Trichlorofluoromethane (Freon 11)	NC
1,2,3-Trichloropropane	NC
1,2,4-Trimethylbenzene	NC
1,3,5-Trimethylbenzene	NC
Vinyl Chloride	NC
m+p Xylene	NC
o-Xylene	NC

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

21J0269

Internal Transfer Chain of Custody

Pace Analytical
www.pacelabs.com

☐ Samples Pre-Logged into eCOC.

State Of Origin: NC
Cert. Needed: [X] Yes ☐ No

Workorder: 92564678 **Workorder Name:** CPC Huntersville 60639876

Owner Received Date: 10/4/2021 **Results Requested By:** 10/7/2021

Report To	Subcontract To
Bonnie Vang Pace Analytical Charlotte 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 Phone (704)875-9092	Pace New England 39 Spruce St. East Longmeadow, MA 01028 Phone (413)525-2332

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers HNO3	HCL					Requested Analysis 6200B	NC VPH										LAB USE ONLY
1	MW-50	PS	10/4/2021 08:55	92564678001	Water		7					X	X										
2	MW-46	PS	10/4/2021 10:15	92564678002	Water		7					X	X										
3	MW-08	PS	10/4/2021 11:30	92564678003	Water		7					X	X										
4	MW-13	PS	10/4/2021 13:10	92564678004	Water		7					X	X										
5	MW-60	PS	10/4/2021 13:05	92564678005	Water		7					X	X										
6	MW-44	PS	10/4/2021 14:00	92564678006	Water		7					X	X										
7	MW-62	PS	10/4/2021 15:00	92564678007	Water		7					X	X										
8	EB-1-20211004	PS	10/4/2021 14:40	92564678008	Water		7					X	X										
9	FB-1-20211004	PS	10/4/2021 14:00	92564678009	Water		7					X	X										
10	TRIP BLANK	PS	10/4/2021 00:00	92564678010	Water		2					X											

Comments

Transfers	Released By	Date/Time	Received By	Date/Time
1	JKL Pace HVL	10/5/21 Pm		10/6 1102
2				
3				

Cooler Temperature on Receipt 2.7 °C | **Custody Seal** Y or N | **Received on Ice** Y or N | **Samples Intact** Y or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.*
This chain of custody is considered complete as is since this information is available in the owner laboratory.

FedEx

TRACK ANOTHER SHIPMENT

987548461692

ADD NICKNAME

Delivered
Wednesday, October 6, 2021 at 10:02 am

THIS IS 1 OF 2 PIECES

DELIVERED

Signed for by: R.PIETRAIS

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM	TO
Huntersville, NC US	EAST LONGMEADOW, MA US

2 Piece Shipment

TRACKING ID	STATUS	SHIP DATE	DELIVERY DATE	HANDLING PIECE UNITS	SHIPPER CITY, STATE	RECIPIENT CITY, STATE
987548461681 (master)	Delivered	10/5/21	10/6/21	0	Huntersville NC	EAST LONGMEADOW MA
987548461692	Delivered	10/5/21	10/6/21	0	Huntersville NC	EAST LONGMEADOW MA

Travel History

TIME ZONE
Local Scan Time

Wednesday, October 6, 2021

10:02 AM	EAST LONGMEADOW, MA	Delivered
8:06 AM	WINDSOR LOCKS, CT	On FedEx vehicle for delivery
7:58 AM	WINDSOR LOCKS, CT	At local FedEx facility
6:53 AM	EAST GRANBY, CT	At destination sort facility

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Pace

Received By MP Date 10/6 Time 1002

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____

Direct from Sampling _____ Ambient _____ Melted Ice _____

By Gun # 5 Actual Temp - 2.7

Were samples within Temperature? 2-6°C T By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? NA F T On COC? NA F T

Do all samples have the proper pH? NA Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-	6	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 11, 2021

Andrew Wreschnig
AECOM
6000 Fairview Road
Suite 200
Charlotte, NC 28210

RE: Project: CPC Huntersville 60639876
Pace Project No.: 92564679

Dear Andrew Wreschnig:

Enclosed are the analytical results for sample(s) received by the laboratory on October 04, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Teresa Amentt Jennings, AECOM
Jeff Morrison, Colonial Pipeline Company

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CERTIFICATIONS

Project: CPC Huntersville 60639876
Pace Project No.: 92564679

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: CPC Huntersville 60639876
Pace Project No.: 92564679

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92564679001	**MW-67**	Water	10/04/21 09:35	10/04/21 16:30
92564679002	**DUP-1-20211004**	Water	10/04/21 00:00	10/04/21 16:30
92564679003	**MW-68**	Water	10/04/21 10:40	10/04/21 16:30
92564679004	**MW-42**	Water	10/04/21 12:05	10/04/21 16:30
92564679005	**MW-66**	Water	10/04/21 14:20	10/04/21 16:30
92564679006	**TRIP BLANK**	Water	10/04/21 00:00	10/04/21 16:30

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SAMPLE ANALYTE COUNT

Project: CPC Huntersville 60639876
Pace Project No.: 92564679

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92564679001	**MW-67**	EPA 6010D	CBV	1	PASI-A
92564679002	**DUP-1-20211004**	EPA 6010D	CBV	1	PASI-A
92564679003	**MW-68**	EPA 6010D	CBV	1	PASI-A
92564679004	**MW-42**	EPA 6010D	CBV	1	PASI-A
92564679005	**MW-66**	EPA 6010D	CBV	1	PASI-A

PASI-A = Pace Analytical Services - Asheville

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ANALYTICAL RESULTS

Project: CPC Huntersville 60639876
Pace Project No.: 92564679

Sample: MW-67 **Lab ID: 92564679001** Collected: 10/04/21 09:35 Received: 10/04/21 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/05/21 02:57	10/06/21 02:29	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CPC Huntersville 60639876
Pace Project No.: 92564679

Sample: DUP-1-20211004 **Lab ID: 92564679002** Collected: 10/04/21 00:00 Received: 10/04/21 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/05/21 02:57	10/06/21 02:39	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC Huntersville 60639876
Pace Project No.: 92564679

Sample: MW-68 **Lab ID: 92564679003** Collected: 10/04/21 10:40 Received: 10/04/21 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	**5.9**	ug/L	5.0	4.5	1	10/05/21 02:57	10/06/21 02:42	7439-92-1	

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Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: CPC Huntersville 60639876
Pace Project No.: 92564679

Sample: MW-42 **Lab ID: 92564679004** Collected: 10/04/21 12:05 Received: 10/04/21 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/05/21 02:57	10/06/21 02:46	7439-92-1	

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Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CPC Huntersville 60639876
Pace Project No.: 92564679

Sample: MW-66 **Lab ID: 92564679005** Collected: 10/04/21 14:20 Received: 10/04/21 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	**5.0J**	ug/L	5.0	4.5	1	10/05/21 02:57	10/06/21 02:49	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CPC Huntersville 60639876
Pace Project No.: 92564679

QC Batch: 650764 | Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A | Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92564679001, 92564679002, 92564679003, 92564679004, 92564679005

METHOD BLANK: 3412831 Matrix: Water
Associated Lab Samples: 92564679001, 92564679002, 92564679003, 92564679004, 92564679005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	4.5	10/06/21 01:40	

LABORATORY CONTROL SAMPLE: 3412832

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	468	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3412833 3412834

Parameter	Units	92564678001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	483	476	96	94	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: CPC Huntersville 60639876
Pace Project No.: 92564679

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CPC Huntersville 60639876
Pace Project No.: 92564679

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92564679001	**MW-67**	EPA 3010A	650764	EPA 6010D	650775
92564679002	**DUP-1-20211004**	EPA 3010A	650764	EPA 6010D	650775
92564679003	**MW-68**	EPA 3010A	650764	EPA 6010D	650775
92564679004	**MW-42**	EPA 3010A	650764	EPA 6010D	650775
92564679005	**MW-66**	EPA 3010A	650764	EPA 6010D	650775

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Pace Analytical	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: October 28, 2020 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.07	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☑ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: AECOM

Project #: WO# : 92564679

92564679

Courier: ☐ Commercial ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Pace ☐ Other:

Custody Seal Present? ☐ Yes ☑ No **Seals Intact?** ☐ Yes ☑ No

Date/Initials Person Examining Contents: KS 10/4/21

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 92T064 ☑ Wet ☐ Blue ☐ None **Type of Ice:**

Cooler Temp: 4.9 **Correction Factor:** Add/Subtract (°C) 0

Cooler Temp Corrected (°C): 4.9

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (Internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☑ Yes	☐ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: WT	☑ Yes	☐ No	☐ N/A	9.
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☑ No	☐ N/A	10.
Trip Blank Present?	☑ Yes	☐ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☑ Yes	☐ No	☐ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

***Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.**

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

****Bottom half of box is to list number of bottles**

Project # WO#: 92564679

PM: BV Due Date: 10/07/21

CLIENT: 92-AECOM CHA

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1						1										7													
2						1										7													
3						1										7													
4						1										7													
5						1										7													
6																2													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Blue

WO# : 92564679

PM: BV Due Date: 10/07/21

CLIENT: 92-AECOM CHA

Pace Analytical
WWW.PACELABS.COM

CHAIN-OF-CUSTODY / Analytical Req

The Chain-of-Custody is a LEGAL DOCUMENT. All relevan

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at http

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	AECOM	Report To:	Andy Wreschnig	Attention:	
Address:	6000 Fairview Road	Copy To:		Company Name:	
	Suite 200, Charlotte, NC 28210			Address:	
Email:	andrew.wreschnig@aecom.com	Purchase Order #:		Pace Quote:	60639876
Phone:	(704)716-0757 Fax	Project Name:	CPC Huntersville-60639876	Pace Project Manager:	bonnie.vang@pacelabs.com,
Requested Due Date:	3-Day TAT	Project #:		Pace Profile #:	12518-3

Regulatory Agency

State / Location: NC

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analyses Test: 6200B	VPH	6010-Pb	n-butanol by 6200	Trip BLANK	Residual Chlorine (Y/N)
1	MW-67	WT	G	10/4/21	0935				8			1	7						X	X	X			3-Day TAT
2	DUP-1-20211004	"	"	"	--				"			"	"						"	"	"			
3	MW-68	"	"	"	1040				"			"	"						"	"	"			
4	MW-42	"	"	"	1205				"			"	"						"	"	"			
5	MW-66	"	"	"	1420				"			"	"						"	"	"			
6	Trip Blank	Lab	Provided						2													X		
7																								
8																								
9																								
10																								
11																								
12																								

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
3-Day TAT	Mike de Kozlowski /AECOM	10/4/21	1630	JD Pace HVL	10/4/21	1630	4.9	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Mike de Kozlowski

SIGNATURE of SAMPLER: Mike de Kozlowski DATE Signed: 10/4/21

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

October 11, 2021

Bonnie Vang
Pace Analytical Services - NC
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078

Project Location: CPC Huntersville 60639876
Client Job Number:
Project Number: 92564679
Laboratory Work Order Number: 21J0270

Enclosed are results of analyses for samples as received by the laboratory on October 5, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Pace Analytical Services - NC
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
ATTN: Bonnie Vang

REPORT DATE: 10/11/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 92564679

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21J0270

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: CPC Huntersville 60639876

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-67	21J0270-01	Ground Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
Dup-1-20211004	21J0270-02	Ground Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-68	21J0270-03	Ground Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-42	21J0270-04	Ground Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-66	21J0270-05	Ground Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
Trip Blank	21J0270-06	Ground Water		SM21-23 6200B	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SM21-23 6200B

Qualifications:

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

Diisopropyl Ether (DIPE)
B291935-BS1, B291935-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

1,2,3-Trichloropropane
B291935-BS1

1,2-Dichloropropane
B291935-BS1

2,2-Dichloropropane
B291935-BSD1

MADEP-VPH-Feb 2018 Rev 2.1

No significant modifications were made to the method. All VPH samples were received preserved properly at pH <2 in the proper containers as specified on the chain-of-custody form unless specified in this narrative.

Analytical column used for VPH analysis is Restek, Rtx-502.2, 105meter, 0.53mmID, 3um df. Trap used for VPH analysis is Carbopack B/CarboSieveS-III.

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Daren J. Damboragian
Director of Operations

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0270

Date Received: 10/5/2021

Field Sample #: MW-67 Sampled: 10/4/2021 09:35

Sample ID: 21J0270-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
Chloromethane	ND	0.60	0.38	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0270

Date Received: 10/5/2021

Field Sample #: MW-67 Sampled: 10/4/2021 09:35

Sample ID: 21J0270-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:36	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	82.1	70-130		10/8/21 4:36
Toluene-d8	94.5	70-130		10/8/21 4:36
4-Bromofluorobenzene	98.8	70-130		10/8/21 4:36

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0270

Date Received: 10/5/2021

Field Sample #: MW-67 Sampled: 10/4/2021 09:35

Sample ID: 21J0270-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 18:59	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 18:59	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 18:59	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 18:59	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 18:59	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	94.4	70-130		10/9/21 18:59
2,5-Dibromotoluene (PID)	106	70-130		10/9/21 18:59

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0270

Date Received: 10/5/2021

Field Sample #: Dup-1-20211004 Sampled: 10/4/2021 00:00

Sample ID: 21J0270-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
Chloromethane	ND	0.60	0.38	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0270

Date Received: 10/5/2021

Field Sample #: Dup-1-20211004 Sampled: 10/4/2021 00:00

Sample ID: 21J0270-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:02	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	82.8	70-130		10/8/21 5:02
Toluene-d8	94.4	70-130		10/8/21 5:02
4-Bromofluorobenzene	99.6	70-130		10/8/21 5:02

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0270

Date Received: 10/5/2021

Field Sample #: Dup-1-20211004 Sampled: 10/4/2021 00:00

Sample ID: 21J0270-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 16:32	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 16:32	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 16:32	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 16:32	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 16:32	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	88.3	70-130		10/9/21 16:32
2,5-Dibromotoluene (PID)	103	70-130		10/9/21 16:32

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0270

Date Received: 10/5/2021

Field Sample #: MW-68 Sampled: 10/4/2021 10:40

Sample ID: 21J0270-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
Chloromethane	ND	0.60	0.38	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0270

Date Received: 10/5/2021

Field Sample #: MW-68 Sampled: 10/4/2021 10:40

Sample ID: 21J0270-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:28	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	80.9	70-130		10/8/21 5:28
Toluene-d8	94.4	70-130		10/8/21 5:28
4-Bromofluorobenzene	101	70-130		10/8/21 5:28

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0270

Date Received: 10/5/2021

Field Sample #: MW-68 Sampled: 10/4/2021 10:40

Sample ID: 21J0270-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 17:02	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 17:02	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 17:02	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 17:02	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 17:02	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	93.9	70-130		10/9/21 17:02
2,5-Dibromotoluene (PID)	100	70-130		10/9/21 17:02

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0270

Date Received: 10/5/2021

Field Sample #: MW-42 Sampled: 10/4/2021 12:05

Sample ID: 21J0270-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
Chloroform	0.84	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
Chloromethane	ND	0.60	0.38	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0270

Date Received: 10/5/2021

Field Sample #: MW-42 Sampled: 10/4/2021 12:05

Sample ID: 21J0270-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 5:54	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	81.8	70-130		10/8/21 5:54
Toluene-d8	94.7	70-130		10/8/21 5:54
4-Bromofluorobenzene	101	70-130		10/8/21 5:54

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0270

Date Received: 10/5/2021

Field Sample #: MW-42 Sampled: 10/4/2021 12:05

Sample ID: 21J0270-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 17:31	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 17:31	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 17:31	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 17:31	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 17:31	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	84.7	70-130		10/9/21 17:31
2,5-Dibromotoluene (PID)	96.2	70-130		10/9/21 17:31

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0270

Date Received: 10/5/2021

Field Sample #: MW-66 Sampled: 10/4/2021 14:20

Sample ID: 21J0270-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
Bromodichloromethane	1.6	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
Chlorodibromomethane	0.41	0.50	0.16	µg/L	1	J	SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
Chloroform	5.5	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
Chloromethane	ND	0.60	0.38	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0270

Date Received: 10/5/2021

Field Sample #: MW-66 Sampled: 10/4/2021 14:20

Sample ID: 21J0270-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 6:21	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	82.4	70-130		10/8/21 6:21
Toluene-d8	94.8	70-130		10/8/21 6:21
4-Bromofluorobenzene	101	70-130		10/8/21 6:21

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0270

Date Received: 10/5/2021

Field Sample #: MW-66 Sampled: 10/4/2021 14:20

Sample ID: 21J0270-05

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 18:01	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 18:01	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 18:01	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 18:01	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 18:01	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	93.7	70-130		10/9/21 18:01
2,5-Dibromotoluene (PID)	108	70-130		10/9/21 18:01

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0270

Date Received: 10/5/2021

Field Sample #: Trip Blank Sampled: 10/4/2021 00:00

Sample ID: 21J0270-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
Chloromethane	ND	0.60	0.38	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
Methylene Chloride	0.92	5.0	0.30	µg/L	1	J	SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0270

Date Received: 10/5/2021

Field Sample #: Trip Blank Sampled: 10/4/2021 00:00

Sample ID: 21J0270-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:32	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	80.9	70-130		10/8/21 1:32
Toluene-d8	94.9	70-130		10/8/21 1:32
4-Bromofluorobenzene	100	70-130		10/8/21 1:32

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: MA VPH **Analytical Method: MADEP-VPH-Feb 2018 Rev 2.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21J0270-01 [MW-67]	B292077	5	5.00	10/08/21
21J0270-02 [Dup-1-20211004]	B292077	5	5.00	10/08/21
21J0270-03 [MW-68]	B292077	5	5.00	10/08/21
21J0270-04 [MW-42]	B292077	5	5.00	10/08/21
21J0270-05 [MW-66]	B292077	5	5.00	10/08/21

Prep Method: SW-846 5030B **Analytical Method: SM21-23 6200B**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21J0270-01 [MW-67]	B291935	5	5.00	10/07/21
21J0270-02 [Dup-1-20211004]	B291935	5	5.00	10/07/21
21J0270-03 [MW-68]	B291935	5	5.00	10/07/21
21J0270-04 [MW-42]	B291935	5	5.00	10/07/21
21J0270-05 [MW-66]	B291935	5	5.00	10/07/21
21J0270-06 [Trip Blank]	B291935	5	5.00	10/07/21

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291935 - SW-846 5030B										
Blank (B291935-BLK1)				Prepared: 10/07/21 Analyzed: 10/08/21						
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromochloromethane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	2.0	µg/L							
n-Butylbenzene	ND	0.50	µg/L							
sec-Butylbenzene	ND	0.50	µg/L							
tert-Butylbenzene	ND	0.50	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
Naphthalene	ND	0.50	µg/L							
n-Propylbenzene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
1,2,3-Trichlorobenzene	ND	1.0	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291935 - SW-846 5030B												
Blank (B291935-BLK1)				Prepared: 10/07/21 Analyzed: 10/08/21								
Trichloroethylene	ND	0.50	µg/L									
Trichlorofluoromethane (Freon 11)	ND	0.50	µg/L									
1,2,3-Trichloropropane	ND	0.50	µg/L									
1,2,4-Trimethylbenzene	ND	0.50	µg/L									
1,3,5-Trimethylbenzene	ND	0.50	µg/L									
Vinyl Chloride	ND	0.50	µg/L									
m+p Xylene	ND	1.0	µg/L									
o-Xylene	ND	0.50	µg/L									
Surrogate: 1,2-Dichloroethane-d4	*20.1*		µg/L	25.0		80.5		70-130				
Surrogate: Toluene-d8	*24.1*		µg/L	25.0		96.3		70-130				
Surrogate: 4-Bromofluorobenzene	*25.3*		µg/L	25.0		101		70-130				
LCS (B291935-BS1)				Prepared & Analyzed: 10/07/21								
Benzene	8.99	0.50	µg/L	10.0		89.9		70-130				
Bromobenzene	11.0	0.50	µg/L	10.0		110		70-130				
Bromochloromethane	10.7	0.50	µg/L	10.0		107		70-130				
Bromodichloromethane	9.27	0.50	µg/L	10.0		92.7		70-130				
Bromoform	11.5	0.50	µg/L	10.0		115		70-130				
Bromomethane	10.4	2.0	µg/L	10.0		104		60-140				†
n-Butylbenzene	7.92	0.50	µg/L	10.0		79.2		70-130				
sec-Butylbenzene	8.77	0.50	µg/L	10.0		87.7		70-130				
tert-Butylbenzene	9.64	0.50	µg/L	10.0		96.4		70-130				
Carbon Tetrachloride	9.15	0.50	µg/L	10.0		91.5		70-130				
Chlorobenzene	11.3	0.50	µg/L	10.0		113		70-130				
Chlorodibromomethane	10.4	0.50	µg/L	10.0		104		70-130				
Chloroethane	8.99	0.50	µg/L	10.0		89.9		60-140				
Chloroform	8.10	0.50	µg/L	10.0		81.0		70-130				
Chloromethane	6.24	0.60	µg/L	10.0		62.4		60-140				†
2-Chlorotoluene	9.79	0.50	µg/L	10.0		97.9		70-130				
4-Chlorotoluene	9.96	0.50	µg/L	10.0		99.6		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	8.52	5.0	µg/L	10.0		85.2		70-130				
1,2-Dibromoethane (EDB)	10.9	0.50	µg/L	10.0		109		70-130				
Dibromomethane	10.9	1.0	µg/L	10.0		109		70-130				
1,2-Dichlorobenzene	9.68	0.50	µg/L	10.0		96.8		70-130				
1,3-Dichlorobenzene	9.64	0.50	µg/L	10.0		96.4		70-130				
1,4-Dichlorobenzene	9.60	0.50	µg/L	10.0		96.0		70-130				
Dichlorodifluoromethane (Freon 12)	8.55	0.50	µg/L	10.0		85.5		60-140				†
1,1-Dichloroethane	11.5	0.50	µg/L	10.0		115		70-130				
1,2-Dichloroethane	11.7	0.50	µg/L	10.0		117		70-130				
1,1-Dichloroethylene	10.8	0.50	µg/L	10.0		108		70-130				
cis-1,2-Dichloroethylene	11.3	0.50	µg/L	10.0		113		70-130				
trans-1,2-Dichloroethylene	12.3	0.50	µg/L	10.0		123		70-130				
1,2-Dichloropropane	13.5	0.50	µg/L	10.0		**135**	*	70-130			L-07	
1,3-Dichloropropane	10.2	0.50	µg/L	10.0		102		70-130				
2,2-Dichloropropane	7.17	0.50	µg/L	10.0		71.7		70-130				†
1,1-Dichloropropene	8.59	0.50	µg/L	10.0		85.9		70-130				
cis-1,3-Dichloropropene	9.48	0.50	µg/L	10.0		94.8		70-130				
trans-1,3-Dichloropropene	9.01	0.50	µg/L	10.0		90.1		70-130				
Diisopropyl Ether (DIPE)	13.8	0.50	µg/L	10.0		**138**	*	70-130			L-02	
Ethylbenzene	10.5	0.50	µg/L	10.0		105		70-130				
Hexachlorobutadiene	8.68	0.60	µg/L	10.0		86.8		70-130				
Isopropylbenzene (Cumene)	10.8	0.50	µg/L	10.0		108		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291935 - SW-846 5030B												
LCS (B291935-BS1)				Prepared & Analyzed: 10/07/21								
Methyl tert-Butyl Ether (MTBE)	8.20	0.50	µg/L	10.0		82.0		70-130				
Methylene Chloride	12.9	5.0	µg/L	10.0		129		70-130				
Naphthalene	7.99	0.50	µg/L	10.0		79.9		70-130				†
n-Propylbenzene	9.94	0.50	µg/L	10.0		99.4		70-130				
Styrene	11.4	0.50	µg/L	10.0		114		70-130				
1,1,1,2-Tetrachloroethane	11.9	0.50	µg/L	10.0		119		70-130				
1,1,2,2-Tetrachloroethane	11.6	0.50	µg/L	10.0		116		70-130				
Tetrachloroethylene	11.3	0.50	µg/L	10.0		113		70-130				
Toluene	9.77	0.50	µg/L	10.0		97.7		70-130				
1,2,3-Trichlorobenzene	8.69	1.0	µg/L	10.0		86.9		70-130				
1,2,4-Trichlorobenzene	9.42	0.50	µg/L	10.0		94.2		70-130				
1,1,1-Trichloroethane	8.52	0.50	µg/L	10.0		85.2		70-130				
1,1,2-Trichloroethane	10.8	0.50	µg/L	10.0		108		70-130				
Trichloroethylene	10.8	0.50	µg/L	10.0		108		70-130				
Trichlorofluoromethane (Freon 11)	7.38	0.50	µg/L	10.0		73.8		70-130				
1,2,3-Trichloropropane	13.4	0.50	µg/L	10.0		**134**	*	70-130			L-07	
1,2,4-Trimethylbenzene	9.27	0.50	µg/L	10.0		92.7		70-130				
1,3,5-Trimethylbenzene	10.8	0.50	µg/L	10.0		108		70-130				
Vinyl Chloride	11.1	0.50	µg/L	10.0		111		60-140				†
m+p Xylene	21.2	1.0	µg/L	20.0		106		70-130				
o-Xylene	10.4	0.50	µg/L	10.0		104		70-130				
Surrogate: 1,2-Dichloroethane-d4	*20.2*		µg/L	25.0		80.6		70-130				
Surrogate: Toluene-d8	*24.4*		µg/L	25.0		97.4		70-130				
Surrogate: 4-Bromofluorobenzene	*25.3*		µg/L	25.0		101		70-130				
LCS Dup (B291935-BSD1)				Prepared & Analyzed: 10/07/21								
Benzene	8.71	0.50	µg/L	10.0		87.1		70-130	3.16	25		
Bromobenzene	10.8	0.50	µg/L	10.0		108		70-130	1.28	25		
Bromochloromethane	11.0	0.50	µg/L	10.0		110		70-130	2.22	25		
Bromodichloromethane	9.04	0.50	µg/L	10.0		90.4		70-130	2.51	25		
Bromoform	11.3	0.50	µg/L	10.0		113		70-130	2.11	25		
Bromomethane	10.8	2.0	µg/L	10.0		108		60-140	4.53	25		†
n-Butylbenzene	7.84	0.50	µg/L	10.0		78.4		70-130	1.02	25		
sec-Butylbenzene	8.65	0.50	µg/L	10.0		86.5		70-130	1.38	25		
tert-Butylbenzene	9.61	0.50	µg/L	10.0		96.1		70-130	0.312	25		
Carbon Tetrachloride	8.77	0.50	µg/L	10.0		87.7		70-130	4.24	25		
Chlorobenzene	11.2	0.50	µg/L	10.0		112		70-130	0.622	25		
Chlorodibromomethane	10.3	0.50	µg/L	10.0		103		70-130	0.964	25		
Chloroethane	9.36	0.50	µg/L	10.0		93.6		60-140	4.03	25		
Chloroform	7.96	0.50	µg/L	10.0		79.6		70-130	1.74	25		
Chloromethane	6.06	0.60	µg/L	10.0		60.6		60-140	2.93	25		†
2-Chlorotoluene	10.0	0.50	µg/L	10.0		100		70-130	2.52	25		
4-Chlorotoluene	10.0	0.50	µg/L	10.0		100		70-130	0.700	25		
1,2-Dibromo-3-chloropropane (DBCP)	7.84	5.0	µg/L	10.0		78.4		70-130	8.31	25		
1,2-Dibromoethane (EDB)	10.4	0.50	µg/L	10.0		104		70-130	4.68	25		
Dibromomethane	10.6	1.0	µg/L	10.0		106		70-130	3.26	25		
1,2-Dichlorobenzene	9.69	0.50	µg/L	10.0		96.9		70-130	0.103	25		
1,3-Dichlorobenzene	9.67	0.50	µg/L	10.0		96.7		70-130	0.311	25		
1,4-Dichlorobenzene	9.55	0.50	µg/L	10.0		95.5		70-130	0.522	25		
Dichlorodifluoromethane (Freon 12)	8.27	0.50	µg/L	10.0		82.7		60-140	3.33	25		†
1,1-Dichloroethane	10.6	0.50	µg/L	10.0		106		70-130	8.50	25		
1,2-Dichloroethane	11.0	0.50	µg/L	10.0		110		70-130	5.82	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291935 - SW-846 5030B												
LCS Dup (B291935-BSD1)				Prepared & Analyzed: 10/07/21								
1,1-Dichloroethylene	11.0	0.50	µg/L	10.0		110		70-130	1.10	25		
cis-1,2-Dichloroethylene	11.2	0.50	µg/L	10.0		112		70-130	0.802	25		
trans-1,2-Dichloroethylene	11.8	0.50	µg/L	10.0		118		70-130	3.91	25		
1,2-Dichloropropane	12.8	0.50	µg/L	10.0		128		70-130	4.93	25		
1,3-Dichloropropane	9.85	0.50	µg/L	10.0		98.5		70-130	3.59	25		
2,2-Dichloropropane	6.69	0.50	µg/L	10.0		**66.9**	*	70-130	6.93	25	L-07	†
1,1-Dichloropropene	8.50	0.50	µg/L	10.0		85.0		70-130	1.05	25		
cis-1,3-Dichloropropene	9.03	0.50	µg/L	10.0		90.3		70-130	4.86	25		
trans-1,3-Dichloropropene	8.80	0.50	µg/L	10.0		88.0		70-130	2.36	25		
Diisopropyl Ether (DIPE)	13.3	0.50	µg/L	10.0		**133**	*	70-130	3.03	25	L-02	
Ethylbenzene	10.6	0.50	µg/L	10.0		106		70-130	0.662	25		
Hexachlorobutadiene	8.45	0.60	µg/L	10.0		84.5		70-130	2.69	25		
Isopropylbenzene (Cumene)	10.9	0.50	µg/L	10.0		109		70-130	1.01	25		
Methyl tert-Butyl Ether (MTBE)	7.79	0.50	µg/L	10.0		77.9		70-130	5.13	25		
Methylene Chloride	13.0	5.0	µg/L	10.0		130		70-130	0.386	25		
Naphthalene	7.66	0.50	µg/L	10.0		76.6		70-130	4.22	25		†
n-Propylbenzene	9.95	0.50	µg/L	10.0		99.5		70-130	0.101	25		
Styrene	11.6	0.50	µg/L	10.0		116		70-130	1.04	25		
1,1,1,2-Tetrachloroethane	12.0	0.50	µg/L	10.0		120		70-130	0.919	25		
1,1,2,2-Tetrachloroethane	10.9	0.50	µg/L	10.0		109		70-130	6.24	25		
Tetrachloroethylene	10.9	0.50	µg/L	10.0		109		70-130	3.60	25		
Toluene	9.47	0.50	µg/L	10.0		94.7		70-130	3.12	25		
1,2,3-Trichlorobenzene	8.56	1.0	µg/L	10.0		85.6		70-130	1.51	25		
1,2,4-Trichlorobenzene	9.46	0.50	µg/L	10.0		94.6		70-130	0.424	25		
1,1,1-Trichloroethane	8.38	0.50	µg/L	10.0		83.8		70-130	1.66	25		
1,1,2-Trichloroethane	10.6	0.50	µg/L	10.0		106		70-130	2.61	25		
Trichloroethylene	10.6	0.50	µg/L	10.0		106		70-130	2.14	25		
Trichlorofluoromethane (Freon 11)	7.30	0.50	µg/L	10.0		73.0		70-130	1.09	25		
1,2,3-Trichloropropane	12.8	0.50	µg/L	10.0		128		70-130	4.89	25		
1,2,4-Trimethylbenzene	9.21	0.50	µg/L	10.0		92.1		70-130	0.649	25		
1,3,5-Trimethylbenzene	10.8	0.50	µg/L	10.0		108		70-130	0.185	25		
Vinyl Chloride	10.9	0.50	µg/L	10.0		109		60-140	1.46	25		†
m+p Xylene	21.2	1.0	µg/L	20.0		106		70-130	0.0472	25		
o-Xylene	10.1	0.50	µg/L	10.0		101		70-130	2.34	25		
Surrogate: 1,2-Dichloroethane-d4	*19.6*		µg/L	25.0		78.4		70-130				
Surrogate: Toluene-d8	*23.9*		µg/L	25.0		95.6		70-130				
Surrogate: 4-Bromofluorobenzene	*25.6*		µg/L	25.0		102		70-130				

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B292077 - MA VPH										
Blank (B292077-BLK1)				Prepared: 10/08/21 Analyzed: 10/09/21						
Unadjusted C5-C8 Aliphatics	ND	100	µg/L							
C5-C8 Aliphatics	ND	100	µg/L							
Unadjusted C9-C12 Aliphatics	ND	100	µg/L							
C9-C12 Aliphatics	ND	100	µg/L							
C9-C10 Aromatics	ND	100	µg/L							
Benzene	ND	1.0	µg/L							
Butylcyclohexane	ND	1.0	µg/L							
Decane	ND	1.0	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
2-Methylpentane	ND	1.0	µg/L							
Naphthalene	ND	5.0	µg/L							
Nonane	ND	1.0	µg/L							
Pentane	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
2,2,4-Trimethylpentane	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 2,5-Dibromotoluene (FID)	*42.7*		µg/L	40.0		107	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*41.4*		µg/L	40.0		104	70-130			
LCS (B292077-BS1)				Prepared: 10/08/21 Analyzed: 10/09/21						
Benzene	49.9	1.0	µg/L	50.0		99.8	70-130			
Butylcyclohexane	61.1	1.0	µg/L	50.0		122	70-130			
Decane	46.5	1.0	µg/L	50.0		93.1	70-130			
Ethylbenzene	49.9	1.0	µg/L	50.0		99.9	70-130			
Methyl tert-Butyl Ether (MTBE)	51.4	1.0	µg/L	50.0		103	70-130			
2-Methylpentane	48.3	1.0	µg/L	50.0		96.5	70-130			
Naphthalene	55.5	5.0	µg/L	50.0		111	70-130			
Nonane	61.1	1.0	µg/L	50.0		122	70-130			
Pentane	50.8	1.0	µg/L	50.0		102	70-130			
Toluene	49.7	1.0	µg/L	50.0		99.3	70-130			
1,2,4-Trimethylbenzene	48.5	1.0	µg/L	50.0		96.9	70-130			
2,2,4-Trimethylpentane	42.4	1.0	µg/L	50.0		84.7	70-130			
m+p Xylene	99.4	2.0	µg/L	100		99.4	70-130			
o-Xylene	50.3	1.0	µg/L	50.0		101	70-130			
Surrogate: 2,5-Dibromotoluene (FID)	*46.2*		µg/L	40.0		116	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*49.7*		µg/L	40.0		124	70-130			
LCS Dup (B292077-BSD1)				Prepared: 10/08/21 Analyzed: 10/09/21						
Benzene	48.0	1.0	µg/L	50.0		96.0	70-130	3.93	25	
Butylcyclohexane	59.0	1.0	µg/L	50.0		118	70-130	3.48	25	
Decane	44.1	1.0	µg/L	50.0		88.2	70-130	5.40	25	
Ethylbenzene	48.0	1.0	µg/L	50.0		96.0	70-130	3.97	25	
Methyl tert-Butyl Ether (MTBE)	50.4	1.0	µg/L	50.0		101	70-130	1.97	25	
2-Methylpentane	44.7	1.0	µg/L	50.0		89.4	70-130	7.64	25	
Naphthalene	52.8	5.0	µg/L	50.0		106	70-130	4.98	25	
Nonane	59.1	1.0	µg/L	50.0		118	70-130	3.30	25	
Pentane	48.0	1.0	µg/L	50.0		96.0	70-130	5.61	25	
Toluene	47.8	1.0	µg/L	50.0		95.6	70-130	3.79	25	
1,2,4-Trimethylbenzene	46.9	1.0	µg/L	50.0		93.8	70-130	3.28	25	

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B292077 - MA VPH										
LCS Dup (B292077-BSD1)				Prepared: 10/08/21 Analyzed: 10/09/21						
2,2,4-Trimethylpentane	38.9	1.0	µg/L	50.0		77.8	70-130	8.54	25	
m+p Xylene	95.7	2.0	µg/L	100		95.7	70-130	3.87	25	
o-Xylene	48.8	1.0	µg/L	50.0		97.5	70-130	3.10	25	
Surrogate: 2,5-Dibromotoluene (FID)	*40.7*		µg/L	40.0		102	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*46.2*		µg/L	40.0		116	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
MADEP-VPH-Feb 2018 Rev 2.1 in Water	
Unadjusted C5-C8 Aliphatics	CT,NC,ME,NH-P
C5-C8 Aliphatics	CT,NC,ME,NH-P
Unadjusted C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C10 Aromatics	CT,NC,ME,NH-P
Benzene	CT,NC,ME,NH-P
Ethylbenzene	CT,NC,ME,NH-P
Methyl tert-Butyl Ether (MTBE)	CT,NC,ME,NH-P
Naphthalene	CT,NC,ME,NH-P
Toluene	CT,NC,ME,NH-P
m+p Xylene	CT,NC,ME,NH-P
o-Xylene	CT,NC,ME,NH-P
SM21-23 6200B in Water	
Benzene	NC
Bromobenzene	NC
Bromochloromethane	NC
Bromodichloromethane	NC
Bromoform	NC
Bromomethane	NC
n-Butylbenzene	NC
sec-Butylbenzene	NC
tert-Butylbenzene	NC
Carbon Tetrachloride	NC
Chlorobenzene	NC
Chlorodibromomethane	NC
Chloroethane	NC
Chloroform	NC
Chloromethane	NC
2-Chlorotoluene	NC
4-Chlorotoluene	NC
1,2-Dibromoethane (EDB)	NC
1,2-Dichlorobenzene	NC
1,3-Dichlorobenzene	NC
1,4-Dichlorobenzene	NC
Dichlorodifluoromethane (Freon 12)	NC
1,1-Dichloroethane	NC
1,2-Dichloroethane	NC
1,1-Dichloroethylene	NC
cis-1,2-Dichloroethylene	NC
trans-1,2-Dichloroethylene	NC
1,2-Dichloropropane	NC
1,3-Dichloropropane	NC
2,2-Dichloropropane	NC
1,1-Dichloropropene	NC
cis-1,3-Dichloropropene	NC
trans-1,3-Dichloropropene	NC

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SM21-23 6200B in Water	
Diisopropyl Ether (DIPE)	NC
Ethylbenzene	NC
Isopropylbenzene (Cumene)	NC
Methyl tert-Butyl Ether (MTBE)	NC
Methylene Chloride	NC
Naphthalene	NC
n-Propylbenzene	NC
Styrene	NC
1,1,2,2-Tetrachloroethane	NC
Tetrachloroethylene	NC
Toluene	NC
1,2,3-Trichlorobenzene	NC
1,2,4-Trichlorobenzene	NC
1,1,1-Trichloroethane	NC
1,1,2-Trichloroethane	NC
Trichloroethylene	NC
Trichlorofluoromethane (Freon 11)	NC
1,2,3-Trichloropropane	NC
1,2,4-Trimethylbenzene	NC
1,3,5-Trimethylbenzene	NC
Vinyl Chloride	NC
m+p Xylene	NC
o-Xylene	NC

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

Internal Transfer Chain of Custody

21J0270

Pace Analytical
www.pacelabs.com

☐ Samples Pre-Logged into eCOC

State Of Origin: NC
Cert. Needed: [x] Yes ☐ No

Workorder: 92564679 **Workorder Name:** CPC Huntersville 60639876

Owner Received Date: 10/4/2021 **Results Requested By:** 10/7/2021

Report To	Subcontract To
Bonnie Vang Pace Analytical Charlotte 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 Phone (704)875-9092	Pace New England 39 Spruce St. East Longmeadow, MA 01028 Phone (413)525-2332

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HCL	6200B	NC VPH	LAB USE ONLY
1	MW-67	PS	10/4/2021 09:35	92564679001	Water	7	X	X	
2	DUP-1-20211004	PS	10/4/2021 00:00	92564679002	Water	7	X	X	
3	MW-68	PS	10/4/2021 10:40	92564679003	Water	7	X	X	
4	MW-42	PS	10/4/2021 12:05	92564679004	Water	7	X	X	
5	MW-66	PS	10/4/2021 14:20	92564679005	Water	7	X	X	
6	TRIP BLANK	PS	10/4/2021 00:00	92564679006	Water	2	X		

Transfers	Released By	Date/Time	Received By	Date/Time
1	JKL Pace HVL	10-5-21 1PM		10/6 1000
2				
3				

Comments

Cooler Temperature on Receipt 2.7 °C | **Custody Seal** Y or (N) | **Received on Ice** (Y) or N | **Samples Intact** (Y) or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.*

FedEx

TRACK ANOTHER SHIPMENT

987548461692

ADD NICKNAME

Delivered
Wednesday, October 6, 2021 at 10:02 am

THIS IS 1 OF 2 PIECES



DELIVERED

Signed for by: R.PIETRAIS

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM	TO
Huntersville, NC US	EAST LONGMEADOW, MA US

2 Piece Shipment

TRACKING ID	STATUS	SHIP DATE	DELIVERY DATE	HANDLING PIECE UNITS	SHIPPER CITY, STATE	RECIPIENT CITY, STATE
987548461681 (master)	Delivered	10/5/21	10/6/21	0	Huntersville NC	EAST LONGMEADOW MA
987548461692	Delivered	10/5/21	10/6/21	0	Huntersville NC	EAST LONGMEADOW MA

Travel History

TIME ZONE
Local Scan Time

Wednesday, October 6, 2021

10:02 AM	EAST LONGMEADOW, MA	Delivered
8:06 AM	WINDSOR LOCKS, CT	On FedEx vehicle for delivery
7:58 AM	WINDSOR LOCKS, CT	At local FedEx facility
6:53 AM	EAST GRANBY, CT	At destination sort facility

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Pace

Received By MP Date 10/6 Time 1002

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____ Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 5 Actual Temp - 2.7 By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Project T Analysis T ID's T Sampler Name T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? T N/A On COC? T N/A

Do all samples have the proper pH? NA Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-	37	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 11, 2021

Andrew Wreschnig
AECOM
6000 Fairview Road
Suite 200
Charlotte, NC 28210

RE: Project: CPC Huntersville 60639876
Pace Project No.: 92564680

Dear Andrew Wreschnig:

Enclosed are the analytical results for sample(s) received by the laboratory on October 04, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Teresa Amentt Jennings, AECOM
Jeff Morrison, Colonial Pipeline Company

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CERTIFICATIONS

Project: CPC Huntersville 60639876
Pace Project No.: 92564680

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

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SAMPLE SUMMARY

Project: CPC Huntersville 60639876
Pace Project No.: 92564680

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92564680001	**MW-65D**	Water	10/04/21 09:30	10/04/21 16:30
92564680002	**MW-64**	Water	10/04/21 09:45	10/04/21 16:30
92564680003	**MW-75**	Water	10/04/21 11:00	10/04/21 16:30
92564680004	**MW-65**	Water	10/04/21 11:15	10/04/21 16:30
92564680005	**MW-74**	Water	10/04/21 12:45	10/04/21 16:30
92564680006	**MW-70**	Water	10/04/21 14:40	10/04/21 16:30
92564680007	**TRIP BLANK**	Water	10/04/21 00:00	10/04/21 16:30

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SAMPLE ANALYTE COUNT

Project: CPC Huntersville 60639876
Pace Project No.: 92564680

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92564680001	**MW-65D**	EPA 6010D	CBV	1	PASI-A
92564680002	**MW-64**	EPA 6010D	CBV	1	PASI-A
92564680003	**MW-75**	EPA 6010D	CBV	1	PASI-A
92564680004	**MW-65**	EPA 6010D	CBV	1	PASI-A
92564680005	**MW-74**	EPA 6010D	CBV	1	PASI-A
92564680006	**MW-70**	EPA 6010D	CBV	1	PASI-A

PASI-A = Pace Analytical Services - Asheville

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ANALYTICAL RESULTS

Project: CPC Huntersville 60639876
Pace Project No.: 92564680

Sample: MW-65D **Lab ID: 92564680001** Collected: 10/04/21 09:30 Received: 10/04/21 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/05/21 02:57	10/06/21 02:52	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CPC Huntersville 60639876
Pace Project No.: 92564680

Sample: MW-64 **Lab ID: 92564680002** Collected: 10/04/21 09:45 Received: 10/04/21 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/05/21 02:57	10/06/21 02:55	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC Huntersville 60639876
Pace Project No.: 92564680

Sample: MW-75 **Lab ID: 92564680003** Collected: 10/04/21 11:00 Received: 10/04/21 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	**4.7J**	ug/L	5.0	4.5	1	10/05/21 02:57	10/06/21 02:59	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC Huntersville 60639876
Pace Project No.: 92564680

Sample: MW-65 **Lab ID: 92564680004** Collected: 10/04/21 11:15 Received: 10/04/21 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/05/21 02:57	10/06/21 03:02	7439-92-1	

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ANALYTICAL RESULTS

Project: CPC Huntersville 60639876
Pace Project No.: 92564680

Sample: MW-74 **Lab ID: 92564680005** Collected: 10/04/21 12:45 Received: 10/04/21 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	**5.0J**	ug/L	5.0	4.5	1	10/05/21 02:57	10/06/21 03:05	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CPC Huntersville 60639876
Pace Project No.: 92564680

Sample: MW-70 **Lab ID: 92564680006** Collected: 10/04/21 14:40 Received: 10/04/21 16:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/05/21 02:57	10/06/21 03:08	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CPC Huntersville 60639876
Pace Project No.: 92564680

QC Batch: 650764 | Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A | Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92564680001, 92564680002, 92564680003, 92564680004, 92564680005, 92564680006

METHOD BLANK: 3412831 Matrix: Water
Associated Lab Samples: 92564680001, 92564680002, 92564680003, 92564680004, 92564680005, 92564680006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	4.5	10/06/21 01:40	

LABORATORY CONTROL SAMPLE: 3412832

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	468	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3412833 3412834

Parameter	Units	92564678001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	483	476	96	94	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
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QUALIFIERS

Project: CPC Huntersville 60639876
Pace Project No.: 92564680

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CPC Huntersville 60639876
Pace Project No.: 92564680

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92564680001	**MW-65D**	EPA 3010A	650764	EPA 6010D	650775
92564680002	**MW-64**	EPA 3010A	650764	EPA 6010D	650775
92564680003	**MW-75**	EPA 3010A	650764	EPA 6010D	650775
92564680004	**MW-65**	EPA 3010A	650764	EPA 6010D	650775
92564680005	**MW-74**	EPA 3010A	650764	EPA 6010D	650775
92564680006	**MW-70**	EPA 3010A	650764	EPA 6010D	650775

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Pace Analytical®	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: October 28, 2020 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.07	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☑ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: AECOM

Project # WO#: 92564680

92564680

Courier: ☐ Commercial ☐ Fed Ex ☐ Pace ☐ UPS ☐ USPS ☐ Other: ☑ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☑ No

Date/Initials Person Examining Contents: MG 10-4-21

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Thermometer: ☑ IR Gun ID: 307004

Type of Ice: ☑ Wet ☐ Blue ☐ None

Biological Tissue Frozen? ☐ Yes ☐ No ☐ N/A

Cooler Temp: 4.5 Correction Factor: Add/Subtract (°C) 0

Cooler Temp Corrected (°C): 4.5

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (Internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

		Comments/Discrepancy:
Chain of Custody Present?	☑ Yes ☐ No ☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes ☐ No ☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes ☑ No ☐ N/A	3.
Rush Turn Around Time Requested?	☑ Yes ☐ No ☐ N/A	4.
Sufficient Volume?	☑ Yes ☐ No ☐ N/A	5.
Correct Containers Used?	☑ Yes ☐ No ☐ N/A	6.
-Pace Containers Used?	☑ Yes ☐ No ☐ N/A	
Containers Intact?	☑ Yes ☐ No ☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes ☐ No ☑ N/A	8.
Sample Labels Match COC?	☑ Yes ☐ No ☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WT		
Headspace in VOA Vials (>5-6mm)?	☐ Yes ☑ No ☐ N/A	10.
Trip Blank Present?	☐ Yes ☑ No ☐ N/A	11.
Trip Blank Custody Seals Present?	☑ Yes ☐ No ☐ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

Project **WO# : 92564680**

PM: BV **Due Date: 10/07/21**

CLIENT: 92-AECOM CHA

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastid Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9I-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1						2										7													
2						1										7													
3						1										7													
4						1										7													
5						1										7													
6						1										7													
7																2													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Red

WO# : 92564680

PM: BV **Due Date: 10/07/21**

CLIENT: 92-AECOM CHA

Pace Analytical
WWW.PACELABS.COM

CHAIN-OF-CUSTODY / Analytical Reques

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant field

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://inf

Page : 1 Of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: AECOM	Report To: Andy Wreschnig	Attention:
Address: 6000 Fairview Road	Copy To:	Company Name:
Suite 200, Charlotte, NC 28210		Address:
Email: andrew.wreschnig@aecom.com	Purchase Order #:	Pace Quote: 60639876
Phone: (704)716-0757 Fax	Project Name: CPC Huntersville-60639876	Pace Project Manager: bonnie.vang@pacelabs.com,
Requested Due Date: 3-Day TAT	Project #:	Pace Profile #: 12518-3

Regulatory Agency

State / Location: NC

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	6200B	VPH	6010-Pb	n-butanol by 6200	Trip BLANK	Residual Chlorine (Y/N)	
1	MW-65D	WT	G	10/4/21	0930				8			1	7						X	X	X				3-Day TAT
2	MW-64				0945																				
3	MW-75				1100																				
4	MW-65				1115																				
5	MW-74				1245																				
6	MW-70				1440																				
7	Trip Blank	Lab	Provided						2														X		
8																									
9																									
10																									
11																									
12																									

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
3-Day TAT	Mike de Kozlowski / AECOM	10/4/21	1630	JJ Pace HVL	10/04/21	1630	Y Y N Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Mike de Kozlowski

SIGNATURE of SAMPLER: Mike de Kozlowski DATE Signed: 10/4/21

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

October 11, 2021

Bonnie Vang
Pace Analytical Services - NC
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078

Project Location: CPC Huntersville 60639876
Client Job Number:
Project Number: 92564680
Laboratory Work Order Number: 21J0268

Enclosed are results of analyses for samples as received by the laboratory on October 5, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Pace Analytical Services - NC
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
ATTN: Bonnie Vang

REPORT DATE: 10/11/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 92564680

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21J0268

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: CPC Huntersville 60639876

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-65D	21J0268-01	Ground Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-64	21J0268-02	Ground Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-75	21J0268-03	Ground Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-65	21J0268-04	Ground Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-74	21J0268-05	Ground Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-70	21J0268-06	Ground Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
Trip Blank	21J0268-07	Ground Water		SM21-23 6200B	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method MA VPH, only hydrocarbon ranges were requested and reported.

SM21-23 6200B

Qualifications:

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

Diisopropyl Ether (DIPE)
B291935-BS1, B291935-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

1,2,3-Trichloropropane
B291935-BS1

1,2-Dichloropropane
B291935-BS1

2,2-Dichloropropane
B291935-BSD1

MADEP-VPH-Feb 2018 Rev 2.1

No significant modifications were made to the method. All VPH samples were received preserved properly at pH <2 in the proper containers as specified on the chain-of-custody form unless specified in this narrative.

Analytical column used for VPH analysis is Restek, Rtx-502.2, 105meter, 0.53mmID, 3um df. Trap used for VPH analysis is Carbopack B/CarboSieveS-III.

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Daren J. Damboragian
Director of Operations

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0268

Date Received: 10/5/2021

Field Sample #: MW-65D Sampled: 10/4/2021 09:30

Sample ID: 21J0268-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
Chloromethane	ND	0.60	0.38	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0268

Date Received: 10/5/2021

Field Sample #: MW-65D Sampled: 10/4/2021 09:30

Sample ID: 21J0268-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
Toluene	0.15	0.50	0.11	µg/L	1	J	SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
m+p Xylene	0.29	1.0	0.18	µg/L	1	J	SM21-23 6200B	10/7/21	10/8/21 1:59	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:59	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	82.2	70-130		10/8/21 1:59
Toluene-d8	94.6	70-130		10/8/21 1:59
4-Bromofluorobenzene	100	70-130		10/8/21 1:59

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0268

Date Received: 10/5/2021

Field Sample #: MW-65D Sampled: 10/4/2021 09:30

Sample ID: 21J0268-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 2:15	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 2:15	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 2:15	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 2:15	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/7/21	10/8/21 2:15	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	83.1	70-130		10/8/21 2:15
2,5-Dibromotoluene (PID)	103	70-130		10/8/21 2:15

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0268

Date Received: 10/5/2021

Field Sample #: MW-64 Sampled: 10/4/2021 09:45

Sample ID: 21J0268-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
Chloroform	0.39	0.50	0.19	µg/L	1	J	SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
Chloromethane	ND	0.60	0.38	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0268

Date Received: 10/5/2021

Field Sample #: MW-64 Sampled: 10/4/2021 09:45

Sample ID: 21J0268-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:25	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	80.7	70-130		10/8/21 2:25
Toluene-d8	94.0	70-130		10/8/21 2:25
4-Bromofluorobenzene	98.5	70-130		10/8/21 2:25

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0268

Date Received: 10/5/2021

Field Sample #: MW-64 Sampled: 10/4/2021 09:45

Sample ID: 21J0268-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 0:20	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 0:20	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 0:20	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 0:20	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 0:20	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	102	70-130		10/9/21 0:20
2,5-Dibromotoluene (PID)	95.7	70-130		10/9/21 0:20

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0268

Date Received: 10/5/2021

Field Sample #: MW-75 Sampled: 10/4/2021 11:00

Sample ID: 21J0268-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
Chloromethane	ND	0.60	0.38	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0268

Date Received: 10/5/2021

Field Sample #: MW-75 Sampled: 10/4/2021 11:00

Sample ID: 21J0268-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 2:51	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	81.0	70-130		10/8/21 2:51
Toluene-d8	94.5	70-130		10/8/21 2:51
4-Bromofluorobenzene	99.8	70-130		10/8/21 2:51

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0268

Date Received: 10/5/2021

Field Sample #: MW-75 Sampled: 10/4/2021 11:00

Sample ID: 21J0268-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 11:38	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 11:38	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 11:38	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 11:38	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 11:38	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	106	70-130		10/9/21 11:38
2,5-Dibromotoluene (PID)	93.1	70-130		10/9/21 11:38

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0268

Date Received: 10/5/2021

Field Sample #: MW-65 Sampled: 10/4/2021 11:15

Sample ID: 21J0268-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
Chloromethane	ND	0.60	0.38	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0268

Date Received: 10/5/2021

Field Sample #: MW-65 Sampled: 10/4/2021 11:15

Sample ID: 21J0268-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:17	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	79.9	70-130		10/8/21 3:17
Toluene-d8	95.0	70-130		10/8/21 3:17
4-Bromofluorobenzene	102	70-130		10/8/21 3:17

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0268

Date Received: 10/5/2021

Field Sample #: MW-65 Sampled: 10/4/2021 11:15

Sample ID: 21J0268-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 12:07	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 12:07	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 12:07	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 12:07	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 12:07	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	90.6	70-130		10/9/21 12:07
2,5-Dibromotoluene (PID)	101	70-130		10/9/21 12:07

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0268

Date Received: 10/5/2021

Field Sample #: MW-74 Sampled: 10/4/2021 12:45

Sample ID: 21J0268-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
Chloromethane	ND	0.60	0.38	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0268

Date Received: 10/5/2021

Field Sample #: MW-74 Sampled: 10/4/2021 12:45

Sample ID: 21J0268-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 3:43	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	81.2	70-130		10/8/21 3:43
Toluene-d8	94.2	70-130		10/8/21 3:43
4-Bromofluorobenzene	101	70-130		10/8/21 3:43

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0268

Date Received: 10/5/2021

Field Sample #: MW-74 Sampled: 10/4/2021 12:45

Sample ID: 21J0268-05

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 12:37	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 12:37	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 12:37	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 12:37	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 12:37	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	102	70-130		10/9/21 12:37
2,5-Dibromotoluene (PID)	104	70-130		10/9/21 12:37

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0268

Date Received: 10/5/2021

Field Sample #: MW-70 Sampled: 10/4/2021 14:40

Sample ID: 21J0268-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
Chloroform	0.28	0.50	0.19	µg/L	1	J	SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
Chloromethane	ND	0.60	0.38	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0268

Date Received: 10/5/2021

Field Sample #: MW-70 Sampled: 10/4/2021 14:40

Sample ID: 21J0268-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 4:10	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	81.1	70-130		10/8/21 4:10
Toluene-d8	94.5	70-130		10/8/21 4:10
4-Bromofluorobenzene	100	70-130		10/8/21 4:10

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0268

Date Received: 10/5/2021

Field Sample #: MW-70 Sampled: 10/4/2021 14:40

Sample ID: 21J0268-06

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 13:06	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 13:06	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 13:06	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 13:06	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 13:06	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	108	70-130		10/9/21 13:06
2,5-Dibromotoluene (PID)	99.0	70-130		10/9/21 13:06

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0268

Date Received: 10/5/2021

Field Sample #: Trip Blank Sampled: 10/4/2021 00:00

Sample ID: 21J0268-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
Chloromethane	ND	0.60	0.38	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
Methylene Chloride	1.0	5.0	0.30	µg/L	1	J	SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD

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Project Location: CPC Huntersville 60639876 Sample Description: Work Order: 21J0268

Date Received: 10/5/2021

Field Sample #: Trip Blank Sampled: 10/4/2021 00:00

Sample ID: 21J0268-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/8/21 1:06	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	80.9	70-130		10/8/21 1:06
Toluene-d8	94.6	70-130		10/8/21 1:06
4-Bromofluorobenzene	101	70-130		10/8/21 1:06

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Sample Extraction Data

Prep Method: MA VPH **Analytical Method: MADEP-VPH-Feb 2018 Rev 2.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21J0268-01 [MW-65D]	B291945	5	5.00	10/07/21

Prep Method: MA VPH **Analytical Method: MADEP-VPH-Feb 2018 Rev 2.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21J0268-02 [MW-64]	B292045	5	5.00	10/08/21

Prep Method: MA VPH **Analytical Method: MADEP-VPH-Feb 2018 Rev 2.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21J0268-03 [MW-75]	B292077	5	5.00	10/08/21
21J0268-04 [MW-65]	B292077	5	5.00	10/08/21
21J0268-05 [MW-74]	B292077	5	5.00	10/08/21
21J0268-06 [MW-70]	B292077	5	5.00	10/08/21

Prep Method: SW-846 5030B **Analytical Method: SM21-23 6200B**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21J0268-01 [MW-65D]	B291935	5	5.00	10/07/21
21J0268-02 [MW-64]	B291935	5	5.00	10/07/21
21J0268-03 [MW-75]	B291935	5	5.00	10/07/21
21J0268-04 [MW-65]	B291935	5	5.00	10/07/21
21J0268-05 [MW-74]	B291935	5	5.00	10/07/21
21J0268-06 [MW-70]	B291935	5	5.00	10/07/21
21J0268-07 [Trip Blank]	B291935	5	5.00	10/07/21

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291935 - SW-846 5030B										
Blank (B291935-BLK1)				Prepared: 10/07/21 Analyzed: 10/08/21						
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromochloromethane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	2.0	µg/L							
n-Butylbenzene	ND	0.50	µg/L							
sec-Butylbenzene	ND	0.50	µg/L							
tert-Butylbenzene	ND	0.50	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
Naphthalene	ND	0.50	µg/L							
n-Propylbenzene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
1,2,3-Trichlorobenzene	ND	1.0	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291935 - SW-846 5030B												
Blank (B291935-BLK1)				Prepared: 10/07/21 Analyzed: 10/08/21								
Trichloroethylene	ND	0.50	µg/L									
Trichlorofluoromethane (Freon 11)	ND	0.50	µg/L									
1,2,3-Trichloropropane	ND	0.50	µg/L									
1,2,4-Trimethylbenzene	ND	0.50	µg/L									
1,3,5-Trimethylbenzene	ND	0.50	µg/L									
Vinyl Chloride	ND	0.50	µg/L									
m+p Xylene	ND	1.0	µg/L									
o-Xylene	ND	0.50	µg/L									
Surrogate: 1,2-Dichloroethane-d4	*20.1*		µg/L	25.0		80.5		70-130				
Surrogate: Toluene-d8	*24.1*		µg/L	25.0		96.3		70-130				
Surrogate: 4-Bromofluorobenzene	*25.3*		µg/L	25.0		101		70-130				
LCS (B291935-BS1)				Prepared & Analyzed: 10/07/21								
Benzene	8.99	0.50	µg/L	10.0		89.9		70-130				
Bromobenzene	11.0	0.50	µg/L	10.0		110		70-130				
Bromochloromethane	10.7	0.50	µg/L	10.0		107		70-130				
Bromodichloromethane	9.27	0.50	µg/L	10.0		92.7		70-130				
Bromoform	11.5	0.50	µg/L	10.0		115		70-130				
Bromomethane	10.4	2.0	µg/L	10.0		104		60-140				†
n-Butylbenzene	7.92	0.50	µg/L	10.0		79.2		70-130				
sec-Butylbenzene	8.77	0.50	µg/L	10.0		87.7		70-130				
tert-Butylbenzene	9.64	0.50	µg/L	10.0		96.4		70-130				
Carbon Tetrachloride	9.15	0.50	µg/L	10.0		91.5		70-130				
Chlorobenzene	11.3	0.50	µg/L	10.0		113		70-130				
Chlorodibromomethane	10.4	0.50	µg/L	10.0		104		70-130				
Chloroethane	8.99	0.50	µg/L	10.0		89.9		60-140				
Chloroform	8.10	0.50	µg/L	10.0		81.0		70-130				
Chloromethane	6.24	0.60	µg/L	10.0		62.4		60-140				†
2-Chlorotoluene	9.79	0.50	µg/L	10.0		97.9		70-130				
4-Chlorotoluene	9.96	0.50	µg/L	10.0		99.6		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	8.52	5.0	µg/L	10.0		85.2		70-130				
1,2-Dibromoethane (EDB)	10.9	0.50	µg/L	10.0		109		70-130				
Dibromomethane	10.9	1.0	µg/L	10.0		109		70-130				
1,2-Dichlorobenzene	9.68	0.50	µg/L	10.0		96.8		70-130				
1,3-Dichlorobenzene	9.64	0.50	µg/L	10.0		96.4		70-130				
1,4-Dichlorobenzene	9.60	0.50	µg/L	10.0		96.0		70-130				
Dichlorodifluoromethane (Freon 12)	8.55	0.50	µg/L	10.0		85.5		60-140				†
1,1-Dichloroethane	11.5	0.50	µg/L	10.0		115		70-130				
1,2-Dichloroethane	11.7	0.50	µg/L	10.0		117		70-130				
1,1-Dichloroethylene	10.8	0.50	µg/L	10.0		108		70-130				
cis-1,2-Dichloroethylene	11.3	0.50	µg/L	10.0		113		70-130				
trans-1,2-Dichloroethylene	12.3	0.50	µg/L	10.0		123		70-130				
1,2-Dichloropropane	13.5	0.50	µg/L	10.0		**135**	*	70-130			L-07	
1,3-Dichloropropane	10.2	0.50	µg/L	10.0		102		70-130				
2,2-Dichloropropane	7.17	0.50	µg/L	10.0		71.7		70-130				†
1,1-Dichloropropene	8.59	0.50	µg/L	10.0		85.9		70-130				
cis-1,3-Dichloropropene	9.48	0.50	µg/L	10.0		94.8		70-130				
trans-1,3-Dichloropropene	9.01	0.50	µg/L	10.0		90.1		70-130				
Diisopropyl Ether (DIPE)	13.8	0.50	µg/L	10.0		**138**	*	70-130			L-02	
Ethylbenzene	10.5	0.50	µg/L	10.0		105		70-130				
Hexachlorobutadiene	8.68	0.60	µg/L	10.0		86.8		70-130				
Isopropylbenzene (Cumene)	10.8	0.50	µg/L	10.0		108		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291935 - SW-846 5030B												
LCS (B291935-BS1)				Prepared & Analyzed: 10/07/21								
Methyl tert-Butyl Ether (MTBE)	8.20	0.50	µg/L	10.0		82.0		70-130				
Methylene Chloride	12.9	5.0	µg/L	10.0		129		70-130				
Naphthalene	7.99	0.50	µg/L	10.0		79.9		70-130				†
n-Propylbenzene	9.94	0.50	µg/L	10.0		99.4		70-130				
Styrene	11.4	0.50	µg/L	10.0		114		70-130				
1,1,1,2-Tetrachloroethane	11.9	0.50	µg/L	10.0		119		70-130				
1,1,2,2-Tetrachloroethane	11.6	0.50	µg/L	10.0		116		70-130				
Tetrachloroethylene	11.3	0.50	µg/L	10.0		113		70-130				
Toluene	9.77	0.50	µg/L	10.0		97.7		70-130				
1,2,3-Trichlorobenzene	8.69	1.0	µg/L	10.0		86.9		70-130				
1,2,4-Trichlorobenzene	9.42	0.50	µg/L	10.0		94.2		70-130				
1,1,1-Trichloroethane	8.52	0.50	µg/L	10.0		85.2		70-130				
1,1,2-Trichloroethane	10.8	0.50	µg/L	10.0		108		70-130				
Trichloroethylene	10.8	0.50	µg/L	10.0		108		70-130				
Trichlorofluoromethane (Freon 11)	7.38	0.50	µg/L	10.0		73.8		70-130				
1,2,3-Trichloropropane	13.4	0.50	µg/L	10.0		**134**	*	70-130			L-07	
1,2,4-Trimethylbenzene	9.27	0.50	µg/L	10.0		92.7		70-130				
1,3,5-Trimethylbenzene	10.8	0.50	µg/L	10.0		108		70-130				
Vinyl Chloride	11.1	0.50	µg/L	10.0		111		60-140				†
m+p Xylene	21.2	1.0	µg/L	20.0		106		70-130				
o-Xylene	10.4	0.50	µg/L	10.0		104		70-130				
Surrogate: 1,2-Dichloroethane-d4	*20.2*		µg/L	25.0		80.6		70-130				
Surrogate: Toluene-d8	*24.4*		µg/L	25.0		97.4		70-130				
Surrogate: 4-Bromofluorobenzene	*25.3*		µg/L	25.0		101		70-130				
LCS Dup (B291935-BSD1)				Prepared & Analyzed: 10/07/21								
Benzene	8.71	0.50	µg/L	10.0		87.1		70-130	3.16	25		
Bromobenzene	10.8	0.50	µg/L	10.0		108		70-130	1.28	25		
Bromochloromethane	11.0	0.50	µg/L	10.0		110		70-130	2.22	25		
Bromodichloromethane	9.04	0.50	µg/L	10.0		90.4		70-130	2.51	25		
Bromoform	11.3	0.50	µg/L	10.0		113		70-130	2.11	25		
Bromomethane	10.8	2.0	µg/L	10.0		108		60-140	4.53	25		†
n-Butylbenzene	7.84	0.50	µg/L	10.0		78.4		70-130	1.02	25		
sec-Butylbenzene	8.65	0.50	µg/L	10.0		86.5		70-130	1.38	25		
tert-Butylbenzene	9.61	0.50	µg/L	10.0		96.1		70-130	0.312	25		
Carbon Tetrachloride	8.77	0.50	µg/L	10.0		87.7		70-130	4.24	25		
Chlorobenzene	11.2	0.50	µg/L	10.0		112		70-130	0.622	25		
Chlorodibromomethane	10.3	0.50	µg/L	10.0		103		70-130	0.964	25		
Chloroethane	9.36	0.50	µg/L	10.0		93.6		60-140	4.03	25		
Chloroform	7.96	0.50	µg/L	10.0		79.6		70-130	1.74	25		
Chloromethane	6.06	0.60	µg/L	10.0		60.6		60-140	2.93	25		†
2-Chlorotoluene	10.0	0.50	µg/L	10.0		100		70-130	2.52	25		
4-Chlorotoluene	10.0	0.50	µg/L	10.0		100		70-130	0.700	25		
1,2-Dibromo-3-chloropropane (DBCP)	7.84	5.0	µg/L	10.0		78.4		70-130	8.31	25		
1,2-Dibromoethane (EDB)	10.4	0.50	µg/L	10.0		104		70-130	4.68	25		
Dibromomethane	10.6	1.0	µg/L	10.0		106		70-130	3.26	25		
1,2-Dichlorobenzene	9.69	0.50	µg/L	10.0		96.9		70-130	0.103	25		
1,3-Dichlorobenzene	9.67	0.50	µg/L	10.0		96.7		70-130	0.311	25		
1,4-Dichlorobenzene	9.55	0.50	µg/L	10.0		95.5		70-130	0.522	25		
Dichlorodifluoromethane (Freon 12)	8.27	0.50	µg/L	10.0		82.7		60-140	3.33	25		†
1,1-Dichloroethane	10.6	0.50	µg/L	10.0		106		70-130	8.50	25		
1,2-Dichloroethane	11.0	0.50	µg/L	10.0		110		70-130	5.82	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291935 - SW-846 5030B												
LCS Dup (B291935-BSD1)				Prepared & Analyzed: 10/07/21								
1,1-Dichloroethylene	11.0	0.50	µg/L	10.0		110		70-130	1.10	25		
cis-1,2-Dichloroethylene	11.2	0.50	µg/L	10.0		112		70-130	0.802	25		
trans-1,2-Dichloroethylene	11.8	0.50	µg/L	10.0		118		70-130	3.91	25		
1,2-Dichloropropane	12.8	0.50	µg/L	10.0		128		70-130	4.93	25		
1,3-Dichloropropane	9.85	0.50	µg/L	10.0		98.5		70-130	3.59	25		
2,2-Dichloropropane	6.69	0.50	µg/L	10.0		**66.9**	*	70-130	6.93	25	L-07	†
1,1-Dichloropropene	8.50	0.50	µg/L	10.0		85.0		70-130	1.05	25		
cis-1,3-Dichloropropene	9.03	0.50	µg/L	10.0		90.3		70-130	4.86	25		
trans-1,3-Dichloropropene	8.80	0.50	µg/L	10.0		88.0		70-130	2.36	25		
Diisopropyl Ether (DIPE)	13.3	0.50	µg/L	10.0		**133**	*	70-130	3.03	25	L-02	
Ethylbenzene	10.6	0.50	µg/L	10.0		106		70-130	0.662	25		
Hexachlorobutadiene	8.45	0.60	µg/L	10.0		84.5		70-130	2.69	25		
Isopropylbenzene (Cumene)	10.9	0.50	µg/L	10.0		109		70-130	1.01	25		
Methyl tert-Butyl Ether (MTBE)	7.79	0.50	µg/L	10.0		77.9		70-130	5.13	25		
Methylene Chloride	13.0	5.0	µg/L	10.0		130		70-130	0.386	25		
Naphthalene	7.66	0.50	µg/L	10.0		76.6		70-130	4.22	25		†
n-Propylbenzene	9.95	0.50	µg/L	10.0		99.5		70-130	0.101	25		
Styrene	11.6	0.50	µg/L	10.0		116		70-130	1.04	25		
1,1,1,2-Tetrachloroethane	12.0	0.50	µg/L	10.0		120		70-130	0.919	25		
1,1,2,2-Tetrachloroethane	10.9	0.50	µg/L	10.0		109		70-130	6.24	25		
Tetrachloroethylene	10.9	0.50	µg/L	10.0		109		70-130	3.60	25		
Toluene	9.47	0.50	µg/L	10.0		94.7		70-130	3.12	25		
1,2,3-Trichlorobenzene	8.56	1.0	µg/L	10.0		85.6		70-130	1.51	25		
1,2,4-Trichlorobenzene	9.46	0.50	µg/L	10.0		94.6		70-130	0.424	25		
1,1,1-Trichloroethane	8.38	0.50	µg/L	10.0		83.8		70-130	1.66	25		
1,1,2-Trichloroethane	10.6	0.50	µg/L	10.0		106		70-130	2.61	25		
Trichloroethylene	10.6	0.50	µg/L	10.0		106		70-130	2.14	25		
Trichlorofluoromethane (Freon 11)	7.30	0.50	µg/L	10.0		73.0		70-130	1.09	25		
1,2,3-Trichloropropane	12.8	0.50	µg/L	10.0		128		70-130	4.89	25		
1,2,4-Trimethylbenzene	9.21	0.50	µg/L	10.0		92.1		70-130	0.649	25		
1,3,5-Trimethylbenzene	10.8	0.50	µg/L	10.0		108		70-130	0.185	25		
Vinyl Chloride	10.9	0.50	µg/L	10.0		109		60-140	1.46	25		†
m+p Xylene	21.2	1.0	µg/L	20.0		106		70-130	0.0472	25		
o-Xylene	10.1	0.50	µg/L	10.0		101		70-130	2.34	25		
Surrogate: 1,2-Dichloroethane-d4	*19.6*		µg/L	25.0		78.4		70-130				
Surrogate: Toluene-d8	*23.9*		µg/L	25.0		95.6		70-130				
Surrogate: 4-Bromofluorobenzene	*25.6*		µg/L	25.0		102		70-130				

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291945 - MA VPH										
Blank (B291945-BLK1)				Prepared & Analyzed: 10/07/21						
Unadjusted C5-C8 Aliphatics	ND	100	µg/L							
C5-C8 Aliphatics	ND	100	µg/L							
Unadjusted C9-C12 Aliphatics	ND	100	µg/L							
C9-C12 Aliphatics	ND	100	µg/L							
C9-C10 Aromatics	ND	100	µg/L							
Benzene	ND	1.0	µg/L							
Butylcyclohexane	ND	1.0	µg/L							
Decane	ND	1.0	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
2-Methylpentane	ND	1.0	µg/L							
Naphthalene	ND	5.0	µg/L							
Nonane	ND	1.0	µg/L							
Pentane	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
2,2,4-Trimethylpentane	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 2,5-Dibromotoluene (FID)	*31.8*		µg/L	40.0		79.6	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*34.0*		µg/L	40.0		84.9	70-130			
LCS (B291945-BS1)				Prepared & Analyzed: 10/07/21						
Benzene	47.5	1.0	µg/L	50.0		95.1	70-130			
Butylcyclohexane	58.8	1.0	µg/L	50.0		118	70-130			
Decane	43.5	1.0	µg/L	50.0		87.0	70-130			
Ethylbenzene	47.6	1.0	µg/L	50.0		95.3	70-130			
Methyl tert-Butyl Ether (MTBE)	48.8	1.0	µg/L	50.0		97.7	70-130			
2-Methylpentane	43.5	1.0	µg/L	50.0		87.0	70-130			
Naphthalene	51.9	5.0	µg/L	50.0		104	70-130			
Nonane	59.1	1.0	µg/L	50.0		118	70-130			
Pentane	44.4	1.0	µg/L	50.0		88.7	70-130			
Toluene	47.2	1.0	µg/L	50.0		94.5	70-130			
1,2,4-Trimethylbenzene	46.2	1.0	µg/L	50.0		92.4	70-130			
2,2,4-Trimethylpentane	39.2	1.0	µg/L	50.0		78.5	70-130			
m+p Xylene	94.6	2.0	µg/L	100		94.6	70-130			
o-Xylene	48.0	1.0	µg/L	50.0		96.0	70-130			
Surrogate: 2,5-Dibromotoluene (FID)	*47.8*		µg/L	40.0		120	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*46.1*		µg/L	40.0		115	70-130			
LCS Dup (B291945-BSD1)				Prepared & Analyzed: 10/07/21						
Benzene	47.4	1.0	µg/L	50.0		94.8	70-130	0.263	25	
Butylcyclohexane	58.0	1.0	µg/L	50.0		116	70-130	1.41	25	
Decane	42.0	1.0	µg/L	50.0		84.1	70-130	3.46	25	
Ethylbenzene	47.0	1.0	µg/L	50.0		94.1	70-130	1.28	25	
Methyl tert-Butyl Ether (MTBE)	49.5	1.0	µg/L	50.0		99.1	70-130	1.43	25	
2-Methylpentane	41.9	1.0	µg/L	50.0		83.8	70-130	3.73	25	
Naphthalene	52.0	5.0	µg/L	50.0		104	70-130	0.214	25	
Nonane	58.0	1.0	µg/L	50.0		116	70-130	1.94	25	
Pentane	42.5	1.0	µg/L	50.0		85.0	70-130	4.30	25	
Toluene	47.1	1.0	µg/L	50.0		94.2	70-130	0.314	25	
1,2,4-Trimethylbenzene	46.0	1.0	µg/L	50.0		92.0	70-130	0.377	25	

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291945 - MA VPH										
LCS Dup (B291945-BSD1)				Prepared & Analyzed: 10/07/21						
2,2,4-Trimethylpentane	37.2	1.0	µg/L	50.0		74.4	70-130	5.25	25	
m+p Xylene	94.0	2.0	µg/L	100		94.0	70-130	0.646	25	
o-Xylene	47.9	1.0	µg/L	50.0		95.8	70-130	0.129	25	
Surrogate: 2,5-Dibromotoluene (FID)	*39.3*		µg/L	40.0		98.3	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*45.0*		µg/L	40.0		113	70-130			
Batch B292045 - MA VPH										
Blank (B292045-BLK1)				Prepared & Analyzed: 10/08/21						
Unadjusted C5-C8 Aliphatics	ND	100	µg/L							
C5-C8 Aliphatics	ND	100	µg/L							
Unadjusted C9-C12 Aliphatics	ND	100	µg/L							
C9-C12 Aliphatics	ND	100	µg/L							
C9-C10 Aromatics	ND	100	µg/L							
Benzene	ND	1.0	µg/L							
Butylcyclohexane	ND	1.0	µg/L							
Decane	ND	1.0	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
2-Methylpentane	ND	1.0	µg/L							
Naphthalene	ND	5.0	µg/L							
Nonane	ND	1.0	µg/L							
Pentane	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
2,2,4-Trimethylpentane	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 2,5-Dibromotoluene (FID)	*30.4*		µg/L	40.0		76.1	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*39.4*		µg/L	40.0		98.6	70-130			
LCS (B292045-BS1)				Prepared & Analyzed: 10/08/21						
Benzene	47.1	1.0	µg/L	50.0		94.2	70-130			
Butylcyclohexane	58.6	1.0	µg/L	50.0		117	70-130			
Decane	43.6	1.0	µg/L	50.0		87.1	70-130			
Ethylbenzene	47.2	1.0	µg/L	50.0		94.4	70-130			
Methyl tert-Butyl Ether (MTBE)	49.1	1.0	µg/L	50.0		98.2	70-130			
2-Methylpentane	45.5	1.0	µg/L	50.0		91.0	70-130			
Naphthalene	53.1	5.0	µg/L	50.0		106	70-130			
Nonane	58.7	1.0	µg/L	50.0		117	70-130			
Pentane	49.0	1.0	µg/L	50.0		98.0	70-130			
Toluene	47.0	1.0	µg/L	50.0		94.1	70-130			
1,2,4-Trimethylbenzene	45.8	1.0	µg/L	50.0		91.5	70-130			
2,2,4-Trimethylpentane	39.3	1.0	µg/L	50.0		78.6	70-130			
m+p Xylene	93.6	2.0	µg/L	100		93.6	70-130			
o-Xylene	47.6	1.0	µg/L	50.0		95.2	70-130			
Surrogate: 2,5-Dibromotoluene (FID)	*41.6*		µg/L	40.0		104	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*46.6*		µg/L	40.0		117	70-130			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B292045 - MA VPH										
LCS Dup (B292045-BSD1)				Prepared & Analyzed: 10/08/21						
Benzene	45.5	1.0	µg/L	50.0		91.0	70-130	3.54	25	
Butylcyclohexane	57.0	1.0	µg/L	50.0		114	70-130	2.69	25	
Decane	41.5	1.0	µg/L	50.0		82.9	70-130	4.93	25	
Ethylbenzene	45.4	1.0	µg/L	50.0		90.8	70-130	3.79	25	
Methyl tert-Butyl Ether (MTBE)	48.5	1.0	µg/L	50.0		97.0	70-130	1.24	25	
2-Methylpentane	42.5	1.0	µg/L	50.0		85.1	70-130	6.66	25	
Naphthalene	52.7	5.0	µg/L	50.0		105	70-130	0.813	25	
Nonane	57.0	1.0	µg/L	50.0		114	70-130	2.90	25	
Pentane	45.9	1.0	µg/L	50.0		91.7	70-130	6.66	25	
Toluene	45.2	1.0	µg/L	50.0		90.5	70-130	3.87	25	
1,2,4-Trimethylbenzene	44.3	1.0	µg/L	50.0		88.6	70-130	3.28	25	
2,2,4-Trimethylpentane	36.6	1.0	µg/L	50.0		73.2	70-130	7.12	25	
m+p Xylene	90.4	2.0	µg/L	100		90.4	70-130	3.45	25	
o-Xylene	46.0	1.0	µg/L	50.0		92.0	70-130	3.41	25	
Surrogate: 2,5-Dibromotoluene (FID)	*40.7*		µg/L	40.0		102	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*46.8*		µg/L	40.0		117	70-130			
Batch B292077 - MA VPH										
Blank (B292077-BLK1)				Prepared: 10/08/21 Analyzed: 10/09/21						
Unadjusted C5-C8 Aliphatics	ND	100	µg/L							
C5-C8 Aliphatics	ND	100	µg/L							
Unadjusted C9-C12 Aliphatics	ND	100	µg/L							
C9-C12 Aliphatics	ND	100	µg/L							
C9-C10 Aromatics	ND	100	µg/L							
Benzene	ND	1.0	µg/L							
Butylcyclohexane	ND	1.0	µg/L							
Decane	ND	1.0	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
2-Methylpentane	ND	1.0	µg/L							
Naphthalene	ND	5.0	µg/L							
Nonane	ND	1.0	µg/L							
Pentane	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
2,2,4-Trimethylpentane	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 2,5-Dibromotoluene (FID)	*42.7*		µg/L	40.0		107	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*41.4*		µg/L	40.0		104	70-130			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B292077 - MA VPH										
LCS (B292077-BS1)				Prepared: 10/08/21 Analyzed: 10/09/21						
Benzene	49.9	1.0	µg/L	50.0		99.8	70-130			
Butylcyclohexane	61.1	1.0	µg/L	50.0		122	70-130			
Decane	46.5	1.0	µg/L	50.0		93.1	70-130			
Ethylbenzene	49.9	1.0	µg/L	50.0		99.9	70-130			
Methyl tert-Butyl Ether (MTBE)	51.4	1.0	µg/L	50.0		103	70-130			
2-Methylpentane	48.3	1.0	µg/L	50.0		96.5	70-130			
Naphthalene	55.5	5.0	µg/L	50.0		111	70-130			
Nonane	61.1	1.0	µg/L	50.0		122	70-130			
Pentane	50.8	1.0	µg/L	50.0		102	70-130			
Toluene	49.7	1.0	µg/L	50.0		99.3	70-130			
1,2,4-Trimethylbenzene	48.5	1.0	µg/L	50.0		96.9	70-130			
2,2,4-Trimethylpentane	42.4	1.0	µg/L	50.0		84.7	70-130			
m+p Xylene	99.4	2.0	µg/L	100		99.4	70-130			
o-Xylene	50.3	1.0	µg/L	50.0		101	70-130			
Surrogate: 2,5-Dibromotoluene (FID)	*46.2*		µg/L	40.0		116	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*49.7*		µg/L	40.0		124	70-130			
LCS Dup (B292077-BSD1)				Prepared: 10/08/21 Analyzed: 10/09/21						
Benzene	48.0	1.0	µg/L	50.0		96.0	70-130	3.93	25	
Butylcyclohexane	59.0	1.0	µg/L	50.0		118	70-130	3.48	25	
Decane	44.1	1.0	µg/L	50.0		88.2	70-130	5.40	25	
Ethylbenzene	48.0	1.0	µg/L	50.0		96.0	70-130	3.97	25	
Methyl tert-Butyl Ether (MTBE)	50.4	1.0	µg/L	50.0		101	70-130	1.97	25	
2-Methylpentane	44.7	1.0	µg/L	50.0		89.4	70-130	7.64	25	
Naphthalene	52.8	5.0	µg/L	50.0		106	70-130	4.98	25	
Nonane	59.1	1.0	µg/L	50.0		118	70-130	3.30	25	
Pentane	48.0	1.0	µg/L	50.0		96.0	70-130	5.61	25	
Toluene	47.8	1.0	µg/L	50.0		95.6	70-130	3.79	25	
1,2,4-Trimethylbenzene	46.9	1.0	µg/L	50.0		93.8	70-130	3.28	25	
2,2,4-Trimethylpentane	38.9	1.0	µg/L	50.0		77.8	70-130	8.54	25	
m+p Xylene	95.7	2.0	µg/L	100		95.7	70-130	3.87	25	
o-Xylene	48.8	1.0	µg/L	50.0		97.5	70-130	3.10	25	
Surrogate: 2,5-Dibromotoluene (FID)	*40.7*		µg/L	40.0		102	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*46.2*		µg/L	40.0		116	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
MADEP-VPH-Feb 2018 Rev 2.1 in Water	
Unadjusted C5-C8 Aliphatics	CT,NC,ME,NH-P
C5-C8 Aliphatics	CT,NC,ME,NH-P
Unadjusted C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C10 Aromatics	CT,NC,ME,NH-P
Benzene	CT,NC,ME,NH-P
Ethylbenzene	CT,NC,ME,NH-P
Methyl tert-Butyl Ether (MTBE)	CT,NC,ME,NH-P
Naphthalene	CT,NC,ME,NH-P
Toluene	CT,NC,ME,NH-P
m+p Xylene	CT,NC,ME,NH-P
o-Xylene	CT,NC,ME,NH-P
SM21-23 6200B in Water	
Benzene	NC
Bromobenzene	NC
Bromochloromethane	NC
Bromodichloromethane	NC
Bromoform	NC
Bromomethane	NC
n-Butylbenzene	NC
sec-Butylbenzene	NC
tert-Butylbenzene	NC
Carbon Tetrachloride	NC
Chlorobenzene	NC
Chlorodibromomethane	NC
Chloroethane	NC
Chloroform	NC
Chloromethane	NC
2-Chlorotoluene	NC
4-Chlorotoluene	NC
1,2-Dibromoethane (EDB)	NC
1,2-Dichlorobenzene	NC
1,3-Dichlorobenzene	NC
1,4-Dichlorobenzene	NC
Dichlorodifluoromethane (Freon 12)	NC
1,1-Dichloroethane	NC
1,2-Dichloroethane	NC
1,1-Dichloroethylene	NC
cis-1,2-Dichloroethylene	NC
trans-1,2-Dichloroethylene	NC
1,2-Dichloropropane	NC
1,3-Dichloropropane	NC
2,2-Dichloropropane	NC
1,1-Dichloropropene	NC
cis-1,3-Dichloropropene	NC
trans-1,3-Dichloropropene	NC

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SM21-23 6200B in Water	
Diisopropyl Ether (DIPE)	NC
Ethylbenzene	NC
Isopropylbenzene (Cumene)	NC
Methyl tert-Butyl Ether (MTBE)	NC
Methylene Chloride	NC
Naphthalene	NC
n-Propylbenzene	NC
Styrene	NC
1,1,2,2-Tetrachloroethane	NC
Tetrachloroethylene	NC
Toluene	NC
1,2,3-Trichlorobenzene	NC
1,2,4-Trichlorobenzene	NC
1,1,1-Trichloroethane	NC
1,1,2-Trichloroethane	NC
Trichloroethylene	NC
Trichlorofluoromethane (Freon 11)	NC
1,2,3-Trichloropropane	NC
1,2,4-Trimethylbenzene	NC
1,3,5-Trimethylbenzene	NC
Vinyl Chloride	NC
m+p Xylene	NC
o-Xylene	NC

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

21J0268

Internal Transfer Chain of Custody

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☐ Samples Pre-Logged into eCOC.

State Of Origin: NC
Cert. Needed: [x] Yes ☐ No

Workorder: 92564680 **Workorder Name:** CPC Huntersville 60639876 **Owner Received Date:** 10/4/2021 **Results Requested By:** 10/7/2021

Report To	Subcontract To
Bonnie Vang Pace Analytical Charlotte 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 Phone (704)875-9092	Pace New England 39 Spruce St. East Longmeadow, MA 01028 Phone (413)525-2332

Requested Analysis

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HCL	6200B	NC VPH	LAB USE ONLY
1	MW-65D	PS	10/4/2021 09:30	92564680001	Water	7	X	X	
2	MW-64	PS	10/4/2021 09:45	92564680002	Water	7	X	X	
3	MW-75	PS	10/4/2021 11:00	92564680003	Water	7	X	X	
4	MW-65	PS	10/4/2021 11:15	92564680004	Water	7	X	X	
5	MW-74	PS	10/4/2021 12:45	92564680005	Water	7	X	X	
6	MW-70	PS	10/4/2021 14:40	92564680006	Water	7	X	X	
7	TRIP BLANK	PS	10/4/2021 00:00	92564680007	Water	2	X		

Transfers	Released By	Date/Time	Received By	Date/Time
1	SKC Pace HVL	10-5-21 1800	[signature]	10/6 1002
2				
3				

Comments

Cooler Temperature on Receipt 2.7 °C | Custody Seal Y or N | Received on Ice Y or N | Samples Intact Y or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.*
This chain of custody is considered complete as is since this information is available in the owner laboratory.

FedEx

TRACK ANOTHER SHIPMENT

987548461692

ADD NICKNAME

Delivered
Wednesday, October 6, 2021 at 10:02 am

THIS IS 1 OF 2 PIECES

DELIVERED

Signed for by: R.PIETRAIS

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM	TO
Huntersville, NC US	EAST LONGMEADOW, MA US

2 Piece Shipment

TRACKING ID	STATUS	SHIP DATE	DELIVERY DATE	HANDLING PIECE UNITS	SHIPPER CITY, STATE	RECIPIENT CITY, STATE
987548461681 (master)	Delivered	10/5/21	10/6/21	0	Huntersville NC	EAST LONGMEADOW MA
987548461692	Delivered	10/5/21	10/6/21	0	Huntersville NC	EAST LONGMEADOW MA

Travel History

TIME ZONE
Local Scan Time

Wednesday, October 6, 2021

10:02 AM	EAST LONGMEADOW, MA	Delivered
8:06 AM	WINDSOR LOCKS, CT	On FedEx vehicle for delivery
7:58 AM	WINDSOR LOCKS, CT	At local FedEx facility
6:53 AM	EAST GRANBY, CT	At destination sort facility

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Pace

Received By MP Date 10/6 Time 1002

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____

Direct from Sampling _____ Ambient _____ Melted Ice _____

By Gun # 5 Actual Temp - 2.7

Were samples within Temperature? 2-6°C T By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? T F On COC? T F

Do all samples have the proper pH? NA Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-	4	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 11, 2021

Andrew Wreschnig
AECOM
6000 Fairview Road
Suite 200
Charlotte, NC 28210

RE: Project: CPC HUNTERSVILLE-60639876
Pace Project No.: 92564770

Dear Andrew Wreschnig:

Enclosed are the analytical results for sample(s) received by the laboratory on October 05, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Teresa Amentt Jennings, AECOM
Jeff Morrison, Colonial Pipeline Company

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CERTIFICATIONS

Project: CPC HUNTERSVILLE-60639876
Pace Project No.: 92564770

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: CPC HUNTERSVILLE-60639876
Pace Project No.: 92564770

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92564770001	**MW-73**	Water	10/05/21 11:11	10/05/21 12:10
92564770002	**TRIP BLANK**	Water	10/05/21 00:00	10/05/21 12:10

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: CPC HUNTERSVILLE-60639876
Pace Project No.: 92564770

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92564770001	**MW-73**	EPA 6010D	DS	1	PASI-A

PASI-A = Pace Analytical Services - Asheville

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE-60639876
Pace Project No.: 92564770

Sample: MW-73 **Lab ID: 92564770001** Collected: 10/05/21 11:11 Received: 10/05/21 12:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/06/21 03:39	10/06/21 14:58	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE-60639876
Pace Project No.: 92564770

QC Batch: 651029
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92564770001

METHOD BLANK: 3414307 Matrix: Water
Associated Lab Samples: 92564770001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	4.5	10/06/21 14:52	

LABORATORY CONTROL SAMPLE: 3414308

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	458	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3414309 3414310

Parameter	Units	92564770001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	483	486	96	97	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: CPC HUNTERSVILLE-60639876
Pace Project No.: 92564770

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CPC HUNTERSVILLE-60639876
Pace Project No.: 92564770

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92564770001	**MW-73**	EPA 3010A	651029	EPA 6010D	651041

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Pace Analytical	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: October 28, 2020 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.07	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☒ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: AECOM

Project #: WO# : 92564770

92564770

Courier: ☐ Commercial ☐ Fed Ex ☐ Pace ☐ UPS ☐ USPS ☐ Other: ☒ Client

Custody Seal Present? ☐ Yes ☒ No Seals Intact? ☐ Yes ☒ No

Date/Initials Person Examining Contents: 10/5/21 JO

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Thermometer: ☒ IR Gun ID: 92701614 Type of Ice: ☐ Wet ☐ Blue ☐ None

Biological Tissue Frozen? ☐ Yes ☐ No ☒ N/A

Cooler Temp: 2.4 Correction Factor: Add/Subtract (°C) 0.0

Cooler Temp Corrected (°C): 2.4

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

USDA Regulated Soil (☒ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (Internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☒ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☒ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)? TO 10/5/21	☒ Yes	☐ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☒ No	☐ N/A	4.
Sufficient Volume?	☒ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☒ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☒ Yes	☐ No	☐ N/A	
Containers Intact?	☒ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☒ N/A	8.
Sample Labels Match COC?	☒ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WT				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☒ No	☐ N/A	10.
Trip Blank Present?	☒ Yes	☐ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☐ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

Project # **WO#: 92564770**

PM: BV Due Date: 10/08/21

CLIENT: 92-AECOM CHA

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1						1										7													
2																2													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Pace Analytical WWW.PACELABS.COM

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Page : 1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		
Company:	AECOM	Report To:	Andy Wreschnig	Attention:		
Address:	6000 Fairview Road	Copy To:		Company Name:		
	Suite 200, Charlotte, NC 28210			Address:		Regulatory Agency
Email:	andrew.wreschnig@aecom.com	Purchase Order #:		Pace Quote:	60639876	
Phone:	(704)716-0757 Fax	Project Name:	CPC Huntersville-60639876	Pace Project Manager:	bonnie.vang@pacelabs.com,	State / Location
Requested Due Date:	3-Day TAT	Project #:		Pace Profile #:	12518-3	NC

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX / CODE Drinking Water DW Water WT Waste Water WW Product P Soil/Solid SL Oil OL Wipe WP Air AR Other OT Tissue TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	6200B	VPH	6010-Pb	n-butanol by 6200	Trip BLANK	Residual Chlorine (Y/N)	
1	MW-73		WT	G	10/5/21	1111				8			1	7						X	X	X				9256 4770 3-Day TAT OK
2	Trip Blank		Lab	Provided						2														X		OK
3																										
4																										
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
3-Day TAT	Mike deKoelowski / AECOM	10/5/21	1230	To Pace Hu	10/7/21	1220	2.4	Y	N	Y

SAMPLER NAME AND SIGNATURE			TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Mike deKoelowski					
SIGNATURE of SAMPLER:	Mike deKoelowski	DATE Signed: 10/5/21				

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A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

October 11, 2021

Bonnie Vang
Pace Analytical Services - NC
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078

Project Location: CPC Huntersville-60639876
Client Job Number:
Project Number: 925646770
Laboratory Work Order Number: 21J0271

Enclosed are results of analyses for samples as received by the laboratory on October 5, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Pace Analytical Services - NC
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
ATTN: Bonnie Vang

REPORT DATE: 10/11/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 925646770

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21J0271

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: CPC Huntersville-60639876

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-73	21J0271-01	Ground Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
Trip Blank	21J0271-02	Ground Water		SM21-23 6200B	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SM21-23 6200B

Qualifications:

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

1,2-Dichloropropane
B291914-BS1, B291914-BSD1

L-06

Laboratory fortified blank/laboratory control sample recovery and/or duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Diisopropyl Ether (DIPE)
B291914-BS1, B291914-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

1,2,3-Trichloropropane
B291914-BS1

Methylene Chloride
B291914-BS1

MADEP-VPH-Feb 2018 Rev 2.1

No significant modifications were made to the method. All VPH samples were received preserved properly at pH <2 in the proper containers as specified on the chain-of-custody form unless specified in this narrative.

Analytical column used for VPH analysis is Restek, Rtx-502.2, 105meter, 0.53mmID, 3um df. Trap used for VPH analysis is Carbopack B/CarboSieveS-III.

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Daren J. Damboragian
Director of Operations

con-test® A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0271

Date Received: 10/5/2021

Field Sample #: MW-73 Sampled: 10/5/2021 11:11

Sample ID: 21J0271-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
Chloromethane	ND	0.60	0.38	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0271

Date Received: 10/5/2021

Field Sample #: MW-73 Sampled: 10/5/2021 11:11

Sample ID: 21J0271-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 21:37	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	79.5	70-130		10/7/21 21:37
Toluene-d8	94.4	70-130		10/7/21 21:37
4-Bromofluorobenzene	100	70-130		10/7/21 21:37

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0271

Date Received: 10/5/2021

Field Sample #: MW-73 Sampled: 10/5/2021 11:11

Sample ID: 21J0271-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 18:30	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 18:30	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 18:30	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 18:30	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/8/21	10/9/21 18:30	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	93.1	70-130		10/9/21 18:30
2,5-Dibromotoluene (PID)	100	70-130		10/9/21 18:30

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0271

Date Received: 10/5/2021

Field Sample #: Trip Blank Sampled: 10/5/2021 00:00

Sample ID: 21J0271-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
Bromoform	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
Bromomethane	ND	5.0	1.1	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
Chloromethane	ND	0.60	0.38	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
Methylene Chloride	1.0	5.0	0.30	µg/L	1	J	SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0271

Date Received: 10/5/2021

Field Sample #: Trip Blank Sampled: 10/5/2021 00:00

Sample ID: 21J0271-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/7/21	10/7/21 13:20	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	82.1	70-130		10/7/21 13:20
Toluene-d8	96.0	70-130		10/7/21 13:20
4-Bromofluorobenzene	100	70-130		10/7/21 13:20

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Sample Extraction Data

Prep Method: MA VPH **Analytical Method: MADEP-VPH-Feb 2018 Rev 2.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21J0271-01 [MW-73]	B292077	5	5.00	10/08/21

Prep Method: SW-846 5030B **Analytical Method: SM21-23 6200B**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21J0271-01 [MW-73]	B291914	5	5.00	10/07/21
21J0271-02 [Trip Blank]	B291914	5	5.00	10/07/21

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B291914 - SW-846 5030B										
Blank (B291914-BLK1)				Prepared & Analyzed: 10/07/21						
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromochloromethane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	2.0	µg/L							
n-Butylbenzene	ND	0.50	µg/L							
sec-Butylbenzene	ND	0.50	µg/L							
tert-Butylbenzene	ND	0.50	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
Naphthalene	ND	0.50	µg/L							
n-Propylbenzene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
1,2,3-Trichlorobenzene	ND	1.0	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291914 - SW-846 5030B												
Blank (B291914-BLK1)				Prepared & Analyzed: 10/07/21								
Trichloroethylene	ND	0.50	µg/L									
Trichlorofluoromethane (Freon 11)	ND	0.50	µg/L									
1,2,3-Trichloropropane	ND	0.50	µg/L									
1,2,4-Trimethylbenzene	ND	0.50	µg/L									
1,3,5-Trimethylbenzene	ND	0.50	µg/L									
Vinyl Chloride	ND	0.50	µg/L									
m+p Xylene	ND	1.0	µg/L									
o-Xylene	ND	0.50	µg/L									
Surrogate: 1,2-Dichloroethane-d4	*19.6*		µg/L	25.0		78.6		70-130				
Surrogate: Toluene-d8	*23.6*		µg/L	25.0		94.4		70-130				
Surrogate: 4-Bromofluorobenzene	*24.6*		µg/L	25.0		98.3		70-130				
LCS (B291914-BS1)				Prepared & Analyzed: 10/07/21								
Benzene	9.25	0.50	µg/L	10.0		92.5		70-130				
Bromobenzene	11.3	0.50	µg/L	10.0		113		70-130				
Bromochloromethane	11.8	0.50	µg/L	10.0		118		70-130				
Bromodichloromethane	9.52	0.50	µg/L	10.0		95.2		70-130				
Bromoform	12.3	0.50	µg/L	10.0		123		70-130				
Bromomethane	9.90	2.0	µg/L	10.0		99.0		60-140				†
n-Butylbenzene	8.45	0.50	µg/L	10.0		84.5		70-130				
sec-Butylbenzene	9.07	0.50	µg/L	10.0		90.7		70-130				
tert-Butylbenzene	9.94	0.50	µg/L	10.0		99.4		70-130				
Carbon Tetrachloride	9.62	0.50	µg/L	10.0		96.2		70-130				
Chlorobenzene	11.4	0.50	µg/L	10.0		114		70-130				
Chlorodibromomethane	11.3	0.50	µg/L	10.0		113		70-130				
Chloroethane	9.92	0.50	µg/L	10.0		99.2		60-140				
Chloroform	8.29	0.50	µg/L	10.0		82.9		70-130				
Chloromethane	6.33	0.60	µg/L	10.0		63.3		60-140				†
2-Chlorotoluene	10.3	0.50	µg/L	10.0		103		70-130				
4-Chlorotoluene	10.3	0.50	µg/L	10.0		103		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	8.26	5.0	µg/L	10.0		82.6		70-130				
1,2-Dibromoethane (EDB)	11.0	0.50	µg/L	10.0		110		70-130				
Dibromomethane	11.2	1.0	µg/L	10.0		112		70-130				
1,2-Dichlorobenzene	9.92	0.50	µg/L	10.0		99.2		70-130				
1,3-Dichlorobenzene	9.85	0.50	µg/L	10.0		98.5		70-130				
1,4-Dichlorobenzene	9.93	0.50	µg/L	10.0		99.3		70-130				
Dichlorodifluoromethane (Freon 12)	9.28	0.50	µg/L	10.0		92.8		60-140				†
1,1-Dichloroethane	11.5	0.50	µg/L	10.0		115		70-130				
1,2-Dichloroethane	11.8	0.50	µg/L	10.0		118		70-130				
1,1-Dichloroethylene	11.5	0.50	µg/L	10.0		115		70-130				
cis-1,2-Dichloroethylene	11.8	0.50	µg/L	10.0		118		70-130				
trans-1,2-Dichloroethylene	12.7	0.50	µg/L	10.0		127		70-130				
1,2-Dichloropropane	13.6	0.50	µg/L	10.0		**136**	*	70-130			L-02	
1,3-Dichloropropane	10.5	0.50	µg/L	10.0		105		70-130				
2,2-Dichloropropane	8.43	0.50	µg/L	10.0		84.3		70-130				†
1,1-Dichloropropene	9.07	0.50	µg/L	10.0		90.7		70-130				
cis-1,3-Dichloropropene	9.78	0.50	µg/L	10.0		97.8		70-130				
trans-1,3-Dichloropropene	9.45	0.50	µg/L	10.0		94.5		70-130				
Diisopropyl Ether (DIPE)	14.4	0.50	µg/L	10.0		**144**	*	70-130			L-06	
Ethylbenzene	11.0	0.50	µg/L	10.0		110		70-130				
Hexachlorobutadiene	9.43	0.60	µg/L	10.0		94.3		70-130				
Isopropylbenzene (Cumene)	11.3	0.50	µg/L	10.0		113		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291914 - SW-846 5030B												
LCS (B291914-BS1)				Prepared & Analyzed: 10/07/21								
Methyl tert-Butyl Ether (MTBE)	8.51	0.50	µg/L	10.0		85.1		70-130				
Methylene Chloride	13.4	5.0	µg/L	10.0		**134**	*	70-130			L-07	
Naphthalene	8.21	0.50	µg/L	10.0		82.1		70-130				†
n-Propylbenzene	10.4	0.50	µg/L	10.0		104		70-130				
Styrene	11.8	0.50	µg/L	10.0		118		70-130				
1,1,1,2-Tetrachloroethane	12.4	0.50	µg/L	10.0		124		70-130				
1,1,2,2-Tetrachloroethane	11.6	0.50	µg/L	10.0		116		70-130				
Tetrachloroethylene	11.5	0.50	µg/L	10.0		115		70-130				
Toluene	9.93	0.50	µg/L	10.0		99.3		70-130				
1,2,3-Trichlorobenzene	9.03	1.0	µg/L	10.0		90.3		70-130				
1,2,4-Trichlorobenzene	10.0	0.50	µg/L	10.0		100		70-130				
1,1,1-Trichloroethane	8.88	0.50	µg/L	10.0		88.8		70-130				
1,1,2-Trichloroethane	11.0	0.50	µg/L	10.0		110		70-130				
Trichloroethylene	10.9	0.50	µg/L	10.0		109		70-130				
Trichlorofluoromethane (Freon 11)	8.03	0.50	µg/L	10.0		80.3		70-130				
1,2,3-Trichloropropane	13.4	0.50	µg/L	10.0		**134**	*	70-130			L-07	
1,2,4-Trimethylbenzene	9.41	0.50	µg/L	10.0		94.1		70-130				
1,3,5-Trimethylbenzene	11.2	0.50	µg/L	10.0		112		70-130				
Vinyl Chloride	11.6	0.50	µg/L	10.0		116		60-140				†
m+p Xylene	21.6	1.0	µg/L	20.0		108		70-130				
o-Xylene	10.4	0.50	µg/L	10.0		104		70-130				
Surrogate: 1,2-Dichloroethane-d4	*20.2*		µg/L	25.0		80.8		70-130				
Surrogate: Toluene-d8	*23.8*		µg/L	25.0		95.2		70-130				
Surrogate: 4-Bromofluorobenzene	*25.5*		µg/L	25.0		102		70-130				
LCS Dup (B291914-BSD1)				Prepared & Analyzed: 10/07/21								
Benzene	8.91	0.50	µg/L	10.0		89.1		70-130	3.74	25		
Bromobenzene	10.7	0.50	µg/L	10.0		107		70-130	5.35	25		
Bromochloromethane	11.3	0.50	µg/L	10.0		113		70-130	4.07	25		
Bromodichloromethane	9.23	0.50	µg/L	10.0		92.3		70-130	3.09	25		
Bromoform	12.1	0.50	µg/L	10.0		121		70-130	1.88	25		
Bromomethane	11.0	2.0	µg/L	10.0		110		60-140	10.3	25		†
n-Butylbenzene	8.39	0.50	µg/L	10.0		83.9		70-130	0.713	25		
sec-Butylbenzene	9.27	0.50	µg/L	10.0		92.7		70-130	2.18	25		
tert-Butylbenzene	9.98	0.50	µg/L	10.0		99.8		70-130	0.402	25		
Carbon Tetrachloride	9.43	0.50	µg/L	10.0		94.3		70-130	1.99	25		
Chlorobenzene	11.3	0.50	µg/L	10.0		113		70-130	1.06	25		
Chlorodibromomethane	10.8	0.50	µg/L	10.0		108		70-130	4.97	25		
Chloroethane	9.59	0.50	µg/L	10.0		95.9		60-140	3.38	25		
Chloroform	7.93	0.50	µg/L	10.0		79.3		70-130	4.44	25		
Chloromethane	6.19	0.60	µg/L	10.0		61.9		60-140	2.24	25		†
2-Chlorotoluene	9.87	0.50	µg/L	10.0		98.7		70-130	4.55	25		
4-Chlorotoluene	10.0	0.50	µg/L	10.0		100		70-130	2.75	25		
1,2-Dibromo-3-chloropropane (DBCP)	8.75	5.0	µg/L	10.0		87.5		70-130	5.76	25		
1,2-Dibromoethane (EDB)	10.8	0.50	µg/L	10.0		108		70-130	2.11	25		
Dibromomethane	10.8	1.0	µg/L	10.0		108		70-130	3.64	25		
1,2-Dichlorobenzene	9.97	0.50	µg/L	10.0		99.7		70-130	0.503	25		
1,3-Dichlorobenzene	9.74	0.50	µg/L	10.0		97.4		70-130	1.12	25		
1,4-Dichlorobenzene	10.0	0.50	µg/L	10.0		100		70-130	1.00	25		
Dichlorodifluoromethane (Freon 12)	8.74	0.50	µg/L	10.0		87.4		60-140	5.99	25		†
1,1-Dichloroethane	10.9	0.50	µg/L	10.0		109		70-130	5.00	25		
1,2-Dichloroethane	11.6	0.50	µg/L	10.0		116		70-130	1.54	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B291914 - SW-846 5030B												
LCS Dup (B291914-BSD1)				Prepared & Analyzed: 10/07/21								
1,1-Dichloroethylene	10.9	0.50	µg/L	10.0		109		70-130	5.90	25		
cis-1,2-Dichloroethylene	11.5	0.50	µg/L	10.0		115		70-130	2.92	25		
trans-1,2-Dichloroethylene	11.8	0.50	µg/L	10.0		118		70-130	7.10	25		
1,2-Dichloropropane	13.1	0.50	µg/L	10.0		**131**	*	70-130	3.37	25	L-02	
1,3-Dichloropropane	10.4	0.50	µg/L	10.0		104		70-130	0.957	25		
2,2-Dichloropropane	8.45	0.50	µg/L	10.0		84.5		70-130	0.237	25		†
1,1-Dichloropropene	8.72	0.50	µg/L	10.0		87.2		70-130	3.93	25		
cis-1,3-Dichloropropene	9.90	0.50	µg/L	10.0		99.0		70-130	1.22	25		
trans-1,3-Dichloropropene	9.41	0.50	µg/L	10.0		94.1		70-130	0.424	25		
Diisopropyl Ether (DIPE)	13.5	0.50	µg/L	10.0		**135**	*	70-130	6.38	25	L-06	
Ethylbenzene	10.6	0.50	µg/L	10.0		106		70-130	4.44	25		
Hexachlorobutadiene	8.87	0.60	µg/L	10.0		88.7		70-130	6.12	25		
Isopropylbenzene (Cumene)	11.0	0.50	µg/L	10.0		110		70-130	3.05	25		
Methyl tert-Butyl Ether (MTBE)	7.95	0.50	µg/L	10.0		79.5		70-130	6.80	25		
Methylene Chloride	12.9	5.0	µg/L	10.0		129		70-130	4.34	25		
Naphthalene	8.37	0.50	µg/L	10.0		83.7		70-130	1.93	25		†
n-Propylbenzene	10.0	0.50	µg/L	10.0		100		70-130	4.01	25		
Styrene	11.3	0.50	µg/L	10.0		113		70-130	4.58	25		
1,1,1,2-Tetrachloroethane	12.3	0.50	µg/L	10.0		123		70-130	0.808	25		
1,1,2,2-Tetrachloroethane	11.2	0.50	µg/L	10.0		112		70-130	4.12	25		
Tetrachloroethylene	12.1	0.50	µg/L	10.0		121		70-130	4.74	25		
Toluene	9.81	0.50	µg/L	10.0		98.1		70-130	1.22	25		
1,2,3-Trichlorobenzene	9.02	1.0	µg/L	10.0		90.2		70-130	0.111	25		
1,2,4-Trichlorobenzene	9.83	0.50	µg/L	10.0		98.3		70-130	2.01	25		
1,1,1-Trichloroethane	8.33	0.50	µg/L	10.0		83.3		70-130	6.39	25		
1,1,2-Trichloroethane	11.2	0.50	µg/L	10.0		112		70-130	0.901	25		
Trichloroethylene	11.0	0.50	µg/L	10.0		110		70-130	0.549	25		
Trichlorofluoromethane (Freon 11)	8.02	0.50	µg/L	10.0		80.2		70-130	0.125	25		
1,2,3-Trichloropropane	12.8	0.50	µg/L	10.0		128		70-130	4.73	25		
1,2,4-Trimethylbenzene	9.49	0.50	µg/L	10.0		94.9		70-130	0.847	25		
1,3,5-Trimethylbenzene	10.7	0.50	µg/L	10.0		107		70-130	4.29	25		
Vinyl Chloride	11.0	0.50	µg/L	10.0		110		60-140	5.03	25		†
m+p Xylene	21.1	1.0	µg/L	20.0		105		70-130	2.53	25		
o-Xylene	10.2	0.50	µg/L	10.0		102		70-130	1.84	25		
Surrogate: 1,2-Dichloroethane-d4	*19.3*		µg/L	25.0		77.2		70-130				
Surrogate: Toluene-d8	*23.7*		µg/L	25.0		94.7		70-130				
Surrogate: 4-Bromofluorobenzene	*24.7*		µg/L	25.0		98.8		70-130				

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B292077 - MA VPH										
Blank (B292077-BLK1)				Prepared: 10/08/21 Analyzed: 10/09/21						
Unadjusted C5-C8 Aliphatics	ND	100	µg/L							
C5-C8 Aliphatics	ND	100	µg/L							
Unadjusted C9-C12 Aliphatics	ND	100	µg/L							
C9-C12 Aliphatics	ND	100	µg/L							
C9-C10 Aromatics	ND	100	µg/L							
Benzene	ND	1.0	µg/L							
Butylcyclohexane	ND	1.0	µg/L							
Decane	ND	1.0	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
2-Methylpentane	ND	1.0	µg/L							
Naphthalene	ND	5.0	µg/L							
Nonane	ND	1.0	µg/L							
Pentane	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
2,2,4-Trimethylpentane	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 2,5-Dibromotoluene (FID)	*42.7*		µg/L	40.0		107	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*41.4*		µg/L	40.0		104	70-130			
LCS (B292077-BS1)				Prepared: 10/08/21 Analyzed: 10/09/21						
Benzene	49.9	1.0	µg/L	50.0		99.8	70-130			
Butylcyclohexane	61.1	1.0	µg/L	50.0		122	70-130			
Decane	46.5	1.0	µg/L	50.0		93.1	70-130			
Ethylbenzene	49.9	1.0	µg/L	50.0		99.9	70-130			
Methyl tert-Butyl Ether (MTBE)	51.4	1.0	µg/L	50.0		103	70-130			
2-Methylpentane	48.3	1.0	µg/L	50.0		96.5	70-130			
Naphthalene	55.5	5.0	µg/L	50.0		111	70-130			
Nonane	61.1	1.0	µg/L	50.0		122	70-130			
Pentane	50.8	1.0	µg/L	50.0		102	70-130			
Toluene	49.7	1.0	µg/L	50.0		99.3	70-130			
1,2,4-Trimethylbenzene	48.5	1.0	µg/L	50.0		96.9	70-130			
2,2,4-Trimethylpentane	42.4	1.0	µg/L	50.0		84.7	70-130			
m+p Xylene	99.4	2.0	µg/L	100		99.4	70-130			
o-Xylene	50.3	1.0	µg/L	50.0		101	70-130			
Surrogate: 2,5-Dibromotoluene (FID)	*46.2*		µg/L	40.0		116	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*49.7*		µg/L	40.0		124	70-130			
LCS Dup (B292077-BSD1)				Prepared: 10/08/21 Analyzed: 10/09/21						
Benzene	48.0	1.0	µg/L	50.0		96.0	70-130	3.93	25	
Butylcyclohexane	59.0	1.0	µg/L	50.0		118	70-130	3.48	25	
Decane	44.1	1.0	µg/L	50.0		88.2	70-130	5.40	25	
Ethylbenzene	48.0	1.0	µg/L	50.0		96.0	70-130	3.97	25	
Methyl tert-Butyl Ether (MTBE)	50.4	1.0	µg/L	50.0		101	70-130	1.97	25	
2-Methylpentane	44.7	1.0	µg/L	50.0		89.4	70-130	7.64	25	
Naphthalene	52.8	5.0	µg/L	50.0		106	70-130	4.98	25	
Nonane	59.1	1.0	µg/L	50.0		118	70-130	3.30	25	
Pentane	48.0	1.0	µg/L	50.0		96.0	70-130	5.61	25	
Toluene	47.8	1.0	µg/L	50.0		95.6	70-130	3.79	25	
1,2,4-Trimethylbenzene	46.9	1.0	µg/L	50.0		93.8	70-130	3.28	25	

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B292077 - MA VPH										
LCS Dup (B292077-BSD1)				Prepared: 10/08/21 Analyzed: 10/09/21						
2,2,4-Trimethylpentane	38.9	1.0	µg/L	50.0		77.8	70-130	8.54	25	
m+p Xylene	95.7	2.0	µg/L	100		95.7	70-130	3.87	25	
o-Xylene	48.8	1.0	µg/L	50.0		97.5	70-130	3.10	25	
Surrogate: 2,5-Dibromotoluene (FID)	*40.7*		µg/L	40.0		102	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*46.2*		µg/L	40.0		116	70-130			

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A Pace Analytical® Laboratory

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-06	Laboratory fortified blank/laboratory control sample recovery and/or duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the high side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
MADEP-VPH-Feb 2018 Rev 2.1 in Water	
Unadjusted C5-C8 Aliphatics	CT,NC,ME,NH-P
C5-C8 Aliphatics	CT,NC,ME,NH-P
Unadjusted C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C10 Aromatics	CT,NC,ME,NH-P
Benzene	CT,NC,ME,NH-P
Ethylbenzene	CT,NC,ME,NH-P
Methyl tert-Butyl Ether (MTBE)	CT,NC,ME,NH-P
Naphthalene	CT,NC,ME,NH-P
Toluene	CT,NC,ME,NH-P
m+p Xylene	CT,NC,ME,NH-P
o-Xylene	CT,NC,ME,NH-P
SM21-23 6200B in Water	
Benzene	NC
Bromobenzene	NC
Bromochloromethane	NC
Bromodichloromethane	NC
Bromoform	NC
Bromomethane	NC
n-Butylbenzene	NC
sec-Butylbenzene	NC
tert-Butylbenzene	NC
Carbon Tetrachloride	NC
Chlorobenzene	NC
Chlorodibromomethane	NC
Chloroethane	NC
Chloroform	NC
Chloromethane	NC
2-Chlorotoluene	NC
4-Chlorotoluene	NC
1,2-Dibromoethane (EDB)	NC
1,2-Dichlorobenzene	NC
1,3-Dichlorobenzene	NC
1,4-Dichlorobenzene	NC
Dichlorodifluoromethane (Freon 12)	NC
1,1-Dichloroethane	NC
1,2-Dichloroethane	NC
1,1-Dichloroethylene	NC
cis-1,2-Dichloroethylene	NC
trans-1,2-Dichloroethylene	NC
1,2-Dichloropropane	NC
1,3-Dichloropropane	NC
2,2-Dichloropropane	NC
1,1-Dichloropropene	NC
cis-1,3-Dichloropropene	NC
trans-1,3-Dichloropropene	NC

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SM21-23 6200B in Water	
Diisopropyl Ether (DIPE)	NC
Ethylbenzene	NC
Isopropylbenzene (Cumene)	NC
Methyl tert-Butyl Ether (MTBE)	NC
Methylene Chloride	NC
Naphthalene	NC
n-Propylbenzene	NC
Styrene	NC
1,1,2,2-Tetrachloroethane	NC
Tetrachloroethylene	NC
Toluene	NC
1,2,3-Trichlorobenzene	NC
1,2,4-Trichlorobenzene	NC
1,1,1-Trichloroethane	NC
1,1,2-Trichloroethane	NC
Trichloroethylene	NC
Trichlorofluoromethane (Freon 11)	NC
1,2,3-Trichloropropane	NC
1,2,4-Trimethylbenzene	NC
1,3,5-Trimethylbenzene	NC
Vinyl Chloride	NC
m+p Xylene	NC
o-Xylene	NC

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

Internal Transfer Chain of Custody

21J0271

Pace Analytical®
www.pacelabs.com

☐ Samples Pre-Logged into eCOC.

State Of Origin: NC
Cert. Needed: [x] Yes ☐ No

Workorder: 92564770 Workorder Name: CPC HUNTERSVILLE-60639876

Owner Received Date: 10/5/2021 Results Requested By: 10/8/2021

Report To	Subcontract To
Bonnie Vang Pace Analytical Charlotte 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 Phone (704)875-9092	Pace New England 39 Spruce St East Longmeadow, MA 01028 Phone (413)525-2332

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HCL						Requested Analysis: 6200B	NC VPH											LAB USE ONLY
1	MW-73	PS	10/5/2021 11:11	92564770001	Water	7						X	X											
2	TRIP BLANK	PS	10/5/2021 00:00	92564770002	Water	1						X												
3																								
4																								
5																								

Transfers	Released By	Date/Time	Received By	Date/Time
1	JKL Pace HVL	10-5-21 1Pm		10/6 0042
2				
3				

Comments

Cooler Temperature on Receipt 2.7 °C | Custody Seal Y or (N) | Received on Ice (Y) or N | Samples Intact (Y) or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.*
This chain of custody is considered complete as is since this information is available in the owner laboratory.

FedEx

TRACK ANOTHER SHIPMENT

987548461692

ADD NICKNAME

Delivered
Wednesday, October 6, 2021 at 10:02 am

THIS IS 1 OF 2 PIECES

DELIVERED

Signed for by: R.PIETRAIS

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM	TO
Huntersville, NC US	EAST LONGMEADOW, MA US

2 Piece Shipment

TRACKING ID	STATUS	SHIP DATE	DELIVERY DATE	HANDLING PIECE UNITS	SHIPPER CITY, STATE	RECIPIENT CITY, STATE
987548461681 (master)	**Delivered**	10/5/21	10/6/21	0	Huntersville NC	EAST LONGMEADOW MA
987548461692	**Delivered**	10/5/21	10/6/21	0	Huntersville NC	EAST LONGMEADOW MA

Travel History

TIME ZONE
Local Scan Time

Wednesday, October 6, 2021

10:02 AM	EAST LONGMEADOW, MA	Delivered
8:06 AM	WINDSOR LOCKS, CT	On FedEx vehicle for delivery
7:58 AM	WINDSOR LOCKS, CT	At local FedEx facility
6:53 AM	EAST GRANBY, CT	At destination sort facility

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Pace

Received By MP Date 10/6 Time 1002

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____

Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 5 Actual Temp - 2.7

By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? ~~F~~ T On COC? ~~F~~ T

Do all samples have the proper pH? NA Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-	7	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 13, 2021

Andrew Wreschnig
AECOM
6000 Fairview Road
Suite 200
Charlotte, NC 28210

RE: Project: CPC Huntersville-60639876
Pace Project No.: 92565572

Dear Andrew Wreschnig:

Enclosed are the analytical results for sample(s) received by the laboratory on October 07, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Teresa Amentt Jennings, AECOM
Jeff Morrison, Colonial Pipeline Company

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Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: CPC Huntersville-60639876
Pace Project No.: 92565572

Pace Analytical Services Charlotte
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

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Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: CPC Huntersville-60639876
Pace Project No.: 92565572

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92565572001	**MW-01**	Water	10/07/21 14:30	10/07/21 16:00
92565572002	**Trip Blank**	Water	10/07/21 14:30	10/07/21 16:00

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SAMPLE ANALYTE COUNT

Project: CPC Huntersville-60639876
Pace Project No.: 92565572

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92565572001	**MW-01**	EPA 6010D	CBV	1	PASI-A
		SM 6200B	PM1	63	PASI-C
92565572002	**Trip Blank**	SM 6200B	PM1	63	PASI-C

PASI-A = Pace Analytical Services - Asheville
PASI-C = Pace Analytical Services - Charlotte

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ANALYTICAL RESULTS

Project: CPC Huntersville-60639876
Pace Project No.: 92565572

Sample: MW-01 **Lab ID: 92565572001** Collected: 10/07/21 14:30 Received: 10/07/21 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/08/21 04:37	10/10/21 20:58	7439-92-1	
6200B MSV	Analytical Method: SM 6200B Pace Analytical Services - Charlotte								
Benzene	ND	ug/L	0.50	0.34	1		10/08/21 13:01	71-43-2	
Bromobenzene	ND	ug/L	0.50	0.29	1		10/08/21 13:01	108-86-1	
Bromochloromethane	ND	ug/L	0.50	0.47	1		10/08/21 13:01	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	0.31	1		10/08/21 13:01	75-27-4	
Bromoform	ND	ug/L	0.50	0.34	1		10/08/21 13:01	75-25-2	
Bromomethane	ND	ug/L	5.0	1.7	1		10/08/21 13:01	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	0.49	1		10/08/21 13:01	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	0.40	1		10/08/21 13:01	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	0.32	1		10/08/21 13:01	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	0.33	1		10/08/21 13:01	56-23-5	
Chlorobenzene	ND	ug/L	0.50	0.28	1		10/08/21 13:01	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/08/21 13:01	75-00-3	
Chloroform	ND	ug/L	0.50	0.35	1		10/08/21 13:01	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/08/21 13:01	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	0.32	1		10/08/21 13:01	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	0.32	1		10/08/21 13:01	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.34	1		10/08/21 13:01	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	0.36	1		10/08/21 13:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	0.27	1		10/08/21 13:01	106-93-4	
Dibromomethane	ND	ug/L	0.50	0.39	1		10/08/21 13:01	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	0.34	1		10/08/21 13:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	0.34	1		10/08/21 13:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	0.33	1		10/08/21 13:01	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	0.35	1		10/08/21 13:01	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	0.37	1		10/08/21 13:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	0.32	1		10/08/21 13:01	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	0.35	1		10/08/21 13:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	0.38	1		10/08/21 13:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.40	1		10/08/21 13:01	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	0.36	1		10/08/21 13:01	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	0.28	1		10/08/21 13:01	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	0.39	1		10/08/21 13:01	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	0.43	1		10/08/21 13:01	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.36	1		10/08/21 13:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.36	1		10/08/21 13:01	10061-02-6	
Diisopropyl ether	ND	ug/L	0.50	0.31	1		10/08/21 13:01	108-20-3	
Ethylbenzene	ND	ug/L	0.50	0.30	1		10/08/21 13:01	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/08/21 13:01	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	0.33	1		10/08/21 13:01	98-82-8	
Methylene Chloride	ND	ug/L	2.0	2.0	1		10/08/21 13:01	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	0.50	0.42	1		10/08/21 13:01	1634-04-4	

REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CPC Huntersville-60639876
Pace Project No.: 92565572

Sample: MW-01 **Lab ID: 92565572001** Collected: 10/07/21 14:30 Received: 10/07/21 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B Pace Analytical Services - Charlotte								
Naphthalene	ND	ug/L	2.0	0.64	1		10/08/21 13:01	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	0.34	1		10/08/21 13:01	103-65-1	
Styrene	ND	ug/L	0.50	0.29	1		10/08/21 13:01	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.31	1		10/08/21 13:01	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.22	1		10/08/21 13:01	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	0.29	1		10/08/21 13:01	127-18-4	
Toluene	ND	ug/L	0.50	0.48	1		10/08/21 13:01	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	0.81	1		10/08/21 13:01	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	0.64	1		10/08/21 13:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	0.33	1		10/08/21 13:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	0.32	1		10/08/21 13:01	79-00-5	
Trichloroethene	ND	ug/L	0.50	0.38	1		10/08/21 13:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/08/21 13:01	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	0.26	1		10/08/21 13:01	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.50	1		10/08/21 13:01	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.33	1		10/08/21 13:01	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/08/21 13:01	75-01-4	
m&p-Xylene	ND	ug/L	1.0	0.71	1		10/08/21 13:01	179601-23-1	
o-Xylene	ND	ug/L	0.50	0.34	1		10/08/21 13:01	95-47-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	92	%	70-130		1		10/08/21 13:01	17060-07-0	
4-Bromofluorobenzene (S)	96	%	70-130		1		10/08/21 13:01	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		10/08/21 13:01	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CPC Huntersville-60639876
Pace Project No.: 92565572

Sample: Trip Blank **Lab ID: 92565572002** Collected: 10/07/21 14:30 Received: 10/07/21 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B Pace Analytical Services - Charlotte								
Benzene	ND	ug/L	0.50	0.34	1		10/08/21 12:43	71-43-2	
Bromobenzene	ND	ug/L	0.50	0.29	1		10/08/21 12:43	108-86-1	
Bromochloromethane	ND	ug/L	0.50	0.47	1		10/08/21 12:43	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	0.31	1		10/08/21 12:43	75-27-4	
Bromoform	ND	ug/L	0.50	0.34	1		10/08/21 12:43	75-25-2	
Bromomethane	ND	ug/L	5.0	1.7	1		10/08/21 12:43	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	0.49	1		10/08/21 12:43	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	0.40	1		10/08/21 12:43	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	0.32	1		10/08/21 12:43	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	0.33	1		10/08/21 12:43	56-23-5	
Chlorobenzene	ND	ug/L	0.50	0.28	1		10/08/21 12:43	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/08/21 12:43	75-00-3	
Chloroform	ND	ug/L	0.50	0.35	1		10/08/21 12:43	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/08/21 12:43	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	0.32	1		10/08/21 12:43	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	0.32	1		10/08/21 12:43	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.34	1		10/08/21 12:43	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	0.36	1		10/08/21 12:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	0.27	1		10/08/21 12:43	106-93-4	
Dibromomethane	ND	ug/L	0.50	0.39	1		10/08/21 12:43	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	0.34	1		10/08/21 12:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	0.34	1		10/08/21 12:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	0.33	1		10/08/21 12:43	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	0.35	1		10/08/21 12:43	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	0.37	1		10/08/21 12:43	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	0.32	1		10/08/21 12:43	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	0.35	1		10/08/21 12:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	0.38	1		10/08/21 12:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.40	1		10/08/21 12:43	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	0.36	1		10/08/21 12:43	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	0.28	1		10/08/21 12:43	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	0.39	1		10/08/21 12:43	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	0.43	1		10/08/21 12:43	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.36	1		10/08/21 12:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.36	1		10/08/21 12:43	10061-02-6	
Diisopropyl ether	ND	ug/L	0.50	0.31	1		10/08/21 12:43	108-20-3	
Ethylbenzene	ND	ug/L	0.50	0.30	1		10/08/21 12:43	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/08/21 12:43	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	0.33	1		10/08/21 12:43	98-82-8	
Methylene Chloride	ND	ug/L	2.0	2.0	1		10/08/21 12:43	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	0.50	0.42	1		10/08/21 12:43	1634-04-4	
Naphthalene	ND	ug/L	2.0	0.64	1		10/08/21 12:43	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	0.34	1		10/08/21 12:43	103-65-1	
Styrene	ND	ug/L	0.50	0.29	1		10/08/21 12:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.31	1		10/08/21 12:43	630-20-6	

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ANALYTICAL RESULTS

Project: CPC Huntersville-60639876
Pace Project No.: 92565572

Sample: Trip Blank **Lab ID: 92565572002** Collected: 10/07/21 14:30 Received: 10/07/21 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B Pace Analytical Services - Charlotte								
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.22	1		10/08/21 12:43	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	0.29	1		10/08/21 12:43	127-18-4	
Toluene	ND	ug/L	0.50	0.48	1		10/08/21 12:43	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	0.81	1		10/08/21 12:43	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	0.64	1		10/08/21 12:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	0.33	1		10/08/21 12:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	0.32	1		10/08/21 12:43	79-00-5	
Trichloroethene	ND	ug/L	0.50	0.38	1		10/08/21 12:43	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/08/21 12:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	0.26	1		10/08/21 12:43	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.50	1		10/08/21 12:43	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.33	1		10/08/21 12:43	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/08/21 12:43	75-01-4	
m&p-Xylene	ND	ug/L	1.0	0.71	1		10/08/21 12:43	179601-23-1	
o-Xylene	ND	ug/L	0.50	0.34	1		10/08/21 12:43	95-47-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	91	%	70-130		1		10/08/21 12:43	17060-07-0	
4-Bromofluorobenzene (S)	96	%	70-130		1		10/08/21 12:43	460-00-4	
Toluene-d8 (S)	97	%	70-130		1		10/08/21 12:43	2037-26-5	

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QUALITY CONTROL DATA

Project: CPC Huntersville-60639876
Pace Project No.: 92565572

QC Batch: 651587
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92565572001

METHOD BLANK: 3417288 Matrix: Water
Associated Lab Samples: 92565572001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	4.5	10/10/21 20:51	

LABORATORY CONTROL SAMPLE: 3417289

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	508	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3417290 3417291

Parameter	Units	92565572001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	494	482	99	96	75-125	2	20	

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QUALITY CONTROL DATA

Project: CPC Huntersville-60639876
Pace Project No.: 92565572

QC Batch: 651708
QC Batch Method: SM 6200B
Analysis Method: SM 6200B
Analysis Description: 6200B MSV
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92565572001, 92565572002

METHOD BLANK: 3417785 Matrix: Water
Associated Lab Samples: 92565572001, 92565572002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	0.50	0.31	10/08/21 12:07	
1,1,1-Trichloroethane	ug/L	ND	0.50	0.33	10/08/21 12:07	
1,1,2,2-Tetrachloroethane	ug/L	ND	0.50	0.22	10/08/21 12:07	
1,1,2-Trichloroethane	ug/L	ND	0.50	0.32	10/08/21 12:07	
1,1-Dichloroethane	ug/L	ND	0.50	0.37	10/08/21 12:07	
1,1-Dichloroethene	ug/L	ND	0.50	0.35	10/08/21 12:07	
1,1-Dichloropropene	ug/L	ND	0.50	0.43	10/08/21 12:07	
1,2,3-Trichlorobenzene	ug/L	ND	2.0	0.81	10/08/21 12:07	
1,2,3-Trichloropropane	ug/L	ND	0.50	0.26	10/08/21 12:07	
1,2,4-Trichlorobenzene	ug/L	ND	2.0	0.64	10/08/21 12:07	
1,2,4-Trimethylbenzene	ug/L	ND	0.50	0.50	10/08/21 12:07	
1,2-Dibromo-3-chloropropane	ug/L	ND	1.0	0.34	10/08/21 12:07	
1,2-Dibromoethane (EDB)	ug/L	ND	0.50	0.27	10/08/21 12:07	
1,2-Dichlorobenzene	ug/L	ND	0.50	0.34	10/08/21 12:07	
1,2-Dichloroethane	ug/L	ND	0.50	0.32	10/08/21 12:07	
1,2-Dichloropropane	ug/L	ND	0.50	0.36	10/08/21 12:07	
1,3,5-Trimethylbenzene	ug/L	ND	0.50	0.33	10/08/21 12:07	
1,3-Dichlorobenzene	ug/L	ND	0.50	0.34	10/08/21 12:07	
1,3-Dichloropropane	ug/L	ND	0.50	0.28	10/08/21 12:07	
1,4-Dichlorobenzene	ug/L	ND	0.50	0.33	10/08/21 12:07	
2,2-Dichloropropane	ug/L	ND	0.50	0.39	10/08/21 12:07	
2-Chlorotoluene	ug/L	ND	0.50	0.32	10/08/21 12:07	
4-Chlorotoluene	ug/L	ND	0.50	0.32	10/08/21 12:07	
Benzene	ug/L	ND	0.50	0.34	10/08/21 12:07	
Bromobenzene	ug/L	ND	0.50	0.29	10/08/21 12:07	
Bromochloromethane	ug/L	ND	0.50	0.47	10/08/21 12:07	
Bromodichloromethane	ug/L	ND	0.50	0.31	10/08/21 12:07	
Bromoform	ug/L	ND	0.50	0.34	10/08/21 12:07	
Bromomethane	ug/L	ND	5.0	1.7	10/08/21 12:07	
Carbon tetrachloride	ug/L	ND	0.50	0.33	10/08/21 12:07	
Chlorobenzene	ug/L	ND	0.50	0.28	10/08/21 12:07	
Chloroethane	ug/L	ND	1.0	0.65	10/08/21 12:07	
Chloroform	ug/L	ND	0.50	0.35	10/08/21 12:07	
Chloromethane	ug/L	ND	1.0	0.54	10/08/21 12:07	
cis-1,2-Dichloroethene	ug/L	ND	0.50	0.38	10/08/21 12:07	
cis-1,3-Dichloropropene	ug/L	ND	0.50	0.36	10/08/21 12:07	
Dibromochloromethane	ug/L	ND	0.50	0.36	10/08/21 12:07	
Dibromomethane	ug/L	ND	0.50	0.39	10/08/21 12:07	
Dichlorodifluoromethane	ug/L	ND	0.50	0.35	10/08/21 12:07	
Diisopropyl ether	ug/L	ND	0.50	0.31	10/08/21 12:07	

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QUALITY CONTROL DATA

Project: CPC Huntersville-60639876
Pace Project No.: 92565572

METHOD BLANK: 3417785 Matrix: Water
Associated Lab Samples: 92565572001, 92565572002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Ethylbenzene	ug/L	ND	0.50	0.30	10/08/21 12:07	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	1.5	10/08/21 12:07	
Isopropylbenzene (Cumene)	ug/L	ND	0.50	0.33	10/08/21 12:07	
m&p-Xylene	ug/L	ND	1.0	0.71	10/08/21 12:07	
Methyl-tert-butyl ether	ug/L	ND	0.50	0.42	10/08/21 12:07	
Methylene Chloride	ug/L	ND	2.0	2.0	10/08/21 12:07	
n-Butylbenzene	ug/L	ND	0.50	0.49	10/08/21 12:07	
n-Propylbenzene	ug/L	ND	0.50	0.34	10/08/21 12:07	
Naphthalene	ug/L	ND	2.0	0.64	10/08/21 12:07	
o-Xylene	ug/L	ND	0.50	0.34	10/08/21 12:07	
sec-Butylbenzene	ug/L	ND	0.50	0.40	10/08/21 12:07	
Styrene	ug/L	ND	0.50	0.29	10/08/21 12:07	
tert-Butylbenzene	ug/L	ND	0.50	0.32	10/08/21 12:07	
Tetrachloroethene	ug/L	ND	0.50	0.29	10/08/21 12:07	
Toluene	ug/L	ND	0.50	0.48	10/08/21 12:07	
trans-1,2-Dichloroethene	ug/L	ND	0.50	0.40	10/08/21 12:07	
trans-1,3-Dichloropropene	ug/L	ND	0.50	0.36	10/08/21 12:07	
Trichloroethene	ug/L	ND	0.50	0.38	10/08/21 12:07	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	10/08/21 12:07	
Vinyl chloride	ug/L	ND	1.0	0.39	10/08/21 12:07	
1,2-Dichloroethane-d4 (S)	%	92	70-130		10/08/21 12:07	
4-Bromofluorobenzene (S)	%	98	70-130		10/08/21 12:07	
Toluene-d8 (S)	%	98	70-130		10/08/21 12:07	

LABORATORY CONTROL SAMPLE: 3417786

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	60.9	122	60-140	
1,1,1-Trichloroethane	ug/L	50	56.0	112	60-140	
1,1,2,2-Tetrachloroethane	ug/L	50	53.9	108	60-140	
1,1,2-Trichloroethane	ug/L	50	54.0	108	60-140	
1,1-Dichloroethane	ug/L	50	52.9	106	60-140	
1,1-Dichloroethene	ug/L	50	51.8	104	60-140	
1,1-Dichloropropene	ug/L	50	58.1	116	60-140	
1,2,3-Trichlorobenzene	ug/L	50	63.4	127	60-140	
1,2,3-Trichloropropane	ug/L	50	49.7	99	60-140	
1,2,4-Trichlorobenzene	ug/L	50	60.2	120	60-140	
1,2,4-Trimethylbenzene	ug/L	50	58.6	117	60-140	
1,2-Dibromo-3-chloropropane	ug/L	50	55.3	111	60-140	
1,2-Dibromoethane (EDB)	ug/L	50	57.8	116	60-140	
1,2-Dichlorobenzene	ug/L	50	57.1	114	60-140	
1,2-Dichloroethane	ug/L	50	51.4	103	60-140	
1,2-Dichloropropane	ug/L	50	55.3	111	60-140	
1,3,5-Trimethylbenzene	ug/L	50	59.5	119	60-140	

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QUALITY CONTROL DATA

Project: CPC Huntersville-60639876
Pace Project No.: 92565572

LABORATORY CONTROL SAMPLE: 3417786

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichlorobenzene	ug/L	50	59.7	119	60-140	
1,3-Dichloropropane	ug/L	50	56.4	113	60-140	
1,4-Dichlorobenzene	ug/L	50	56.0	112	60-140	
2,2-Dichloropropane	ug/L	50	55.6	111	60-140	
2-Chlorotoluene	ug/L	50	58.0	116	60-140	
4-Chlorotoluene	ug/L	50	55.3	111	60-140	
Benzene	ug/L	50	54.0	108	60-140	
Bromobenzene	ug/L	50	57.0	114	60-140	
Bromochloromethane	ug/L	50	54.3	109	60-140	
Bromodichloromethane	ug/L	50	54.9	110	60-140	
Bromoform	ug/L	50	56.7	113	60-140	
Bromomethane	ug/L	50	36.6	73	60-140	
Carbon tetrachloride	ug/L	50	57.6	115	60-140	
Chlorobenzene	ug/L	50	58.6	117	60-140	
Chloroethane	ug/L	50	59.1	118	60-140	
Chloroform	ug/L	50	53.1	106	60-140	
Chloromethane	ug/L	50	43.5	87	60-140	
cis-1,2-Dichloroethene	ug/L	50	50.5	101	60-140	
cis-1,3-Dichloropropene	ug/L	50	56.1	112	60-140	
Dibromochloromethane	ug/L	50	59.6	119	60-140	
Dibromomethane	ug/L	50	55.3	111	60-140	
Dichlorodifluoromethane	ug/L	50	50.5	101	60-140	
Diisopropyl ether	ug/L	50	54.0	108	60-140	
Ethylbenzene	ug/L	50	58.1	116	60-140	
Hexachloro-1,3-butadiene	ug/L	50	61.8	124	60-140	
Isopropylbenzene (Cumene)	ug/L	50	61.9	124	60-140	
m&p-Xylene	ug/L	100	116	116	60-140	
Methyl-tert-butyl ether	ug/L	50	55.3	111	60-140	
Methylene Chloride	ug/L	50	53.8	108	60-140	
n-Butylbenzene	ug/L	50	59.7	119	60-140	
n-Propylbenzene	ug/L	50	56.7	113	60-140	
Naphthalene	ug/L	50	58.0	116	60-140	
o-Xylene	ug/L	50	60.0	120	60-140	
sec-Butylbenzene	ug/L	50	59.7	119	60-140	
Styrene	ug/L	50	60.4	121	60-140	
tert-Butylbenzene	ug/L	50	49.4	99	60-140	
Tetrachloroethene	ug/L	50	62.0	124	60-140	
Toluene	ug/L	50	52.0	104	60-140	
trans-1,2-Dichloroethene	ug/L	50	54.5	109	60-140	
trans-1,3-Dichloropropene	ug/L	50	54.2	108	60-140	
Trichloroethene	ug/L	50	52.2	104	60-140	
Trichlorofluoromethane	ug/L	50	47.4	95	60-140	
Vinyl chloride	ug/L	50	47.1	94	60-140	
1,2-Dichloroethane-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			92	70-130	

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QUALITY CONTROL DATA

Project: CPC Huntersville-60639876
Pace Project No.: 92565572

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3417787 3417788

Parameter	Units	92565632002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	5000	5000	7120	7210	142	144	60-140	1	30	M1
1,1,1-Trichloroethane	ug/L	ND	5000	5000	6600	6940	132	139	60-140	5	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	5000	5000	6410	6710	128	134	60-140	5	30	
1,1,2-Trichloroethane	ug/L	ND	5000	5000	6320	6830	126	137	60-140	8	30	
1,1-Dichloroethane	ug/L	ND	5000	5000	6300	6500	126	130	60-140	3	30	
1,1-Dichloroethene	ug/L	ND	5000	5000	6190	6250	124	125	60-140	1	30	
1,1-Dichloropropene	ug/L	ND	5000	5000	6810	6960	136	139	60-140	2	30	
1,2,3-Trichlorobenzene	ug/L	ND	5000	5000	7400	7450	148	149	60-140	1	30	M1
1,2,3-Trichloropropane	ug/L	ND	5000	5000	6470	6230	129	125	60-140	4	30	
1,2,4-Trichlorobenzene	ug/L	ND	5000	5000	6950	6970	139	139	60-140	0	30	
1,2,4-Trimethylbenzene	ug/L	2360	5000	5000	9520	9500	143	143	60-140	0	30	M1
1,2-Dibromo-3-chloropropane	ug/L	ND	5000	5000	6360	6870	127	137	60-140	8	30	
1,2-Dibromoethane (EDB)	ug/L	ND	5000	5000	6690	7030	134	141	60-140	5	30	M1
1,2-Dichlorobenzene	ug/L	ND	5000	5000	6720	6880	134	138	60-140	2	30	
1,2-Dichloroethane	ug/L	ND	5000	5000	6140	6390	123	128	60-140	4	30	
1,2-Dichloropropane	ug/L	ND	5000	5000	6520	6860	130	137	60-140	5	30	
1,3,5-Trimethylbenzene	ug/L	ND	5000	5000	7700	7720	154	154	60-140	0	30	M1
1,3-Dichlorobenzene	ug/L	ND	5000	5000	7180	7140	144	143	60-140	1	30	M1
1,3-Dichloropropane	ug/L	ND	5000	5000	6610	7070	132	141	60-140	7	30	M1
1,4-Dichlorobenzene	ug/L	ND	5000	5000	6670	6730	133	135	60-140	1	30	
2,2-Dichloropropane	ug/L	ND	5000	5000	6160	6350	123	127	60-140	3	30	
2-Chlorotoluene	ug/L	ND	5000	5000	7200	7240	144	145	60-140	1	30	M1
4-Chlorotoluene	ug/L	ND	5000	5000	6660	6700	133	134	60-140	1	30	
Benzene	ug/L	18900	5000	5000	26200	26000	145	141	60-140	1	30	M1
Bromobenzene	ug/L	ND	5000	5000	6890	7110	138	142	60-140	3	30	M1
Bromochloromethane	ug/L	ND	5000	5000	6360	6640	127	133	60-140	4	30	
Bromodichloromethane	ug/L	ND	5000	5000	6270	6680	125	134	60-140	6	30	
Bromoform	ug/L	ND	5000	5000	6200	6720	124	134	60-140	8	30	
Bromomethane	ug/L	ND	5000	5000	4470	5180	89	104	60-140	15	30	
Carbon tetrachloride	ug/L	ND	5000	5000	6980	7170	140	143	60-140	3	30	M1
Chlorobenzene	ug/L	ND	5000	5000	7010	7140	140	143	60-140	2	30	M1
Chloroethane	ug/L	ND	5000	5000	7830	8090	157	162	60-140	3	30	M1
Chloroform	ug/L	ND	5000	5000	6340	6250	127	125	60-140	1	30	
Chloromethane	ug/L	ND	5000	5000	5210	5390	104	108	60-140	3	30	
cis-1,2-Dichloroethene	ug/L	ND	5000	5000	5960	6090	119	122	60-140	2	30	
cis-1,3-Dichloropropene	ug/L	ND	5000	5000	6340	6710	127	134	60-140	6	30	
Dibromochloromethane	ug/L	ND	5000	5000	6830	7200	137	144	60-140	5	30	M1
Dibromomethane	ug/L	ND	5000	5000	6580	6800	132	136	60-140	3	30	
Dichlorodifluoromethane	ug/L	ND	5000	5000	5920	6180	118	124	60-140	4	30	
Diisopropyl ether	ug/L	259	5000	5000	6490	6880	125	132	60-140	6	30	
Ethylbenzene	ug/L	2890	5000	5000	10000	10100	142	143	60-140	0	30	M1
Hexachloro-1,3-butadiene	ug/L	ND	5000	5000	7340	6960	147	139	60-140	5	30	M1
Isopropylbenzene (Cumene)	ug/L	ND	5000	5000	7700	7670	152	151	60-140	0	30	M1
m&p-Xylene	ug/L	11400	10000	10000	25900	25400	144	139	60-140	2	30	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CPC Huntersville-60639876
Pace Project No.: 92565572

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3417787 3417788

Parameter	Units	92565632002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Methyl-tert-butyl ether	ug/L	983	5000	5000	7430	7890	129	138	60-140	6	30	
Methylene Chloride	ug/L	ND	5000	5000	6210	6510	124	130	60-140	5	30	
n-Butylbenzene	ug/L	ND	5000	5000	7180	7140	144	143	60-140	1	30	M1
n-Propylbenzene	ug/L	252	5000	5000	7250	7260	140	140	60-140	0	30	
Naphthalene	ug/L	611	5000	5000	7530	7920	138	146	60-140	5	30	M1
o-Xylene	ug/L	5820	5000	5000	13200	13100	148	146	60-140	1	30	M1
sec-Butylbenzene	ug/L	ND	5000	5000	7270	7340	145	147	60-140	1	30	M1
Styrene	ug/L	ND	5000	5000	7240	7460	145	149	60-140	3	30	M1
tert-Butylbenzene	ug/L	ND	5000	5000	6170	6070	123	121	60-140	2	30	
Tetrachloroethene	ug/L	ND	5000	5000	7590	7540	152	151	60-140	1	30	M1
Toluene	ug/L	36600	5000	5000	42600	41900	119	106	60-140	2	30	
trans-1,2-Dichloroethene	ug/L	ND	5000	5000	6290	6580	126	132	60-140	4	30	
trans-1,3-Dichloropropene	ug/L	ND	5000	5000	6120	6570	122	131	60-140	7	30	
Trichloroethene	ug/L	ND	5000	5000	6310	6460	126	129	60-140	2	30	
Trichlorofluoromethane	ug/L	ND	5000	5000	5560	5620	111	112	60-140	1	30	
Vinyl chloride	ug/L	ND	5000	5000	5560	5810	111	116	60-140	4	30	
1,2-Dichloroethane-d4 (S)	%						95	96	70-130			
4-Bromofluorobenzene (S)	%						100	97	70-130			
Toluene-d8 (S)	%						93	93	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: CPC Huntersville-60639876
Pace Project No.: 92565572

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CPC Huntersville-60639876
Pace Project No.: 92565572

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92565572001	**MW-01**	EPA 3010A	651587	EPA 6010D	651602
92565572001	**MW-01**	SM 6200B	651708		
92565572002	**Trip Blank**	SM 6200B	651708		

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Pace Analytical	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: October 28, 2020 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.07	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☑ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: AECOM

Project #: WO# : 92565572

92565572

Courier: ☐ Commercial ☐ Fed Ex ☐ Pace ☐ UPS ☐ USPS ☐ Other: ☑ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☑ No

Date/Initials Person Examining Contents: KS 10/7/21

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Thermometer: ☑ IR Gun ID: 92700647 Type of Ice: ☑ Wet ☐ Blue ☐ None

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Cooler Temp: 4.4 Correction Factor: Add/Subtract (°C) 0

Cooler Temp Corrected (°C): 4.4

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (Internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☑ Yes	☐ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WT				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☑ No	☐ N/A	10.
Trip Blank Present?	☑ Yes	☐ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☑ Yes	☐ No	☐ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

Project # **WO# : 92565572**

PM: BV Due Date: 10/12/21

CLIENT: 92-AECOM CHA

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastid Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1						1 ✓										7													
2																2													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical
WWW.PACELABS.COM

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Page : 1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	AECOM	Report To:	Andy Wreschnig	Attention:	
Address:	6000 Fairview Road	Copy To:		Company Name:	
Suite 200, Charlotte, NC 28210				Address:	
Email:	andrew.wreschnig@aecom.com	Purchase Order #:		Pace Quote:	60639876
Phone:	(704)716-0757 Fax	Project Name:	CPC Huntersville-60639876	Pace Project Manager:	bonnie.vang@pacelabs.com,
Requested Due Date:	3-Day TAT	Project #:		Pace Profile #:	12518-3

Regulatory Agency

State / Location: NC

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analyses Test: 6200B	VPH	6010-Pb	n-butanol by 6200	Trip BLANK	Residual Chlorine (Y/N)	92565572
1	MW-01	WT	G	10/7/21	1430				8			1	7						X	X	X				3-Day TAT 001
2	Trip Blank	Lab	Provided	-					2														X		002
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
3-Day TAT	Mike de Kozlowski / AECOM	10/7/21	1600	JB Pace HVL	10/7/21	1600	4.4	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Mike de Kozlowski

SIGNATURE of SAMPLER: Mike de Kozlowski DATE Signed: 10/7/21

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

October 12, 2021

Bonnie Vang
Pace Analytical Services - NC
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078

Project Location: NC
Client Job Number:
Project Number: 92565572
Laboratory Work Order Number: 21J0526

Enclosed are results of analyses for samples as received by the laboratory on October 9, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Pace Analytical Services - NC
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
ATTN: Bonnie Vang

REPORT DATE: 10/12/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 92565572

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21J0526

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: NC

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-01	21J0526-01	Water		MADEP-VPH-Feb 2018 Rev 2.1	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

MADEP-VPH-Feb 2018 Rev 2.1

Qualifications:

Z-01

Individual non-target had high recovery but summary of range was within method limits.

Analyte & Samples(s) Qualified:

Butylcyclohexane
B292138-BS1, B292138-BSD1

Nonane
B292138-BS1, B292138-BSD1

MADEP-VPH-Feb 2018 Rev 2.1

No significant modifications were made to the method. All VPH samples were received preserved properly at pH <2 in the proper containers as specified on the chain-of-custody form unless specified in this narrative.

Analytical column used for VPH analysis is Restek, Rtx-502.2, 105meter, 0.53mmID, 3um df. Trap used for VPH analysis is Carbopack B/CarboSieveS-III.

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

con-test® A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: NC | Sample Description: | Work Order: 21J0526

Date Received: 10/9/2021

Field Sample #: MW-01 | Sampled: 10/7/2021 14:30

Sample ID: 21J0526-01

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/11/21	10/11/21 13:36	ORG
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/11/21	10/11/21 13:36	ORG
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/11/21	10/11/21 13:36	ORG
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/11/21	10/11/21 13:36	ORG
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/11/21	10/11/21 13:36	ORG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	80.5	70-130		10/11/21 13:36
2,5-Dibromotoluene (PID)	74.1	70-130		10/11/21 13:36

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: MA VPH **Analytical Method: MADEP-VPH-Feb 2018 Rev 2.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21J0526-01 [MW-01]	B292138	5	5.00	10/11/21

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B292138 - MA VPH											
Blank (B292138-BLK1)				Prepared & Analyzed: 10/11/21							
Unadjusted C5-C8 Aliphatics	ND	100	µg/L								
C5-C8 Aliphatics	ND	100	µg/L								
Unadjusted C9-C12 Aliphatics	ND	100	µg/L								
C9-C12 Aliphatics	ND	100	µg/L								
C9-C10 Aromatics	ND	100	µg/L								
Benzene	ND	1.0	µg/L								
Butylcyclohexane	ND	1.0	µg/L								
Decane	ND	1.0	µg/L								
Ethylbenzene	ND	1.0	µg/L								
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L								
2-Methylpentane	ND	1.0	µg/L								
Naphthalene	ND	5.0	µg/L								
Nonane	ND	1.0	µg/L								
Pentane	ND	1.0	µg/L								
Toluene	ND	1.0	µg/L								
1,2,4-Trimethylbenzene	ND	1.0	µg/L								
2,2,4-Trimethylpentane	ND	1.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 2,5-Dibromotoluene (FID)	*35.2*		µg/L	40.0		88.1		70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*32.4*		µg/L	40.0		81.0		70-130			
LCS (B292138-BS1)				Prepared & Analyzed: 10/11/21							
Unadjusted C5-C8 Aliphatics	708	100	µg/L					70-130			
Unadjusted C9-C12 Aliphatics	350	100	µg/L					70-130			
C9-C10 Aromatics	144	100	µg/L					70-130			
Benzene	44.5	1.0	µg/L	50.0		89.1		70-130			
Butylcyclohexane	66.7	1.0	µg/L	50.0		**133**	*	70-130			Z-01
Decane	56.8	1.0	µg/L	50.0		114		70-130			
Ethylbenzene	46.3	1.0	µg/L	50.0		92.6		70-130			
Methyl tert-Butyl Ether (MTBE)	46.0	1.0	µg/L	50.0		92.0		70-130			
2-Methylpentane	45.5	1.0	µg/L	50.0		91.0		70-130			
Naphthalene	47.8	5.0	µg/L	50.0		95.6		70-130			
Nonane	67.6	1.0	µg/L	50.0		**135**	*	70-130			Z-01
Pentane	41.6	1.0	µg/L	50.0		83.2		70-130			
Toluene	46.5	1.0	µg/L	50.0		93.0		70-130			
1,2,4-Trimethylbenzene	44.1	1.0	µg/L	50.0		88.3		70-130			
2,2,4-Trimethylpentane	45.8	1.0	µg/L	50.0		91.7		70-130			
m+p Xylene	93.8	2.0	µg/L	100		93.8		70-130			
o-Xylene	47.7	1.0	µg/L	50.0		95.4		70-130			
Surrogate: 2,5-Dibromotoluene (FID)	*39.1*		µg/L	40.0		97.7		70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*36.4*		µg/L	40.0		90.9		70-130			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B292138 - MA VPH											
LCS Dup (B292138-BSD1)				Prepared & Analyzed: 10/11/21							
Unadjusted C5-C8 Aliphatics	649	100	µg/L					70-130	8.63	25	
Unadjusted C9-C12 Aliphatics	333	100	µg/L					70-130	5.03	25	
C9-C10 Aromatics	142	100	µg/L					70-130	1.78	25	
Benzene	42.1	1.0	µg/L	50.0		84.2		70-130	5.62	25	
Butylcyclohexane	65.4	1.0	µg/L	50.0		**131**	*	70-130	2.01	25	Z-01
Decane	55.6	1.0	µg/L	50.0		111		70-130	2.25	25	
Ethylbenzene	44.1	1.0	µg/L	50.0		88.1		70-130	5.03	25	
Methyl tert-Butyl Ether (MTBE)	43.0	1.0	µg/L	50.0		85.9		70-130	6.83	25	
2-Methylpentane	40.7	1.0	µg/L	50.0		81.3		70-130	11.3	25	
Naphthalene	46.6	5.0	µg/L	50.0		93.1		70-130	2.56	25	
Nonane	65.9	1.0	µg/L	50.0		**132**	*	70-130	2.44	25	Z-01
Pentane	38.7	1.0	µg/L	50.0		77.4		70-130	7.18	25	
Toluene	44.0	1.0	µg/L	50.0		87.9		70-130	5.59	25	
1,2,4-Trimethylbenzene	42.7	1.0	µg/L	50.0		85.4		70-130	3.36	25	
2,2,4-Trimethylpentane	40.4	1.0	µg/L	50.0		80.8		70-130	12.5	25	
m+p Xylene	88.5	2.0	µg/L	100		88.5		70-130	5.83	25	
o-Xylene	44.9	1.0	µg/L	50.0		89.8		70-130	6.14	25	
Surrogate: 2,5-Dibromotoluene (FID)	*39.0*		µg/L	40.0		97.5		70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*33.8*		µg/L	40.0		84.5		70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
Z-01	Individual non-target had high recovery but summary of range was within method limits.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
MADEP-VPH-Feb 2018 Rev 2.1 in Water	
Unadjusted C5-C8 Aliphatics	CT,NC,ME,NH-P
C5-C8 Aliphatics	CT,NC,ME,NH-P
Unadjusted C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C10 Aromatics	CT,NC,ME,NH-P

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

Internal Transfer Chain of Custody

21J0526

☐ Samples Pre-Logged into eCOC.

State Of Origin: NC
Cert. Needed: ☒ Yes ☐ No
Owner Received Date: 10/7/2021 Results Requested By: 10/12/2021

Pace Analytical® www.pacelabs.com

Workorder: 92565572 Workorder Name: CPC Huntersville-60639876

Report To	Subcontract To
Bonnie Vang Pace Analytical Charlotte 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 Phone (704)875-9092	Pace New England 39 Spruce St. East Longmeadow, MA 01028 Phone (413)525-2332

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HCl	Requested Analysis: NC VPH	LAB USE ONLY
1	MW-01	PS	10/7/2021 14:30	92565572001	Water	3	X	1
2								
3								
4								
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1	SK Pace HVL	10-8-21 11:00		1119 958
2				
3				

Comments

Cooler Temperature on Receipt 2.8 °C | Custody Seal Y or (N) | Received on Ice (Y) or N | Samples Intact (Y) or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.

FedEx

TRACK ANOTHER SHIPMENT

987548462883

ADD NICKNAME

Delivered
Saturday, October 9, 2021 at 9:58 am

DELIVERED

Signature release on file

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM	TO
Huntersville, NC US	EAST LONGMEADOW, MA US

Travel History

TIME ZONE
Local Scan Time

Saturday, October 9, 2021

9:58 AM	EAST LONGMEADOW, MA	Delivered Package delivered to recipient address - release authorized
8:55 AM	WINDSOR LOCKS, CT	On FedEx vehicle for delivery
8:08 AM	WINDSOR LOCKS, CT	At local FedEx facility
7:05 AM	EAST GRANBY, CT	At destination sort facility
3:50 AM	MEMPHIS, TN	Departed FedEx hub

Friday, October 8, 2021

10:51 PM	MEMPHIS, TN	Arrived at FedEx hub
8:45 PM	CONCORD, NC	Left FedEx origin facility
4:57 PM		Shipment information sent to FedEx
5:17 PM	CONCORD, NC	Picked up

Shipment Facts

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Pace

Received By MP Date 10/9 Time 958

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____

Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 5 Actual Temp - 2.8

By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? T

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? T Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? NA Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-	3	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 14, 2021

Andrew Wreschnig
AECOM
6000 Fairview Road
Suite 200
Charlotte, NC 28210

RE: Project: CPC HUNTERSVILLE-60639876
Pace Project No.: 92566046

Dear Andrew Wreschnig:

Enclosed are the analytical results for sample(s) received by the laboratory on October 11, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Teresa Amentt Jennings, AECOM
Jeff Morrison, Colonial Pipeline Company

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Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: CPC HUNTERSVILLE-60639876
Pace Project No.: 92566046

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: CPC HUNTERSVILLE-60639876
Pace Project No.: 92566046

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92566046001	**MW-07D**	Water	10/11/21 10:20	10/11/21 13:35
92566046002	**MW-97D**	Water	10/11/21 11:55	10/11/21 13:35
92566046003	**TRIP BLANK**	Water	10/11/21 00:00	10/11/21 13:35

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SAMPLE ANALYTE COUNT

Project: CPC HUNTERSVILLE-60639876
Pace Project No.: 92566046

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92566046001	**MW-07D**	EPA 6010D	CBV	1	PASI-A
92566046002	**MW-97D**	EPA 6010D	CBV	1	PASI-A

PASI-A = Pace Analytical Services - Asheville

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE-60639876
Pace Project No.: 92566046

Sample: MW-07D **Lab ID: 92566046001** Collected: 10/11/21 10:20 Received: 10/11/21 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/12/21 03:38	10/12/21 20:47	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CPC HUNTERSVILLE-60639876
Pace Project No.: 92566046

Sample: MW-97D **Lab ID: 92566046002** Collected: 10/11/21 11:55 Received: 10/11/21 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/12/21 03:38	10/12/21 21:00	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CPC HUNTERSVILLE-60639876
Pace Project No.: 92566046

QC Batch: 652170
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92566046001, 92566046002

METHOD BLANK: 3420064 Matrix: Water
Associated Lab Samples: 92566046001, 92566046002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	4.5	10/12/21 20:34	

LABORATORY CONTROL SAMPLE: 3420065

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	483	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3420066 3420067

Parameter	Units	92566046001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	500	495	100	99	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: CPC HUNTERSVILLE-60639876
Pace Project No.: 92566046

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CPC HUNTERSVILLE-60639876
Pace Project No.: 92566046

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92566046001	**MW-07D**	EPA 3010A	652170	EPA 6010D	652186
92566046002	**MW-97D**	EPA 3010A	652170	EPA 6010D	652186

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Pace Analytical	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: October 28, 2020 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.07	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☑ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: AECOM

Project WO# : 92566046

92566046

Courier: ☐ Commercial ☐ Fed Ex ☐ Pace ☐ UPS ☐ USPS ☐ Other: ☑ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☑ No

Date/Initials Person Examining Contents: KS 10/11/21

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 92T064 ☐ Wet ☐ Blue ☐ None Type of Ice:

Cooler Temp: 5.8 Correction Factor: Add/Subtract (°C) 0

Cooler Temp Corrected (°C): 5.8

Temp should be above freezing to 6°C ☐ Samples out of temp criteria. Samples on ice, cooling process has begun

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (Internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WT				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☑ No	☐ N/A	10.
Trip Blank Present?	☑ Yes	☐ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☑ Yes	☐ No	☐ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

***Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.**

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

****Bottom half of box is to list number of bottles**

Projec

WO# : 92566046

PM: BV **Due Date: 10/14/21**

CLIENT: 92-AECOM CHA

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-504S kit (N/A)	VG/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1						1										7												
2						1										7												
3																2												
4																												
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

CHAIN-OF-CUSTODY / Analytical Request Document

Pace Analytical® WWW.PACELABS.COM

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	AECOM	Report To:	Andy Wreschnig	Attention:	
Address:	6000 Fairview Road	Copy To:		Company Name:	
	Suite 200, Charlotte, NC 28210			Address:	
Email:	andrew.wreschnig@aecom.com	Purchase Order #:		Pace Quote:	60639876
Phone:	(704)716-0757 Fax	Project Name:	CPC Huntersville-60639876	Pace Project Manager:	bonnie.vang@pacelabs.com,
Requested Due Date:	3 day	Project #:		Pace Profile #:	12518-3

Regulatory Agency

State / Location: NC

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	6200B	VPH	6010-Pb	n-butanol by 6200	Trip BLANK	Residual Chlorine (Y/N)	92560046
1	MW-07D	WT	G	10/11/21	1020				8			1	7						X	X	X				001
2	MW-97D	WT	G	10/11/21	1155				8			1	7						X	X	X				002
3	TRIP BLANK	WT	LAB	PROVIDED					2				2										X		003
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

AG 10/11/2021

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
3 day Turnaround Time	AG / AECom	10/11/2021	1335	KS Pace HVL	10/11/21	1335	5.8	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Andrew O'Malia

SIGNATURE of SAMPLER: AG DATE Signed: 10/11/2021

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

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October 14, 2021

Bonnie Vang
Pace Analytical Services - NC
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078

Project Location: CPC Huntersville-60639876
Client Job Number:
Project Number: 92566046
Laboratory Work Order Number: 21J0601

Enclosed are results of analyses for samples as received by the laboratory on October 12, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Pace Analytical Services - NC
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
ATTN: Bonnie Vang

REPORT DATE: 10/14/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 92566046

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21J0601

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: CPC Huntersville-60639876

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-07D	21J0601-01	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
MW-97D	21J0601-02	Water		MADEP-VPH-Feb 2018 Rev 2.1 SM21-23 6200B	
Trip Blank	21J0601-03	Water		SM21-23 6200B	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method MA VPH, only hydrocarbon ranges were requested and reported.

SM21-23 6200B

Qualifications:

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

Trichlorofluoromethane (Freon 11)
B292246-BS1, B292246-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Dichlorodifluoromethane (Freon 12
B292246-BSD1

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

trans-1,2-Dichloroethylene
21J0601-01[MW-07D], 21J0601-02[MW-97D], 21J0601-03[Trip Blank], B292246-BLK1, B292246-BS1, B292246-BSD1

MADEP-VPH-Feb 2018 Rev 2.1

No significant modifications were made to the method. All VPH samples were received preserved properly at pH <2 in the proper containers as specified on the chain-of-custody form unless specified in this narrative.

Analytical column used for VPH analysis is Restek, Rtx-502.2, 105meter, 0.53mmID, 3um df. Trap used for VPH analysis is Carbopack B/CarboSieveS-III.

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0601

Date Received: 10/12/2021

Field Sample #: MW-07D Sampled: 10/11/2021 10:20

Sample ID: 21J0601-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	13	0.50	0.13	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
Bromoform	ND	0.50	0.29	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
Bromomethane	ND	2.0	1.1	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
Chloromethane	ND	2.0	0.38	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1	R-05	SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
Diisopropyl Ether (DIPE)	14	0.50	0.15	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
Ethylbenzene	0.81	0.50	0.090	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
Methyl tert-Butyl Ether (MTBE)	7.4	0.50	0.17	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
n-Propylbenzene	0.13	0.50	0.080	µg/L	1	J	SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0601

Date Received: 10/12/2021

Field Sample #: MW-07D Sampled: 10/11/2021 10:20

Sample ID: 21J0601-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
Toluene	1.0	0.50	0.11	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
1,2,4-Trimethylbenzene	0.88	0.50	0.10	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
1,3,5-Trimethylbenzene	0.30	0.50	0.10	µg/L	1	J	SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
m+p Xylene	4.0	1.0	0.18	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH
o-Xylene	4.5	0.50	0.090	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:50	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.1	70-130		10/12/21 17:50
Toluene-d8	95.6	70-130		10/12/21 17:50
4-Bromofluorobenzene	103	70-130		10/12/21 17:50

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0601

Date Received: 10/12/2021

Field Sample #: MW-07D Sampled: 10/11/2021 10:20

Sample ID: 21J0601-01

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/12/21	10/12/21 18:14	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/12/21	10/12/21 18:14	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/12/21	10/12/21 18:14	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/12/21	10/12/21 18:14	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/12/21	10/12/21 18:14	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	76.5	70-130		10/12/21 18:14
2,5-Dibromotoluene (PID)	78.8	70-130		10/12/21 18:14

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0601

Date Received: 10/12/2021

Field Sample #: MW-97D Sampled: 10/11/2021 11:55

Sample ID: 21J0601-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
Bromoform	ND	0.50	0.29	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
Bromomethane	ND	2.0	1.1	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
Chloromethane	ND	2.0	0.38	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1	R-05	SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
Methylene Chloride	ND	5.0	0.30	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0601

Date Received: 10/12/2021

Field Sample #: MW-97D Sampled: 10/11/2021 11:55

Sample ID: 21J0601-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
Toluene	0.16	0.50	0.11	µg/L	1	J	SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
m+p Xylene	0.35	1.0	0.18	µg/L	1	J	SM21-23 6200B	10/12/21	10/12/21 18:17	EEH
o-Xylene	0.12	0.50	0.090	µg/L	1	J	SM21-23 6200B	10/12/21	10/12/21 18:17	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	90.8	70-130		10/12/21 18:17
Toluene-d8	95.0	70-130		10/12/21 18:17
4-Bromofluorobenzene	102	70-130		10/12/21 18:17

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0601

Date Received: 10/12/2021

Field Sample #: MW-97D Sampled: 10/11/2021 11:55

Sample ID: 21J0601-02

Sample Matrix: Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/12/21	10/12/21 17:44	KMB
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/12/21	10/12/21 17:44	KMB
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/12/21	10/12/21 17:44	KMB
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/12/21	10/12/21 17:44	KMB
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-Feb 2018 Rev 2.1	10/12/21	10/12/21 17:44	KMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,5-Dibromotoluene (FID)	80.6	70-130		10/12/21 17:44
2,5-Dibromotoluene (PID)	75.7	70-130		10/12/21 17:44

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0601

Date Received: 10/12/2021

Field Sample #: Trip Blank Sampled: 10/11/2021 00:00

Sample ID: 21J0601-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
Bromobenzene	ND	0.50	0.13	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
Bromochloromethane	ND	0.50	0.36	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
Bromoform	ND	0.50	0.29	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
Bromomethane	ND	2.0	1.1	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
n-Butylbenzene	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
sec-Butylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
tert-Butylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
Carbon Tetrachloride	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
Chlorobenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
Chlorodibromomethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
Chloroethane	ND	0.50	0.37	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
Chloroform	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
Chloromethane	ND	2.0	0.38	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
2-Chlorotoluene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
4-Chlorotoluene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.72	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
Dibromomethane	ND	1.0	0.29	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
1,2-Dichlorobenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
1,3-Dichlorobenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
1,4-Dichlorobenzene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
1,1-Dichloroethane	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
1,2-Dichloroethane	ND	0.50	0.32	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
1,1-Dichloroethylene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.17	µg/L	1	R-05	SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
1,2-Dichloropropane	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
2,2-Dichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
1,1-Dichloropropene	ND	0.50	0.26	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
trans-1,3-Dichloropropene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
Ethylbenzene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
Hexachlorobutadiene	ND	0.60	0.41	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
Methylene Chloride	1.1	5.0	0.30	µg/L	1	J	SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
Naphthalene	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
n-Propylbenzene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
Styrene	ND	0.50	0.080	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH

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Project Location: CPC Huntersville-60639876 Sample Description: Work Order: 21J0601

Date Received: 10/12/2021

Field Sample #: Trip Blank Sampled: 10/11/2021 00:00

Sample ID: 21J0601-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
Tetrachloroethylene	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
Toluene	ND	0.50	0.11	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
1,2,3-Trichlorobenzene	ND	1.0	0.14	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.16	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
1,1,1-Trichloroethane	ND	0.50	0.17	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
1,1,2-Trichloroethane	ND	0.50	0.15	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
Trichloroethylene	ND	0.50	0.18	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.19	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
1,2,3-Trichloropropane	ND	0.50	0.31	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
1,2,4-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
1,3,5-Trimethylbenzene	ND	0.50	0.10	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
Vinyl Chloride	ND	0.50	0.20	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
m+p Xylene	ND	1.0	0.18	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH
o-Xylene	ND	0.50	0.090	µg/L	1		SM21-23 6200B	10/12/21	10/12/21 17:23	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.1	70-130		10/12/21 17:23
Toluene-d8	94.7	70-130		10/12/21 17:23
4-Bromofluorobenzene	101	70-130		10/12/21 17:23

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Sample Extraction Data

Prep Method: MA VPH **Analytical Method: MADEP-VPH-Feb 2018 Rev 2.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21J0601-01 [MW-07D]	B292241	5	5.00	10/12/21
21J0601-02 [MW-97D]	B292241	5	5.00	10/12/21

Prep Method: SW-846 5030B **Analytical Method: SM21-23 6200B**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21J0601-01 [MW-07D]	B292246	5	5.00	10/12/21
21J0601-02 [MW-97D]	B292246	5	5.00	10/12/21
21J0601-03 [Trip Blank]	B292246	5	5.00	10/12/21

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B292246 - SW-846 5030B										
Blank (B292246-BLK1)				Prepared & Analyzed: 10/12/21						
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromochloromethane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	2.0	µg/L							
n-Butylbenzene	ND	0.50	µg/L							
sec-Butylbenzene	ND	0.50	µg/L							
tert-Butylbenzene	ND	0.50	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	0.50	µg/L							R-05
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
Naphthalene	ND	0.50	µg/L							
n-Propylbenzene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
1,2,3-Trichlorobenzene	ND	1.0	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B292246 - SW-846 5030B										
Blank (B292246-BLK1)				Prepared & Analyzed: 10/12/21						
Trichloroethylene	ND	0.50	µg/L							
Trichlorofluoromethane (Freon 11)	ND	0.50	µg/L							
1,2,3-Trichloropropane	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	0.50	µg/L							
m+p Xylene	ND	1.0	µg/L							
o-Xylene	ND	0.50	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*22.6*		µg/L	25.0		90.3	70-130			
Surrogate: Toluene-d8	*23.6*		µg/L	25.0		94.6	70-130			
Surrogate: 4-Bromofluorobenzene	*25.4*		µg/L	25.0		102	70-130			
LCS (B292246-BS1)				Prepared & Analyzed: 10/12/21						
Benzene	7.29	0.50	µg/L	10.0		72.9	70-130			
Bromobenzene	9.62	0.50	µg/L	10.0		96.2	70-130			
Bromochloromethane	8.13	0.50	µg/L	10.0		81.3	70-130			
Bromodichloromethane	10.0	0.50	µg/L	10.0		100	70-130			
Bromoform	12.2	0.50	µg/L	10.0		122	70-130			
Bromomethane	10.9	2.0	µg/L	10.0		109	60-140			†
n-Butylbenzene	8.80	0.50	µg/L	10.0		88.0	70-130			
sec-Butylbenzene	8.88	0.50	µg/L	10.0		88.8	70-130			
tert-Butylbenzene	9.30	0.50	µg/L	10.0		93.0	70-130			
Carbon Tetrachloride	9.47	0.50	µg/L	10.0		94.7	70-130			
Chlorobenzene	10.1	0.50	µg/L	10.0		101	70-130			
Chlorodibromomethane	10.8	0.50	µg/L	10.0		108	70-130			
Chloroethane	10.6	0.50	µg/L	10.0		106	60-140			
Chloroform	8.38	0.50	µg/L	10.0		83.8	70-130			
Chloromethane	9.33	0.60	µg/L	10.0		93.3	60-140			†
2-Chlorotoluene	8.92	0.50	µg/L	10.0		89.2	70-130			
4-Chlorotoluene	9.77	0.50	µg/L	10.0		97.7	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.24	5.0	µg/L	10.0		92.4	70-130			
1,2-Dibromoethane (EDB)	10.3	0.50	µg/L	10.0		103	70-130			
Dibromomethane	10.6	1.0	µg/L	10.0		106	70-130			
1,2-Dichlorobenzene	9.67	0.50	µg/L	10.0		96.7	70-130			
1,3-Dichlorobenzene	9.61	0.50	µg/L	10.0		96.1	70-130			
1,4-Dichlorobenzene	9.67	0.50	µg/L	10.0		96.7	70-130			
Dichlorodifluoromethane (Freon 12)	13.1	0.50	µg/L	10.0		131	60-140			†
1,1-Dichloroethane	7.94	0.50	µg/L	10.0		79.4	70-130			
1,2-Dichloroethane	10.4	0.50	µg/L	10.0		104	70-130			
1,1-Dichloroethylene	11.1	0.50	µg/L	10.0		111	70-130			
cis-1,2-Dichloroethylene	8.10	0.50	µg/L	10.0		81.0	70-130			
trans-1,2-Dichloroethylene	7.59	0.50	µg/L	10.0		75.9	70-130			R-05
1,2-Dichloropropane	8.63	0.50	µg/L	10.0		86.3	70-130			
1,3-Dichloropropane	9.40	0.50	µg/L	10.0		94.0	70-130			
2,2-Dichloropropane	9.87	0.50	µg/L	10.0		98.7	70-130			†
1,1-Dichloropropene	7.97	0.50	µg/L	10.0		79.7	70-130			
cis-1,3-Dichloropropene	9.33	0.50	µg/L	10.0		93.3	70-130			
trans-1,3-Dichloropropene	9.79	0.50	µg/L	10.0		97.9	70-130			
Diisopropyl Ether (DIPE)	7.60	0.50	µg/L	10.0		76.0	70-130			
Ethylbenzene	9.65	0.50	µg/L	10.0		96.5	70-130			
Hexachlorobutadiene	10.4	0.60	µg/L	10.0		104	70-130			
Isopropylbenzene (Cumene)	9.88	0.50	µg/L	10.0		98.8	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B292246 - SW-846 5030B												
LCS (B292246-BS1)				Prepared & Analyzed: 10/12/21								
Methyl tert-Butyl Ether (MTBE)	9.60	0.50	µg/L	10.0		96.0		70-130				
Methylene Chloride	11.6	5.0	µg/L	10.0		116		70-130				
Naphthalene	8.55	0.50	µg/L	10.0		85.5		70-130				†
n-Propylbenzene	9.60	0.50	µg/L	10.0		96.0		70-130				
Styrene	10.1	0.50	µg/L	10.0		101		70-130				
1,1,1,2-Tetrachloroethane	11.1	0.50	µg/L	10.0		111		70-130				
1,1,2,2-Tetrachloroethane	10.2	0.50	µg/L	10.0		102		70-130				
Tetrachloroethylene	10.4	0.50	µg/L	10.0		104		70-130				
Toluene	9.13	0.50	µg/L	10.0		91.3		70-130				
1,2,3-Trichlorobenzene	9.06	1.0	µg/L	10.0		90.6		70-130				
1,2,4-Trichlorobenzene	9.56	0.50	µg/L	10.0		95.6		70-130				
1,1,1-Trichloroethane	9.13	0.50	µg/L	10.0		91.3		70-130				
1,1,2-Trichloroethane	9.93	0.50	µg/L	10.0		99.3		70-130				
Trichloroethylene	9.59	0.50	µg/L	10.0		95.9		70-130				
Trichlorofluoromethane (Freon 11)	13.1	0.50	µg/L	10.0		**131**	*	70-130			L-02	
1,2,3-Trichloropropane	10.4	0.50	µg/L	10.0		104		70-130				
1,2,4-Trimethylbenzene	8.98	0.50	µg/L	10.0		89.8		70-130				
1,3,5-Trimethylbenzene	10.1	0.50	µg/L	10.0		101		70-130				
Vinyl Chloride	9.47	0.50	µg/L	10.0		94.7		60-140				†
m+p Xylene	19.8	1.0	µg/L	20.0		98.8		70-130				
o-Xylene	9.86	0.50	µg/L	10.0		98.6		70-130				
Surrogate: 1,2-Dichloroethane-d4	*22.9*		µg/L	25.0		91.5		70-130				
Surrogate: Toluene-d8	*23.5*		µg/L	25.0		94.0		70-130				
Surrogate: 4-Bromofluorobenzene	*25.8*		µg/L	25.0		103		70-130				
LCS Dup (B292246-BSD1)				Prepared & Analyzed: 10/12/21								
Benzene	7.73	0.50	µg/L	10.0		77.3		70-130	5.86	25		
Bromobenzene	9.86	0.50	µg/L	10.0		98.6		70-130	2.46	25		
Bromochloromethane	8.11	0.50	µg/L	10.0		81.1		70-130	0.246	25		
Bromodichloromethane	10.3	0.50	µg/L	10.0		103		70-130	2.26	25		
Bromoform	12.3	0.50	µg/L	10.0		123		70-130	1.06	25		
Bromomethane	11.0	2.0	µg/L	10.0		110		60-140	0.823	25		†
n-Butylbenzene	8.94	0.50	µg/L	10.0		89.4		70-130	1.58	25		
sec-Butylbenzene	9.21	0.50	µg/L	10.0		92.1		70-130	3.65	25		
tert-Butylbenzene	9.47	0.50	µg/L	10.0		94.7		70-130	1.81	25		
Carbon Tetrachloride	10.4	0.50	µg/L	10.0		104		70-130	9.07	25		
Chlorobenzene	10.6	0.50	µg/L	10.0		106		70-130	4.44	25		
Chlorodibromomethane	11.2	0.50	µg/L	10.0		112		70-130	3.09	25		
Chloroethane	12.3	0.50	µg/L	10.0		123		60-140	14.8	25		
Chloroform	8.98	0.50	µg/L	10.0		89.8		70-130	6.91	25		
Chloromethane	11.0	0.60	µg/L	10.0		110		60-140	16.1	25		†
2-Chlorotoluene	9.37	0.50	µg/L	10.0		93.7		70-130	4.92	25		
4-Chlorotoluene	10.2	0.50	µg/L	10.0		102		70-130	4.70	25		
1,2-Dibromo-3-chloropropane (DBCP)	8.39	5.0	µg/L	10.0		83.9		70-130	9.64	25		
1,2-Dibromoethane (EDB)	10.8	0.50	µg/L	10.0		108		70-130	4.44	25		
Dibromomethane	11.0	1.0	µg/L	10.0		110		70-130	3.44	25		
1,2-Dichlorobenzene	9.75	0.50	µg/L	10.0		97.5		70-130	0.824	25		
1,3-Dichlorobenzene	9.52	0.50	µg/L	10.0		95.2		70-130	0.941	25		
1,4-Dichlorobenzene	9.69	0.50	µg/L	10.0		96.9		70-130	0.207	25		
Dichlorodifluoromethane (Freon 12)	14.1	0.50	µg/L	10.0		**141**	*	60-140	7.14	25	L-07	†
1,1-Dichloroethane	8.16	0.50	µg/L	10.0		81.6		70-130	2.73	25		
1,2-Dichloroethane	10.7	0.50	µg/L	10.0		107		70-130	2.95	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes	
Batch B292246 - SW-846 5030B													
LCS Dup (B292246-BSD1)				Prepared & Analyzed: 10/12/21									
1,1-Dichloroethylene	11.9	0.50	µg/L	10.0		119		70-130	6.79		25		
cis-1,2-Dichloroethylene	8.33	0.50	µg/L	10.0		83.3		70-130	2.80		25		
trans-1,2-Dichloroethylene	10.2	0.50	µg/L	10.0		102		70-130	**29.6**	*	25	R-05	
1,2-Dichloropropane	9.01	0.50	µg/L	10.0		90.1		70-130	4.31		25		
1,3-Dichloropropane	9.62	0.50	µg/L	10.0		96.2		70-130	2.31		25		
2,2-Dichloropropane	10.3	0.50	µg/L	10.0		103		70-130	4.65		25		†
1,1-Dichloropropene	8.57	0.50	µg/L	10.0		85.7		70-130	7.26		25		
cis-1,3-Dichloropropene	9.49	0.50	µg/L	10.0		94.9		70-130	1.70		25		
trans-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102		70-130	4.30		25		
Diisopropyl Ether (DIPE)	7.85	0.50	µg/L	10.0		78.5		70-130	3.24		25		
Ethylbenzene	10.3	0.50	µg/L	10.0		103		70-130	6.71		25		
Hexachlorobutadiene	10.4	0.60	µg/L	10.0		104		70-130	0.865		25		
Isopropylbenzene (Cumene)	10.6	0.50	µg/L	10.0		106		70-130	6.56		25		
Methyl tert-Butyl Ether (MTBE)	9.62	0.50	µg/L	10.0		96.2		70-130	0.208		25		
Methylene Chloride	12.0	5.0	µg/L	10.0		120		70-130	3.65		25		
Naphthalene	7.95	0.50	µg/L	10.0		79.5		70-130	7.27		25		†
n-Propylbenzene	10.2	0.50	µg/L	10.0		102		70-130	6.16		25		
Styrene	10.4	0.50	µg/L	10.0		104		70-130	3.13		25		
1,1,1,2-Tetrachloroethane	11.6	0.50	µg/L	10.0		116		70-130	4.85		25		
1,1,2,2-Tetrachloroethane	10.1	0.50	µg/L	10.0		101		70-130	1.67		25		
Tetrachloroethylene	11.3	0.50	µg/L	10.0		113		70-130	8.10		25		
Toluene	9.68	0.50	µg/L	10.0		96.8		70-130	5.85		25		
1,2,3-Trichlorobenzene	8.58	1.0	µg/L	10.0		85.8		70-130	5.44		25		
1,2,4-Trichlorobenzene	9.17	0.50	µg/L	10.0		91.7		70-130	4.16		25		
1,1,1-Trichloroethane	9.84	0.50	µg/L	10.0		98.4		70-130	7.49		25		
1,1,2-Trichloroethane	10.5	0.50	µg/L	10.0		105		70-130	5.20		25		
Trichloroethylene	10.3	0.50	µg/L	10.0		103		70-130	7.04		25		
Trichlorofluoromethane (Freon 11)	14.3	0.50	µg/L	10.0		**143**	*	70-130	8.81		25	L-02	
1,2,3-Trichloropropane	10.4	0.50	µg/L	10.0		104		70-130	0.289		25		
1,2,4-Trimethylbenzene	9.15	0.50	µg/L	10.0		91.5		70-130	1.88		25		
1,3,5-Trimethylbenzene	10.5	0.50	µg/L	10.0		105		70-130	4.16		25		
Vinyl Chloride	10.6	0.50	µg/L	10.0		106		60-140	11.4		25		†
m+p Xylene	20.7	1.0	µg/L	20.0		103		70-130	4.65		25		
o-Xylene	10.4	0.50	µg/L	10.0		104		70-130	4.95		25		
Surrogate: 1,2-Dichloroethane-d4	*22.9*		µg/L	25.0		91.6		70-130					
Surrogate: Toluene-d8	*24.0*		µg/L	25.0		96.0		70-130					
Surrogate: 4-Bromofluorobenzene	*26.2*		µg/L	25.0		105		70-130					

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B292241 - MA VPH										
Blank (B292241-BLK1)				Prepared & Analyzed: 10/12/21						
Unadjusted C5-C8 Aliphatics	ND	100	µg/L							
C5-C8 Aliphatics	ND	100	µg/L							
Unadjusted C9-C12 Aliphatics	ND	100	µg/L							
C9-C12 Aliphatics	ND	100	µg/L							
C9-C10 Aromatics	ND	100	µg/L							
Benzene	ND	1.0	µg/L							
Butylcyclohexane	ND	1.0	µg/L							
Decane	ND	1.0	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
2-Methylpentane	ND	1.0	µg/L							
Naphthalene	ND	5.0	µg/L							
Nonane	ND	1.0	µg/L							
Pentane	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
2,2,4-Trimethylpentane	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 2,5-Dibromotoluene (FID)	*30.5*		µg/L	40.0		76.4	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*30.6*		µg/L	40.0		76.4	70-130			
LCS (B292241-BS1)				Prepared & Analyzed: 10/12/21						
Benzene	47.1	1.0	µg/L	50.0		94.1	70-130			
Butylcyclohexane	59.8	1.0	µg/L	50.0		120	70-130			
Decane	44.0	1.0	µg/L	50.0		88.0	70-130			
Ethylbenzene	46.9	1.0	µg/L	50.0		93.8	70-130			
Methyl tert-Butyl Ether (MTBE)	47.9	1.0	µg/L	50.0		95.8	70-130			
2-Methylpentane	46.0	1.0	µg/L	50.0		92.1	70-130			
Naphthalene	47.8	5.0	µg/L	50.0		95.6	70-130			
Nonane	59.7	1.0	µg/L	50.0		119	70-130			
Pentane	48.9	1.0	µg/L	50.0		97.8	70-130			
Toluene	46.8	1.0	µg/L	50.0		93.6	70-130			
1,2,4-Trimethylbenzene	45.0	1.0	µg/L	50.0		90.1	70-130			
2,2,4-Trimethylpentane	40.5	1.0	µg/L	50.0		80.9	70-130			
m+p Xylene	93.3	2.0	µg/L	100		93.3	70-130			
o-Xylene	47.3	1.0	µg/L	50.0		94.5	70-130			
Surrogate: 2,5-Dibromotoluene (FID)	*33.2*		µg/L	40.0		83.1	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*37.6*		µg/L	40.0		93.9	70-130			
LCS Dup (B292241-BSD1)				Prepared & Analyzed: 10/12/21						
Benzene	44.0	1.0	µg/L	50.0		88.0	70-130	6.81	25	
Butylcyclohexane	57.7	1.0	µg/L	50.0		115	70-130	3.60	25	
Decane	42.3	1.0	µg/L	50.0		84.5	70-130	4.06	25	
Ethylbenzene	43.7	1.0	µg/L	50.0		87.5	70-130	6.95	25	
Methyl tert-Butyl Ether (MTBE)	46.5	1.0	µg/L	50.0		93.0	70-130	3.00	25	
2-Methylpentane	41.5	1.0	µg/L	50.0		83.0	70-130	10.4	25	
Naphthalene	48.1	5.0	µg/L	50.0		96.2	70-130	0.678	25	
Nonane	58.0	1.0	µg/L	50.0		116	70-130	2.92	25	
Pentane	44.0	1.0	µg/L	50.0		88.0	70-130	10.5	25	
Toluene	43.7	1.0	µg/L	50.0		87.4	70-130	6.80	25	
1,2,4-Trimethylbenzene	42.5	1.0	µg/L	50.0		85.0	70-130	5.75	25	

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B292241 - MA VPH										
LCS Dup (B292241-BSD1)				Prepared & Analyzed: 10/12/21						
2,2,4-Trimethylpentane	36.6	1.0	µg/L	50.0		73.1	70-130	10.1	25	
m+p Xylene	87.0	2.0	µg/L	100		87.0	70-130	6.92	25	
o-Xylene	44.3	1.0	µg/L	50.0		88.6	70-130	6.51	25	
Surrogate: 2,5-Dibromotoluene (FID)	*33.8*		µg/L	40.0		84.5	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*36.1*		µg/L	40.0		90.3	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
MADEP-VPH-Feb 2018 Rev 2.1 in Water	
Unadjusted C5-C8 Aliphatics	CT,NC,ME,NH-P
C5-C8 Aliphatics	CT,NC,ME,NH-P
Unadjusted C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C12 Aliphatics	CT,NC,ME,NH-P
C9-C10 Aromatics	CT,NC,ME,NH-P
Benzene	CT,NC,ME,NH-P
Ethylbenzene	CT,NC,ME,NH-P
Methyl tert-Butyl Ether (MTBE)	CT,NC,ME,NH-P
Naphthalene	CT,NC,ME,NH-P
Toluene	CT,NC,ME,NH-P
m+p Xylene	CT,NC,ME,NH-P
o-Xylene	CT,NC,ME,NH-P
SM21-23 6200B in Water	
Benzene	NC
Bromobenzene	NC
Bromochloromethane	NC
Bromodichloromethane	NC
Bromoform	NC
Bromomethane	NC
n-Butylbenzene	NC
sec-Butylbenzene	NC
tert-Butylbenzene	NC
Carbon Tetrachloride	NC
Chlorobenzene	NC
Chlorodibromomethane	NC
Chloroethane	NC
Chloroform	NC
Chloromethane	NC
2-Chlorotoluene	NC
4-Chlorotoluene	NC
1,2-Dibromoethane (EDB)	NC
1,2-Dichlorobenzene	NC
1,3-Dichlorobenzene	NC
1,4-Dichlorobenzene	NC
Dichlorodifluoromethane (Freon 12)	NC
1,1-Dichloroethane	NC
1,2-Dichloroethane	NC
1,1-Dichloroethylene	NC
cis-1,2-Dichloroethylene	NC
trans-1,2-Dichloroethylene	NC
1,2-Dichloropropane	NC
1,3-Dichloropropane	NC
2,2-Dichloropropane	NC
1,1-Dichloropropene	NC
cis-1,3-Dichloropropene	NC
trans-1,3-Dichloropropene	NC

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SM21-23 6200B in Water	
Diisopropyl Ether (DIPE)	NC
Ethylbenzene	NC
Isopropylbenzene (Cumene)	NC
Methyl tert-Butyl Ether (MTBE)	NC
Methylene Chloride	NC
Naphthalene	NC
n-Propylbenzene	NC
Styrene	NC
1,1,2,2-Tetrachloroethane	NC
Tetrachloroethylene	NC
Toluene	NC
1,2,3-Trichlorobenzene	NC
1,2,4-Trichlorobenzene	NC
1,1,1-Trichloroethane	NC
1,1,2-Trichloroethane	NC
Trichloroethylene	NC
Trichlorofluoromethane (Freon 11)	NC
1,2,3-Trichloropropane	NC
1,2,4-Trimethylbenzene	NC
1,3,5-Trimethylbenzene	NC
Vinyl Chloride	NC
m+p Xylene	NC
o-Xylene	NC

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

Internal Transfer Chain of Custody

2130601

Pace Analytical
www.pacelabs.com

☐ Samples Pre-Logged into eCOC.

State Of Origin: NC
Cert. Needed: [X] Yes ☐ No

Workorder: 92566046 Workorder Name: CPC HUNTERSVILLE-60639876 Owner Received Date: 10/11/2021 Results Requested By: 10/14/2021

Report To

Bonnie Vang
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
Phone (704)875-9092

Subcontract To

Pace New England
39 Spruce St.
East Longmeadow, MA 01028
Phone (413)525-2332

Requested Analysis

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HCL	6200B	NC VPH	LAB USE ONLY
1	MW-07D	PS	10/11/2021 10:20	92566046001	Water	7	X	X	
2	MW-97D	PS	10/11/2021 11:55	92566046002	Water	7	X	X	
3	TRIP BLANK	PS	10/11/2021 00:00	92566046003	Water	2	X		
4									
5									

Transfers	Released By	Date/Time	Received By	Date/Time
1	JKC PaceHVL	10-11-21 1800	[signature]	10/11 9:77
2				
3				

Comments

Cooler Temperature on Receipt 2.0 °C | Custody Seal Y or N | Received on Ice Y or N | Samples Intact Y or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.*
This chain of custody is considered complete as is since this information is available in the owner laboratory.

FedEx

TRACK ANOTHER SHIPMENT

987548463423

ADD NICKNAME

Delivered
Tuesday, October 12, 2021 at 9:47 am

DELIVERED

Signed for by: R.PIETRIAS

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM	TO
Huntersville, NC US	EAST LONGMEADOW, MA US

Travel History

TIME ZONE
Local Scan Time

Tuesday, October 12, 2021

9:47 AM	EAST LONGMEADOW, MA	Delivered
8:31 AM	WINDSOR LOCKS, CT	On FedEx vehicle for delivery
8:20 AM	WINDSOR LOCKS, CT	At local FedEx facility
6:56 AM	EAST GRANBY, CT	At destination sort facility
5:08 AM	INDIANAPOLIS, IN	Departed FedEx hub
12:24 AM	INDIANAPOLIS, IN	Arrived at FedEx hub

Monday, October 11, 2021

8:55 PM	CONCORD, NC	Left FedEx origin facility
5:30 PM	CONCORD, NC	Picked up
4:24 PM		Shipment information sent to FedEx

Shipment Facts

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Pace

Received By nap Date 10/12 Time 947

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 5 Actual Temp - 2.0
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name F
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F Who was notified? _____
Are there Rushes? T Who was notified? Karolina
Are there Short Holds? F Who was notified? _____
Is there enough Volume? T
Is there Headspace where applicable? F MS/MSD? F
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? T On COC? T
Do all samples have the proper pH? NA Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-	16	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report



Technical Report for

AECOM, INC.

CPC Huntersville, NC

60639876

SGS Job Number: FA89164

Sampling Date: 09/21/21

Report to:

AECOM, INC.
6000 Fairview Rd Suite 200
Charlotte, NC 28210
NCChemists@urs.com; andrew.wreschnig@aecom.com

ATTN: Andy Wreschnig

Total number of pages in report: **102**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Muna Mohammed 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001) DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177), AL, AK, AR, CT, IA, KY, MA, MI. MS, ND, NH, NV, OK, OR, UT, VT, WA, WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

September 24, 2021

Ms. Teresa Amentt Jennings
AECOM
5438 Wade Park Blvd
Suite 200
Raleigh, NC 27607

RE: SGS North America Inc. - Orlando job FA89164 Reissue

Dear Ms. Jennings,

The final report for job number FA89164 has been edited to reflect requested corrections. These edits have been incorporated into the revised report.

VOC compound list has been revised.

SGS North America Inc. - Orlando apologies for any inconvenience this may have caused. Please feel free to contact us if we can be of further assistance.

Sincerely,

SGS North America, Inc. - Orlando

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SGS North America Inc.

Sample Summary

AECOM, INC.

Job No: FA89164

CPC Huntersville, NC
Project No: 60639876

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA89164-1	09/21/21	11:10	MK	09/22/21	AQ	Ground Water	MW-94
FA89164-2	09/21/21	00:00	MK	09/22/21	AQ	Trip Blank Water	TRIP BLANK

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: AECOM, INC. **Job No:** FA89164

Site: CPC Huntersville, NC **Report Date** 9/23/2021 4:38:02 PM

On 09/22/2021, 1 Sample(s), 1 Trip Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 0.4 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of FA89164 was Assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SM 6200B

Matrix: AQ **Batch ID:** VA2951

Sample(s) FA88994-2MS, FA88994-2MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for Naphthalene are outside control limits. Probable cause is due to matrix interference.

RPD(s) for MSD for Naphthalene are outside control limits for sample FA88994-2MSD. Probable cause is due to sample non-homogeneity.

FA89164-1: Internal standard response(s) outside method criteria; associated analyte(s) ND.

Matrix: AQ **Batch ID:** VA2952

FA89164-1: Confirmation run for internal standard areas. No ECC available for this run.

FA89164-2: Confirmation run for internal standard areas. No ECC available for this run.

GC Volatiles By Method MADEP VPH REV 2.1

Matrix: AQ **Batch ID:** G1S318

Sample(s) FA88885-2MS, FA88885-2MSD, JD31646-3DUP were used as the QC samples indicated.

G1S318-MB for Naphthalene: Suspected laboratory contaminant.

Metals Analysis By Method SW846 6010D

Matrix: AQ **Batch ID:** MP39582

Sample(s) FA89164-1DUP, FA89164-1MS, FA89164-1MSD, FA89164-1PS, FA89164-1SDL were used as the QC samples for metals.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Ariel Hartney, Client Services (signature on file)

Summary of Hits

Job Number: FA89164
Account: AECOM, INC.
Project: CPC Huntersville, NC
Collected: 09/21/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA89164-1	**MW-94**					
Bromodichloromethane [a]		0.44 J	0.50	0.13	ug/l	SM 6200B
Chloroform [a]		2.2	0.50	0.13	ug/l	SM 6200B
FA89164-2	**TRIP BLANK**					

No hits reported in this sample.

(a) Internal standard response(s) outside method criteria; associated analyte(s) ND.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-94		
Lab Sample ID:	FA89164-1	**Date Sampled:**	09/21/21
Matrix:	AQ - Ground Water	**Date Received:**	09/22/21
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	CPC Huntersville, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	A0227756.D	1	09/22/21 16:18	JL	n/a	n/a	VA2951
Run #2 [b]	A0227779.D	1	09/23/21 11:35	JL	n/a	n/a	VA2952

	Purge Volume
Run #1	10.0 ml
Run #2	10.0 ml

VOA 6200B List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.13	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.13	ug/l	
74-97-5	Bromochloromethane	ND	0.50	0.13	ug/l	
75-27-4	Bromodichloromethane	0.44	0.50	0.13	ug/l	J
75-25-2	Bromoform	ND	0.50	0.13	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.13	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.13	ug/l	
56-23-5	Carbon Tetrachloride	ND	0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.13	ug/l	
75-00-3	Chloroethane	ND	0.50	0.20	ug/l	
67-66-3	Chloroform	2.2	0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.13	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.13	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.13	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	0.25	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.13	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.13	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.13	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.13	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.13	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	0.13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-94		
Lab Sample ID:	FA89164-1	**Date Sampled:**	09/21/21
Matrix:	AQ - Ground Water	**Date Received:**	09/22/21
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	CPC Huntersville, NC		

VOA 6200B List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-20-3	Di-Isopropyl Ether	ND	0.50	0.13	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.13	ug/l	
87-68-3	Hexachlorobutadiene	ND	0.50	0.13	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.13	ug/l	
74-83-9	Methyl Bromide	ND	0.50	0.20	ug/l	
74-87-3	Methyl Chloride	ND	0.50	0.20	ug/l	
74-95-3	Methylene Bromide	ND	0.50	0.13	ug/l	
75-09-2	Methylene Chloride	ND	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	0.13	ug/l	
91-20-3	Naphthalene	ND	0.50	0.13	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.13	ug/l	
100-42-5	Styrene	ND	0.50	0.13	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.13	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	0.13	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.13	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.13	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.13	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.13	ug/l	
75-01-4	Vinyl Chloride	ND	0.50	0.13	ug/l	
	m,p-Xylene	ND	1.0	0.13	ug/l	
95-47-6	o-Xylene	ND	0.50	0.13	ug/l	
1330-20-7	Xylene (total)	ND	1.5	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%	97%	70-130%
17060-07-0	1,2-Dichloroethane-D4	108%	114%	70-130%
2037-26-5	Toluene-D8	98%	97%	70-130%
460-00-4	4-Bromofluorobenzene	97%	94%	70-130%

(a) Internal standard response(s) outside method criteria; associated analyte(s) ND.
(b) Confirmation run for internal standard areas. No ECC available for this run.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-94		
Lab Sample ID:	FA89164-1	**Date Sampled:**	09/21/21
Matrix:	AQ - Ground Water	**Date Received:**	09/22/21
Method:	MADEP VPH REV 2.1	**Percent Solids:**	n/a
Project:	CPC Huntersville, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1S8041.D	1	09/22/21 18:10	CG	n/a	n/a	G1S318
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	1.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	3.0	ug/l	
108-88-3	Toluene	ND	2.0	1.0	ug/l	
	m,p-Xylene	ND	4.0	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	1.0	ug/l	
	C5- C8 Aliphatics (Unadj.)	ND	100	35	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	100	35	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	100	35	ug/l	
	C5- C8 Aliphatics	ND	100	35	ug/l	
	C9- C12 Aliphatics	ND	100	35	ug/l	
	C9- C10 Aromatics	ND	100	35	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	82%		70-130%
460-00-4	BFB	86%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-94		
Lab Sample ID:	FA89164-1	**Date Sampled:**	09/21/21
Matrix:	AQ - Ground Water	**Date Received:**	09/22/21
		Percent Solids:	n/a
Project:	CPC Huntersville, NC		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	1.1 U	5.0	1.1	ug/l	1	09/22/21	09/22/21	LM	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA18055
(2) Prep QC Batch: MP39582

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA89164-2	**Date Sampled:**	09/21/21
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/22/21
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	CPC Huntersville, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A0227755.D	1	09/22/21 15:56	JL	n/a	n/a	VA2951
Run #2 [a]	A0227778.D	1	09/23/21 11:13	JL	n/a	n/a	VA2952

	Purge Volume
Run #1	10.0 ml
Run #2	10.0 ml

VOA 6200B List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.13	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.13	ug/l	
74-97-5	Bromochloromethane	ND	0.50	0.13	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.13	ug/l	
75-25-2	Bromoform	ND	0.50	0.13	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.13	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.13	ug/l	
56-23-5	Carbon Tetrachloride	ND	0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.13	ug/l	
75-00-3	Chloroethane	ND	0.50	0.20	ug/l	
67-66-3	Chloroform	ND	0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.13	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.13	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.13	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	0.25	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.13	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.13	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.13	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.13	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.13	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	0.13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA89164-2	**Date Sampled:**	09/21/21
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/22/21
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	CPC Huntersville, NC		

VOA 6200B List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-20-3	Di-Isopropyl Ether	ND	0.50	0.13	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.13	ug/l	
87-68-3	Hexachlorobutadiene	ND	0.50	0.13	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.13	ug/l	
74-83-9	Methyl Bromide	ND	0.50	0.20	ug/l	
74-87-3	Methyl Chloride	ND	0.50	0.20	ug/l	
74-95-3	Methylene Bromide	ND	0.50	0.13	ug/l	
75-09-2	Methylene Chloride	ND	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	0.13	ug/l	
91-20-3	Naphthalene	ND	0.50	0.13	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.13	ug/l	
100-42-5	Styrene	ND	0.50	0.13	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.13	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	0.13	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.13	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.13	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.13	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.13	ug/l	
75-01-4	Vinyl Chloride	ND	0.50	0.13	ug/l	
	m,p-Xylene	ND	1.0	0.13	ug/l	
95-47-6	o-Xylene	ND	0.50	0.13	ug/l	
1330-20-7	Xylene (total)	ND	1.5	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%	97%	70-130%
17060-07-0	1,2-Dichloroethane-D4	105%	113%	70-130%
2037-26-5	Toluene-D8	100%	100%	70-130%
460-00-4	4-Bromofluorobenzene	99%	96%	70-130%

(a) Confirmation run for internal standard areas. No ECC available for this run.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Analyst Legend

SGS- Orlando

FA89164

Pace Analytical
WWW.PACELABS.COM

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Page : 1 Of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: AECOM	Report To: Andy Wreschnig	Attention:
Address: 6000 Fairview Road	Copy To:	Company Name:
Suite 200, Charlotte, NC 28210		Address:
Email: andrew.wreschnig@aecom.com	Purchase Order #:	Pace Quote: 60639876
Phone: (704)716-0757 Fax	Project Name: CPC Huntersville-60639876	Pace Project Manager: bonnie.vang@pacelabs.com,
Requested Due Date: 1-Day TAT	Project #:	Pace Profile #: 8458

Regulatory Agency

State / Location: NC

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Other OT, Tissue TS)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	6200B	VPH	6010-Pb	n-butanol by 8015	Trip BLANK	DI Water	Residual Chlorine (Y/N)	
1	MW-94		WT	G	9/21/21	1110	—	—		8			1	7						X	X	X					1-Day TAT
2	Trip Blank		WT	Lab Provided						2														X			
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											

INITIAL ASSESSMENT

LABEL VERIFICATION

0.4 IR4

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
1-Day TAT	[signature] / AECOM	9/21/21	13:10	[signature]	9/12	13:16	
	[signature] FX	9/21	16:00	FX			
				Pettit	9/22/21	1030	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Mike de Kozlowski

SIGNATURE of SAMPLER: [signature]

DATE Signed: 9/21/21

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

5.1

5

FA89164: Chain of Custody
Page 1 of 2

SGS Sample Receipt Summary

Job Number: FA89164 **Client:** AECOM **Project:** CPC HUNTERSVILLE

Date / Time Received: 9/22/2021 10:30:00 AM **Delivery Method:** FX **Airbill #'s:** 1009 6379 2035

Therm ID: IR 1; **Therm CF:** 0.2; **# of Coolers:** 1

Cooler Temps (Raw Measured) °C: Cooler 1: (0.2);

Cooler Temps (Corrected) °C: Cooler 1: (0.4);

Cooler Information	Y	or	N
1. Custody Seals Present	☑		☐
2. Custody Seals Intact	☑		☐
3. Temp criteria achieved	☑		☐
4. Cooler temp verification	IR Gun		
5. Cooler media	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler	☑		☐	☐
2. Trip Blank listed on COC	☑		☐	☐

	W	or	S	N/A
3. Type Of TB Received	☑		☐	☐

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles	☑		☐	
2. Samples preserved properly	☑		☐	
3. Sufficient volume/containers recvd for analysis:	☑		☐	
4. Condition of sample	Intact			
5. Sample recvd within HT	☑		☐	
6. Dates/Times/IDs on COC match Sample Label	☑		☐	
7. VOCs have headspace	☐		☑	☐
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments

SM001
Rev. Date 05/24/17

Technician: PETERH Date: 9/22/2021 10:30:00 A Reviewer: _____ Date: _____

5.1
5

FA89164: Chain of Custody
Page 2 of 2

Analyst Legend

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Initials	Full Name	Analysis Type
JL	Jo-Ann Lugo De Jesus	MS Volatiles
CG	Charlene Gonzalez	GC Volatiles
LM	Luis Mir	Metals Analysis

MS Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA2951-MB	A0227750.D	1	09/22/21	JL	n/a	n/a	VA2951

The QC reported here applies to the following samples: **Method:** SM 6200B

FA89164-1, FA89164-2

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.13	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.13	ug/l	
74-97-5	Bromochloromethane	ND	0.50	0.13	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.13	ug/l	
75-25-2	Bromoform	ND	0.50	0.13	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.13	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.13	ug/l	
56-23-5	Carbon Tetrachloride	ND	0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.13	ug/l	
75-00-3	Chloroethane	ND	0.50	0.20	ug/l	
67-66-3	Chloroform	ND	0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.13	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.13	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.13	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	0.25	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.13	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.13	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.13	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.13	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.13	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	0.13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
108-20-3	Di-Isopropyl Ether	ND	0.50	0.13	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.13	ug/l	
87-68-3	Hexachlorobutadiene	ND	0.50	0.13	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.13	ug/l	

Method Blank Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA2951-MB	A0227750.D	1	09/22/21	JL	n/a	n/a	VA2951

The QC reported here applies to the following samples: **Method:** SM 6200B

FA89164-1, FA89164-2

CAS No.	Compound	Result	RL	MDL	Units	Q
99-87-6	p-Isopropyltoluene	ND	0.50	0.13	ug/l	
74-83-9	Methyl Bromide	ND	0.50	0.20	ug/l	
74-87-3	Methyl Chloride	ND	0.50	0.20	ug/l	
74-95-3	Methylene Bromide	ND	0.50	0.13	ug/l	
75-09-2	Methylene Chloride	ND	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	0.13	ug/l	
91-20-3	Naphthalene	ND	0.50	0.13	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.13	ug/l	
100-42-5	Styrene	ND	0.50	0.13	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.13	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	0.13	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.13	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.13	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.13	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.13	ug/l	
75-01-4	Vinyl Chloride	ND	0.50	0.13	ug/l	
	m,p-Xylene	ND	1.0	0.13	ug/l	
95-47-6	o-Xylene	ND	0.50	0.13	ug/l	
1330-20-7	Xylene (total)	ND	1.5	0.25	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	87%	70-130%
17060-07-0	1,2-Dichloroethane-D4	98%	70-130%
2037-26-5	Toluene-D8	102%	70-130%
460-00-4	4-Bromofluorobenzene	102%	70-130%

Blank Spike Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA2951-BS	A0227748.D	1	09/22/21	JL	n/a	n/a	VA2951

The QC reported here applies to the following samples: **Method:** SM 6200B

FA89164-1, FA89164-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	10	10.0	100	70-130
108-86-1	Bromobenzene	10	9.9	99	70-130
74-97-5	Bromochloromethane	10	8.4	84	70-130
75-27-4	Bromodichloromethane	10	9.6	96	70-130
75-25-2	Bromoform	10	9.9	99	70-130
104-51-8	n-Butylbenzene	10	9.2	92	70-130
135-98-8	sec-Butylbenzene	10	10.4	104	70-130
98-06-6	tert-Butylbenzene	10	10.1	101	70-130
56-23-5	Carbon Tetrachloride	10	10	100	70-130
108-90-7	Chlorobenzene	10	10	100	70-130
75-00-3	Chloroethane	10	7.8	78	60-140
67-66-3	Chloroform	10	9.1	91	70-130
95-49-8	o-Chlorotoluene	10	9.9	99	70-130
106-43-4	p-Chlorotoluene	10	10	100	70-130
124-48-1	Dibromochloromethane	10	9.5	95	70-130
96-12-8	1,2-Dibromo-3-chloropropane	10	9.2	92	70-130
106-93-4	1,2-Dibromoethane	10	9.7	97	70-130
75-71-8	Dichlorodifluoromethane	10	6.4	64	60-140
95-50-1	1,2-Dichlorobenzene	10	10.1	101	70-130
541-73-1	1,3-Dichlorobenzene	10	10.5	105	70-130
106-46-7	1,4-Dichlorobenzene	10	9.7	97	70-130
75-34-3	1,1-Dichloroethane	10	10.1	101	70-130
107-06-2	1,2-Dichloroethane	10	9.2	92	70-130
75-35-4	1,1-Dichloroethylene	10	9.6	96	70-130
156-59-2	cis-1,2-Dichloroethylene	10	10.3	103	70-130
156-60-5	trans-1,2-Dichloroethylene	10	9.9	99	70-130
78-87-5	1,2-Dichloropropane	10	10.2	102	70-130
142-28-9	1,3-Dichloropropane	10	9.5	95	70-130
594-20-7	2,2-Dichloropropane	10	10.5	105	70-130
563-58-6	1,1-Dichloropropene	10	9.7	97	70-130
10061-01-5	cis-1,3-Dichloropropene	10	9.6	96	70-130
10061-02-6	trans-1,3-Dichloropropene	10	10.2	102	70-130
108-20-3	Di-Isopropyl Ether	10	9.0	90	70-130
100-41-4	Ethylbenzene	10	10.5	105	70-130
87-68-3	Hexachlorobutadiene	10	9.5	95	70-130
98-82-8	Isopropylbenzene	10	10.4	104	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA2951-BS	A0227748.D	1	09/22/21	JL	n/a	n/a	VA2951

The QC reported here applies to the following samples: **Method:** SM 6200B

FA89164-1, FA89164-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
99-87-6	p-Isopropyltoluene	10	10.2	102	70-130
74-83-9	Methyl Bromide	10	8.3	83	60-140
74-87-3	Methyl Chloride	10	7.5	75	60-140
74-95-3	Methylene Bromide	10	9.0	90	70-130
75-09-2	Methylene Chloride	10	7.6	76	70-130
1634-04-4	Methyl Tert Butyl Ether	10	9.4	94	70-130
91-20-3	Naphthalene	10	9.0	90	70-130
103-65-1	n-Propylbenzene	10	10.1	101	70-130
100-42-5	Styrene	10	9.7	97	70-130
630-20-6	1,1,1,2-Tetrachloroethane	10	9.6	96	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	8.9	89	70-130
127-18-4	Tetrachloroethylene	10	10.4	104	70-130
108-88-3	Toluene	10	10.0	100	70-130
87-61-6	1,2,3-Trichlorobenzene	10	8.8	88	70-130
120-82-1	1,2,4-Trichlorobenzene	10	9.0	90	70-130
71-55-6	1,1,1-Trichloroethane	10	9.9	99	70-130
79-00-5	1,1,2-Trichloroethane	10	9.3	93	70-130
79-01-6	Trichloroethylene	10	10.3	103	70-130
75-69-4	Trichlorofluoromethane	10	9.1	91	60-140
96-18-4	1,2,3-Trichloropropane	10	9.2	92	70-130
95-63-6	1,2,4-Trimethylbenzene	10	9.7	97	70-130
108-67-8	1,3,5-Trimethylbenzene	10	9.7	97	70-130
75-01-4	Vinyl Chloride	10	8.1	81	60-140
	m,p-Xylene	20	19.9	100	70-130
95-47-6	o-Xylene	10	10.2	102	70-130
1330-20-7	Xylene (total)	30	30.1	100	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	82%	70-130%
17060-07-0	1,2-Dichloroethane-D4	92%	70-130%
2037-26-5	Toluene-D8	101%	70-130%
460-00-4	4-Bromofluorobenzene	106%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA88994-2MS	A0227768.D	5	09/22/21	JL	n/a	n/a	VA2951
FA88994-2MSD	A0227769.D	5	09/22/21	JL	n/a	n/a	VA2951
FA88994-2 [a]	A0227767.D	1	09/22/21	JL	n/a	n/a	VA2951

The QC reported here applies to the following samples: **Method:** SM 6200B

FA89164-1, FA89164-2

CAS No.	Compound	FA88994-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		50	53.0	106	50	55.4	111	4	70-130/20
108-86-1	Bromobenzene	ND		50	49.5	99	50	51.8	104	5	70-130/20
74-97-5	Bromochloromethane	ND		50	46.2	92	50	48.0	96	4	70-130/20
75-27-4	Bromodichloromethane	ND		50	53.2	106	50	53.9	108	1	70-130/20
75-25-2	Bromoform	ND		50	41.5	83	50	43.9	88	6	70-130/20
104-51-8	n-Butylbenzene	ND		50	40.8	82	50	45.6	91	11	70-130/20
135-98-8	sec-Butylbenzene	ND		50	47.8	96	50	52.7	105	10	70-130/20
98-06-6	tert-Butylbenzene	ND		50	45.9	92	50	51.4	103	11	70-130/20
56-23-5	Carbon Tetrachloride	ND		50	57.7	115	50	59.9	120	4	70-130/20
108-90-7	Chlorobenzene	ND		50	51.2	102	50	54.3	109	6	70-130/20
75-00-3	Chloroethane	ND		50	45.6	91	50	49.2	98	8	60-140/20
67-66-3	Chloroform	ND		50	52.9	106	50	54.8	110	4	70-130/20
95-49-8	o-Chlorotoluene	ND		50	48.3	97	50	51.7	103	7	70-130/20
106-43-4	p-Chlorotoluene	ND		50	45.7	91	50	49.7	99	8	70-130/20
124-48-1	Dibromochloromethane	ND		50	42.1	84	50	45.1	90	7	70-130/20
96-12-8	1,2-Dibromo-3-chloropropane	ND		50	42.8	86	50	47.7	95	11	70-130/20
106-93-4	1,2-Dibromoethane	ND		50	43.9	88	50	47.3	95	7	70-130/20
75-71-8	Dichlorodifluoromethane	ND		50	37.9	76	50	40.2	80	6	60-140/20
95-50-1	1,2-Dichlorobenzene	ND		50	48.7	97	50	53.2	106	9	70-130/20
541-73-1	1,3-Dichlorobenzene	ND		50	51.3	103	50	54.9	110	7	70-130/20
106-46-7	1,4-Dichlorobenzene	ND		50	50.1	100	50	52.7	105	5	70-130/20
75-34-3	1,1-Dichloroethane	ND		50	53.8	108	50	58.1	116	8	70-130/20
107-06-2	1,2-Dichloroethane	ND		50	54.0	108	50	55.3	111	2	70-130/20
75-35-4	1,1-Dichloroethylene	ND		50	50.7	101	50	56.2	112	10	70-130/20
156-59-2	cis-1,2-Dichloroethylene	ND		50	48.7	97	50	53.4	107	9	70-130/20
156-60-5	trans-1,2-Dichloroethylene	ND		50	50.8	102	50	55.2	110	8	70-130/20
78-87-5	1,2-Dichloropropane	ND		50	51.0	102	50	54.1	108	6	70-130/20
142-28-9	1,3-Dichloropropane	ND		50	42.0	84	50	46.1	92	9	70-130/20
594-20-7	2,2-Dichloropropane	ND		50	50.0	100	50	52.3	105	4	70-130/20
563-58-6	1,1-Dichloropropene	ND		50	48.1	96	50	52.1	104	8	70-130/20
10061-01-5	cis-1,3-Dichloropropene	ND		50	35.0	70	50	38.6	77	10	70-130/20
10061-02-6	trans-1,3-Dichloropropene	ND		50	44.8	90	50	48.6	97	8	70-130/20
108-20-3	Di-Isopropyl Ether	ND		50	38.4	77	50	43.6	87	13	70-130/20
100-41-4	Ethylbenzene	ND		50	50.9	102	50	54.7	109	7	70-130/20
87-68-3	Hexachlorobutadiene	ND		50	42.6	85	50	49.3	99	15	70-130/20
98-82-8	Isopropylbenzene	ND		50	45.3	91	50	50.7	101	11	70-130/20

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA88994-2MS	A0227768.D	5	09/22/21	JL	n/a	n/a	VA2951
FA88994-2MSD	A0227769.D	5	09/22/21	JL	n/a	n/a	VA2951
FA88994-2 [a]	A0227767.D	1	09/22/21	JL	n/a	n/a	VA2951

The QC reported here applies to the following samples: **Method:** SM 6200B

FA89164-1, FA89164-2

CAS No.	Compound	FA88994-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
99-87-6	p-Isopropyltoluene	ND		50	45.3	91	50	50.7	101	11	70-130/20
74-83-9	Methyl Bromide	ND		50	52.5	105	50	54.0	108	3	60-140/20
74-87-3	Methyl Chloride	ND		50	38.9	78	50	43.5	87	11	60-140/20
74-95-3	Methylene Bromide	ND		50	50.1	100	50	50.9	102	2	70-130/20
75-09-2	Methylene Chloride	ND		50	41.1	82	50	45.1	90	9	70-130/20
1634-04-4	Methyl Tert Butyl Ether	ND		50	44.5	89	50	48.5	97	9	70-130/20
91-20-3	Naphthalene	ND		50	32.9	66*	50	40.8	82	21*	70-130/20
103-65-1	n-Propylbenzene	ND		50	46.5	93	50	50.2	100	8	70-130/20
100-42-5	Styrene	ND		50	42.9	86	50	47.2	94	10	70-130/20
630-20-6	1,1,1,2-Tetrachloroethane	ND		50	49.4	99	50	52.4	105	6	70-130/20
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	44.9	90	50	46.9	94	4	70-130/20
127-18-4	Tetrachloroethylene	ND		50	52.2	104	50	55.1	110	5	70-130/20
108-88-3	Toluene	ND		50	46.9	94	50	51.3	103	9	70-130/20
87-61-6	1,2,3-Trichlorobenzene	ND		50	38.8	78	50	45.7	91	16	70-130/20
120-82-1	1,2,4-Trichlorobenzene	ND		50	35.9	72	50	43.5	87	19	70-130/20
71-55-6	1,1,1-Trichloroethane	ND		50	56.6	113	50	59.2	118	4	70-130/20
79-00-5	1,1,2-Trichloroethane	ND		50	46.1	92	50	49.3	99	7	70-130/20
79-01-6	Trichloroethylene	ND		50	57.0	114	50	58.4	117	2	70-130/20
75-69-4	Trichlorofluoromethane	ND		50	56.4	113	50	59.0	118	5	60-140/20
96-18-4	1,2,3-Trichloropropane	ND		50	47.9	96	50	48.5	97	1	70-130/20
95-63-6	1,2,4-Trimethylbenzene	ND		50	45.6	91	50	50.1	100	9	70-130/20
108-67-8	1,3,5-Trimethylbenzene	ND		50	45.1	90	50	49.3	99	9	70-130/20
75-01-4	Vinyl Chloride	ND		50	43.1	86	50	49.0	98	13	60-140/20
	m,p-Xylene	ND		100	94.9	95	100	103	103	8	70-130/20
95-47-6	o-Xylene	ND		50	41.9	84	50	47.7	95	13	70-130/20
1330-20-7	Xylene (total)	ND		150	137	91	150	151	101	10	70-130/20

CAS No.	Surrogate Recoveries	MS	MSD	FA88994-2	Limits
1868-53-7	Dibromofluoromethane	94%	91%	102%	70-130%
17060-07-0	1,2-Dichloroethane-D4	111%	107%	121%	70-130%
2037-26-5	Toluene-D8	89%	93%	101%	70-130%
460-00-4	4-Bromofluorobenzene	89%	92%	94%	70-130%

(a) Confirmation run for internal standard areas.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample: VA2939-BFB
Lab File ID: A0227479.D
Instrument ID: GCMSA
Injection Date: 08/26/21
Injection Time: 15:17

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	15119	16.4		Pass
75	30.0 - 60.0% of mass 95	42877	46.4		Pass
95	Base peak, 100% relative abundance	92347	100.0		Pass
96	5.0 - 9.0% of mass 95	6111	6.62		Pass
173	Less than 2.0% of mass 174	713	0.77	(0.82) [a]	Pass
174	50.0 - 100.0% of mass 95	86850	94.0		Pass
175	5.0 - 9.0% of mass 174	6006	6.50	(6.92) [a]	Pass
176	95.0 - 101.0% of mass 174	83408	90.3	(96.0) [a]	Pass
177	5.0 - 9.0% of mass 176	5581	6.04	(6.69) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VA2939-IC2939	A0227481.D	08/26/21	16:00	00:43	Initial cal 1
VA2939-IC2939	A0227482.D	08/26/21	16:23	01:06	Initial cal 2
VA2939-IC2939	A0227483.D	08/26/21	16:45	01:28	Initial cal 3
VA2939-ICC2939	A0227484.D	08/26/21	17:07	01:50	Initial cal 4
VA2939-IC2939	A0227485.D	08/26/21	17:29	02:12	Initial cal 5
VA2939-IC2939	A0227486.D	08/26/21	17:51	02:34	Initial cal 6
VA2939-ICV2939	A0227488.D	08/26/21	18:35	03:18	Initial cal verification 4

Instrument Performance Check (BFB)

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample: VA2951-BFB
Lab File ID: A0227747.D
Instrument ID: GCMSA
Injection Date: 09/22/21
Injection Time: 12:04

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	19307	15.5		Pass
75	30.0 - 60.0% of mass 95	56429	45.3		Pass
95	Base peak, 100% relative abundance	124682	100.0		Pass
96	5.0 - 9.0% of mass 95	8315	6.67		Pass
173	Less than 2.0% of mass 174	572	0.46	(0.49) [a]	Pass
174	50.0 - 100.0% of mass 95	115784	92.9		Pass
175	5.0 - 9.0% of mass 174	8668	6.95	(7.49) [a]	Pass
176	95.0 - 101.0% of mass 174	112600	90.3	(97.3) [a]	Pass
177	5.0 - 9.0% of mass 176	7502	6.02	(6.66) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VA2951-BS	A0227748.D	09/22/21	12:41	00:37	Blank Spike
VA2951-MB	A0227750.D	09/22/21	13:25	01:21	Method Blank
ZZZZZZ	A0227751.D	09/22/21	14:28	02:24	(unrelated sample)
ZZZZZZ	A0227752.D	09/22/21	14:50	02:46	(unrelated sample)
ZZZZZZ	A0227753.D	09/22/21	15:12	03:08	(unrelated sample)
FA89164-2	A0227755.D	09/22/21	15:56	03:52	TRIP BLANK
FA89164-1	A0227756.D	09/22/21	16:18	04:14	MW-94
ZZZZZZ	A0227758.D	09/22/21	17:02	04:58	(unrelated sample)
ZZZZZZ	A0227759.D	09/22/21	17:24	05:20	(unrelated sample)
ZZZZZZ	A0227760.D	09/22/21	17:46	05:42	(unrelated sample)
ZZZZZZ	A0227761.D	09/22/21	18:08	06:04	(unrelated sample)
ZZZZZZ	A0227764.D	09/22/21	19:14	07:10	(unrelated sample)
ZZZZZZ	A0227765.D	09/22/21	19:36	07:32	(unrelated sample)
ZZZZZZ	A0227766.D	09/22/21	19:58	07:54	(unrelated sample)
FA88994-2	A0227767.D	09/22/21	20:20	08:16	(used for QC only; not part of job FA89164)
FA88994-2MS	A0227768.D	09/22/21	20:42	08:38	Matrix Spike
FA88994-2MSD	A0227769.D	09/22/21	21:04	09:00	Matrix Spike Duplicate
ZZZZZZ	A0227770.D	09/22/21	21:26	09:22	(unrelated sample)
VA2951-ECC2939	A0227771.D	09/22/21	21:48	09:44	Ending cal 4

Instrument Performance Check (BFB)

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample: VA2952-BFB
Lab File ID: A0227772.D
Instrument ID: GCMSA
Injection Date: 09/23/21
Injection Time: 08:35

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	18659	16.0		Pass
75	30.0 - 60.0% of mass 95	53817	46.2		Pass
95	Base peak, 100% relative abundance	116553	100.0		Pass
96	5.0 - 9.0% of mass 95	7709	6.61		Pass
173	Less than 2.0% of mass 174	887	0.76	(0.79) [a]	Pass
174	50.0 - 100.0% of mass 95	111739	95.9		Pass
175	5.0 - 9.0% of mass 174	7896	6.77	(7.07) [a]	Pass
176	95.0 - 101.0% of mass 174	107605	92.3	(96.3) [a]	Pass
177	5.0 - 9.0% of mass 176	7038	6.04	(6.54) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VA2952-CC2939	A0227774.D	09/23/21	09:19	00:44	Continuing cal 4
VA2952-BS	A0227775.D	09/23/21	10:07	01:32	Blank Spike
VA2952-MB	A0227777.D	09/23/21	10:51	02:16	Method Blank
FA89164-2	A0227778.D	09/23/21	11:13	02:38	TRIP BLANK
FA89164-1	A0227779.D	09/23/21	11:35	03:00	MW-94

Internal Standard Area Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Check Std:	VA2951-CC2939	**Injection Date:**	09/22/21
Lab File ID:	A0227747.D	**Injection Time:**	12:04
Instrument ID:	GCMSA	**Method:**	SM 6200B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	613575	7.25	441897	10.31	233424	12.66
Check Std [b]	603927	7.25	443611	10.31	230395	12.66
Upper Limit [c]	797648	7.75	574466	10.81	303451	13.16
Lower Limit [d]	429503	6.75	309328	9.81	163397	12.16

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
VA2951-BS	597883	7.25	439599	10.31	231978	12.66
VA2951-MB	543986	7.25	370927	10.31	193708	12.66
ZZZZZZ	544649	7.25	377405	10.31	192464	12.66
ZZZZZZ	514040	7.25	354007	10.31	177843	12.66
ZZZZZZ	521646	7.25	364105	10.31	188815	12.66
FA89164-2	472342	7.25	326672	10.31	167306	12.67
FA89164-1 [e]	458436	7.25	317722	10.31	161812*	12.67
ZZZZZZ	415988*	7.25	280619*	10.31	135324*	12.67
ZZZZZZ	412421*	7.25	280022*	10.31	134881*	12.67
ZZZZZZ	418328*	7.25	284169*	10.31	139584*	12.67
ZZZZZZ	387145*	7.25	263886*	10.31	128075*	12.67
ZZZZZZ	398339*	7.25	268714*	10.31	131776*	12.67
ZZZZZZ	382115*	7.25	260972*	10.31	126910*	12.67
ZZZZZZ	377715*	7.25	257175*	10.31	127323*	12.67
FA88994-2	365320*	7.26	247794*	10.31	121912*	12.67
FA88994-2MS	442921	7.25	359780	10.31	194380	12.66
FA88994-2MSD	467012	7.25	360866	10.31	198077	12.66
ZZZZZZ	437056	7.25	301521*	10.31	156876*	12.66
VA2951-ECC2939	478204	7.25	369574	10.31	193367	12.66

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Initial Cal is: VA2939-ICC2939 A0227484.D 08/26/21 17:07. Area is AVERAGE of initial cal points.
(b) Check Std Limit = -30 to + 30% of initial cal area.
(c) Upper Limit = + 30% of initial standard area; Retention time + 0.5 minutes of check standard.
(d) Lower Limit = -30% of initial standard area; Retention time -0.5 minutes of check standard.
(e) Internal standard response(s) outside method criteria; associated analyte(s) ND.

Internal Standard Area Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Check Std:	VA2952-CC2939	**Injection Date:**	09/23/21
Lab File ID:	A0227774.D	**Injection Time:**	09:19
Instrument ID:	GCMSA	**Method:**	SM 6200B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	613575	7.25	441897	10.31	233424	12.66
Check Std [b]	516002	7.25	395976	10.31	214676	12.66
Upper Limit [c]	797648	7.75	574466	10.81	303451	13.16
Lower Limit [d]	429503	6.75	309328	9.81	163397	12.16

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
VA2952-BS	521751	7.25	397352	10.31	216747	12.66
VA2952-MB [e]	437339	7.25	298708*	10.31	157125*	12.66
FA89164-2 [f]	429661	7.25	296578*	10.31	153981*	12.66
FA89164-1 [f]	409140*	7.25	279697*	10.31	146398*	12.66

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4

(a) Initial Cal is: VA2939-ICC2939 A0227484.D 08/26/21 17:07. Area is AVERAGE of initial cal points.
(b) Check Std Limit = -30 to + 30% of initial cal area.
(c) Upper Limit = + 30% of initial standard area; Retention time + 0.5 minutes of check standard.
(d) Lower Limit = -30% of initial standard area; Retention time -0.5 minutes of check standard.
(e) Associated internal standard response outside control limits.
(f) Confirmation run for internal standard areas. No ECC available for this run.

Surrogate Recovery Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Method: SM 6200B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
FA89164-1	A0227779.D	97	114	97	94
FA89164-1	A0227756.D	93	108	98	97
FA89164-2	A0227778.D	97	113	100	96
FA89164-2	A0227755.D	92	105	100	99
FA88994-2MS	A0227768.D	94	111	89	89
FA88994-2MSD	A0227769.D	91	107	93	92
VA2951-BS	A0227748.D	82	92	101	106
VA2951-MB	A0227750.D	87	98	102	102

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-130%
S2 = 1,2-Dichloroethane-D4	70-130%
S3 = Toluene-D8	70-130%
S4 = 4-Bromofluorobenzene	70-130%

Initial Calibration Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample: VA2939-ICC2939
Lab FileID: A0227484.D

Response Factor Report MSVOA10

Method : C:\msdchem\1\METHODS\MSASTD082621.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Fri Aug 27 11:06:17 2021
Response via : Initial Calibration

Calibration Files
1 =A0227481.D 2 =A0227482.D 3 =A0227483.D 4 =A0227484.D
5 =A0227485.D 6 =A0227486.D

	Compound	1	2	3	4	5	6	Avg	%RSD
1) I	Fluorobenzene	----------ISTD----------							
2) C	Dichlorodifluoromet	0.378	0.443	0.443	0.458	0.396	0.386	0.417	8.28
3) C	Chloromethane	0.552	0.475	0.435	0.445	0.402	0.397	0.451	12.64
4) C	Vinyl Chloride	0.344	0.345	0.345	0.362	0.325	0.334	0.342	3.65
5) C	Bromomethane	0.232	0.236	0.253	0.201	0.172	0.160	0.209	17.85
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9961								
	Response Ratio = 0.00000 + 0.24434 *A + -0.04446 *A^2								
6) C	Chloroethane	0.218	0.202	0.190	0.188	0.153	0.111	0.177	22.03#
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9976								
	Response Ratio = 0.00000 + 0.22520 *A + -0.05558 *A^2								
7) C	Trichlorofluorometh	0.507	0.606	0.608	0.614	0.518	0.507	0.560	9.71
8)	Ethanol	0.001	0.002	0.001	0.002	0.002	0.002	0.002	28.16
9)	1,1-Dichloroethene	0.508	0.631	0.603	0.626	0.581	0.594	0.590	7.57
10)	Freon 113	0.294	0.490	0.471	0.478	0.429	0.426	0.431	16.79
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9989								
	Response Ratio = 0.00000 + 0.48368 *A + -0.03040 *A^2								
11)	Carbon Disulfide	1.165	1.419	1.374	1.438	1.340	1.377	1.352	7.26
12)	Iodomethane	0.675	0.808	0.794	0.833	0.792	0.816	0.786	7.20
13)	Methylene Chloride	4.128	1.366	0.697	0.642	0.561	0.544	1.323	106.42
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9954								
	Response Ratio = 0.00000 + 0.69972 *A + -0.08153 *A^2								
14)	Acetone	0.066	0.081	0.067	0.088	0.084	0.088	0.079	12.78
15)	trans-1,2-Dichloroe	0.474	0.552	0.568	0.583	0.550	0.553	0.547	6.90
16)	Hexane	0.409	0.630	0.711	0.766	0.683	0.674	0.645	19.25
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9987								
	Response Ratio = 0.00000 + 0.76433 *A + -0.04691 *A^2								
17)	Methyl Tert Butyl E	0.747	0.892	0.971	1.033	1.032	1.031	0.951	12.01
18)	Tert Butyl Alcohol	0.020	0.029	0.027	0.038	0.037	0.043	0.032	26.37
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9960								
	Response Ratio = 0.00000 + 0.02814 *A + 0.00073 *A^2								
19)	Di-isopropyl ether	0.654	0.767	0.918	1.017	1.014	1.028	0.900	17.32
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9997								
	Response Ratio = 0.00000 + 0.96932 *A + 0.03026 *A^2								
20)	1,1-Dichloroethane	0.615	0.703	0.682	0.700	0.666	0.669	0.673	4.79
21)	Vinyl Acetate	0.364	0.605	0.642	0.668	0.644	0.633	0.593	19.24
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9999								
	Response Ratio = 0.00000 + 0.67209 *A + -0.00385 *A^2								
22)	ETBE	0.665	0.874	1.020	1.103	1.087	1.076	0.971	17.65

Initial Calibration Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

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            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
              Response Ratio = 0.00000 + 1.08790 *A + -0.00478 *A^2

23)     cis-1,2-Dichloroeth 0.355 0.423 0.428 0.453 0.438 0.445 0.424   8.34
24)     2,2-Dichloropropane 0.283 0.348 0.326 0.314 0.286 0.275 0.305   9.38
25)     Bromochloromethane  0.263 0.263 0.259 0.261 0.246 0.244 0.256   3.38
26)     Chloroform          0.926 0.888 0.835 0.831 0.774 0.769 0.837   7.37
27) S   Dibromofluoromethan 0.321 0.318 0.312 0.305 0.300 0.295 0.309   3.27
28)     Carbon Tetrachlorid 0.493 0.641 0.611 0.619 0.574 0.579 0.586   8.90
29)     1,1,1-Trichloroetha 0.549 0.692 0.661 0.667 0.633 0.639 0.640   7.75
30)     2-Butanone          0.079 0.112 0.112 0.134 0.134 0.138 0.118  18.77
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9992
              Response Ratio = 0.00000 + 0.12314 *A + 0.00151 *A^2

31)     1,1-Dichloropropene 0.312 0.488 0.543 0.564 0.532 0.538 0.496  18.87
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9995
              Response Ratio = 0.00000 + 0.55334 *A + -0.00870 *A^2

32)     Benzene             1.472 1.594 1.584 1.606 1.515 1.529 1.550   3.41
33) S   1,2-Dichloroethane- 0.317 0.317 0.306 0.303 0.293 0.287 0.304   4.07
34)     1,2-Dichloroethane  0.543 0.538 0.534 0.546 0.524 0.520 0.534   1.98
35)     TAME                0.580 0.750 0.894 0.980 0.981 0.988 0.862  19.21
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
              Response Ratio = 0.00000 + 0.94312 *A + 0.02360 *A^2

36)     tert Amyl alcohol   0.011 0.017 0.018 0.025 0.026 0.029 0.021  31.34
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9983
              Response Ratio = 0.00000 + 0.01990 *A + 0.00044 *A^2

37)     TAEE                0.183 0.237 0.323 0.311 0.328 0.327 0.285  21.37
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9996
              Response Ratio = 0.00000 + 0.31258 *A + 0.00386 *A^2

38)     Trichloroethene     0.387 0.473 0.465 0.468 0.438 0.441 0.445   7.17
39)     Dibromomethane      0.262 0.267 0.263 0.273 0.263 0.265 0.266   1.52
40)     1,2-Dichloropropane 0.305 0.347 0.362 0.379 0.368 0.377 0.356   7.83
41)     Bromodichloromethan 0.508 0.559 0.560 0.588 0.569 0.582 0.561   5.09
42)     2-Chloroethyl vinyl 0.029 0.054 0.088 0.103 0.108 0.114 0.082  41.22
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9980
              Response Ratio = 0.00000 + 0.08207 *A + 0.00339 *A^2

43)     cis-1,3-Dichloropro 0.369 0.473 0.596 0.656 0.649 0.667 0.568  21.38
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
              Response Ratio = 0.00000 + 0.61777 *A + 0.02449 *A^2


44) I   Chlorobenzene-d5      ----------------ISTD--------------------
45) S   Toluene-d8           1.241 1.230 1.226 1.237 1.266 1.288 1.248   1.92
46)     Toluene             2.042 2.244 2.187 2.246 2.189 2.225 2.189   3.49
47)     4-Methyl-2-pentanon 0.272 0.332 0.358 0.385 0.384 0.381 0.352  12.58
48)     trans-1,3-Dichlorop 0.477 0.579 0.653 0.719 0.717 0.735 0.647  15.71
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
              Response Ratio = 0.00000 + 0.67954 *A + 0.02797 *A^2

49)     Tetrachloroethene   0.569 0.728 0.690 0.690 0.647 0.652 0.663   8.24
50)     1,1,2-Trichloroetha 0.413 0.389 0.379 0.390 0.385 0.391 0.391   2.96
51)     Dibromochloromethan 0.515 0.532 0.559 0.606 0.614 0.628 0.576   8.11
52)     1,3-Dichloropropane 0.659 0.649 0.682 0.743 0.752 0.771 0.709   7.36
53)     1,2-Dibromoethane   0.406 0.424 0.434 0.472 0.480 0.495 0.452   7.88
54)     2-Hexanone          0.106 0.171 0.219 0.247 0.253 0.251 0.208  28.36
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Initial Calibration Summary

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          ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9994
            Response Ratio = 0.00000 + 0.23870 *A + 0.00142 *A^2

55)     Ethylbenzene         1.805 2.328 2.416 2.465 2.357 2.376 2.291  10.60
56)     Chlorobenzene        1.441 1.574 1.501 1.510 1.447 1.454 1.488   3.45
57)     1,1,1,2-Tetrachloro 0.565 0.627 0.609 0.619 0.602 0.607 0.605   3.55
58)     m,p-Xylene           1.031 1.597 1.836 1.897 1.826 1.843 1.672  19.77
          ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
            Response Ratio = 0.00000 + 1.86124 *A + -0.00560 *A^2

59)     o-Xylene             0.929 1.274 1.680 1.917 1.921 1.962 1.614  26.25
          ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9995
            Response Ratio = 0.00000 + 1.79436 *A + 0.08608 *A^2

60)     Styrene              0.624 0.988 1.397 1.521 1.498 1.521 1.258  29.52
          ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9996
            Response Ratio = 0.00000 + 1.45298 *A + 0.03458 *A^2

61)     Bromoform            0.338 0.333 0.361 0.397 0.397 0.401 0.371   8.39
62)     Isopropylbenzene     1.013 1.604 2.170 2.385 2.338 2.394 1.984  28.29
          ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9996
            Response Ratio = 0.00000 + 2.25423 *A + 0.06925 *A^2


63) I   1,4-Dichlorobenzene-d ----------------ISTD--------------------
64) S   4-Bromofluorobenzen 0.776 0.749 0.777 0.806 0.847 0.880 0.806   6.09
65)     n-Propylbenzene      3.204 4.189 4.935 5.337 5.225 5.318 4.701  18.09
          ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
            Response Ratio = 0.00000 + 5.11285 *A + 0.10115 *A^2

66)     Bromobenzene         1.230 1.310 1.343 1.372 1.336 1.340 1.322   3.72
67)     1,1,2,2-Tetrachloro 1.358 1.182 1.139 1.157 1.141 1.131 1.185   7.34
68)     1,3,5-Trimethylbenz 1.871 2.880 3.721 4.057 3.955 4.043 3.421  25.68
          ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9996
            Response Ratio = 0.00000 + 3.85541 *A + 0.09199 *A^2

69)     2-Chlorotoluene      2.122 3.151 3.520 3.662 3.552 3.566 3.262  17.96
          ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
            Response Ratio = 0.00000 + 3.60548 *A + -0.02177 *A^2

70)     1,2,3-Trichloroprop 0.350 0.327 0.322 0.329 0.328 0.326 0.330   3.04
71)     trans-1,4-Dichloro-        0.158 0.185 0.220 0.230 0.238 0.206  16.26
          ---- Linear regr., Force(0,0) ----  Coefficient =  0.9989
            Response Ratio = 0.00000 + 0.23271 *A

72)     4-Chlorotoluene      1.771 2.426 3.042 3.280 3.250 3.337 2.851  21.98
          ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
            Response Ratio = 0.00000 + 3.10723 *A + 0.11433 *A^2

73)     tert-Butylbenzene    0.872 1.439 1.987 2.213 2.226 2.305 1.840  30.97
          ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9996
            Response Ratio = 0.00000 + 2.05069 *A + 0.12787 *A^2

74)     1,2,4-Trimethylbenz 1.654 2.830 3.734 4.064 3.984 4.106 3.396  28.76
          ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9996
            Response Ratio = 0.00000 + 3.82511 *A + 0.13826 *A^2

75)     sec-Butylbenzene     1.928 3.532 4.514 4.911 4.782 4.909 4.096  28.86
          ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9996
            Response Ratio = 0.00000 + 4.64827 *A + 0.12718 *A^2
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Initial Calibration Summary

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76)     4-Isopropyltoluene  1.558 2.805 3.858 4.311 4.265 4.409 3.534  32.12
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9995
              Response Ratio = 0.00000 + 4.00611 *A + 0.20109 *A^2

77)     1,3-Dichlorobenzene 1.796 2.172 2.271 2.417 2.362 2.403 2.237  10.48
78)     1,4-Dichlorobenzene 2.568 2.649 2.489 2.499 2.382 2.395 2.497   4.07
79)     n-Butylbenzene      0.955 1.568 2.080 2.312 2.272 2.327 1.919  28.77
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9995
              Response Ratio = 0.00000 + 2.17814 *A + 0.07427 *A^2

80)     1,2-Dichlorobenzene 1.849 2.176 2.244 2.389 2.345 2.397 2.233   9.28
81)     1,2-Dibromo-3-Chlor 0.185 0.169 0.181 0.206 0.213 0.224 0.197  10.86
82)     Hexachlorobutadiene 0.837 0.946 0.941 1.052 1.049 1.113 0.990  10.12
83)     1,2,4-Trichlorobenz 1.021 1.327 1.630 2.045 2.086 2.200 1.718  27.56
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9991
              Response Ratio = 0.00000 + 1.79161 *A + 0.20686 *A^2

84)     Naphthalene         1.641 1.924 3.039 4.060 4.235 4.447 3.224  37.85
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9985
              Response Ratio = 0.00000 + 3.49557 *A + 0.48829 *A^2

85)     1,2,3-Trichlorobenz 1.235 1.424 1.667 1.988 1.981 2.060 1.726  19.74
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9993
              Response Ratio = 0.00000 + 1.80573 *A + 0.12801 *A^2


86) I   Fluorobenzene-A       ----------------ISTD--------------------
87)     tert-Butyl Formate  0.117 0.185 0.203 0.209 0.215 0.222 0.192  20.22
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
              Response Ratio = 0.00000 + 0.19480 *A + 0.00282 *A^2

88)     3,3-Dimethyl-1-Buta 0.009 0.012 0.014 0.021 0.022 0.027 0.018  38.55
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9981
              Response Ratio = 0.00000 + 0.01405 *A + 0.00064 *A^2

------------------------------------------------------------------------------
(#) = Out of Range

          MSASTD082621.M        Fri Aug 27 11:22:54 2021
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Initial Calibration Verification

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample: VA2939-ICV2939
Lab FileID: A0227488.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\082621\A0227488.D Vial: 10
Acq On : 26 Aug 2021 6:35 pm Operator: joannel
Sample : ICV2939-4 Inst : MSVOA10
Misc : MS49632,VA2939,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\MSASTD082621.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Fri Aug 27 11:06:17 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 70% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 130%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	106	0.00	7.25
2 C	Dichlorodifluoromethane	0.417	0.292	30.0	68#	0.00	2.53
3 C	Chloromethane	0.451	0.351	22.2	84	0.00	2.79
4 C	Vinyl Chloride	0.342	0.282	17.5	83	0.00	2.89
		Amount	Calc.	%Drift			
5 C	Bromomethane	20.000	15.940	20.3	91	0.00	3.28
6 C	Chloroethane	20.000	15.798	21.0	85	0.00	3.40
		AvgRF	CCRF	%Dev			
7 C	Trichlorofluoromethane	0.560	0.504	10.0	87	0.00	3.56
8	Ethanol	0.002	0.001	50.0#	60#	0.00	4.00
9	1,1-Dichloroethene	0.590	0.576	2.4	98	0.00	4.10
		Amount	Calc.	%Drift			
10	Freon 113	20.000	18.157	9.2	93	0.00	4.13
		AvgRF	CCRF	%Dev			
11	Carbon Disulfide	1.352	1.226	9.3	91	0.00	4.17
12	Iodomethane	0.786	0.699	11.1	89	0.00	4.28
		Amount	Calc.	%Drift			
13	Methylene Chloride	20.000	16.141	19.3	86	0.00	4.70
		AvgRF	CCRF	%Dev			
14	Acetone	0.079	0.077	2.5	93	0.00	4.72
15	trans-1,2-Dichloroethene	0.547	0.546	0.2	100	0.00	4.84
		Amount	Calc.	%Drift			
16	Hexane	20.000	18.008	10.0	91	0.00	4.90
		AvgRF	CCRF	%Dev			
17	Methyl Tert Butyl Ether	0.951	0.950	0.1	98	0.00	4.92
		Amount	Calc.	%Drift			
18	Tert Butyl Alcohol	200.000	166.709	16.6	76	0.00	5.00
19	Di-isopropyl ether	20.000	19.397	3.0	101	0.00	5.29
		AvgRF	CCRF	%Dev			
20	1,1-Dichloroethane	0.673	0.693	-3.0	105	0.00	5.47
		Amount	Calc.	%Drift			

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21		Vinyl Acetate	100.000	94.002	6.0	98	0.00	5.67
22		ETBE	20.000	16.662	16.7	87	0.00	5.66
			AvgRF	CCRF	%Dev			
23		cis-1,2-Dichloroethene	0.424	0.437	-3.1	103	0.00	6.02
24		2,2-Dichloropropane	0.305	0.312	-2.3	106	0.00	6.12
25		Bromochloromethane	0.256	0.221	13.7	90	0.00	6.22
26		Chloroform	0.837	0.776	7.3	99	0.00	6.27
27	S	Dibromofluoromethane	0.309	0.297	3.9	104	0.00	6.45
28		Carbon Tetrachloride	0.586	0.575	1.9	99	0.00	6.43
29		1,1,1-Trichloroethane	0.640	0.636	0.6	101	0.00	6.50
			Amount	Calc.	%Drift			
30		2-Butanone	100.000	93.171	6.8	95	0.00	6.56
31		1,1-Dichloropropene	20.000	19.131	4.3	98	0.00	6.61
			AvgRF	CCRF	%Dev			
32		Benzene	1.550	1.526	1.5	101	0.00	6.86
33	S	1,2-Dichloroethane-d4	0.304	0.289	4.9	101	0.00	6.99
34		1,2-Dichloroethane	0.534	0.505	5.4	98	0.00	7.06
			Amount	Calc.	%Drift			
35		TAME	20.000	17.392	13.0	91	0.00	6.93
36		tert Amyl alcohol	200.000	168.811	15.6	81	0.00	7.09
37		TAEE	40.000	40.264	-0.7	110	0.00	7.59
			AvgRF	CCRF	%Dev			
38		Trichloroethene	0.445	0.446	-0.2	101	0.00	7.42
39		Dibromomethane	0.266	0.245	7.9	95	0.00	7.84
40		1,2-Dichloropropane	0.356	0.364	-2.2	102	0.00	7.94
41		Bromodichloromethane	0.561	0.550	2.0	99	0.00	7.98
			Amount	Calc.	%Drift			
42		2-Chloroethyl vinyl ether	100.000	103.601	-3.6	103	0.00	8.50
43		cis-1,3-Dichloropropene	20.000	18.634	6.8	96	0.00	8.59
			AvgRF	CCRF	%Dev			
44	I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00	10.31
45	S	Toluene-d8	1.248	1.269	-1.7	105	0.00	8.77
46		Toluene	2.189	2.183	0.3	99	0.00	8.83
47		4-Methyl-2-pentanone	0.352	0.374	-6.3	99	0.00	9.16
			Amount	Calc.	%Drift			
48		trans-1,3-Dichloropropene	20.000	19.960	0.2	99	0.00	9.22
			AvgRF	CCRF	%Dev			
49		Tetrachloroethene	0.663	0.673	-1.5	100	0.00	9.22
50		1,1,2-Trichloroethane	0.391	0.369	5.6	97	0.00	9.38
51		Dibromochloromethane	0.576	0.550	4.5	93	0.00	9.58
52		1,3-Dichloropropane	0.709	0.693	2.3	95	0.00	9.66
53		1,2-Dibromoethane	0.452	0.448	0.9	97	0.00	9.83
			Amount	Calc.	%Drift			
54		2-Hexanone	100.000	96.251	3.7	97	0.00	9.98
			AvgRF	CCRF	%Dev			
55		Ethylbenzene	2.291	2.391	-4.4	99	0.00	10.33
56		Chlorobenzene	1.488	1.477	0.7	100	0.00	10.33
57		1,1,1,2-Tetrachloroethane	0.605	0.589	2.6	97	0.00	10.38

Initial Calibration Verification

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample: VA2939-ICV2939
Lab FileID: A0227488.D

			Amount	Calc.	%Drift			
58		m,p-Xylene	40.000	39.876	0.3	99	0.00	10.47
59		o-Xylene	20.000	20.525	-2.6	102	0.00	10.90
60		Styrene	20.000	19.585	2.1	97	0.00	10.95
			AvgRF	CCRF	%Dev			
61		Bromoform	0.371	0.352	5.1	91	0.00	11.01
			Amount	Calc.	%Drift			
62		Isopropylbenzene	20.000	20.734	-3.7	103	0.00	11.20
			AvgRF	CCRF	%Dev			
63	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00	12.66
64	S	4-Bromofluorobenzene	0.806	0.839	-4.1	104	0.00	11.51
			Amount	Calc.	%Drift			
65		n-Propylbenzene	20.000	20.577	-2.9	100	0.00	11.62
			AvgRF	CCRF	%Dev			
66		Bromobenzene	1.322	1.327	-0.4	97	0.00	11.64
67		1,1,2,2-Tetrachloroethane	1.185	1.092	7.8	94	0.00	11.70
			Amount	Calc.	%Drift			
68		1,3,5-Trimethylbenzene	20.000	19.874	0.6	96	0.00	11.81
69		2-Chlorotoluene	20.000	20.217	-1.1	99	0.00	11.81
			AvgRF	CCRF	%Dev			
70		1,2,3-Trichloropropane	0.330	0.309	6.4	94	0.00	11.86
			Amount	Calc.	%Drift			
71		trans-1,4-Dichloro-2-Bute	20.000	13.841	30.8#	73	0.00	11.88
72		4-Chlorotoluene	20.000	20.323	-1.6	99	0.00	11.98
73		tert-Butylbenzene	20.000	20.745	-3.7	101	0.00	12.14
74		1,2,4-Trimethylbenzene	20.000	19.911	0.4	96	0.00	12.22
75		sec-Butylbenzene	20.000	21.060	-5.3	102	0.00	12.33
76		4-Isopropyltoluene	20.000	20.709	-3.5	100	0.00	12.47
			AvgRF	CCRF	%Dev			
77		1,3-Dichlorobenzene	2.237	2.411	-7.8	100	0.00	12.59
78		1,4-Dichlorobenzene	2.497	2.427	2.8	97	0.00	12.68
			Amount	Calc.	%Drift			
79		n-Butylbenzene	20.000	19.213	3.9	93	0.00	12.90
			AvgRF	CCRF	%Dev			
80		1,2-Dichlorobenzene	2.233	2.347	-5.1	98	0.00	13.12
81		1,2-Dibromo-3-Chloropropa	0.197	0.190	3.6	92	0.00	13.88
82		Hexachlorobutadiene	0.990	1.023	-3.3	97	0.00	14.43
			Amount	Calc.	%Drift			
83		1,2,4-Trichlorobenzene	20.000	19.364	3.2	92	0.00	14.48
84		Naphthalene	20.000	19.397	3.0	93	0.00	14.76
85		1,2,3-Trichlorobenzene	20.000	19.251	3.7	92	0.00	14.92
			AvgRF	CCRF	%Dev			
86	I	Fluorobenzene-A	1.000	1.000	0.0	106	0.00	7.25

Initial Calibration Verification

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample: VA2939-ICV2939
Lab FileID: A0227488.D

		Amount	Calc.	%Drift			
87	tert-Butyl Formate	100.000	87.740	12.3	91	0.00	6.70
88	3,3-Dimethyl-1-Butanol	200.000	179.073	10.5	84	0.00	9.93

(#) = Out of Range SPCC's out = 0 CCC's out = 0
A0227484.D MSASTD082621.M Fri Aug 27 11:22:25 2021

Continuing Calibration Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample: VA2951-CC2939
Lab FileID: A0227747.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\092221\A0227747.D Vial: 3
Acq On : 22 Sep 2021 12:04 pm Operator: joannel
Sample : CC2939-4 Inst : MSVOA10
Misc : MS49811,VA2951,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\MSASTD082621.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Fri Aug 27 11:06:17 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 70% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 130%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	99	0.00	7.25
2 C	Dichlorodifluoromethane	0.417	0.299	28.3	65#	0.00	2.53
3 C	Chloromethane	0.451	0.312	30.8	70#	0.00	2.79
4 C	Vinyl Chloride	0.342	0.272	20.5	75	0.00	2.89
		Amount	Calc.	%Drift			
5 C	Bromomethane	20.000	16.831	15.8	89	0.00	3.28
6 C	Chloroethane	20.000	16.280	18.6	81	0.00	3.40
		AvgRF	CCRF	%Dev			
7 C	Trichlorofluoromethane	0.560	0.468	16.4	76	0.00	3.56
8	Ethanol	0.002	0.001	50.0#	71	0.00	4.00
9	1,1-Dichloroethene	0.590	0.517	12.4	82	0.00	4.10
		Amount	Calc.	%Drift			
10	Freon 113	20.000	16.619	16.9	80	0.00	4.13
		AvgRF	CCRF	%Dev			
11	Carbon Disulfide	1.352	1.206	10.8	83	0.00	4.17
12	Iodomethane	0.786	0.765	2.7	91	0.00	4.28
		Amount	Calc.	%Drift			
13	Methylene Chloride	20.000	16.176	19.1	81	-0.03	4.67
		AvgRF	CCRF	%Dev			
14	Acetone	0.079	0.081	-2.5	91	0.00	4.72
15	trans-1,2-Dichloroethene	0.547	0.520	4.9	89	0.00	4.84
		Amount	Calc.	%Drift			
16	Hexane	20.000	17.961	10.2	85	0.00	4.90
		AvgRF	CCRF	%Dev			
17	Methyl Tert Butyl Ether	0.951	0.980	-3.0	94	0.00	4.92
		Amount	Calc.	%Drift			
18	Tert Butyl Alcohol	200.000	179.328	10.3	77	0.00	5.00
19	Di-isopropyl ether	20.000	19.163	4.2	93	0.00	5.28
		AvgRF	CCRF	%Dev			
20	1,1-Dichloroethane	0.673	0.630	6.4	89	0.00	5.47
		Amount	Calc.	%Drift			

Continuing Calibration Summary

Job Number: FA89164 **Sample:** VA2951-CC2939
Account: URSNCM AECOM, INC. **Lab FileID:** A0227747.D
Project: CPC Huntersville, NC

21		Vinyl Acetate	100.000	84.432	15.6	83	0.00	5.67
22		ETBE	20.000	19.195	4.0	94	0.00	5.66
			AvgRF	CCRF	%Dev			
23		cis-1,2-Dichloroethene	0.424	0.427	-0.7	93	0.00	6.01
24		2,2-Dichloropropane	0.305	0.318	-4.3	100	0.00	6.12
25		Bromochloromethane	0.256	0.244	4.7	93	0.00	6.22
26		Chloroform	0.837	0.742	11.4	89	0.00	6.27
27	S	Dibromofluoromethane	0.309	0.253	18.1	82	0.00	6.45
28		Carbon Tetrachloride	0.586	0.536	8.5	86	0.00	6.43
29		1,1,1-Trichloroethane	0.640	0.598	6.6	89	0.00	6.50
			Amount	Calc.	%Drift			
30		2-Butanone	100.000	92.092	7.9	87	0.00	6.56
31		1,1-Dichloropropene	20.000	18.784	6.1	90	0.00	6.61
			AvgRF	CCRF	%Dev			
32		Benzene	1.550	1.481	4.5	91	0.00	6.86
33	S	1,2-Dichloroethane-d4	0.304	0.278	8.6	91	0.00	6.99
34		1,2-Dichloroethane	0.534	0.488	8.6	89	0.00	7.05
			Amount	Calc.	%Drift			
35		TAME	20.000	19.890	0.5	97	0.00	6.92
36		tert Amyl alcohol	200.000	206.248	-3.1	95	0.00	7.09
37		TAEE	40.000	45.132	-12.8	115	0.00	7.59
			AvgRF	CCRF	%Dev			
38		Trichloroethene	0.445	0.433	2.7	92	0.00	7.42
39		Dibromomethane	0.266	0.250	6.0	91	0.00	7.84
40		1,2-Dichloropropane	0.356	0.354	0.6	93	0.00	7.93
41		Bromodichloromethane	0.561	0.534	4.8	90	0.00	7.98
			Amount	Calc.	%Drift			
42		2-Chloroethyl vinyl ether	100.000	115.497	-15.5	109	0.00	8.50
43		cis-1,3-Dichloropropene	20.000	19.709	1.5	95	0.00	8.59
			AvgRF	CCRF	%Dev			
44	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00	10.31
45	S	Toluene-d8	1.248	1.266	-1.4	100	0.00	8.77
46		Toluene	2.189	2.141	2.2	93	0.00	8.83
47		4-Methyl-2-pentanone	0.352	0.338	4.0	86	0.00	9.16
			Amount	Calc.	%Drift			
48		trans-1,3-Dichloropropene	20.000	19.510	2.4	93	0.00	9.22
			AvgRF	CCRF	%Dev			
49		Tetrachloroethene	0.663	0.643	3.0	91	0.00	9.22
50		1,1,2-Trichloroethane	0.391	0.367	6.1	92	0.00	9.38
51		Dibromochloromethane	0.576	0.573	0.5	93	0.00	9.57
52		1,3-Dichloropropane	0.709	0.711	-0.3	94	0.00	9.65
53		1,2-Dibromoethane	0.452	0.457	-1.1	95	0.00	9.83
			Amount	Calc.	%Drift			
54		2-Hexanone	100.000	91.891	8.1	89	0.00	9.97
			AvgRF	CCRF	%Dev			
55		Ethylbenzene	2.291	2.292	-0.0	91	0.00	10.33
56		Chlorobenzene	1.488	1.422	4.4	92	0.00	10.33
57		1,1,1,2-Tetrachloroethane	0.605	0.575	5.0	91	0.00	10.38

Continuing Calibration Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample: VA2951-CC2939
Lab FileID: A0227747.D

			Amount	Calc.	%Drift			
58		m,p-Xylene	40.000	38.784	3.0	93	0.00	10.47
59		o-Xylene	20.000	19.653	1.7	93	0.00	10.90
60		Styrene	20.000	19.561	2.2	93	0.00	10.95
			AvgRF	CCRF	%Dev			
61		Bromoform	0.371	0.377	-1.6	93	0.00	11.01
			Amount	Calc.	%Drift			
62		Isopropylbenzene	20.000	19.497	2.5	92	0.00	11.20
			AvgRF	CCRF	%Dev			
63	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00	12.66
64	S	4-Bromofluorobenzene	0.806	0.863	-7.1	103	0.00	11.51
			Amount	Calc.	%Drift			
65		n-Propylbenzene	20.000	19.118	4.4	89	0.00	11.62
			AvgRF	CCRF	%Dev			
66		Bromobenzene	1.322	1.307	1.1	91	0.00	11.64
67		1,1,2,2-Tetrachloroethane	1.185	1.072	9.5	89	0.00	11.70
			Amount	Calc.	%Drift			
68		1,3,5-Trimethylbenzene	20.000	19.208	4.0	89	0.00	11.81
69		2-Chlorotoluene	20.000	18.979	5.1	89	0.00	11.81
			AvgRF	CCRF	%Dev			
70		1,2,3-Trichloropropane	0.330	0.305	7.6	89	0.00	11.85
			Amount	Calc.	%Drift			
71		trans-1,4-Dichloro-2-Bute	20.000	16.632	16.8	84	0.00	11.87
72		4-Chlorotoluene	20.000	19.571	2.1	92	0.00	11.97
73		tert-Butylbenzene	20.000	19.036	4.8	89	0.00	12.14
74		1,2,4-Trimethylbenzene	20.000	19.246	3.8	89	0.00	12.22
75		sec-Butylbenzene	20.000	18.647	6.8	86	0.00	12.33
76		4-Isopropyltoluene	20.000	19.020	4.9	88	0.00	12.46
			AvgRF	CCRF	%Dev			
77		1,3-Dichlorobenzene	2.237	2.268	-1.4	90	0.00	12.59
78		1,4-Dichlorobenzene	2.497	2.324	6.9	89	0.00	12.68
			Amount	Calc.	%Drift			
79		n-Butylbenzene	20.000	18.571	7.1	86	0.00	12.90
			AvgRF	CCRF	%Dev			
80		1,2-Dichlorobenzene	2.233	2.228	0.2	89	0.00	13.11
81		1,2-Dibromo-3-Chloropropa	0.197	0.185	6.1	86	0.00	13.88
82		Hexachlorobutadiene	0.990	0.888	10.3	81	0.00	14.43
			Amount	Calc.	%Drift			
83		1,2,4-Trichlorobenzene	20.000	18.754	6.2	86	0.00	14.48
84		Naphthalene	20.000	19.174	4.1	88	0.00	14.76
85		1,2,3-Trichlorobenzene	20.000	18.483	7.6	85	0.00	14.92
			AvgRF	CCRF	%Dev			
86	I	Fluorobenzene-A	1.000	1.000	0.0	99	0.00	7.25

Continuing Calibration Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample: VA2951-CC2939
Lab FileID: A0227747.D

		Amount	Calc.	%Drift			
87	tert-Butyl Formate	100.000	19.586	80.4#	18	0.00	6.70
88	3,3-Dimethyl-1-Butanol	200.000	205.131	-2.6	93	0.00	9.93

(#) = Out of Range SPCC's out = 0 CCC's out = 0
A0227484.D MSASTD082621.M Thu Sep 23 08:50:51 2021

6.7.3
6

Continuing Calibration Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample: VA2951-ECC2939
Lab FileID: A0227771.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\092221\A0227771.D Vial: 27
Acq On : 22 Sep 2021 9:48 pm Operator: joannel
Sample : ECC2939-4 Inst : MSVOA10
Misc : MS49819,VA2951,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\MSASTD082621.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Fri Aug 27 11:06:17 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 70% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 130%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	78	0.00	7.25
2 C	Dichlorodifluoromethane	0.417	0.338	18.9	58#	0.00	2.53
3 C	Chloromethane	0.451	0.344	23.7	61#	0.00	2.79
4 C	Vinyl Chloride	0.342	0.298	12.9	65#	0.00	2.89
		Amount	Calc.	%Drift			
5 C	Bromomethane	20.000	25.050	-25.3	98	0.01	3.28
6 C	Chloroethane	20.000	18.886	5.6	72	0.00	3.40
		AvgRF	CCRF	%Dev			
7 C	Trichlorofluoromethane	0.560	0.554	1.1	71	0.00	3.56
8	Ethanol	0.002	0.001	50.0#	22#	0.00	4.00
9	1,1-Dichloroethene	0.590	0.663	-12.4	83	0.00	4.10
		Amount	Calc.	%Drift			
10	Freon 113	20.000	21.233	-6.2	80	0.00	4.13
		AvgRF	CCRF	%Dev			
11	Carbon Disulfide	1.352	1.514	-12.0	83	0.00	4.17
12	Iodomethane	0.786	0.886	-12.7	83	0.00	4.28
		Amount	Calc.	%Drift			
13	Methylene Chloride	20.000	18.276	8.6	71	-0.03	4.67
		AvgRF	CCRF	%Dev			
14	Acetone	0.079	0.057	27.8	50#	0.00	4.72
15	trans-1,2-Dichloroethene	0.547	0.639	-16.8	86	0.00	4.84
		Amount	Calc.	%Drift			
16	Hexane	20.000	19.712	1.4	73	0.00	4.91
		AvgRF	CCRF	%Dev			
17	Methyl Tert Butyl Ether	0.951	1.120	-17.8	85	0.00	4.92
		Amount	Calc.	%Drift			
18	Tert Butyl Alcohol	200.000	105.494	47.3#	34	0.00	5.00
19	Di-isopropyl ether	20.000	21.870	-9.4	84	0.00	5.28
		AvgRF	CCRF	%Dev			
20	1,1-Dichloroethane	0.673	0.772	-14.7	86	0.00	5.47
		Amount	Calc.	%Drift			

Continuing Calibration Summary

Job Number: FA89164 **Sample:** VA2951-ECC2939
Account: URSNCM AECOM, INC. **Lab FileID:** A0227771.D
Project: CPC Huntersville, NC

21		Vinyl Acetate	100.000	72.655	27.3	56	0.00	5.67
22		ETBE	20.000	22.354	-11.8	86	0.00	5.66
			AvgRF	CCRF	%Dev			
23		cis-1,2-Dichloroethene	0.424	0.497	-17.2	86	0.00	6.02
24		2,2-Dichloropropane	0.305	0.312	-2.3	78	0.00	6.12
25		Bromochloromethane	0.256	0.295	-15.2	89	0.00	6.22
26		Chloroform	0.837	0.939	-12.2	89	0.00	6.27
27	S	Dibromofluoromethane	0.309	0.275	11.0	71	0.00	6.45
28		Carbon Tetrachloride	0.586	0.694	-18.4	88	0.00	6.43
29		1,1,1-Trichloroethane	0.640	0.765	-19.5	90	0.00	6.50
			Amount	Calc.	%Drift			
30		2-Butanone	100.000	84.810	15.2	64	0.00	6.56
31		1,1-Dichloropropene	20.000	22.863	-14.3	87	0.00	6.61
			AvgRF	CCRF	%Dev			
32		Benzene	1.550	1.781	-14.9	87	0.00	6.86
33	S	1,2-Dichloroethane-d4	0.304	0.308	-1.3	80	0.00	6.99
34		1,2-Dichloroethane	0.534	0.621	-16.3	89	0.00	7.06
			Amount	Calc.	%Drift			
35		TAME	20.000	22.066	-10.3	85	0.00	6.92
36		tert Amyl alcohol	200.000	148.075	26.0	52	0.00	7.09
37		TAEE	40.000	42.122	-5.3	85	0.00	7.59
			AvgRF	CCRF	%Dev			
38		Trichloroethene	0.445	0.548	-23.1	92	0.00	7.42
39		Dibromomethane	0.266	0.301	-13.2	87	0.00	7.84
40		1,2-Dichloropropane	0.356	0.418	-17.4	87	0.00	7.94
41		Bromodichloromethane	0.561	0.671	-19.6	90	0.00	7.98
			Amount	Calc.	%Drift			
42		2-Chloroethyl vinyl ether	100.000	90.181	9.8	65	0.00	8.50
43		cis-1,3-Dichloropropene	20.000	22.312	-11.6	85	0.00	8.59
			AvgRF	CCRF	%Dev			
44	I	Chlorobenzene-d5	1.000	1.000	0.0	82	0.00	10.31
45	S	Toluene-d8	1.248	1.202	3.7	79	0.00	8.77
46		Toluene	2.189	2.431	-11.1	88	0.00	8.83
47		4-Methyl-2-pentanone	0.352	0.371	-5.4	79	0.00	9.16
			Amount	Calc.	%Drift			
48		trans-1,3-Dichloropropene	20.000	21.461	-7.3	86	0.00	9.22
			AvgRF	CCRF	%Dev			
49		Tetrachloroethene	0.663	0.751	-13.3	89	0.00	9.22
50		1,1,2-Trichloroethane	0.391	0.423	-8.2	88	0.00	9.38
51		Dibromochloromethane	0.576	0.656	-13.9	88	0.00	9.58
52		1,3-Dichloropropane	0.709	0.790	-11.4	87	0.00	9.66
53		1,2-Dibromoethane	0.452	0.499	-10.4	86	0.00	9.83
			Amount	Calc.	%Drift			
54		2-Hexanone	100.000	94.889	5.1	77	0.00	9.98
			AvgRF	CCRF	%Dev			
55		Ethylbenzene	2.291	2.666	-16.4	88	0.00	10.33
56		Chlorobenzene	1.488	1.661	-11.6	90	0.00	10.33
57		1,1,1,2-Tetrachloroethane	0.605	0.676	-11.7	89	0.00	10.38

Continuing Calibration Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample: VA2951-ECC2939
Lab FileID: A0227771.D

			Amount	Calc.	%Drift			
58		m,p-Xylene	40.000	44.481	-11.2	89	0.00	10.47
59		o-Xylene	20.000	21.580	-7.9	86	0.00	10.90
60		Styrene	20.000	21.829	-9.1	87	0.00	10.95
			AvgRF	CCRF	%Dev			
61		Bromoform	0.371	0.426	-14.8	88	0.00	11.01
			Amount	Calc.	%Drift			
62		Isopropylbenzene	20.000	21.904	-9.5	87	0.00	11.20
			AvgRF	CCRF	%Dev			
63	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	81	0.00	12.66
64	S	4-Bromofluorobenzene	0.806	0.788	2.2	79	0.00	11.51
			Amount	Calc.	%Drift			
65		n-Propylbenzene	20.000	21.695	-8.5	85	0.00	11.62
			AvgRF	CCRF	%Dev			
66		Bromobenzene	1.322	1.502	-13.6	88	0.00	11.64
67		1,1,2,2-Tetrachloroethane	1.185	1.214	-2.4	85	0.00	11.70
			Amount	Calc.	%Drift			
68		1,3,5-Trimethylbenzene	20.000	22.191	-11.0	87	0.00	11.81
69		2-Chlorotoluene	20.000	22.327	-11.6	88	0.00	11.81
			AvgRF	CCRF	%Dev			
70		1,2,3-Trichloropropane	0.330	0.356	-7.9	87	0.00	11.85
			Amount	Calc.	%Drift			
71		trans-1,4-Dichloro-2-Bute	20.000	18.890	5.5	80	0.00	11.88
72		4-Chlorotoluene	20.000	22.125	-10.6	87	0.00	11.98
73		tert-Butylbenzene	20.000	22.110	-10.5	87	0.00	12.14
74		1,2,4-Trimethylbenzene	20.000	22.037	-10.2	86	0.00	12.22
75		sec-Butylbenzene	20.000	21.651	-8.3	84	0.00	12.33
76		4-Isopropyltoluene	20.000	21.693	-8.5	85	0.00	12.46
			AvgRF	CCRF	%Dev			
77		1,3-Dichlorobenzene	2.237	2.561	-14.5	85	0.00	12.59
78		1,4-Dichlorobenzene	2.497	2.714	-8.7	87	0.00	12.68
			Amount	Calc.	%Drift			
79		n-Butylbenzene	20.000	20.810	-4.0	81	0.00	12.90
			AvgRF	CCRF	%Dev			
80		1,2-Dichlorobenzene	2.233	2.545	-14.0	86	0.00	13.11
81		1,2-Dibromo-3-Chloropropa	0.197	0.212	-7.6	83	0.00	13.88
82		Hexachlorobutadiene	0.990	1.028	-3.8	79	0.00	14.43
			Amount	Calc.	%Drift			
83		1,2,4-Trichlorobenzene	20.000	20.452	-2.3	79	0.00	14.48
84		Naphthalene	20.000	20.610	-3.0	80	0.00	14.76
85		1,2,3-Trichlorobenzene	20.000	20.924	-4.6	81	0.00	14.92
			AvgRF	CCRF	%Dev			
86	I	Fluorobenzene-A	1.000	1.000	0.0	78	0.00	7.25

Continuing Calibration Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample: VA2951-ECC2939
Lab FileID: A0227771.D

		Amount	Calc.	%Drift			
87	tert-Butyl Formate	100.000	14.087	85.9#	10	0.00	6.70
88	3,3-Dimethyl-1-Butanol	200.000	130.800	34.6#	42	0.00	9.94

(#) = Out of Range SPCC's out = 0 CCC's out = 0
A0227484.D MSASTD082621.M Thu Sep 23 08:50:53 2021

6.7.4

6

Continuing Calibration Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample: VA2952-CC2939
Lab FileID: A0227774.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\092321\A0227774.D Vial: 3
Acq On : 23 Sep 2021 9:19 am Operator: joannel
Sample : CC2939-4 Inst : MSVOA10
Misc : MS49811,VA2952,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\MSASTD082621.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Fri Aug 27 11:06:17 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 70% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 130%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	85	0.00	7.25
2 C	Dichlorodifluoromethane	0.417	0.359	13.9	66#	0.00	2.53
3 C	Chloromethane	0.451	0.359	20.4	68#	0.00	2.78
4 C	Vinyl Chloride	0.342	0.316	7.6	74	0.00	2.89
		Amount	Calc.	%Drift			
5 C	Bromomethane	20.000	20.723	-3.6	91	0.00	3.27
6 C	Chloroethane	20.000	20.779	-3.9	84	0.00	3.40
		AvgRF	CCRF	%Dev			
7 C	Trichlorofluoromethane	0.560	0.585	-4.5	81	0.00	3.56
8	Ethanol	0.002	0.001	50.0#	51#	-0.01	3.99
9	1,1-Dichloroethene	0.590	0.617	-4.6	83	0.00	4.10
		Amount	Calc.	%Drift			
10	Freon 113	20.000	20.330	-1.6	83	0.00	4.13
		AvgRF	CCRF	%Dev			
11	Carbon Disulfide	1.352	1.412	-4.4	83	0.00	4.16
12	Iodomethane	0.786	0.824	-4.8	84	0.00	4.28
		Amount	Calc.	%Drift			
13	Methylene Chloride	20.000	16.858	15.7	72	-0.03	4.67
		AvgRF	CCRF	%Dev			
14	Acetone	0.079	0.084	-6.3	80	0.00	4.72
15	trans-1,2-Dichloroethene	0.547	0.584	-6.8	85	0.00	4.84
		Amount	Calc.	%Drift			
16	Hexane	20.000	20.094	-0.5	81	0.00	4.91
		AvgRF	CCRF	%Dev			
17	Methyl Tert Butyl Ether	0.951	1.030	-8.3	84	0.00	4.92
		Amount	Calc.	%Drift			
18	Tert Butyl Alcohol	200.000	169.830	15.1	62	0.00	4.99
19	Di-isopropyl ether	20.000	19.994	0.0	83	0.00	5.28
		AvgRF	CCRF	%Dev			
20	1,1-Dichloroethane	0.673	0.700	-4.0	85	0.00	5.47
		Amount	Calc.	%Drift			

Continuing Calibration Summary

Job Number: FA89164 **Sample:** VA2952-CC2939
Account: URSNCM AECOM, INC. **Lab FileID:** A0227774.D
Project: CPC Huntersville, NC

21		Vinyl Acetate	100.000	93.816	6.2	78	0.00	5.67
22		ETBE	20.000	20.299	-1.5	85	0.00	5.66
			AvgRF	CCRF	%Dev			
23		cis-1,2-Dichloroethene	0.424	0.452	-6.6	85	0.00	6.01
24		2,2-Dichloropropane	0.305	0.358	-17.4	97	0.00	6.12
25		Bromochloromethane	0.256	0.267	-4.3	87	0.00	6.22
26		Chloroform	0.837	0.845	-1.0	86	0.00	6.27
27	S	Dibromofluoromethane	0.309	0.272	12.0	75	0.00	6.45
28		Carbon Tetrachloride	0.586	0.647	-10.4	89	0.00	6.43
29		1,1,1-Trichloroethane	0.640	0.702	-9.7	89	0.00	6.50
			Amount	Calc.	%Drift			
30		2-Butanone	100.000	96.855	3.1	79	0.00	6.56
31		1,1-Dichloropropene	20.000	21.111	-5.6	86	0.00	6.61
			AvgRF	CCRF	%Dev			
32		Benzene	1.550	1.604	-3.5	85	0.00	6.86
33	S	1,2-Dichloroethane-d4	0.304	0.314	-3.3	88	0.00	6.98
34		1,2-Dichloroethane	0.534	0.563	-5.4	87	0.00	7.05
			Amount	Calc.	%Drift			
35		TAME	20.000	20.315	-1.6	84	0.00	6.92
36		tert Amyl alcohol	200.000	193.318	3.3	76	0.00	7.09
37		TAEE	40.000	39.413	1.5	86	0.00	7.59
			AvgRF	CCRF	%Dev			
38		Trichloroethene	0.445	0.487	-9.4	88	0.00	7.42
39		Dibromomethane	0.266	0.274	-3.0	85	0.00	7.84
40		1,2-Dichloropropane	0.356	0.374	-5.1	84	0.00	7.93
41		Bromodichloromethane	0.561	0.606	-8.0	87	0.00	7.98
			Amount	Calc.	%Drift			
42		2-Chloroethyl vinyl ether	100.000	96.133	3.9	75	0.00	8.50
43		cis-1,3-Dichloropropene	20.000	20.957	-4.8	86	0.00	8.59
			AvgRF	CCRF	%Dev			
44	I	Chlorobenzene-d5	1.000	1.000	0.0	87	0.00	10.31
45	S	Toluene-d8	1.248	1.215	2.6	86	0.00	8.77
46		Toluene	2.189	2.203	-0.6	86	0.00	8.83
47		4-Methyl-2-pentanone	0.352	0.356	-1.1	81	0.00	9.16
			Amount	Calc.	%Drift			
48		trans-1,3-Dichloropropene	20.000	20.173	-0.9	86	0.00	9.22
			AvgRF	CCRF	%Dev			
49		Tetrachloroethene	0.663	0.690	-4.1	87	0.00	9.22
50		1,1,2-Trichloroethane	0.391	0.375	4.1	84	0.00	9.38
51		Dibromochloromethane	0.576	0.600	-4.2	87	0.00	9.57
52		1,3-Dichloropropane	0.709	0.716	-1.0	84	0.00	9.65
53		1,2-Dibromoethane	0.452	0.452	0.0	84	0.00	9.83
			Amount	Calc.	%Drift			
54		2-Hexanone	100.000	94.753	5.2	82	0.00	9.97
			AvgRF	CCRF	%Dev			
55		Ethylbenzene	2.291	2.457	-7.2	87	0.00	10.33
56		Chlorobenzene	1.488	1.501	-0.9	87	0.00	10.33
57		1,1,1,2-Tetrachloroethane	0.605	0.616	-1.8	87	0.00	10.38

Continuing Calibration Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample: VA2952-CC2939
Lab FileID: A0227774.D

			Amount	Calc.	%Drift			
58		m,p-Xylene	40.000	40.902	-2.3	87	0.00	10.47
59		o-Xylene	20.000	20.202	-1.0	86	0.00	10.90
60		Styrene	20.000	20.197	-1.0	86	0.00	10.95
			AvgRF	CCRF	%Dev			
61		Bromoform	0.371	0.400	-7.8	88	0.00	11.01
			Amount	Calc.	%Drift			
62		Isopropylbenzene	20.000	20.686	-3.4	88	0.00	11.20
			AvgRF	CCRF	%Dev			
63	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	89	0.00	12.66
64	S	4-Bromofluorobenzene	0.806	0.800	0.7	89	0.00	11.51
			Amount	Calc.	%Drift			
65		n-Propylbenzene	20.000	20.053	-0.3	87	0.00	11.62
			AvgRF	CCRF	%Dev			
66		Bromobenzene	1.322	1.346	-1.8	88	0.00	11.64
67		1,1,2,2-Tetrachloroethane	1.185	1.090	8.0	84	0.00	11.70
			Amount	Calc.	%Drift			
68		1,3,5-Trimethylbenzene	20.000	20.379	-1.9	88	0.00	11.81
69		2-Chlorotoluene	20.000	20.128	-0.6	88	0.00	11.81
			AvgRF	CCRF	%Dev			
70		1,2,3-Trichloropropane	0.330	0.318	3.6	86	0.00	11.85
			Amount	Calc.	%Drift			
71		trans-1,4-Dichloro-2-Bute	20.000	19.606	2.0	93	0.00	11.87
72		4-Chlorotoluene	20.000	20.087	-0.4	88	0.00	11.97
73		tert-Butylbenzene	20.000	20.588	-2.9	90	0.00	12.14
74		1,2,4-Trimethylbenzene	20.000	20.416	-2.1	88	0.00	12.22
75		sec-Butylbenzene	20.000	20.241	-1.2	88	0.00	12.33
76		4-Isopropyltoluene	20.000	20.531	-2.7	89	0.00	12.46
			AvgRF	CCRF	%Dev			
77		1,3-Dichlorobenzene	2.237	2.355	-5.3	87	0.00	12.59
78		1,4-Dichlorobenzene	2.497	2.449	1.9	88	0.00	12.68
			Amount	Calc.	%Drift			
79		n-Butylbenzene	20.000	20.321	-1.6	88	0.00	12.90
			AvgRF	CCRF	%Dev			
80		1,2-Dichlorobenzene	2.233	2.340	-4.8	88	0.00	13.11
81		1,2-Dibromo-3-Chloropropa	0.197	0.199	-1.0	86	0.00	13.88
82		Hexachlorobutadiene	0.990	0.998	-0.8	85	0.00	14.43
			Amount	Calc.	%Drift			
83		1,2,4-Trichlorobenzene	20.000	19.679	1.6	84	0.00	14.48
84		Naphthalene	20.000	19.412	2.9	83	0.00	14.76
85		1,2,3-Trichlorobenzene	20.000	19.429	2.9	83	0.00	14.92
			AvgRF	CCRF	%Dev			
86	I	Fluorobenzene-A	1.000	1.000	0.0	85	0.00	7.25

Continuing Calibration Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample: VA2952-CC2939
Lab FileID: A0227774.D

		Amount	Calc.	%Drift			
87	tert-Butyl Formate	100.000	18.636	81.4#	15	0.00	6.70
88	3,3-Dimethyl-1-Butanol	200.000	190.593	4.7	72	0.00	9.93

(#) = Out of Range SPCC's out = 0 CCC's out = 0
A0227484.D MSASTD082621.M Thu Sep 23 14:53:10 2021

6.7.5

6

Continuing Calibration Summary

Job Number: FA89164 **Sample:** VA2953-CC2939
Account: URSNCM AECOM, INC. **Lab FileID:** A0227783.D
Project: CPC Huntersville, NC

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\092321\A0227783.D Vial: 3
Acq On : 23 Sep 2021 1:46 pm Operator: joannel
Sample : CC2939-4 Inst : MSVOA10
Misc : MS49841,VA2953,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\MSASTD082621.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Fri Aug 27 11:06:17 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 70% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 130%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	110	0.00	7.25
2 C	Dichlorodifluoromethane	0.417	0.344	17.5	82	0.00	2.54
3 C	Chloromethane	0.451	0.337	25.3	83	0.00	2.80
4 C	Vinyl Chloride	0.342	0.299	12.6	91	0.00	2.89
		Amount	Calc.	%Drift			
5 C	Bromomethane	20.000	20.665	-3.3	117	0.01	3.28
6 C	Chloroethane	20.000	20.092	-0.5	106	0.01	3.41
		AvgRF	CCRF	%Dev			
7 C	Trichlorofluoromethane	0.560	0.569	-1.6	101	0.00	3.57
8	Ethanol	0.002	0.001	50.0#	71	0.00	4.00
9	1,1-Dichloroethene	0.590	0.572	3.1	100	0.00	4.11
		Amount	Calc.	%Drift			
10	Freon 113	20.000	19.290	3.6	102	0.00	4.14
		AvgRF	CCRF	%Dev			
11	Carbon Disulfide	1.352	1.334	1.3	102	0.00	4.17
12	Iodomethane	0.786	0.769	2.2	101	0.00	4.28
		Amount	Calc.	%Drift			
13	Methylene Chloride	20.000	17.915	10.4	98	-0.03	4.67
		AvgRF	CCRF	%Dev			
14	Acetone	0.079	0.088	-11.4	109	0.00	4.72
15	trans-1,2-Dichloroethene	0.547	0.560	-2.4	105	0.00	4.84
		Amount	Calc.	%Drift			
16	Hexane	20.000	18.518	7.4	97	0.00	4.91
		AvgRF	CCRF	%Dev			
17	Methyl Tert Butyl Ether	0.951	0.987	-3.8	105	0.00	4.92
		Amount	Calc.	%Drift			
18	Tert Butyl Alcohol	200.000	164.038	18.0	77	0.00	5.00
19	Di-isopropyl ether	20.000	18.816	5.9	101	0.00	5.29
		AvgRF	CCRF	%Dev			
20	1,1-Dichloroethane	0.673	0.677	-0.6	106	0.00	5.47
		Amount	Calc.	%Drift			

Continuing Calibration Summary

Job Number: FA89164 **Sample:** VA2953-CC2939
Account: URSNCM AECOM, INC. **Lab FileID:** A0227783.D
Project: CPC Huntersville, NC

21		Vinyl Acetate	100.000	99.822	0.2	107	0.00	5.67
22		ETBE	20.000	19.501	2.5	105	0.00	5.66
			AvgRF	CCRF	%Dev			
23		cis-1,2-Dichloroethene	0.424	0.434	-2.4	105	0.00	6.02
24		2,2-Dichloropropane	0.305	0.343	-12.5	120	0.00	6.13
25		Bromochloromethane	0.256	0.262	-2.3	110	0.00	6.22
26		Chloroform	0.837	0.832	0.6	110	0.00	6.27
27	S	Dibromofluoromethane	0.309	0.275	11.0	99	0.00	6.45
28		Carbon Tetrachloride	0.586	0.611	-4.3	108	0.00	6.43
29		1,1,1-Trichloroethane	0.640	0.678	-5.9	111	0.00	6.50
			Amount	Calc.	%Drift			
30		2-Butanone	100.000	101.904	-1.9	107	0.00	6.56
31		1,1-Dichloropropene	20.000	20.094	-0.5	107	0.00	6.61
			AvgRF	CCRF	%Dev			
32		Benzene	1.550	1.561	-0.7	106	0.00	6.86
33	S	1,2-Dichloroethane-d4	0.304	0.320	-5.3	116	0.00	6.99
34		1,2-Dichloroethane	0.534	0.557	-4.3	112	0.00	7.06
			Amount	Calc.	%Drift			
35		TAME	20.000	19.426	2.9	104	0.00	6.93
36		tert Amyl alcohol	200.000	184.474	7.8	93	0.00	7.09
37		TAEE	40.000	45.786	-14.5	129	0.00	7.59
			AvgRF	CCRF	%Dev			
38		Trichloroethene	0.445	0.476	-7.0	112	0.00	7.42
39		Dibromomethane	0.266	0.269	-1.1	108	0.00	7.84
40		1,2-Dichloropropane	0.356	0.366	-2.8	106	0.00	7.94
41		Bromodichloromethane	0.561	0.591	-5.3	110	0.00	7.98
			Amount	Calc.	%Drift			
42		2-Chloroethyl vinyl ether	100.000	106.150	-6.2	109	0.00	8.50
43		cis-1,3-Dichloropropene	20.000	20.295	-1.5	108	0.00	8.59
			AvgRF	CCRF	%Dev			
44	I	Chlorobenzene-d5	1.000	1.000	0.0	116	0.00	10.31
45	S	Toluene-d8	1.248	1.187	4.9	111	0.00	8.77
46		Toluene	2.189	2.109	3.7	109	0.00	8.83
47		4-Methyl-2-pentanone	0.352	0.372	-5.7	112	0.00	9.16
			Amount	Calc.	%Drift			
48		trans-1,3-Dichloropropene	20.000	19.503	2.5	110	0.00	9.22
			AvgRF	CCRF	%Dev			
49		Tetrachloroethene	0.663	0.660	0.5	111	0.00	9.22
50		1,1,2-Trichloroethane	0.391	0.364	6.9	108	0.00	9.38
51		Dibromochloromethane	0.576	0.573	0.5	110	0.00	9.58
52		1,3-Dichloropropane	0.709	0.686	3.2	107	0.00	9.66
53		1,2-Dibromoethane	0.452	0.431	4.6	106	0.00	9.83
			Amount	Calc.	%Drift			
54		2-Hexanone	100.000	99.579	0.4	114	0.00	9.97
			AvgRF	CCRF	%Dev			
55		Ethylbenzene	2.291	2.340	-2.1	110	0.00	10.33
56		Chlorobenzene	1.488	1.461	1.8	112	0.00	10.33
57		1,1,1,2-Tetrachloroethane	0.605	0.591	2.3	111	0.00	10.38

Continuing Calibration Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample: VA2953-CC2939
Lab FileID: A0227783.D

			Amount	Calc.	%Drift			
58		m,p-Xylene	40.000	39.016	2.5	110	0.00	10.47
59		o-Xylene	20.000	19.001	5.0	107	0.00	10.90
60		Styrene	20.000	19.249	3.8	108	0.00	10.95
			AvgRF	CCRF	%Dev			
61		Bromoform	0.371	0.380	-2.4	111	0.00	11.01
			Amount	Calc.	%Drift			
62		Isopropylbenzene	20.000	19.202	4.0	108	0.00	11.20
			AvgRF	CCRF	%Dev			
63	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	117	0.00	12.66
64	S	4-Bromofluorobenzene	0.806	0.781	3.1	113	0.00	11.51
			Amount	Calc.	%Drift			
65		n-Propylbenzene	20.000	18.947	5.3	108	0.00	11.62
			AvgRF	CCRF	%Dev			
66		Bromobenzene	1.322	1.314	0.6	112	0.00	11.64
67		1,1,2,2-Tetrachloroethane	1.185	1.067	10.0	108	0.00	11.70
			Amount	Calc.	%Drift			
68		1,3,5-Trimethylbenzene	20.000	19.133	4.3	108	0.00	11.81
69		2-Chlorotoluene	20.000	19.259	3.7	111	0.00	11.81
			AvgRF	CCRF	%Dev			
70		1,2,3-Trichloropropane	0.330	0.312	5.5	111	0.00	11.85
			Amount	Calc.	%Drift			
71		trans-1,4-Dichloro-2-Bute	20.000	19.341	3.3	120	0.00	11.87
72		4-Chlorotoluene	20.000	19.341	3.3	110	0.00	11.98
73		tert-Butylbenzene	20.000	18.976	5.1	108	0.00	12.14
74		1,2,4-Trimethylbenzene	20.000	19.242	3.8	109	0.00	12.22
75		sec-Butylbenzene	20.000	18.673	6.6	106	0.00	12.33
76		4-Isopropyltoluene	20.000	18.746	6.3	106	0.00	12.46
			AvgRF	CCRF	%Dev			
77		1,3-Dichlorobenzene	2.237	2.251	-0.6	109	0.00	12.59
78		1,4-Dichlorobenzene	2.497	2.383	4.6	112	0.00	12.68
			Amount	Calc.	%Drift			
79		n-Butylbenzene	20.000	18.719	6.4	106	0.00	12.90
			AvgRF	CCRF	%Dev			
80		1,2-Dichlorobenzene	2.233	2.222	0.5	109	0.00	13.11
81		1,2-Dibromo-3-Chloropropa	0.197	0.188	4.6	107	0.00	13.88
82		Hexachlorobutadiene	0.990	0.896	9.5	100	0.00	14.43
			Amount	Calc.	%Drift			
83		1,2,4-Trichlorobenzene	20.000	18.054	9.7	100	0.00	14.48
84		Naphthalene	20.000	18.083	9.6	100	0.00	14.76
85		1,2,3-Trichlorobenzene	20.000	18.291	8.5	102	0.00	14.92
			AvgRF	CCRF	%Dev			
86	I	Fluorobenzene-A	1.000	1.000	0.0	110	0.00	7.25

Continuing Calibration Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample: VA2953-CC2939
Lab FileID: A0227783.D

		Amount	Calc.	%Drift			
87	tert-Butyl Formate	100.000	21.583	78.4#	22	0.00	6.70
88	3,3-Dimethyl-1-Butanol	200.000	203.075	-1.5	101	0.00	9.93

(#) = Out of Range SPCC's out = 0 CCC's out = 0
A0227484.D MSASTD082621.M Fri Sep 24 12:50:33 2021

Run Sequence Report

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Run ID: VA2939	**Method:** SM 6200B	**Instrument ID:** GCMSA

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VA2939-BFB	A0227479.D	08/26/21 15:17	n/a	BFB Tune
VA2939-IC2939	A0227481.D	08/26/21 16:00	n/a	Initial cal 1
VA2939-IC2939	A0227482.D	08/26/21 16:23	n/a	Initial cal 2
VA2939-IC2939	A0227483.D	08/26/21 16:45	n/a	Initial cal 3
VA2939-ICC2939	A0227484.D	08/26/21 17:07	n/a	Initial cal 4
VA2939-IC2939	A0227485.D	08/26/21 17:29	n/a	Initial cal 5
VA2939-IC2939	A0227486.D	08/26/21 17:51	n/a	Initial cal 6
VA2939-ICV2939	A0227488.D	08/26/21 18:35	n/a	Initial cal verification 4

Run Sequence Report

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Run ID: VA2951	**Method:** SM 6200B	**Instrument ID:** GCMSA

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VA2951-CC2939	A0227747.D	09/22/21 12:04	n/a	Continuing cal 4
VA2951-BFB	A0227747.D	09/22/21 12:04	n/a	BFB Tune
VA2951-BS	A0227748.D	09/22/21 12:41	n/a	Blank Spike
VA2951-MB	A0227750.D	09/22/21 13:25	n/a	Method Blank
ZZZZZZ	A0227751.D	09/22/21 14:28	n/a	(unrelated sample)
ZZZZZZ	A0227752.D	09/22/21 14:50	n/a	(unrelated sample)
ZZZZZZ	A0227753.D	09/22/21 15:12	n/a	(unrelated sample)
FA89164-2	A0227755.D	09/22/21 15:56	n/a	TRIP BLANK
FA89164-1	A0227756.D	09/22/21 16:18	n/a	MW-94
ZZZZZZ	A0227758.D	09/22/21 17:02	n/a	(unrelated sample)
ZZZZZZ	A0227759.D	09/22/21 17:24	n/a	(unrelated sample)
ZZZZZZ	A0227760.D	09/22/21 17:46	n/a	(unrelated sample)
ZZZZZZ	A0227761.D	09/22/21 18:08	n/a	(unrelated sample)
ZZZZZZ	A0227764.D	09/22/21 19:14	n/a	(unrelated sample)
ZZZZZZ	A0227765.D	09/22/21 19:36	n/a	(unrelated sample)
ZZZZZZ	A0227766.D	09/22/21 19:58	n/a	(unrelated sample)
FA88994-2	A0227767.D	09/22/21 20:20	n/a	(used for QC only; not part of job FA89164)
FA88994-2MS	A0227768.D	09/22/21 20:42	n/a	Matrix Spike
FA88994-2MSD	A0227769.D	09/22/21 21:04	n/a	Matrix Spike Duplicate
ZZZZZZ	A0227770.D	09/22/21 21:26	n/a	(unrelated sample)
VA2951-ECC2939	A0227771.D	09/22/21 21:48	n/a	Ending cal 4

Run Sequence Report

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Run ID: VA2952	**Method:** SM 6200B	**Instrument ID:** GCMSA

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VA2952-BFB	A0227772.D	09/23/21 08:35	n/a	BFB Tune
VA2952-CC2939	A0227774.D	09/23/21 09:19	n/a	Continuing cal 4
VA2952-BS	A0227775.D	09/23/21 10:07	n/a	Blank Spike
VA2952-MB	A0227777.D	09/23/21 10:51	n/a	Method Blank
FA89164-2	A0227778.D	09/23/21 11:13	n/a	TRIP BLANK
FA89164-1	A0227779.D	09/23/21 11:35	n/a	MW-94

Run Sequence Report

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Run ID: VA2953	**Method:** SM 6200B	**Instrument ID:** GCMSA

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VA2953-BFB	A0227781.D	09/23/21 13:02	n/a	BFB Tune
VA2953-CC2939	A0227783.D	09/23/21 13:46	n/a	Continuing cal 4
VA2953-BS	A0227784.D	09/23/21 14:19	n/a	Blank Spike
VA2953-MB	A0227786.D	09/23/21 15:04	n/a	Method Blank
ZZZZZZ	A0227788.D	09/23/21 15:48	n/a	(unrelated sample)
ZZZZZZ	A0227789.D	09/23/21 16:10	n/a	(unrelated sample)
ZZZZZZ	A0227790.D	09/23/21 16:32	n/a	(unrelated sample)
ZZZZZZ	A0227791.D	09/23/21 16:54	n/a	(unrelated sample)
FA88998-2	A0227792.D	09/23/21 17:16	n/a	(used for QC only; not part of job FA89164)
ZZZZZZ	A0227793.D	09/23/21 17:38	n/a	(unrelated sample)
ZZZZZZ	A0227794.D	09/23/21 18:00	n/a	(unrelated sample)
FA88998-5	A0227797.D	09/23/21 19:05	n/a	(used for QC only; not part of job FA89164)
ZZZZZZ	A0227798.D	09/23/21 19:27	n/a	(unrelated sample)
ZZZZZZ	A0227799.D	09/23/21 19:49	n/a	(unrelated sample)
ZZZZZZ	A0227800.D	09/23/21 20:11	n/a	(unrelated sample)
FA88998-2MS	A0227801.D	09/23/21 20:33	n/a	Matrix Spike
FA88998-2MSD	A0227802.D	09/23/21 20:55	n/a	Matrix Spike Duplicate
FA88998-5MS	A0227803.D	09/23/21 21:17	n/a	Matrix Spike
FA88998-5MSD	A0227804.D	09/23/21 21:39	n/a	Matrix Spike Duplicate
VA2953-ECC2939	A0227805.D	09/23/21 22:02	n/a	Ending cal 4

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
G1S318-MB	1S8036.D	1	09/22/21	CG	n/a	n/a	G1S318

The QC reported here applies to the following samples: **Method:** MADEP VPH REV 2.1

FA89164-1

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	1.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	1.0	ug/l	
91-20-3	Naphthalene [a]	3.1	5.0	3.0	ug/l	JB
108-88-3	Toluene	ND	2.0	1.0	ug/l	
	m,p-Xylene	ND	4.0	2.0	ug/l	
95-47-6	o-Xylene	ND	2.0	1.0	ug/l	
	C5- C8 Aliphatics (Unadj.)	ND	100	35	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	100	35	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	100	35	ug/l	
	C5- C8 Aliphatics	ND	100	35	ug/l	
	C9- C12 Aliphatics	ND	100	35	ug/l	
	C9- C10 Aromatics	ND	100	35	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	BFB	74%	70-130%
460-00-4	BFB	80%	70-130%

(a) Suspected laboratory contaminant.

Blank Spike/Blank Spike Duplicate Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
G1S318-BS	1S8024.D	1	09/22/21	CG	n/a	n/a	G1S318
G1S318-BSD	1S8025.D	1	09/22/21	CG	n/a	n/a	G1S318

The QC reported here applies to the following samples: **Method:** MADEP VPH REV 2.1

FA89164-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	80	71.1	89	81.2	102	13	70-130/25
100-41-4	Ethylbenzene	80	70.0	88	81.4	102	15	70-130/25
1634-04-4	Methyl Tert Butyl Ether	80	76.0	95	80.5	101	6	70-130/25
91-20-3	Naphthalene	80	79.3	99	81.9	102	3	70-130/25
108-88-3	Toluene	80	71.2	89	81.8	102	14	70-130/25
	m,p-Xylene	160	142	89	165	103	15	70-130/25
95-47-6	o-Xylene	80	71.8	90	81.7	102	13	70-130/25
	C5- C8 Aliphatics (Unadj.)	240	180	75	215	90	18	70-130/25
	C9- C12 Aliphatics (Unadj.)	160	141	88	138	86	2	70-130/25
	C9- C10 Aromatics (Unadj.)	80	74.5	93	85.4	107	14	70-130/25
	C9- C10 Aromatics	80	74.5	93	85.4	107	14	70-130/25

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	BFB	75%	83%	70-130%
460-00-4	BFB	80%	90%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA88885-2MS	1S8051.D	1	09/22/21	CG	n/a	n/a	G1S318
FA88885-2MSD	1S8052.D	1	09/22/21	CG	n/a	n/a	G1S318
FA88885-2	1S8048.D	1	09/22/21	CG	n/a	n/a	G1S318

The QC reported here applies to the following samples: **Method:** MADEP VPH REV 2.1

FA89164-1

CAS No.	Compound	FA88885-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		80	82.7	103	80	82.3	103	0	70-130/50
100-41-4	Ethylbenzene	ND		80	82.3	103	80	82.5	103	0	70-130/50
1634-04-4	Methyl Tert Butyl Ether	ND		80	85.2	107	80	84.9	106	0	70-130/50
91-20-3	Naphthalene	ND		80	82.3	103	80	81.1	101	1	70-130/50
108-88-3	Toluene	ND		80	82.8	104	80	82.7	103	0	70-130/50
	m,p-Xylene	ND		160	164	103	160	165	103	1	70-130/50
95-47-6	o-Xylene	ND		80	82.9	104	80	82.8	104	0	70-130/50
	C5- C8 Aliphatics (Unadj.)	ND		480	470	98	480	465	97	1	70-130/50
	C9- C12 Aliphatics (Unadj.)	ND		400	359	90	400	367	92	2	70-130/50
	C9- C10 Aromatics (Unadj.)	ND		240	256	107	240	244	102	5	70-130/50
	C9- C10 Aromatics	ND		240	256	107	240	244	102	5	70-130/50

CAS No.	Surrogate Recoveries	MS	MSD	FA88885-2	Limits
460-00-4	BFB	86%	77%	82%	70-130%
460-00-4	BFB	90%	83%	86%	70-130%

* = Outside of Control Limits.

Duplicate Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD31646-3DUP	1S8033.D	1	09/22/21	CG	n/a	n/a	G1S318
JD31646-3	1S8030.D	1	09/22/21	CG	n/a	n/a	G1S318

The QC reported here applies to the following samples: **Method:** MADEP VPH REV 2.1

FA89164-1

CAS No.	Compound	JD31646-3 ug/l	Q	DUP ug/l	Q	RPD	Limits
71-43-2	Benzene	ND		ND		nc	50
100-41-4	Ethylbenzene	ND		ND		nc	50
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	50
91-20-3	Naphthalene	ND		ND		nc	50
108-88-3	Toluene	ND		ND		nc	50
	m,p-Xylene	ND		ND		nc	50
95-47-6	o-Xylene	ND		ND		nc	50
	C5- C8 Aliphatics (Unadj.)	ND		ND		nc	50
	C9- C12 Aliphatics (Unadj.)	ND		ND		nc	50
	C9- C10 Aromatics (Unadj.)	ND		ND		nc	50
	C5- C8 Aliphatics	ND		ND		nc	50
	C9- C12 Aliphatics	ND		ND		nc	50
	C9- C10 Aromatics	ND		ND		nc	50

CAS No.	Surrogate Recoveries	DUP	JD31646-3	Limits
460-00-4	BFB	85%	85%	70-130%
460-00-4	BFB	93%	86%	70-130%

* = Outside of Control Limits.

Surrogate Recovery Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Method: MADEP VPH REV 2.1 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]
FA89164-1	1S8041.D	82	86
FA88885-2MS	1S8051.D	86	90
FA88885-2MSD	1S8052.D	77	83
G1S318-BS	1S8024.D	75	80
G1S318-BSD	1S8025.D	83	90
G1S318-MB	1S8036.D	74	80
JD31646-3DUP	1S8033.D	85	93

Surrogate Compounds	Recovery Limits
S1 = BFB	70-130%

(a) Recovery from GC signal #2
(b) Recovery from GC signal #1

GC Surrogate Retention Time Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Check Std:	G1S318-CC315	**Injection Date:**	09/22/21
Lab File ID:	1S8023.D	**Injection Time:**	09:11
Instrument ID:	GC1S	**Method:**	MADEP VPH REV 2.1

	S1 [a] RT	S1 [b] RT
Check Std	16.36	16.36

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT
G1S318-BS	1S8024.D	09/22/21	09:39	16.35	16.35
G1S318-BSD	1S8025.D	09/22/21	10:07	16.35	16.35
ZZZZZZ	1S8027.D	09/22/21	11:03	16.35	16.35
ZZZZZZ	1S8028.D	09/22/21	11:31	16.35	16.35
JD31646-3	1S8030.D	09/22/21	12:28	16.35	16.35
ZZZZZZ	1S8031.D	09/22/21	12:56	16.35	16.35
JD31646-3DUP	1S8033.D	09/22/21	13:53	16.35	16.35

Surrogate Compounds

S1 = BFB

(a) Retention time from GC signal #2
(b) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Check Std:	G1S318-CC315	**Injection Date:**	09/22/21
Lab File ID:	1S8035.D	**Injection Time:**	15:19
Instrument ID:	GC1S	**Method:**	MADEP VPH REV 2.1

	S1 [a] RT	S1 [b] RT
Check Std	16.36	16.36

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT
G1S318-MB	1S8036.D	09/22/21	15:47	16.36	16.36
ZZZZZZ	1S8038.D	09/22/21	16:44	16.35	16.35
ZZZZZZ	1S8039.D	09/22/21	17:13	16.35	16.35
ZZZZZZ	1S8040.D	09/22/21	17:41	16.35	16.35
FA89164-1	1S8041.D	09/22/21	18:10	16.35	16.35
ZZZZZZ	1S8042.D	09/22/21	18:38	16.35	16.35

Surrogate Compounds

S1 = BFB

(a) Retention time from GC signal #2
(b) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Check Std:	G1S318-CC315	**Injection Date:**	09/22/21
Lab File ID:	1S8043.D	**Injection Time:**	19:06
Instrument ID:	GC1S	**Method:**	MADEP VPH REV 2.1

	S1 [a] RT	S1 [b] RT
Check Std	16.35	16.35

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT
ZZZZZZ	1S8045.D	09/22/21	20:03	16.35	16.35
ZZZZZZ	1S8046.D	09/22/21	20:31	16.35	16.35
ZZZZZZ	1S8047.D	09/22/21	21:00	16.35	16.35
FA88885-2	1S8048.D	09/22/21	21:28	16.35	16.35
ZZZZZZ	1S8049.D	09/22/21	21:56	16.35	16.35
ZZZZZZ	1S8050.D	09/22/21	22:25	16.35	16.35
FA88885-2MS	1S8051.D	09/22/21	22:53	16.35	16.35
FA88885-2MSD	1S8052.D	09/22/21	23:21	16.35	16.35

Surrogate Compounds

S1 = BFB

(a) Retention time from GC signal #2
(b) Retention time from GC signal #1

Initial Calibration Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample: G1S315-ICC315
Lab FileID: 1S7993.D

Response Factor Report GCVOA13

Method : C:\msdchem\1\methods\VPH_09-16-21.M (ChemStation Integrator)
Title : Mass. DEP VPH
Last Update : Thu Sep 16 15:04:21 2021
Response via : Initial Calibration

Calibration Files
1 =1S7990.d 2 =1S7991.d 3 =1S7992.d 4 =1S7993.d
5 =1S7994.d 6 =1S7995.d

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	S	Alkane A							0.000	-1.00
2)	S	Alkane B							0.000	-1.00
3)	S	Aromatic A							0.000	-1.00
4)	S	Aromatic B							0.000	-1.00
5)	S	Aromatic C							0.000	-1.00
6)	S	Aromatic D							0.000	-1.00
7)	S	Aromatic E							0.000	-1.00
8)	S	Aromatic F							0.000	-1.00
9)	S	Aromatic G							0.000	-1.00
10)		Pentane							0.000	-1.00
11)		2-Methylpentane							0.000	-1.00
12)		Methyl Tert Butyl E	6.696	6.140	7.733	7.939	7.862	7.934	7.384 E5	10.46
		---- Linear regression ---- Coefficient = 1.0000								
		Response Ratio = -906033.12705 + 794347.09832 *A								
13)		2,2,4-Trimethylpent							0.000	-1.00
14)		Benzene	2.070	1.882	2.270	2.323	2.273	2.295	2.186 E6	7.96
		---- Linear regression ---- Coefficient = 0.9999								
		Response Ratio = -1315785.16104 + 2294609.55415 *A								
15)		Toluene	2.228	1.785	2.131	2.174	2.112	2.124	2.092 E6	7.48
		---- Linear regression ---- Coefficient = 0.9999								
		Response Ratio = 16423.61844 + 2122435.80969 *A								
16)		Nonane							0.000	-1.00
17)		Ethylbenzene	1.690	1.497	1.839	1.863	1.834	1.838	1.760 E6	8.12
		---- Linear regression ---- Coefficient = 1.0000								
		Response Ratio = -599736.29951 + 1840014.39473 *A								
18)		m,p-Xylene	2.095	1.856	2.247	2.255	2.181	2.143	2.130 E6	6.90
		---- Linear regression ---- Coefficient = 0.9997								
		Response Ratio = 6260978.24433 + 2148385.87464 *A								
19)		o-Xylene	1.734	1.525	1.850	1.869	1.841	1.837	1.776 E6	7.42
		---- Linear regression ---- Coefficient = 1.0000								
		Response Ratio = -93026.43831 + 1839556.47984 *A								
20)	S	BFB	2.089	1.681	2.090	2.114	2.107	2.086	2.028 E6	8.39
		---- Linear regression ---- Coefficient = 0.9999								
		Response Ratio = -351362.30405 + 2093614.52341 *A								
21)		Decane							0.000	-1.00
22)		1,2,4-Trimethylbenz	1.834	1.617	1.987	2.015	2.034	2.044	1.922 E6	8.73
		---- Linear regression ---- Coefficient = 1.0000								
		Response Ratio = -2811759.23067 + 2049330.76782 *A								
23)		Butylcyclohexane							0.000	-1.00

Initial Calibration Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample: G1S315-ICC315
Lab FileID: 1S7993.D

```
 24)     Naphthalene          1.356 1.184 1.453 1.437 1.520 1.530 1.413 E6   9.11
             ---- Linear regression ----  Coefficient =  0.9998
               Response Ratio = -4118824.83831 + 1536853.40603 *A

 25) H   C9- C10 Aromatics (        2.894 1.604 1.277 1.139 1.091 1.601 E6  46.85
             ---- Linear regression ----  Coefficient =  0.9995
               Response Ratio = 23775335.33594 + 1036016.23130 *A

 26) H   C5- C8 Aliphatics (                                      0.000  -1.00
 27) H   C9- C12 Aliphatics                                       0.000  -1.00

Signal #2

  1) S   Alkane A                                                 0.000  -1.00
  2) S   Alkane B                                                 0.000  -1.00
  3) S   Aromatic A                                               0.000  -1.00
  4) S   Aromatic B                                               0.000  -1.00
  5) S   Aromatic C                                               0.000  -1.00
  6) S   Aromatic D                                               0.000  -1.00
  7) S   Aromatic E                                               0.000  -1.00
  8) S   Aromatic F                                               0.000  -1.00
  9) S   Aromatic G                                               0.000  -1.00
 10)     Pentane              1.870 1.752 2.185 2.162 2.109 2.104 2.030 E6   8.70
             ---- Linear regression ----  Coefficient =  0.9999
               Response Ratio = 1163722.46148 + 2104446.10003 *A

 11)     2-Methylpentane      2.307 2.056 2.387 2.452 2.424 2.428 2.342 E6   6.36
             ---- Linear regression ----  Coefficient =  1.0000
               Response Ratio = -1268479.50854 + 2431820.26791 *A

 12)     Methyl Tert Butyl E 1.197 0.985 1.187 1.226 1.223 1.226 1.174 E6   7.99
             ---- Linear regression ----  Coefficient =  1.0000
               Response Ratio = -1245555.02740 + 1228680.54830 *A

 13)     2,2,4-Trimethylpent 2.497 2.257 2.651 2.741 2.554 2.436 2.523 E6   6.71
             ---- Linear regression ----  Coefficient =  0.9985
               Response Ratio = 9759580.47804 + 2448952.31212 *A

 14)     Benzene              2.941 2.527 3.028 3.099 3.040 3.070 2.951 E6   7.26
             ---- Linear regression ----  Coefficient =  0.9999
               Response Ratio = -1956416.64711 + 3069151.97610 *A

 15)     Toluene              3.338 2.554 3.034 3.096 3.022 3.044 3.015 E6   8.44
             ---- Linear regression ----  Coefficient =  0.9999
               Response Ratio = -685347.10312 + 3042469.64781 *A

 16)     Nonane               2.821 2.342 2.811 2.847 2.820 2.837 2.746 E6   7.23
             ---- Linear regression ----  Coefficient =  1.0000
               Response Ratio = -1818174.60202 + 2838545.53427 *A

 17)     Ethylbenzene         2.923 2.413 2.901 2.938 2.908 2.925 2.835 E6   7.30
             ---- Linear regression ----  Coefficient =  1.0000
               Response Ratio = -1758314.28534 + 2926665.61834 *A

 18)     m,p-Xylene           2.935 2.534 3.040 3.073 3.033 3.043 2.943 E6   6.99
             ---- Linear regression ----  Coefficient =  1.0000
               Response Ratio = -2169368.84080 + 3044851.45942 *A

 19)     o-Xylene             3.005 2.456 2.951 3.000 2.967 2.974 2.892 E6   7.43
             ---- Linear regression ----  Coefficient =  1.0000
```

Initial Calibration Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample: G1S315-ICC315
Lab FileID: 1S7993.D

```
               Response Ratio = -1385979.62662 + 2977683.10360 *A

20) S   BFB                1.576 1.182 1.478 1.486 1.493 1.486 1.450 E6   9.40
           ---- Linear regression ----  Coefficient =  1.0000
             Response Ratio = -913146.61664 + 1490947.77800 *A

21)     Decane             2.614 2.222 2.736 2.738 2.753 2.724 2.631 E6   7.85
           ---- Linear regression ----  Coefficient =  0.9999
             Response Ratio = -782363.18434 + 2734647.97145 *A

22)     1,2,4-Trimethylbenz 2.819 2.410 2.928 2.985 3.014 3.036 2.865 E6   8.24
           ---- Linear regression ----  Coefficient =  1.0000
             Response Ratio = -4638962.52280 + 3042554.90050 *A

23)     Butylcyclohexane   2.411 2.320 2.826 2.879 2.945 2.948 2.721 E6  10.32
           ---- Linear regression ----  Coefficient =  1.0000
             Response Ratio = -5092439.36844 + 2960307.02373 *A

24)     Naphthalene        1.556 1.287 1.585 1.559 1.640 1.649 1.546 E6   8.59
           ---- Linear regression ----  Coefficient =  0.9999
             Response Ratio = -3878630.38961 + 1655066.07420 *A

25) H   C9- C10 Aromatics (                                    0.000  -1.00
26) H   C5- C8 Aliphatics (       2.865 2.755 2.639 2.445 2.373 2.616 E6   7.89
           ---- Linear regression ----  Coefficient =  0.9993
             Response Ratio = 54906626.87372 + 2344889.92539 *A

27) H   C9- C12 Aliphatics        2.915 2.993 2.914 2.892 2.891 2.921 E6   1.44
           ---- Linear regression ----  Coefficient =  1.0000
             Response Ratio = 8196748.53891 + 2883652.66900 *A

--------------------------------------------------------------------------------
(#) = Out of Range

          VPH_09-16-21.M        Fri Sep 17 07:20:29 2021
```

Initial Calibration Verification

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample: G1S315-ICV315
Lab FileID: 1S7997.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\20...6\1S7997.d\CPDET1B.ch Vial: 9
Signal #2 : C:\msdchem\1\data\2021-09-16\1S7997.d\FID2A.ch
Acq On : 16 Sep 2021 3:33 pm Operator: charleng
Sample : ICV315-4 Inst : GCVOA13
Misc : GC23393,G1S315,,,,, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\msdchem\1\methods\VPH_09-16-21.M (ChemStation Integrator)
Title : Mass. DEP VPH
Last Update : Thu Sep 16 15:04:21 2021
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	S	Alkane A	-1.000	0.000	0.0	0	0.00	16.12-16.12
2	S	Alkane B	-1.000	0.000	0.0	0	0.00	17.31-17.31
3	S	Aromatic A		----------NA----------				
4	S	Aromatic B		----------NA----------				
5	S	Aromatic C		----------NA----------				
6	S	Aromatic D		----------NA----------				
7	S	Aromatic E		----------NA----------				
8	S	Aromatic F		----------NA----------				
9	S	Aromatic G		----------NA----------				
10		Pentane	-1.000	0.000	0.0	0	0.00	6.85- 7.05
11		2-Methylpentane	-1.000	0.000	0.0	0	0.00	8.18- 8.38
12		Methyl Tert Butyl Ethe	100.000	98.441	1.6	97	0.00	8.50- 8.90
13		2,2,4-Trimethylpentane	-1.000	0.000	0.0	0	0.00	10.63-10.83
14		Benzene	100.000	99.821	0.2	98	0.00	11.09-11.29
15		Toluene	100.000	99.747	0.3	97	0.00	13.03-13.23
16		Nonane	-1.000	0.000	0.0	0	0.00	14.33-14.53
17		Ethylbenzene	100.000	99.560	0.4	98	0.00	14.76-14.96
18		m,p-Xylene	200.000	200.425	-0.2	97	0.00	14.85-15.05
19		o-Xylene	100.000	99.957	0.0	98	0.00	15.43-15.63
20	S	BFB	100.000	89.978	10.0	89	0.00	16.25-16.45
21		Decane	-1.000	0.000	0.0	0	0.00	16.02-16.23
22		1,2,4-Trimethylbenzene	100.000	90.751	9.2	91	0.00	17.21-17.41
23		Butylcyclohexane	-1.000	0.000	0.0	0	0.00	17.33-17.53
24		Naphthalene	100.000	94.623	5.4	98	0.00	21.95-22.15
25	H	C9- C10 Aromatics (una	100.000	110.470	-10.5	108	0.00	15.80-21.80
26	H	C5- C8 Aliphatics (una	-1.000	0.000	0.0	0	0.00	6.70-14.30
27	H	C9- C12 Aliphatics (ra	-1.000	0.000	0.0	0	0.00	14.30-21.90

***** Signal #2 *****

1	S	Alkane A		----------NA----------				
2	S	Alkane B		----------NA----------				
3	S	Aromatic A	-1.000	0.000	0.0	0	0.00	8.70- 8.70
4	S	Aromatic B	-1.000	0.000	0.0	0	0.00	11.19-11.19
5	S	Aromatic C	-1.000	0.000	0.0	0	0.00	13.13-13.13
6	S	Aromatic D	-1.000	0.000	0.0	0	0.00	14.86-14.86
7	S	Aromatic E	-1.000	0.000	0.0	0	0.00	14.95-14.95
8	S	Aromatic F	-1.000	0.000	0.0	0	0.00	15.53-15.53
9	S	Aromatic G	-1.000	0.000	0.0	0	0.00	17.31-17.31
10		Pentane	100.000	97.418	2.6	95	0.00	6.85- 7.05
11		2-Methylpentane	100.000	93.946	6.1	93	0.00	8.18- 8.38

Initial Calibration Verification

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample: G1S315-ICV315
Lab FileID: 1S7997.D

12		Methyl Tert Butyl Ethe	100.000	96.256	3.7	95	0.00	8.50- 8.90
13		2,2,4-Trimethylpentane	100.000	98.235	1.8	91	0.00	10.63-10.83
14		Benzene	100.000	96.917	3.1	95	0.00	11.09-11.29
15		Toluene	100.000	96.964	3.0	95	0.00	13.03-13.23
16		Nonane	100.000	92.789	7.2	92	0.00	14.33-14.53
17		Ethylbenzene	100.000	96.553	3.4	96	0.00	14.76-14.96
18		m,p-Xylene	200.000	192.289	3.9	95	0.00	14.85-15.05
19		o-Xylene	100.000	96.637	3.4	95	0.00	15.43-15.63
20	S	BFB	100.000	86.792	13.2	86	0.00	16.25-16.45
21		Decane	100.000	94.374	5.6	94	0.00	16.03-16.23
22		1,2,4-Trimethylbenzene	100.000	88.459	11.5	89	0.00	17.21-17.41
23		Butylcyclohexane	100.000	92.476	7.5	93	0.00	17.33-17.53
24		Naphthalene	100.000	92.761	7.2	96	0.00	21.95-22.15
25	H	C9- C10 Aromatics (una	-1.000	0.000	0.0	0	0.00	15.60-21.90
26	H	C5- C8 Aliphatics (una	300.000	286.664	4.4	92	0.00	6.77-14.11
27	H	C9- C12 Aliphatics (ra	300.000	283.807	5.4	95	0.00	14.30-21.94

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1S7993.d VPH_09-16-21.M Fri Sep 17 07:20:19 2021

7.7.2

7

Continuing Calibration Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample: G1S318-CC315
Lab FileID: 1S8023.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\20...2\1S8023.d\CPDET1B.ch Vial: 2
Signal #2 : C:\msdchem\1\data\2021-09-22\1S8023.d\FID2A.ch
Acq On : 22 Sep 2021 9:11 am Operator: charleng
Sample : CC315-4 Inst : GCVOA13
Misc : GC23398,G1S318,,,,, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\msdchem\1\methods\VPH_09-16-21.M (ChemStation Integrator)
Title : Mass. DEP VPH
Last Update : Thu Sep 16 15:04:21 2021
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	S	Alkane A	-1.000	0.000	0.0	0	0.00	16.12-16.12
2	S	Alkane B	-1.000	0.000	0.0	0	0.00	17.31-17.31
3	S	Aromatic A		----------NA----------				
4	S	Aromatic B		----------NA----------				
5	S	Aromatic C		----------NA----------				
6	S	Aromatic D		----------NA----------				
7	S	Aromatic E		----------NA----------				
8	S	Aromatic F		----------NA----------				
9	S	Aromatic G		----------NA----------				
10		Pentane	-1.000	0.000	0.0	0	0.00	6.85- 7.05
11		2-Methylpentane	-1.000	0.000	0.0	0	0.00	8.18- 8.38
12		Methyl Tert Butyl Ethe	100.000	94.124	5.9	93	0.00	8.50- 8.90
13		2,2,4-Trimethylpentane	-1.000	0.000	0.0	0	0.00	10.63-10.83
14		Benzene	100.000	99.603	0.4	98	0.00	11.09-11.29
15		Toluene	100.000	99.924	0.1	98	0.00	13.03-13.23
16		Nonane	-1.000	0.000	0.0	0	0.00	14.33-14.53
17		Ethylbenzene	100.000	99.019	1.0	97	0.00	14.76-14.96
18		m,p-Xylene	200.000	202.042	-1.0	98	0.00	14.85-15.05
19		o-Xylene	100.000	98.406	1.6	97	0.00	15.43-15.63
20	S	BFB	100.000	96.545	3.5	95	0.00	16.25-16.45
21		Decane	-1.000	0.000	0.0	0	0.00	16.02-16.23
22		1,2,4-Trimethylbenzene	100.000	95.019	5.0	95	0.00	17.21-17.41
23		Butylcyclohexane	-1.000	0.000	0.0	0	0.00	17.33-17.53
24		Naphthalene	100.000	92.459	7.5	96	0.00	21.95-22.15
25	H	C9- C10 Aromatics (una	100.000	95.030	5.0	96	0.00	15.80-21.80
26	H	C5- C8 Aliphatics (una	-1.000	0.000	0.0	0	0.00	6.70-14.30
27	H	C9- C12 Aliphatics (ra	-1.000	0.000	0.0	0	0.00	14.30-21.90

***** Signal #2 *****

1	S	Alkane A		----------NA----------				
2	S	Alkane B		----------NA----------				
3	S	Aromatic A	-1.000	0.000	0.0	0	0.00	8.70- 8.70
4	S	Aromatic B	-1.000	0.000	0.0	0	0.00	11.19-11.19
5	S	Aromatic C	-1.000	0.000	0.0	0	0.00	13.13-13.13
6	S	Aromatic D	-1.000	0.000	0.0	0	0.00	14.86-14.86
7	S	Aromatic E	-1.000	0.000	0.0	0	0.00	14.95-14.95
8	S	Aromatic F	-1.000	0.000	0.0	0	0.00	15.53-15.53
9	S	Aromatic G	-1.000	0.000	0.0	0	0.00	17.31-17.31
10		Pentane	100.000	89.647	10.4	88	0.00	6.85- 7.05
11		2-Methylpentane	100.000	92.172	7.8	91	0.00	8.18- 8.38

Continuing Calibration Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample: G1S318-CC315
Lab FileID: 1S8023.D

12		Methyl Tert Butyl Ethe	100.000	89.296	10.7	88	0.00	8.50- 8.90
13		2,2,4-Trimethylpentane	100.000	96.280	3.7	90	0.00	10.63-10.83
14		Benzene	100.000	92.684	7.3	91	0.00	11.09-11.29
15		Toluene	100.000	92.910	7.1	91	0.00	13.03-13.23
16		Nonane	100.000	92.820	7.2	92	0.00	14.33-14.53
17		Ethylbenzene	100.000	91.866	8.1	91	0.00	14.76-14.96
18		m,p-Xylene	200.000	183.686	8.2	91	0.00	14.85-15.05
19		o-Xylene	100.000	91.300	8.7	90	0.00	15.43-15.63
20	S	BFB	100.000	88.827	11.2	89	0.00	16.25-16.45
21		Decane	100.000	92.504	7.5	92	0.00	16.03-16.23
22		1,2,4-Trimethylbenzene	100.000	88.686	11.3	89	0.00	17.21-17.41
23		Butylcyclohexane	100.000	90.825	9.2	92	0.00	17.33-17.53
24		Naphthalene	100.000	86.227	13.8	89	0.00	21.95-22.15
25	H	C9- C10 Aromatics (una	-1.000	0.000	0.0	0	0.00	15.60-21.90
26	H	C5- C8 Aliphatics (una	300.000	271.641	9.5	87	0.00	6.77-14.11
27	H	C9- C12 Aliphatics (ra	300.000	274.363	8.5	91	0.00	14.30-21.94

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1S7993.d VPH_09-16-21.M Wed Sep 22 13:14:15 2021

7.7.3

Continuing Calibration Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample: G1S318-CC315
Lab FileID: 1S8035.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\20...2\1S8035.d\CPDET1B.ch Vial: 14
Signal #2 : C:\msdchem\1\data\2021-09-22\1S8035.d\FID2A.ch
Acq On : 22 Sep 2021 3:19 pm Operator: charleng
Sample : CC315-4 Inst : GCVOA13
Misc : GC23414,G1S318,,,,, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\msdchem\1\methods\VPH_09-16-21.M (ChemStation Integrator)
Title : Mass. DEP VPH
Last Update : Thu Sep 16 15:04:21 2021
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	S	Alkane A	-1.000	0.000	0.0	0	0.00	16.12-16.12
2	S	Alkane B	-1.000	0.000	0.0	0	0.00	17.31-17.31
3	S	Aromatic A		----------NA----------				
4	S	Aromatic B		----------NA----------				
5	S	Aromatic C		----------NA----------				
6	S	Aromatic D		----------NA----------				
7	S	Aromatic E		----------NA----------				
8	S	Aromatic F		----------NA----------				
9	S	Aromatic G		----------NA----------				
10		Pentane	-1.000	0.000	0.0	0	0.00	6.85- 7.05
11		2-Methylpentane	-1.000	0.000	0.0	0	0.00	8.18- 8.38
12		Methyl Tert Butyl Ethe	100.000	100.149	-0.1	99	0.00	8.50- 8.90
13		2,2,4-Trimethylpentane	-1.000	0.000	0.0	0	0.00	10.63-10.83
14		Benzene	100.000	98.665	1.3	97	0.00	11.09-11.29
15		Toluene	100.000	99.265	0.7	97	0.00	13.03-13.23
16		Nonane	-1.000	0.000	0.0	0	0.00	14.33-14.53
17		Ethylbenzene	100.000	100.138	-0.1	99	0.00	14.76-14.96
18		m,p-Xylene	200.000	203.132	-1.6	98	0.00	14.85-15.05
19		o-Xylene	100.000	99.575	0.4	98	0.00	15.43-15.63
20	S	BFB	100.000	98.339	1.7	97	0.00	16.25-16.45
21		Decane	-1.000	0.000	0.0	0	0.00	16.02-16.23
22		1,2,4-Trimethylbenzene	100.000	94.671	5.3	95	0.00	17.21-17.41
23		Butylcyclohexane	-1.000	0.000	0.0	0	0.00	17.33-17.53
24		Naphthalene	100.000	98.656	1.3	103	0.00	21.95-22.15
25	H	C9- C10 Aromatics (una	100.000	94.264	5.7	95	0.00	15.80-21.80
26	H	C5- C8 Aliphatics (una	-1.000	0.000	0.0	0	0.00	6.70-14.30
27	H	C9- C12 Aliphatics (ra	-1.000	0.000	0.0	0	0.00	14.30-21.90

***** Signal #2 *****

1	S	Alkane A		----------NA----------				
2	S	Alkane B		----------NA----------				
3	S	Aromatic A	-1.000	0.000	0.0	0	0.00	8.70- 8.70
4	S	Aromatic B	-1.000	0.000	0.0	0	0.00	11.19-11.19
5	S	Aromatic C	-1.000	0.000	0.0	0	0.00	13.13-13.13
6	S	Aromatic D	-1.000	0.000	0.0	0	0.00	14.86-14.86
7	S	Aromatic E	-1.000	0.000	0.0	0	0.00	14.95-14.95
8	S	Aromatic F	-1.000	0.000	0.0	0	0.00	15.53-15.53
9	S	Aromatic G	-1.000	0.000	0.0	0	0.00	17.31-17.31
10		Pentane	100.000	88.800	11.2	87	0.00	6.85- 7.05
11		2-Methylpentane	100.000	91.308	8.7	90	0.00	8.18- 8.38

Continuing Calibration Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample: G1S318-CC315
Lab FileID: 1S8035.D

12		Methyl Tert Butyl Ethe	100.000	94.439	5.6	94	0.00	8.50- 8.90
13		2,2,4-Trimethylpentane	100.000	95.867	4.1	89	0.00	10.63-10.83
14		Benzene	100.000	91.467	8.5	90	0.00	11.09-11.29
15		Toluene	100.000	92.009	8.0	90	0.00	13.03-13.23
16		Nonane	100.000	93.364	6.6	92	0.00	14.33-14.53
17		Ethylbenzene	100.000	92.607	7.4	92	0.00	14.76-14.96
18		m,p-Xylene	200.000	185.322	7.3	91	0.00	14.85-15.05
19		o-Xylene	100.000	92.150	7.8	91	0.00	15.43-15.63
20	S	BFB	100.000	90.306	9.7	90	0.00	16.25-16.45
21		Decane	100.000	92.571	7.4	92	0.00	16.03-16.23
22		1,2,4-Trimethylbenzene	100.000	88.090	11.9	88	0.00	17.21-17.41
23		Butylcyclohexane	100.000	89.131	10.9	90	0.00	17.33-17.53
24		Naphthalene	100.000	92.228	7.8	95	0.00	21.95-22.15
25	H	C9- C10 Aromatics (una	-1.000	0.000	0.0	0	0.00	15.60-21.90
26	H	C5- C8 Aliphatics (una	300.000	270.213	9.9	87	0.00	6.77-14.11
27	H	C9- C12 Aliphatics (ra	300.000	276.262	7.9	92	0.00	14.30-21.94

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1S7993.d VPH_09-16-21.M Thu Sep 23 09:01:07 2021

7.7.4

7

Continuing Calibration Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample: G1S318-CC315
Lab FileID: 1S8043.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\20...2\1S8043.d\CPDET1B.ch Vial: 22
Signal #2 : C:\msdchem\1\data\2021-09-22\1S8043.d\FID2A.ch
Acq On : 22 Sep 2021 7:06 pm Operator: charleng
Sample : CC315-4 Inst : GCVOA13
Misc : GC23414,G1S318,,,,, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\msdchem\1\methods\VPH_09-16-21.M (ChemStation Integrator)
Title : Mass. DEP VPH
Last Update : Thu Sep 16 15:04:21 2021
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	S	Alkane A	-1.000	0.000	0.0	0	0.00	16.12-16.12
2	S	Alkane B	-1.000	0.000	0.0	0	0.00	17.31-17.31
3	S	Aromatic A		----------NA----------				
4	S	Aromatic B		----------NA----------				
5	S	Aromatic C		----------NA----------				
6	S	Aromatic D		----------NA----------				
7	S	Aromatic E		----------NA----------				
8	S	Aromatic F		----------NA----------				
9	S	Aromatic G		----------NA----------				
10		Pentane	-1.000	0.000	0.0	0	0.00	6.85- 7.05
11		2-Methylpentane	-1.000	0.000	0.0	0	0.00	8.18- 8.38
12		Methyl Tert Butyl Ethe	100.000	107.372	-7.4	106	0.00	8.50- 8.90
13		2,2,4-Trimethylpentane	-1.000	0.000	0.0	0	0.00	10.63-10.83
14		Benzene	100.000	103.086	-3.1	101	0.00	11.09-11.29
15		Toluene	100.000	103.274	-3.3	101	0.00	13.03-13.23
16		Nonane	-1.000	0.000	0.0	0	0.00	14.33-14.53
17		Ethylbenzene	100.000	102.790	-2.8	101	0.00	14.76-14.96
18		m,p-Xylene	200.000	209.133	-4.6	101	0.00	14.85-15.05
19		o-Xylene	100.000	102.878	-2.9	101	0.00	15.43-15.63
20	S	BFB	100.000	102.099	-2.1	101	0.00	16.25-16.45
21		Decane	-1.000	0.000	0.0	0	0.00	16.02-16.23
22		1,2,4-Trimethylbenzene	100.000	100.023	-0.0	100	0.00	17.21-17.41
23		Butylcyclohexane	-1.000	0.000	0.0	0	0.00	17.33-17.53
24		Naphthalene	100.000	102.580	-2.6	107	0.00	21.95-22.15
25	H	C9- C10 Aromatics (una	100.000	99.848	0.2	100	0.00	15.80-21.80
26	H	C5- C8 Aliphatics (una	-1.000	0.000	0.0	0	0.00	6.70-14.30
27	H	C9- C12 Aliphatics (ra	-1.000	0.000	0.0	0	0.00	14.30-21.90

***** Signal #2 *****

1	S	Alkane A		----------NA----------				
2	S	Alkane B		----------NA----------				
3	S	Aromatic A	-1.000	0.000	0.0	0	0.00	8.70- 8.70
4	S	Aromatic B	-1.000	0.000	0.0	0	0.00	11.19-11.19
5	S	Aromatic C	-1.000	0.000	0.0	0	0.00	13.13-13.13
6	S	Aromatic D	-1.000	0.000	0.0	0	0.00	14.86-14.86
7	S	Aromatic E	-1.000	0.000	0.0	0	0.00	14.95-14.95
8	S	Aromatic F	-1.000	0.000	0.0	0	0.00	15.53-15.53
9	S	Aromatic G	-1.000	0.000	0.0	0	0.00	17.31-17.31
10		Pentane	100.000	94.404	5.6	92	0.00	6.85- 7.05
11		2-Methylpentane	100.000	96.876	3.1	96	0.00	8.18- 8.38

Continuing Calibration Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample: G1S318-CC315
Lab FileID: 1S8043.D

12		Methyl Tert Butyl Ethe	100.000	102.743	-2.7	102	0.00	8.50- 8.90
13		2,2,4-Trimethylpentane	100.000	103.075	-3.1	96	0.00	10.63-10.83
14		Benzene	100.000	96.907	3.1	95	0.00	11.09-11.29
15		Toluene	100.000	96.981	3.0	95	0.00	13.03-13.23
16		Nonane	100.000	97.129	2.9	96	0.00	14.33-14.53
17		Ethylbenzene	100.000	96.418	3.6	95	0.00	14.76-14.96
18		m,p-Xylene	200.000	192.927	3.5	95	0.00	14.85-15.05
19		o-Xylene	100.000	96.353	3.6	95	0.00	15.43-15.63
20	S	BFB	100.000	95.033	5.0	95	0.00	16.25-16.45
21		Decane	100.000	96.523	3.5	96	0.00	16.03-16.23
22		1,2,4-Trimethylbenzene	100.000	94.160	5.8	94	0.00	17.21-17.41
23		Butylcyclohexane	100.000	95.891	4.1	97	0.00	17.33-17.53
24		Naphthalene	100.000	96.244	3.8	100	0.00	21.95-22.15
25	H	C9- C10 Aromatics (una	-1.000	0.000	0.0	0	0.00	15.60-21.90
26	H	C5- C8 Aliphatics (una	300.000	288.399	3.9	92	0.00	6.77-14.11
27	H	C9- C12 Aliphatics (ra	300.000	288.884	3.7	96	0.00	14.30-21.94

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1S7993.d VPH_09-16-21.M Thu Sep 23 09:01:11 2021

7.7.5

Continuing Calibration Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample: G1S318-CC315
Lab FileID: 1S8053.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\20...2\1S8053.d\CPDET1B.ch Vial: 32
Signal #2 : C:\msdchem\1\data\2021-09-22\1S8053.d\FID2A.ch
Acq On : 22 Sep 2021 11:49 pm Operator: charleng
Sample : CC315-4 Inst : GCVOA13
Misc : GC23414,G1S318,,,,, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\msdchem\1\methods\VPH_09-16-21.M (ChemStation Integrator)
Title : Mass. DEP VPH
Last Update : Thu Sep 16 15:04:21 2021
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	S	Alkane A	-1.000	0.000	0.0	0	0.00	16.12-16.12
2	S	Alkane B	-1.000	0.000	0.0	0	0.00	17.31-17.31
3	S	Aromatic A		----------NA----------				
4	S	Aromatic B		----------NA----------				
5	S	Aromatic C		----------NA----------				
6	S	Aromatic D		----------NA----------				
7	S	Aromatic E		----------NA----------				
8	S	Aromatic F		----------NA----------				
9	S	Aromatic G		----------NA----------				
10		Pentane	-1.000	0.000	0.0	0	0.00	6.85- 7.05
11		2-Methylpentane	-1.000	0.000	0.0	0	0.00	8.18- 8.38
12		Methyl Tert Butyl Ethe	100.000	106.306	-6.3	105	0.00	8.50- 8.90
13		2,2,4-Trimethylpentane	-1.000	0.000	0.0	0	0.00	10.63-10.83
14		Benzene	100.000	100.805	-0.8	99	0.00	11.09-11.29
15		Toluene	100.000	100.850	-0.8	98	0.00	13.03-13.23
16		Nonane	-1.000	0.000	0.0	0	0.00	14.33-14.53
17		Ethylbenzene	100.000	100.580	-0.6	99	0.00	14.76-14.96
18		m,p-Xylene	200.000	203.718	-1.9	98	0.00	14.85-15.05
19		o-Xylene	100.000	100.970	-1.0	99	0.00	15.43-15.63
20	S	BFB	100.000	99.152	0.8	98	0.00	16.25-16.45
21		Decane	-1.000	0.000	0.0	0	0.00	16.02-16.23
22		1,2,4-Trimethylbenzene	100.000	96.406	3.6	97	0.00	17.21-17.41
23		Butylcyclohexane	-1.000	0.000	0.0	0	0.00	17.33-17.53
24		Naphthalene	100.000	101.931	-1.9	106	0.00	21.95-22.15
25	H	C9- C10 Aromatics (una	100.000	96.618	3.4	97	0.00	15.80-21.80
26	H	C5- C8 Aliphatics (una	-1.000	0.000	0.0	0	0.00	6.70-14.30
27	H	C9- C12 Aliphatics (ra	-1.000	0.000	0.0	0	0.00	14.30-21.90

***** Signal #2 *****

1	S	Alkane A		----------NA----------				
2	S	Alkane B		----------NA----------				
3	S	Aromatic A	-1.000	0.000	0.0	0	0.00	8.70- 8.70
4	S	Aromatic B	-1.000	0.000	0.0	0	0.00	11.19-11.19
5	S	Aromatic C	-1.000	0.000	0.0	0	0.00	13.13-13.13
6	S	Aromatic D	-1.000	0.000	0.0	0	0.00	14.86-14.86
7	S	Aromatic E	-1.000	0.000	0.0	0	0.00	14.95-14.95
8	S	Aromatic F	-1.000	0.000	0.0	0	0.00	15.53-15.53
9	S	Aromatic G	-1.000	0.000	0.0	0	0.00	17.31-17.31
10		Pentane	100.000	93.174	6.8	91	0.00	6.85- 7.05
11		2-Methylpentane	100.000	94.870	5.1	94	0.00	8.18- 8.38

Continuing Calibration Summary

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Sample: G1S318-CC315
Lab FileID: 1S8053.D

12		Methyl Tert Butyl Ethe	100.000	100.747	-0.7	100	0.00	8.50- 8.90
13		2,2,4-Trimethylpentane	100.000	101.856	-1.9	95	0.00	10.63-10.83
14		Benzene	100.000	94.092	5.9	93	0.00	11.09-11.29
15		Toluene	100.000	93.826	6.2	92	0.00	13.03-13.23
16		Nonane	100.000	92.920	7.1	92	0.00	14.33-14.53
17		Ethylbenzene	100.000	93.475	6.5	93	0.00	14.76-14.96
18		m,p-Xylene	200.000	186.350	6.8	92	0.00	14.85-15.05
19		o-Xylene	100.000	93.998	6.0	93	0.00	15.43-15.63
20	S	BFB	100.000	91.691	8.3	91	0.00	16.25-16.45
21		Decane	100.000	91.360	8.6	91	0.00	16.03-16.23
22		1,2,4-Trimethylbenzene	100.000	90.110	9.9	90	0.00	17.21-17.41
23		Butylcyclohexane	100.000	92.486	7.5	93	0.00	17.33-17.53
24		Naphthalene	100.000	95.975	4.0	99	0.00	21.95-22.15
25	H	C9- C10 Aromatics (una	-1.000	0.000	0.0	0	0.00	15.60-21.90
26	H	C5- C8 Aliphatics (una	300.000	282.896	5.7	91	0.00	6.77-14.11
27	H	C9- C12 Aliphatics (ra	300.000	278.779	7.1	93	0.00	14.30-21.94

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1S7993.d VPH_09-16-21.M Thu Sep 23 09:01:14 2021

7.7.6

7

Run Sequence Report

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Run ID: G1S315 **Method:** MADEP VPH REV 2.1 **Instrument ID:** GC1S

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G1S315-IC315	1S7990.D	09/16/21 12:14	n/a	Initial cal 1
G1S315-IC315	1S7991.D	09/16/21 12:43	n/a	Initial cal 2
G1S315-IC315	1S7992.D	09/16/21 13:11	n/a	Initial cal 3
G1S315-ICC315	1S7993.D	09/16/21 13:40	n/a	Initial cal 4
G1S315-IC315	1S7994.D	09/16/21 14:08	n/a	Initial cal 5
G1S315-IC315	1S7995.D	09/16/21 14:36	n/a	Initial cal 6
G1S315-ICV315	1S7997.D	09/16/21 15:33	n/a	Initial cal verification 4

Run Sequence Report

Job Number: FA89164
Account: URSNCM AECOM, INC.
Project: CPC Huntersville, NC

Run ID: G1S318 **Method:** MADEP VPH REV 2.1 **Instrument ID:** GC1S

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G1S318-CC315	1S8023.D	09/22/21 09:11	n/a	Continuing cal 4
G1S318-BS	1S8024.D	09/22/21 09:39	n/a	Blank Spike
G1S318-BSD	1S8025.D	09/22/21 10:07	n/a	Blank Spike Duplicate
ZZZZZZ	1S8027.D	09/22/21 11:03	n/a	(unrelated sample)
ZZZZZZ	1S8028.D	09/22/21 11:31	n/a	(unrelated sample)
JD31646-3	1S8030.D	09/22/21 12:28	n/a	(used for QC only; not part of job FA89164)
ZZZZZZ	1S8031.D	09/22/21 12:56	n/a	(unrelated sample)
JD31646-3DUP	1S8033.D	09/22/21 13:53	n/a	Duplicate
G1S318-CC315	1S8035.D	09/22/21 15:19	n/a	Continuing cal 4
G1S318-MB	1S8036.D	09/22/21 15:47	n/a	Method Blank
ZZZZZZ	1S8038.D	09/22/21 16:44	n/a	(unrelated sample)
ZZZZZZ	1S8039.D	09/22/21 17:13	n/a	(unrelated sample)
ZZZZZZ	1S8040.D	09/22/21 17:41	n/a	(unrelated sample)
FA89164-1	1S8041.D	09/22/21 18:10	n/a	MW-94
ZZZZZZ	1S8042.D	09/22/21 18:38	n/a	(unrelated sample)
G1S318-CC315	1S8043.D	09/22/21 19:06	n/a	Continuing cal 4
ZZZZZZ	1S8045.D	09/22/21 20:03	n/a	(unrelated sample)
ZZZZZZ	1S8046.D	09/22/21 20:31	n/a	(unrelated sample)
ZZZZZZ	1S8047.D	09/22/21 21:00	n/a	(unrelated sample)
FA88885-2	1S8048.D	09/22/21 21:28	n/a	(used for QC only; not part of job FA89164)
ZZZZZZ	1S8049.D	09/22/21 21:56	n/a	(unrelated sample)
ZZZZZZ	1S8050.D	09/22/21 22:25	n/a	(unrelated sample)
FA88885-2MS	1S8051.D	09/22/21 22:53	n/a	Matrix Spike
FA88885-2MSD	1S8052.D	09/22/21 23:21	n/a	Matrix Spike Duplicate
G1S318-CC315	1S8053.D	09/22/21 23:49	n/a	Continuing cal 4
ZZZZZZ	1S8055.D	09/23/21 00:46	n/a	(unrelated sample)
ZZZZZZ	1S8056.D	09/23/21 01:14	n/a	(unrelated sample)
ZZZZZZ	1S8057.D	09/23/21 01:42	n/a	(unrelated sample)
ZZZZZZ	1S8058.D	09/23/21 02:10	n/a	(unrelated sample)
ZZZZZZ	1S8059.D	09/23/21 02:39	n/a	(unrelated sample)
ZZZZZZ	1S8060.D	09/23/21 03:07	n/a	(unrelated sample)
G1S318-ECC315	1S8061.D	09/23/21 03:35	n/a	Ending cal 4

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA89164
Account: URSNCM - AECOM, INC.
Project: CPC Huntersville, NC

File ID: SB092221M2.ICP Date Analyzed: 09/22/21 Methods: SW846 6010D
Analyst: LM Run ID: MA18055
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:43	MA18055-STD1	1		STDA
09:48	MA18055-STD2	1		STDC
09:52	MA18055-STD3	1		STDD
09:55	MA18055-STD4	1		STDE
09:59	MA18055-STD5	1		STDF
10:03	MA18055-STD6	1		STDG
10:11	MA18055-STD7	1		STDB
10:19	MA18055-HSTD1	1		
10:27	MA18055-ICV1	1		
10:38	MA18055-ICB1	1		
10:42	MA18055-CRIA1	1		
10:50	MA18055-ICSA1	1		
10:59	MA18055-ICSAB1	1		
11:08	MA18055-CCV1	1		
11:15	MA18055-CCB1	1		
16:40	MA18055-CCV2	1		
16:45	MA18055-CCB2	1		
17:04	MP39580-MB1	1		
17:09	MP39580-B1	1		
17:14	FA88792-1	1		(sample used for QC only; not part of login FA89164)
17:19	MP39580-D1	1		
17:24	MP39580-SD1	5		
17:29	MP39580-S1	1		
17:33	MP39580-S2	1		
17:38	MA18055-CCV3	1		
17:43	MA18055-CCB3	1		
17:47	ZZZZZZ	1		
17:53	MP39582-MB1	1		
17:57	MP39582-B1	1		
18:02	FA89164-1	1		
18:07	MP39582-D1	1		
18:12	MP39582-SD1	5		
18:17	MP39582-PS1	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA89164
Account: URSNCM - AECOM, INC.
Project: CPC Huntersville, NC

File ID: SB092221M2.ICP Date Analyzed: 09/22/21 Methods: SW846 6010D
Analyst: LM Run ID: MA18055
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:21	MP39582-S1	1		
18:26	MP39582-S2	1		
---------->	Last reportable sample/prep for job FA89164			
18:30	MA18055-CRIA2	1		
18:35	MA18055-CCV4	1		
18:40	MA18055-CCB4	1		
18:45	MA18055-ICSA2	1		
18:50	MA18055-ICSAB2	1		
18:55	MA18055-CCV5	1		
18:59	MA18055-CCB5	1		
---------->	Last reportable CCB for job FA89164			
	Refer to raw data for calibration curve and standards.			

REPORTED ELEMENTS SUMMARY

Login Number: FA89164
Account: URSNCM - AECOM, INC.
Project: CPC Huntersville, NC

File ID: SB092221M2.ICP Date Analyzed: 09/22/21 Methods: SW846 6010D
Analyst: LM Run ID: MA18055
Parameters: Pb

Time	Sample Description	Element: Dilution	Pb	
10:19	MA18055-HSTD1	1	X	
10:27	MA18055-ICV1	1	X	
10:38	MA18055-ICB1	1	X	
10:42	MA18055-CRIA1	1	X	
10:50	MA18055-ICSA1	1	X	
10:59	MA18055-ICSAB1	1	X	
11:08	MA18055-CCV1	1	X	
11:15	MA18055-CCB1	1	X	
16:40	MA18055-CCV2	1	X	
16:45	MA18055-CCB2	1	X	
17:04	MP39580-MB1	1	X	
17:09	MP39580-B1	1	X	
17:14	FA88792-1	1	X	(a)
17:19	MP39580-D1	1	X	
17:24	MP39580-SD1	5	X	
17:29	MP39580-S1	1	X	
17:33	MP39580-S2	1	X	
17:38	MA18055-CCV3	1	X	
17:43	MA18055-CCB3	1	X	
17:47	ZZZZZZ	1		
17:53	MP39582-MB1	1	X	
17:57	MP39582-B1	1	X	
18:02	FA89164-1	1	X	
18:07	MP39582-D1	1	X	
18:12	MP39582-SD1	5	X	
18:17	MP39582-PS1	1	X	
18:21	MP39582-S1	1	X	
18:26	MP39582-S2	1	X	
18:30	MA18055-CRIA2	1	X	
18:35	MA18055-CCV4	1	X	
18:40	MA18055-CCB4	1	X	
18:45	MA18055-ICSA2	1	X	
18:50	MA18055-ICSAB2	1	X	
		Element:	Pb	

REPORTED ELEMENTS SUMMARY

Login Number: FA89164
Account: URSNCM - AECOM, INC.
Project: CPC Huntersville, NC

File ID: SB092221M2.ICP Date Analyzed: 09/22/21 Methods: SW846 6010D
Analyst: LM Run ID: MA18055
Parameters: Pb

Time	Sample Description	Dilution	Element: P b
18:55	MA18055-CCV5	1	X
18:59	MA18055-CCB5	1	X

(a) Sample used for QC only; not part of login FA89164.

Element: P
b

INTERNAL STANDARD SUMMARY

Login Number: FA89164
Account: URSNCM - AECOM, INC.
Project: CPC Huntersville, NC

File ID: SB092221M2.ICP Date Analyzed: 09/22/21 Methods: SW846 6010D
Analyst: LM Run ID: MA18055
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:43	MA18055-STD1	4136	39948	9185	1528
09:48	MA18055-STD2	4040	38701	8980	1465
09:52	MA18055-STD3	4068	38962	9303	1439
09:55	MA18055-STD4	3943	37521	9084	1373
09:59	MA18055-STD5	3906	37407	9247	1323
10:03	MA18055-STD6	3767	36510	9222	1248
10:11	MA18055-STD7	4146	39903	9415	1501
10:19	MA18055-HSTD1	3806	36637	9236	1263
10:27	MA18055-ICV1	3954	37820	9253	1343
10:38	MA18055-ICB1	4163 R	39742 R	9276 R	1537 R
10:42	MA18055-CRIA1	4154	39735	9480	1504
10:50	MA18055-ICSA1	3629	33707	9069	1183
10:59	MA18055-ICSAB1	3599	33551	9005	1173
11:08	MA18055-CCV1	3939	37261	9206	1335
11:15	MA18055-CCB1	4127	39206	9203	1524
16:40	MA18055-CCV2	3829	35429	9370	1308
16:45	MA18055-CCB2	4039	37678	9435	1500
17:04	MP39580-MB1	4077	38309	9633	1512
17:09	MP39580-B1	3921	36490	9566	1373
17:14	FA88792-1	3874	35899	9512	1356
17:19	MP39580-D1	3890	35767	9556	1361
17:24	MP39580-SD1	3970	36956	9377	1441
17:29	MP39580-S1	3849	35791	9531	1304
17:33	MP39580-S2	3858	35636	9591	1308
17:38	MA18055-CCV3	3835	35763	9269	1311
17:43	MA18055-CCB3	4037	37728	9404	1499
17:47	ZZZZZZ	3870	35678	9480	1362
17:53	MP39582-MB1	4063	37949	9483	1492
17:57	MP39582-B1	3924	36474	9444	1368
18:02	FA89164-1	4004	37175	9630	1426
18:07	MP39582-D1	4013	37139	9568	1431
18:12	MP39582-SD1	4083	37918	9552	1496
18:17	MP39582-PS1	3968	36533	9548	1392

INTERNAL STANDARD SUMMARY

Login Number: FA89164
Account: URSNCM - AECOM, INC.
Project: CPC Huntersville, NC

File ID: SB092221M2.ICP Date Analyzed: 09/22/21 Methods: SW846 6010D
Analyst: LM Run ID: MA18055
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:21	MP39582-S1	3912	36103	9460	1336
18:26	MP39582-S2	3913	35958	9462	1342
18:30	MA18055-CRIA2	4053	38018	9400	1480
18:35	MA18055-CCV4	3852	35598	9386	1316
18:40	MA18055-CCB4	4055	37522	9264	1507
18:45	MA18055-ICSA2	3515	31177	9078	1152
18:50	MA18055-ICSAB2	3495	31639	9048	1143
18:55	MA18055-CCV5	3846	35246	9266	1315
18:59	MA18055-CCB5	4049	37449	9323	1508

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA89164
Account: URSNCM - AECOM, INC.
Project: CPC Huntersville, NC

File ID: SB092221M2.ICP Date Analyzed: 09/22/21 Methods: SW846 6010D
QC Limits: result < RL Run ID: MA18055 Units: ug/l

Time: / Sample ID:			10:38 ICB1		11:15 CCB1		16:45 CCB2		17:43 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	14								
Antimony	6.0	1								
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2								
Cadmium	5.0	.2	anr							
Calcium	1000	50								
Chromium	10	1	anr							
Cobalt	50	.2								
Copper	25	1								
Iron	300	17								
Lead	5.0	1	0.600	<5.0	0.500	<5.0	0.200	<5.0	-0.100	<5.0
Magnesium	5000	35								
Manganese	15	.5								
Molybdenum	50	.3								
Nickel	40	.4								
Potassium	10000	200								
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500								
Strontium	10	.5								
Thallium	10	1.1								
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5								
Zinc	20	3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA89164
Account: URSNCM - AECOM, INC.
Project: CPC Huntersville, NC

File ID: SB092221M2.ICP Date Analyzed: 09/22/21 Methods: SW846 6010D
QC Limits: result < RL Run ID: MA18055 Units: ug/l

Time: / Sample ID: / Metal	RL	IDL	18:40 CCB4 raw	final	18:59 CCB5 raw	final
Aluminum	200	14				
Antimony	6.0	1				
Arsenic	10	1.3	anr			
Barium	200	1	anr			
Beryllium	4.0	.2				
Cadmium	5.0	.2	anr			
Calcium	1000	50				
Chromium	10	1	anr			
Cobalt	50	.2				
Copper	25	1				
Iron	300	17				
Lead	5.0	1	0.400	<5.0	0.400	<5.0
Magnesium	5000	35				
Manganese	15	.5				
Molybdenum	50	.3				
Nickel	40	.4				
Potassium	10000	200				
Selenium	10	2.4	anr			
Silver	10	.7	anr			
Sodium	10000	500				
Strontium	10	.5				
Thallium	10	1.1				
Tin	50	.9				
Titanium	10	.5				
Vanadium	50	.5				
Zinc	20	3				

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA89164
Account: URSNCM - AECOM, INC.
Project: CPC Huntersville, NC

File ID: SB092221M2.ICP Date Analyzed: 09/22/21 Methods: SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA18055 Units: ug/l

Time:		10:27			11:08			16:40	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper									
Iron									
Lead	2000	1990	99.5	2000	1980	99.0	2000	2000	100.0
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA89164
Account: URSNCM - AECOM, INC.
Project: CPC Huntersville, NC

File ID: SB092221M2.ICP Date Analyzed: 09/22/21 Methods: SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA18055 Units: ug/l

Time:		17:38			18:35			18:55	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper									
Iron									
Lead	2000	2010	100.5	2000	2010	100.5	2000	2010	100.5
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: FA89164
Account: URSNCM - AECOM, INC.
Project: CPC Huntersville, NC

File ID: SB092221M2.ICP Date Analyzed: 09/22/21 Methods: SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA18055 Units: ug/l

Time:		10:19	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum			
Antimony			
Arsenic	anr		
Barium	anr		
Beryllium			
Cadmium	anr		
Calcium			
Chromium	anr		
Cobalt			
Copper			
Iron			
Lead	4000	3940	98.5
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium	anr		
Silver	anr		
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA89164
Account: URSNCM - AECOM, INC.
Project: CPC Huntersville, NC

File ID: SB092221M2.ICP Date Analyzed: 09/22/21 Methods: SW846 6010D
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA18055 Units: ug/l

Time:			10:42		18:30	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200				
Antimony	10	5.0				
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0	anr			
Calcium	2000	1000				
Chromium	20	10	anr			
Cobalt	100	50				
Copper	50	25				
Iron	600	300				
Lead	10	5.0	5.50	110.0	4.80	96.0
Magnesium	10000	5000				
Manganese	30	15				
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000				
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000				
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20				

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA89164
Account: URSNCM - AECOM, INC.
Project: CPC Huntersville, NC

File ID: SB092221M2.ICP Date Analyzed: 09/22/21 Methods: SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA18055 Units: ug/l

Time:			10:50		10:59		18:45		18:50	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	480000	96.0	487000	97.4	479000	95.8	487000	97.4
Antimony		1000	-1.40		969	96.9	-3.20		950	95.0
Arsenic		1000	-0.400		1030	103.0	-0.700		999	99.9
Barium		500	0.200		479	95.8	0.00		483	96.6
Beryllium		500	0.00		482	96.4	0.00		469	93.8
Cadmium		1000	0.00		903	90.3	1.50		915	91.5
Calcium	500000	500000	454000	90.8	453000	90.6	452000	90.4	450000	90.0
Chromium		500	-0.200		471	94.2	0.200		472	94.4
Cobalt		500	-0.100		451	90.2	0.100		455	91.0
Copper		500	-1.40		526	105.2	-1.20		511	102.2
Iron	200000	200000	182000	91.0	187000	93.5	179000	89.5	184000	92.0
Lead		1000	-0.100		924	92.4	0.800		942	94.2
Magnesium	500000	500000	512000	102.4	525000	105.0	506000	101.2	506000	101.2
Manganese		500	0.300		499	99.8	0.500		483	96.6
Molybdenum		1000	0.100		891	89.1	0.400		885	88.5
Nickel		1000	0.00		912	91.2	-0.500		896	89.6
Potassium			21.5		41.6		35.1		73.5	
Selenium		1000	-0.200		919	91.9	-1.90		899	89.9
Silver		1000	-0.600		1080	108.0	-0.200		1090	109.0
Sodium			54.8		79.9		76.7		122	
Strontium		1000	-0.400		948	94.8	-0.400		922	92.2
Thallium		1000	-1.60		867	86.7	-1.80		875	87.5
Tin		1000	0.100		835	83.5	-0.500		862	86.2
Titanium		1000	-0.400		1060	106.0	-0.200		1040	104.0
Vanadium		500	-0.200		487	97.4	-0.300		492	98.4
Zinc		1000	1.70		922	92.2	2.20		933	93.3

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA89164
Account: URSNCM - AECOM, INC.
Project: CPC Huntersville, NC

QC Batch ID: MP39582
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 09/22/21

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	14	14		
Antimony	6.0	1	1		
Arsenic	10	1.3	1.3		
Barium	200	1	1		
Beryllium	4.0	.2	.2		
Cadmium	5.0	.2	.2		
Calcium	1000	50	50		
Chromium	10	1	1		
Cobalt	50	.2	.2		
Copper	25	1	1		
Iron	300	17	17		
Lead	5.0	1	1.1	0.60	<5.0
Magnesium	5000	35	35		
Manganese	15	.5	1		
Molybdenum	50	.3	.3		
Nickel	40	.4	.4		
Potassium	10000	200	200		
Selenium	10	2.4	2.9		
Silver	10	.7	.7		
Sodium	10000	500	500		
Strontium	10	.5	.5		
Thallium	10	1.1	1.4		
Tin	50	.9	1		
Titanium	10	.5	1		
Vanadium	50	.5	.6		
Zinc	20	3	4.4		

Associated samples MP39582: FA89164-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA89164
Account: URSNCM - AECOM, INC.
Project: CPC Huntersville, NC

QC Batch ID: MP39582
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date:			09/22/21					09/22/21	
Metal	FA89164-1 Original	DUP	RPD	QC Limits	FA89164-1 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	0.0	0.0	NC	0-20	0.0	487	500	97.4	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP39582: FA89164-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA89164
Account: URSNCM - AECOM, INC.
Project: CPC Huntersville, NC

QC Batch ID: MP39582 Methods: SW846 6010D
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 09/22/21

Metal	FA89164-1 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead	0.0	476	500	95.2	2.3	20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP39582: FA89164-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA89164
Account: URSNCM - AECOM, INC.
Project: CPC Huntersville, NC

QC Batch ID: MP39582
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 09/22/21

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	486	500	97.2	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP39582: FA89164-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA89164
Account: URSNCM - AECOM, INC.
Project: CPC Huntersville, NC

QC Batch ID: MP39582
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 09/22/21

Metal	FA89164-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	0.00	0.00	NC	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP39582: FA89164-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

POST DIGESTATE SPIKE SUMMARY

Login Number: FA89164
Account: URSNCM - AECOM, INC.
Project: CPC Huntersville, NC

QC Batch ID: MP39582
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 09/22/21

Metal	Sample ml	Final ml	FA89164-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead	9.8	10			47.1	0.2	2.5	50	94.2	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP39582: FA89164-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 01, 2021

Andrew Street
Apex Companies - NC
5900 Northwoods Business Pkwy
Suite 5900-0
Charlotte, NC 28269

RE: Project: 2020-L1-2448
Pace Project No.: 92562311

Dear Andrew Street:

Enclosed are the analytical results for sample(s) received by the laboratory on September 21, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Asheville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angela M. Baioni

Angela Baioni
angela.baioni@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: J Culbreath, Colonial Pipeline Company
Naomi Fretz, APEX Companies, LLC
Robert Hughes, Colonial Pipeline
Cameron Lee, Montrose-EPS
Jamie Moran, APEX Companies, LLC
Jeff Morrison, Colonial Pipeline Company
Tom Naumann, APEX Companies - NC
Joe Nicolette, Montrose-EPS
Kaitlyn Nootens, Apex Companies
Christopher Schultz, Apex Companies
Matt Teixeira, Apex Companies, LLC
Michael Verdon, Colonial Pipeline Company
JM Wyatt, Colonial Pipeline Company

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 2020-L1-2448
Pace Project No.: 92562311

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

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SAMPLE SUMMARY

Project: 2020-L1-2448
Pace Project No.: 92562311

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92562311001	**14226_HC_RD_20210921**	Water	09/21/21 11:12	09/21/21 11:45

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SAMPLE ANALYTE COUNT

Project: 2020-L1-2448
Pace Project No.: 92562311

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92562311001	**14226_HC_RD_20210921**	MADEP VPH	ACG	6	PAN
		EPA 6010D	RDT	1	PASI-A
		SM 6200B	JAH	66	PAN

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville

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ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92562311

Sample: 14226_HC_RD_20210921 **Lab ID: 92562311001** Collected: 09/21/21 11:12 Received: 09/21/21 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
MADEPV	Analytical Method: MADEP VPH Preparation Method: MADEPV Pace National - Mt. Juliet								
Aliphatic (C05-C08)	ND	ug/L	100	33.3	1	09/24/21 21:25	09/24/21 21:25		
Aliphatic (C09-C12)	ND	ug/L	100	33.3	1	09/24/21 21:25	09/24/21 21:25		
Aromatic (C09-C10),Unadjusted	ND	ug/L	100	33.3	1	09/24/21 21:25	09/24/21 21:25	TPHC9C10A	
Total VPH	ND	ug/L	100	33.3	1	09/24/21 21:25	09/24/21 21:25	VPH	
Surrogates									
2,5-Dibromotoluene (FID)	88.9	%	70.0-130		1	09/24/21 21:25	09/24/21 21:25	615-59-8FID	
2,5-Dibromotoluene (PID)	92.8	%	70.0-130		1	09/24/21 21:25	09/24/21 21:25	615-59-8PID	
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/22/21 01:56	09/22/21 18:21	7439-92-1	
VOA (GC/MS) 6200B-2011	Analytical Method: SM 6200B Preparation Method: 6200B-2011 Pace National - Mt. Juliet								
Acetone	ND	ug/L	50.0	11.3	1	09/25/21 19:03	09/25/21 19:03	67-64-1	
Acrolein	ND	ug/L	50.0	2.54	1	09/25/21 19:03	09/25/21 19:03	107-02-8	
Acrylonitrile	ND	ug/L	10.0	0.671	1	09/25/21 19:03	09/25/21 19:03	107-13-1	
Benzene	ND	ug/L	1.00	0.0941	1	09/25/21 19:03	09/25/21 19:03	71-43-2	
Bromobenzene	ND	ug/L	1.00	0.118	1	09/25/21 19:03	09/25/21 19:03	108-86-1	
Bromodichloromethane	ND	ug/L	1.00	0.136	1	09/25/21 19:03	09/25/21 19:03	75-27-4	
Bromoform	ND	ug/L	1.00	0.129	1	09/25/21 19:03	09/25/21 19:03	75-25-2	
Bromomethane	ND	ug/L	5.00	0.605	1	09/25/21 19:03	09/25/21 19:03	74-83-9	
n-Butylbenzene	ND	ug/L	1.00	0.157	1	09/25/21 19:03	09/25/21 19:03	104-51-8	
sec-Butylbenzene	ND	ug/L	1.00	0.125	1	09/25/21 19:03	09/25/21 19:03	135-98-8	
tert-Butylbenzene	ND	ug/L	1.00	0.127	1	09/25/21 19:03	09/25/21 19:03	98-06-6	
Carbon tetrachloride	ND	ug/L	1.00	0.128	1	09/25/21 19:03	09/25/21 19:03	56-23-5	
Chlorobenzene	ND	ug/L	1.00	0.116	1	09/25/21 19:03	09/25/21 19:03	108-90-7	
Dibromochloromethane	ND	ug/L	1.00	0.140	1	09/25/21 19:03	09/25/21 19:03	124-48-1	
Chloroethane	ND	ug/L	5.00	0.192	1	09/25/21 19:03	09/25/21 19:03	75-00-3	
Chloroform	**0.143J**	ug/L	5.00	0.111	1	09/25/21 19:03	09/25/21 19:03	67-66-3	J
Chloromethane	ND	ug/L	2.50	0.960	1	09/25/21 19:03	09/25/21 19:03	74-87-3	
2-Chlorotoluene	ND	ug/L	1.00	0.106	1	09/25/21 19:03	09/25/21 19:03	95-49-8	
4-Chlorotoluene	ND	ug/L	1.00	0.114	1	09/25/21 19:03	09/25/21 19:03	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.00	0.276	1	09/25/21 19:03	09/25/21 19:03	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.00	0.126	1	09/25/21 19:03	09/25/21 19:03	106-93-4	
Dibromomethane	ND	ug/L	1.00	0.122	1	09/25/21 19:03	09/25/21 19:03	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.00	0.107	1	09/25/21 19:03	09/25/21 19:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.00	0.110	1	09/25/21 19:03	09/25/21 19:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.00	0.120	1	09/25/21 19:03	09/25/21 19:03	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.00	0.374	1	09/25/21 19:03	09/25/21 19:03	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.00	0.100	1	09/25/21 19:03	09/25/21 19:03	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.00	0.0819	1	09/25/21 19:03	09/25/21 19:03	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.00	0.188	1	09/25/21 19:03	09/25/21 19:03	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.00	0.126	1	09/25/21 19:03	09/25/21 19:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.00	0.149	1	09/25/21 19:03	09/25/21 19:03	156-60-5	

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92562311

Sample: 14226_HC_RD_20210921 **Lab ID: 92562311001** Collected: 09/21/21 11:12 Received: 09/21/21 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC/MS) 6200B-2011	Analytical Method: SM 6200B Preparation Method: 6200B-2011 Pace National - Mt. Juliet								
1,2-Dichloropropane	ND	ug/L	1.00	0.149	1	09/25/21 19:03	09/25/21 19:03	78-87-5	
1,1-Dichloropropene	ND	ug/L	1.00	0.142	1	09/25/21 19:03	09/25/21 19:03	563-58-6	
1,3-Dichloropropane	ND	ug/L	1.00	0.110	1	09/25/21 19:03	09/25/21 19:03	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.00	0.161	1	09/25/21 19:03	09/25/21 19:03	594-20-7	
Diisopropyl ether	ND	ug/L	1.00	0.105	1	09/25/21 19:03	09/25/21 19:03	108-20-3	
Ethylbenzene	ND	ug/L	1.00	0.137	1	09/25/21 19:03	09/25/21 19:03	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.00	0.337	1	09/25/21 19:03	09/25/21 19:03	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.00	0.105	1	09/25/21 19:03	09/25/21 19:03	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.00	0.120	1	09/25/21 19:03	09/25/21 19:03	99-87-6	
2-Butanone (MEK)	ND	ug/L	10.0	1.19	1	09/25/21 19:03	09/25/21 19:03	78-93-3	
Methylene Chloride	ND	ug/L	5.00	0.430	1	09/25/21 19:03	09/25/21 19:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.478	1	09/25/21 19:03	09/25/21 19:03	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.00	0.101	1	09/25/21 19:03	09/25/21 19:03	1634-04-4	
Naphthalene	ND	ug/L	5.00	1.00	1	09/25/21 19:03	09/25/21 19:03	91-20-3	
n-Propylbenzene	ND	ug/L	1.00	0.0993	1	09/25/21 19:03	09/25/21 19:03	103-65-1	
Styrene	ND	ug/L	1.00	0.118	1	09/25/21 19:03	09/25/21 19:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.00	0.147	1	09/25/21 19:03	09/25/21 19:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.00	0.133	1	09/25/21 19:03	09/25/21 19:03	79-34-5	
Tetrachloroethene	ND	ug/L	1.00	0.300	1	09/25/21 19:03	09/25/21 19:03	127-18-4	
Toluene	ND	ug/L	1.00	0.278	1	09/25/21 19:03	09/25/21 19:03	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.00	0.230	1	09/25/21 19:03	09/25/21 19:03	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.00	0.481	1	09/25/21 19:03	09/25/21 19:03	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.00	0.149	1	09/25/21 19:03	09/25/21 19:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.00	0.158	1	09/25/21 19:03	09/25/21 19:03	79-00-5	
Trichloroethene	ND	ug/L	1.00	0.190	1	09/25/21 19:03	09/25/21 19:03	79-01-6	L0
Trichlorofluoromethane	ND	ug/L	5.00	0.160	1	09/25/21 19:03	09/25/21 19:03	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.50	0.237	1	09/25/21 19:03	09/25/21 19:03	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.00	0.322	1	09/25/21 19:03	09/25/21 19:03	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.00	0.104	1	09/25/21 19:03	09/25/21 19:03	108-67-8	
Vinyl chloride	ND	ug/L	1.00	0.234	1	09/25/21 19:03	09/25/21 19:03	75-01-4	
o-Xylene	ND	ug/L	1.00	0.174	1	09/25/21 19:03	09/25/21 19:03	95-47-6	
m&p-Xylene	ND	ug/L	2.00	0.430	1	09/25/21 19:03	09/25/21 19:03	179601-23-1	
Surrogates									
Toluene-d8 (S)	100	%	80.0-120		1	09/25/21 19:03	09/25/21 19:03	2037-26-5	
4-Bromofluorobenzene (S)	88.1	%	77.0-126		1	09/25/21 19:03	09/25/21 19:03	460-00-4	
1,2-Dichloroethane-d4 (S)	94.1	%	70.0-130		1	09/25/21 19:03	09/25/21 19:03	17060-07-0	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92562311

QC Batch: 1746068
QC Batch Method: MADEPV
Analysis Method: MADEP VPH
Analysis Description: MADEPV
Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 92562311001

METHOD BLANK: R3710049-3 Matrix: Water
Associated Lab Samples: 92562311001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (C05-C08)	ug/L	ND	100	33.3	09/24/21 16:25	
Aliphatic (C09-C12)	ug/L	ND	100	33.3	09/24/21 16:25	
Aromatic (C09-C10),Unadjusted	ug/L	ND	100	33.3	09/24/21 16:25	
Total VPH	ug/L	ND	100	33.3	09/24/21 16:25	
2,5-Dibromotoluene (FID)	%	79.1	70.0-130		09/24/21 16:25	
2,5-Dibromotoluene (PID)	%	81.3	70.0-130		09/24/21 16:25	

LABORATORY CONTROL SAMPLE & LCSD: R3710049-1 R3710049-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	ug/L	1200	1280	1280	107	107	70.0-130	0.00	25	
Aliphatic (C09-C12)	ug/L	1400	1260	1270	90.0	90.7	70.0-130	0.791	25	
Aromatic (C09-C10),Unadjusted	ug/L	200	220	217	110	108	70.0-130	1.37	25	
Total VPH	ug/L	2800	2760	2770	98.6	98.9	70.0-130	0.362	25	
2,5-Dibromotoluene (FID)	%				86.9	84.6	70.0-130			
2,5-Dibromotoluene (PID)	%				94.0	91.1	70.0-130			

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92562311

QC Batch: 648632
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92562311001

METHOD BLANK: 3402215 Matrix: Water
Associated Lab Samples: 92562311001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	4.5	09/22/21 16:52	

LABORATORY CONTROL SAMPLE: 3402216

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	499	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3402217 3402218

Parameter	Units	92562311001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	489	493	98	99	75-125	1	20	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92562311

QC Batch: 1746524
QC Batch Method: 6200B-2011
Analysis Method: SM 6200B
Analysis Description: VOA (GC/MS) 6200B-2011
Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 92562311001

METHOD BLANK: R3710916-2 Matrix: Water
Associated Lab Samples: 92562311001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acetone	ug/L	ND	50.0	11.3	09/25/21 09:56	
Acrolein	ug/L	ND	50.0	2.54	09/25/21 09:56	
Acrylonitrile	ug/L	ND	10.0	0.671	09/25/21 09:56	
Benzene	ug/L	ND	1.00	0.0941	09/25/21 09:56	
Bromobenzene	ug/L	ND	1.00	0.118	09/25/21 09:56	
Bromodichloromethane	ug/L	ND	1.00	0.136	09/25/21 09:56	
Bromoform	ug/L	ND	1.00	0.129	09/25/21 09:56	
Bromomethane	ug/L	ND	5.00	0.605	09/25/21 09:56	
n-Butylbenzene	ug/L	ND	1.00	0.157	09/25/21 09:56	
sec-Butylbenzene	ug/L	ND	1.00	0.125	09/25/21 09:56	
tert-Butylbenzene	ug/L	ND	1.00	0.127	09/25/21 09:56	
Carbon tetrachloride	ug/L	ND	1.00	0.128	09/25/21 09:56	
Chlorobenzene	ug/L	ND	1.00	0.116	09/25/21 09:56	
Dibromochloromethane	ug/L	ND	1.00	0.140	09/25/21 09:56	
Chloroethane	ug/L	ND	5.00	0.192	09/25/21 09:56	
Chloroform	ug/L	ND	5.00	0.111	09/25/21 09:56	
Chloromethane	ug/L	ND	2.50	0.960	09/25/21 09:56	
2-Chlorotoluene	ug/L	ND	1.00	0.106	09/25/21 09:56	
4-Chlorotoluene	ug/L	ND	1.00	0.114	09/25/21 09:56	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.00	0.276	09/25/21 09:56	
1,2-Dibromoethane (EDB)	ug/L	ND	1.00	0.126	09/25/21 09:56	
Dibromomethane	ug/L	ND	1.00	0.122	09/25/21 09:56	
1,2-Dichlorobenzene	ug/L	ND	1.00	0.107	09/25/21 09:56	
1,3-Dichlorobenzene	ug/L	ND	1.00	0.110	09/25/21 09:56	
1,4-Dichlorobenzene	ug/L	ND	1.00	0.120	09/25/21 09:56	
Dichlorodifluoromethane	ug/L	ND	5.00	0.374	09/25/21 09:56	
1,1-Dichloroethane	ug/L	ND	1.00	0.100	09/25/21 09:56	
1,2-Dichloroethane	ug/L	ND	1.00	0.0819	09/25/21 09:56	
1,1-Dichloroethene	ug/L	ND	1.00	0.188	09/25/21 09:56	
cis-1,2-Dichloroethene	ug/L	ND	1.00	0.126	09/25/21 09:56	
trans-1,2-Dichloroethene	ug/L	ND	1.00	0.149	09/25/21 09:56	
1,2-Dichloropropane	ug/L	ND	1.00	0.149	09/25/21 09:56	
1,1-Dichloropropene	ug/L	ND	1.00	0.142	09/25/21 09:56	
1,3-Dichloropropane	ug/L	ND	1.00	0.110	09/25/21 09:56	
2,2-Dichloropropane	ug/L	ND	1.00	0.161	09/25/21 09:56	
Diisopropyl ether	ug/L	ND	1.00	0.105	09/25/21 09:56	
Ethylbenzene	ug/L	ND	1.00	0.137	09/25/21 09:56	
Hexachloro-1,3-butadiene	ug/L	ND	1.00	0.337	09/25/21 09:56	
Isopropylbenzene (Cumene)	ug/L	ND	1.00	0.105	09/25/21 09:56	
p-Isopropyltoluene	ug/L	ND	1.00	0.120	09/25/21 09:56	

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REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92562311

METHOD BLANK: R3710916-2 Matrix: Water
Associated Lab Samples: 92562311001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
2-Butanone (MEK)	ug/L	ND	10.0	1.19	09/25/21 09:56	
Methylene Chloride	ug/L	ND	5.00	0.430	09/25/21 09:56	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	0.478	09/25/21 09:56	
Methyl-tert-butyl ether	ug/L	ND	1.00	0.101	09/25/21 09:56	
Naphthalene	ug/L	ND	5.00	1.00	09/25/21 09:56	
n-Propylbenzene	ug/L	ND	1.00	0.0993	09/25/21 09:56	
Styrene	ug/L	ND	1.00	0.118	09/25/21 09:56	
1,1,1,2-Tetrachloroethane	ug/L	ND	1.00	0.147	09/25/21 09:56	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.00	0.133	09/25/21 09:56	
Tetrachloroethene	ug/L	ND	1.00	0.300	09/25/21 09:56	
Toluene	ug/L	ND	1.00	0.278	09/25/21 09:56	
1,2,3-Trichlorobenzene	ug/L	ND	1.00	0.230	09/25/21 09:56	
1,2,4-Trichlorobenzene	ug/L	ND	1.00	0.481	09/25/21 09:56	
1,1,1-Trichloroethane	ug/L	ND	1.00	0.149	09/25/21 09:56	
1,1,2-Trichloroethane	ug/L	ND	1.00	0.158	09/25/21 09:56	
Trichloroethene	ug/L	ND	1.00	0.190	09/25/21 09:56	
Trichlorofluoromethane	ug/L	ND	5.00	0.160	09/25/21 09:56	
1,2,3-Trichloropropane	ug/L	ND	2.50	0.237	09/25/21 09:56	
1,2,4-Trimethylbenzene	ug/L	ND	1.00	0.322	09/25/21 09:56	
1,3,5-Trimethylbenzene	ug/L	ND	1.00	0.104	09/25/21 09:56	
Vinyl chloride	ug/L	ND	1.00	0.234	09/25/21 09:56	
o-Xylene	ug/L	ND	1.00	0.174	09/25/21 09:56	
m&p-Xylene	ug/L	ND	2.00	0.430	09/25/21 09:56	
Toluene-d8 (S)	%	101	80.0-120		09/25/21 09:56	
4-Bromofluorobenzene (S)	%	89.1	77.0-126		09/25/21 09:56	
1,2-Dichloroethane-d4 (S)	%	95	70.0-130		09/25/21 09:56	

LABORATORY CONTROL SAMPLE: R3710916-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acetone	ug/L	25.0	27.4	110	19.0-160	
Acrolein	ug/L	25.0	20.7	82.8	10.0-160	
Acrylonitrile	ug/L	25.0	24.4	97.6	55.0-149	
Benzene	ug/L	5.00	4.23	84.6	70.0-123	
Bromobenzene	ug/L	5.00	4.54	90.8	73.0-121	
Bromodichloromethane	ug/L	5.00	4.30	86.0	75.0-120	
Bromoform	ug/L	5.00	4.83	96.6	68.0-132	
Bromomethane	ug/L	5.00	4.10	82.0	10.0-160	
n-Butylbenzene	ug/L	5.00	4.33	86.6	73.0-125	
sec-Butylbenzene	ug/L	5.00	4.38	87.6	75.0-125	
tert-Butylbenzene	ug/L	5.00	4.11	82.2	76.0-124	
Carbon tetrachloride	ug/L	5.00	4.20	84.0	68.0-126	
Chlorobenzene	ug/L	5.00	4.70	94.0	80.0-121	
Dibromochloromethane	ug/L	5.00	4.78	95.6	77.0-125	

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92562311

LABORATORY CONTROL SAMPLE: R3710916-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	5.00	4.51	90.2	47.0-150	
Chloroform	ug/L	5.00	4.39	87.8	73.0-120	
Chloromethane	ug/L	5.00	4.85	97.0	41.0-142	
2-Chlorotoluene	ug/L	5.00	4.63	92.6	76.0-123	
4-Chlorotoluene	ug/L	5.00	4.42	88.4	75.0-122	
1,2-Dibromo-3-chloropropane	ug/L	5.00	4.00	80.0	58.0-134	
1,2-Dibromoethane (EDB)	ug/L	5.00	4.90	98.0	80.0-122	
Dibromomethane	ug/L	5.00	4.35	87.0	80.0-120	
1,2-Dichlorobenzene	ug/L	5.00	4.48	89.6	79.0-121	
1,3-Dichlorobenzene	ug/L	5.00	4.27	85.4	79.0-120	
1,4-Dichlorobenzene	ug/L	5.00	4.35	87.0	79.0-120	
Dichlorodifluoromethane	ug/L	5.00	3.80	76.0	51.0-149	
1,1-Dichloroethane	ug/L	5.00	4.23	84.6	70.0-126	
1,2-Dichloroethane	ug/L	5.00	4.42	88.4	70.0-128	
1,1-Dichloroethene	ug/L	5.00	4.21	84.2	71.0-124	
cis-1,2-Dichloroethene	ug/L	5.00	4.06	81.2	73.0-120	
trans-1,2-Dichloroethene	ug/L	5.00	4.45	89.0	73.0-120	
1,2-Dichloropropane	ug/L	5.00	4.43	88.6	77.0-125	
1,1-Dichloropropene	ug/L	5.00	4.43	88.6	74.0-126	
1,3-Dichloropropane	ug/L	5.00	4.65	93.0	80.0-120	
2,2-Dichloropropane	ug/L	5.00	4.67	93.4	58.0-130	
Diisopropyl ether	ug/L	5.00	4.75	95.0	58.0-138	
Ethylbenzene	ug/L	5.00	4.59	91.8	79.0-123	
Hexachloro-1,3-butadiene	ug/L	5.00	3.80	76.0	54.0-138	
Isopropylbenzene (Cumene)	ug/L	5.00	4.33	86.6	76.0-127	
p-Isopropyltoluene	ug/L	5.00	4.15	83.0	76.0-125	
2-Butanone (MEK)	ug/L	25.0	27.2	109	44.0-160	
Methylene Chloride	ug/L	5.00	4.50	90.0	67.0-120	
4-Methyl-2-pentanone (MIBK)	ug/L	25.0	27.8	111	68.0-142	
Methyl-tert-butyl ether	ug/L	5.00	4.50	90.0	68.0-125	
Naphthalene	ug/L	5.00	4.52	90.4	54.0-135	
n-Propylbenzene	ug/L	5.00	4.70	94.0	77.0-124	
Styrene	ug/L	5.00	4.25	85.0	73.0-130	
1,1,1,2-Tetrachloroethane	ug/L	5.00	4.17	83.4	75.0-125	
1,1,2,2-Tetrachloroethane	ug/L	5.00	4.71	94.2	65.0-130	
Tetrachloroethene	ug/L	5.00	4.62	92.4	72.0-132	
Toluene	ug/L	5.00	4.45	89.0	79.0-120	
1,2,3-Trichlorobenzene	ug/L	5.00	4.42	88.4	50.0-138	
1,2,4-Trichlorobenzene	ug/L	5.00	4.06	81.2	57.0-137	
1,1,1-Trichloroethane	ug/L	5.00	3.90	78.0	73.0-124	
1,1,2-Trichloroethane	ug/L	5.00	4.67	93.4	80.0-120	
Trichloroethene	ug/L	5.00	3.77	75.4	78.0-124	L0
Trichlorofluoromethane	ug/L	5.00	4.19	83.8	59.0-147	
1,2,3-Trichloropropane	ug/L	5.00	5.23	105	73.0-130	
1,2,4-Trimethylbenzene	ug/L	5.00	4.35	87.0	76.0-121	
1,3,5-Trimethylbenzene	ug/L	5.00	4.20	84.0	76.0-122	
Vinyl chloride	ug/L	5.00	4.32	86.4	67.0-131	

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92562311

LABORATORY CONTROL SAMPLE: R3710916-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
o-Xylene	ug/L	5.00	4.45	89.0	80.0-122	
m&p-Xylene	ug/L	10.0	8.97	89.7	80.0-122	
Toluene-d8 (S)	%			102	80.0-120	
4-Bromofluorobenzene (S)	%			96.1	77.0-126	
1,2-Dichloroethane-d4 (S)	%			99.5	70.0-130	

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REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: 2020-L1-2448
Pace Project No.: 92562311

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2020-L1-2448
Pace Project No.: 92562311

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92562311001	**14226_HC_RD_20210921**	MADEPV	1746068	MADEP VPH	1746068
92562311001	**14226_HC_RD_20210921**	EPA 3010A	648632	EPA 6010D	648645
92562311001	**14226_HC_RD_20210921**	6200B-2011	1746524	SM 6200B	1746524

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Pace Analytical®

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE O... Workorder Number or

WO# : 92562311

92562311

Containe...

Company: Apex Companies	Billing Information:
Address:	
Report To: Andrew Street	Email To: andrew.street@apexcos.com
Copy To:	Site Collection Info/Address: 14226 Huntersville Concord Rd
Customer Project Name/Number: 2020-L1-2448	State: NC County/City: Huntersville Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET
Phone: Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Matt Teixeira	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature): [signature]	Turnaround Date Required: ABAP Immediately Packed on Ice: [ ] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: ____ [ ] Hold: ____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [ ] No Analysis: ____

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other ____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Analyses

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	VOC 6200B	MADEP VPH	Lead								Lab Profile/Line:
14226_HC-RD_20210921	DW	G	9-21-21	11:12				8	X	X	X								92562311 001

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips: ____			
Sample pH Acceptable	Y	N	NA
pH Strips: 2425819AV			
Sulfide Present	Y	N	NA
Lead Acetate Strips: ____			

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: bb

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2546692

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 925064
Cooler 1 Temp Upon Receipt: 20.0 oC 19.4
Cooler 1 Therm Corr. Factor: 0 oC
Cooler 1 Corrected Temp: 20.0 oC 19.4
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Matt Teixeira/Apex [signature]	9-21-21/ 1145	J B Pace HVL	9/21/21 1145
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: ____ of: ____

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Sample Receiving Non-Conformance Form (NCF)

Date: 9/21/21	**Evaluated by:** AMD
Client: Apex	

WO# : 92562311

PM: AMB Due Date: 09/28/21
CLIENT: 92-APEX MOOR

1. If Chain-of-Custody (COC) is not received: contact client and if necessary, fill out a COC and indicate that it was filled out by lab personnel. Note issues on this NCF.

2. If COC is incomplete, check applicable issues below and add details where appropriate:

	Collection date/time missing or incorrect		Analyses or analytes: missing or clarification needed		Samples listed on COC do not match samples received (missing, additional, etc.)
	Sample IDs on COC do not match sample labels		Required trip blanks were not received		Required signatures are missing

Comments/Details/Other Issues not listed above:

3. Sample integrity issues: check applicable issues below and add details where appropriate:

	Samples: Past holding time		Samples: Condition needs to be brought to lab personnel's attention (details below)		Preservation: Improper
	Samples: Not field filtered		Containers: Broken or compromised	X	Temperature: not within acceptance criteria (typically 0-6C)
	Samples: Insufficient volume received		Containers: Incorrect		Temperature: Samples arrived frozen
	Samples: Cooler damaged or compromised		Custody Seals: Missing or compromised on samples, trip blanks or coolers		Vials received with improper headspace
	Samples: contain chlorine or sulfides		Packing Material: Insufficient/Improper		Other:

Comments/Details: Received out of temp. Ice in bags on top of samples

4. If Samples not preserved properly and Sample Receiving adjusts pH, add details below:

Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:
Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:
Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:

5. Client Contact: If client is contacted for any issue listed above, fill in details below:

Client:	Contacted per:	
PM Initials:	Date/Time:	

Client Comments/Instructions:

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

September 30, 2021

Andrew Street
Apex Companies - NC
5900 Northwoods Business Pkwy
Suite 5900-0
Charlotte, NC 28269

RE: Project: 2020-L1-2448
Pace Project No.: 92562313

Dear Andrew Street:

Enclosed are the analytical results for sample(s) received by the laboratory on September 21, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Asheville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angela M. Baioni

Angela Baioni
angela.baioni@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: J Culbreath, Colonial Pipeline Company
Naomi Fretz, APEX Companies, LLC
Robert Hughes, Colonial Pipeline
Cameron Lee, Montrose-EPS
Jamie Moran, APEX Companies, LLC
Jeff Morrison, Colonial Pipeline Company
Tom Naumann, APEX Companies - NC
Joe Nicolette, Montrose-EPS
Kaitlyn Nootens, Apex Companies
Christopher Schultz, Apex Companies
Matt Teixeira, Apex Companies, LLC
Michael Verdon, Colonial Pipeline Company
JM Wyatt, Colonial Pipeline Company

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

CERTIFICATIONS

Project: 2020-L1-2448
Pace Project No.: 92562313

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

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SAMPLE SUMMARY

Project: 2020-L1-2448
Pace Project No.: 92562313

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92562313001	**13835_AC_RD_20210921**	Water	09/21/21 10:45	09/21/21 11:45

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SAMPLE ANALYTE COUNT

Project: 2020-L1-2448
Pace Project No.: 92562313

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92562313001	**13835_AC_RD_20210921**	MADEP VPH	ACG	6	PAN
		EPA 6010D	RDT	1	PASI-A
		EPA 8260D	ADM	68	PAN

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville

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ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92562313

Sample: 13835_AC_RD_20210921 **Lab ID: 92562313001** Collected: 09/21/21 10:45 Received: 09/21/21 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
MADEPV	Analytical Method: MADEP VPH Preparation Method: MADEPV Pace National - Mt. Juliet								
Aliphatic (C05-C08)	ND	ug/L	100	33.3	1	09/24/21 19:45	09/24/21 19:45		
Aliphatic (C09-C12)	ND	ug/L	100	33.3	1	09/24/21 19:45	09/24/21 19:45		
Aromatic (C09-C10),Unadjusted	ND	ug/L	100	33.3	1	09/24/21 19:45	09/24/21 19:45	TPHC9C10A	
Total VPH	ND	ug/L	100	33.3	1	09/24/21 19:45	09/24/21 19:45	VPH	
Surrogates									
2,5-Dibromotoluene (FID)	91.8	%	70.0-130		1	09/24/21 19:45	09/24/21 19:45	615-59-8FID	
2,5-Dibromotoluene (PID)	96.7	%	70.0-130		1	09/24/21 19:45	09/24/21 19:45	615-59-8PID	
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/22/21 01:56	09/22/21 18:48	7439-92-1	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet								
Acetone	ND	ug/L	50.0	11.3	1	09/24/21 06:37	09/24/21 06:37	67-64-1	
Benzene	ND	ug/L	1.00	0.0941	1	09/24/21 06:37	09/24/21 06:37	71-43-2	
Bromobenzene	ND	ug/L	1.00	0.118	1	09/24/21 06:37	09/24/21 06:37	108-86-1	
Bromochloromethane	ND	ug/L	1.00	0.128	1	09/24/21 06:37	09/24/21 06:37	74-97-5	
Bromodichloromethane	ND	ug/L	1.00	0.136	1	09/24/21 06:37	09/24/21 06:37	75-27-4	
Bromoform	ND	ug/L	1.00	0.129	1	09/24/21 06:37	09/24/21 06:37	75-25-2	
Bromomethane	ND	ug/L	5.00	0.605	1	09/24/21 06:37	09/24/21 06:37	74-83-9	
n-Butylbenzene	ND	ug/L	1.00	0.157	1	09/24/21 06:37	09/24/21 06:37	104-51-8	
sec-Butylbenzene	ND	ug/L	1.00	0.125	1	09/24/21 06:37	09/24/21 06:37	135-98-8	
tert-Butylbenzene	ND	ug/L	1.00	0.127	1	09/24/21 06:37	09/24/21 06:37	98-06-6	
Carbon disulfide	ND	ug/L	1.00	0.0962	1	09/24/21 06:37	09/24/21 06:37	75-15-0	
Carbon tetrachloride	ND	ug/L	1.00	0.128	1	09/24/21 06:37	09/24/21 06:37	56-23-5	
Chlorobenzene	ND	ug/L	1.00	0.116	1	09/24/21 06:37	09/24/21 06:37	108-90-7	
Dibromochloromethane	ND	ug/L	1.00	0.140	1	09/24/21 06:37	09/24/21 06:37	124-48-1	
Chloroethane	ND	ug/L	5.00	0.192	1	09/24/21 06:37	09/24/21 06:37	75-00-3	
Chloroform	**0.829J**	ug/L	5.00	0.111	1	09/24/21 06:37	09/24/21 06:37	67-66-3	J
Chloromethane	ND	ug/L	2.50	0.960	1	09/24/21 06:37	09/24/21 06:37	74-87-3	
2-Chlorotoluene	ND	ug/L	1.00	0.106	1	09/24/21 06:37	09/24/21 06:37	95-49-8	
4-Chlorotoluene	ND	ug/L	1.00	0.114	1	09/24/21 06:37	09/24/21 06:37	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.00	0.276	1	09/24/21 06:37	09/24/21 06:37	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.00	0.126	1	09/24/21 06:37	09/24/21 06:37	106-93-4	
Dibromomethane	ND	ug/L	1.00	0.122	1	09/24/21 06:37	09/24/21 06:37	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.00	0.107	1	09/24/21 06:37	09/24/21 06:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.00	0.110	1	09/24/21 06:37	09/24/21 06:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.00	0.120	1	09/24/21 06:37	09/24/21 06:37	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.00	0.374	1	09/24/21 06:37	09/24/21 06:37	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.00	0.100	1	09/24/21 06:37	09/24/21 06:37	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.00	0.0819	1	09/24/21 06:37	09/24/21 06:37	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.00	0.188	1	09/24/21 06:37	09/24/21 06:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.00	0.126	1	09/24/21 06:37	09/24/21 06:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.00	0.149	1	09/24/21 06:37	09/24/21 06:37	156-60-5	

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ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92562313

Sample: 13835_AC_RD_20210921 **Lab ID: 92562313001** Collected: 09/21/21 10:45 Received: 09/21/21 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet								
1,2-Dichloropropane	ND	ug/L	1.00	0.149	1	09/24/21 06:37	09/24/21 06:37	78-87-5	
1,1-Dichloropropene	ND	ug/L	1.00	0.142	1	09/24/21 06:37	09/24/21 06:37	563-58-6	
1,3-Dichloropropane	ND	ug/L	1.00	0.110	1	09/24/21 06:37	09/24/21 06:37	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.00	0.111	1	09/24/21 06:37	09/24/21 06:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.00	0.118	1	09/24/21 06:37	09/24/21 06:37	10061-02-6	
2,2-Dichloropropane	ND	ug/L	1.00	0.161	1	09/24/21 06:37	09/24/21 06:37	594-20-7	
Ethylbenzene	ND	ug/L	1.00	0.137	1	09/24/21 06:37	09/24/21 06:37	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.00	0.337	1	09/24/21 06:37	09/24/21 06:37	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.787	1	09/24/21 06:37	09/24/21 06:37	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.00	0.105	1	09/24/21 06:37	09/24/21 06:37	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.00	0.120	1	09/24/21 06:37	09/24/21 06:37	99-87-6	
2-Butanone (MEK)	ND	ug/L	10.0	1.19	1	09/24/21 06:37	09/24/21 06:37	78-93-3	
Methylene Chloride	ND	ug/L	5.00	0.430	1	09/24/21 06:37	09/24/21 06:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.478	1	09/24/21 06:37	09/24/21 06:37	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.00	0.101	1	09/24/21 06:37	09/24/21 06:37	1634-04-4	
Naphthalene	ND	ug/L	5.00	1.00	1	09/24/21 06:37	09/24/21 06:37	91-20-3	
n-Propylbenzene	ND	ug/L	1.00	0.0993	1	09/24/21 06:37	09/24/21 06:37	103-65-1	
Styrene	ND	ug/L	1.00	0.118	1	09/24/21 06:37	09/24/21 06:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.00	0.147	1	09/24/21 06:37	09/24/21 06:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.00	0.133	1	09/24/21 06:37	09/24/21 06:37	79-34-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.00	0.180	1	09/24/21 06:37	09/24/21 06:37	76-13-1	
Tetrachloroethene	ND	ug/L	1.00	0.300	1	09/24/21 06:37	09/24/21 06:37	127-18-4	
Toluene	ND	ug/L	1.00	0.278	1	09/24/21 06:37	09/24/21 06:37	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.00	0.230	1	09/24/21 06:37	09/24/21 06:37	87-61-6	C4
1,2,4-Trichlorobenzene	ND	ug/L	1.00	0.481	1	09/24/21 06:37	09/24/21 06:37	120-82-1	C4
1,1,1-Trichloroethane	ND	ug/L	1.00	0.149	1	09/24/21 06:37	09/24/21 06:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.00	0.158	1	09/24/21 06:37	09/24/21 06:37	79-00-5	
Trichloroethene	ND	ug/L	1.00	0.190	1	09/24/21 06:37	09/24/21 06:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.00	0.160	1	09/24/21 06:37	09/24/21 06:37	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.50	0.237	1	09/24/21 06:37	09/24/21 06:37	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.00	0.322	1	09/24/21 06:37	09/24/21 06:37	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.00	0.104	1	09/24/21 06:37	09/24/21 06:37	108-67-8	
Vinyl chloride	ND	ug/L	1.00	0.234	1	09/24/21 06:37	09/24/21 06:37	75-01-4	
Xylene (Total)	ND	ug/L	3.00	0.174	1	09/24/21 06:37	09/24/21 06:37	1330-20-7	
Surrogates									
Toluene-d8 (S)	104	%	80.0-120		1	09/24/21 06:37	09/24/21 06:37	2037-26-5	
4-Bromofluorobenzene (S)	105	%	77.0-126		1	09/24/21 06:37	09/24/21 06:37	460-00-4	
1,2-Dichloroethane-d4 (S)	127	%	70.0-130		1	09/24/21 06:37	09/24/21 06:37	17060-07-0	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92562313

QC Batch: 1746068
QC Batch Method: MADEPV
Analysis Method: MADEP VPH
Analysis Description: MADEPV
Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 92562313001

METHOD BLANK: R3710049-3 Matrix: Water
Associated Lab Samples: 92562313001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (C05-C08)	ug/L	ND	100	33.3	09/24/21 16:25	
Aliphatic (C09-C12)	ug/L	ND	100	33.3	09/24/21 16:25	
Aromatic (C09-C10),Unadjusted	ug/L	ND	100	33.3	09/24/21 16:25	
Total VPH	ug/L	ND	100	33.3	09/24/21 16:25	
2,5-Dibromotoluene (FID)	%	79.1	70.0-130		09/24/21 16:25	
2,5-Dibromotoluene (PID)	%	81.3	70.0-130		09/24/21 16:25	

LABORATORY CONTROL SAMPLE & LCSD: R3710049-1 R3710049-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	ug/L	1200	1280	1280	107	107	70.0-130	0.00	25	
Aliphatic (C09-C12)	ug/L	1400	1260	1270	90.0	90.7	70.0-130	0.791	25	
Aromatic (C09-C10),Unadjusted	ug/L	200	220	217	110	108	70.0-130	1.37	25	
Total VPH	ug/L	2800	2760	2770	98.6	98.9	70.0-130	0.362	25	
2,5-Dibromotoluene (FID)	%				86.9	84.6	70.0-130			
2,5-Dibromotoluene (PID)	%				94.0	91.1	70.0-130			

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92562313

QC Batch: 648632
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92562313001

METHOD BLANK: 3402215 Matrix: Water
Associated Lab Samples: 92562313001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	4.5	09/22/21 16:52	

LABORATORY CONTROL SAMPLE: 3402216

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	499	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3402217 3402218

Parameter	Units	92562311001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	489	493	98	99	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92562313

QC Batch: 1745707
QC Batch Method: 8260D
Analysis Method: EPA 8260D
Analysis Description: VOA (GC/MS) 8260D
Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 92562313001

METHOD BLANK: R3708524-4 Matrix: Water
Associated Lab Samples: 92562313001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acetone	ug/L	ND	50.0	11.3	09/23/21 23:30	
Benzene	ug/L	ND	1.00	0.0941	09/23/21 23:30	
Bromobenzene	ug/L	ND	1.00	0.118	09/23/21 23:30	
Bromodichloromethane	ug/L	ND	1.00	0.136	09/23/21 23:30	
Bromochloromethane	ug/L	ND	1.00	0.128	09/23/21 23:30	
Bromoform	ug/L	ND	1.00	0.129	09/23/21 23:30	
Bromomethane	ug/L	ND	5.00	0.605	09/23/21 23:30	
n-Butylbenzene	ug/L	ND	1.00	0.157	09/23/21 23:30	
sec-Butylbenzene	ug/L	ND	1.00	0.125	09/23/21 23:30	
tert-Butylbenzene	ug/L	ND	1.00	0.127	09/23/21 23:30	
Carbon disulfide	ug/L	ND	1.00	0.0962	09/23/21 23:30	
Carbon tetrachloride	ug/L	ND	1.00	0.128	09/23/21 23:30	
Chlorobenzene	ug/L	ND	1.00	0.116	09/23/21 23:30	
Dibromochloromethane	ug/L	ND	1.00	0.140	09/23/21 23:30	
Chloroethane	ug/L	ND	5.00	0.192	09/23/21 23:30	
Chloroform	ug/L	ND	5.00	0.111	09/23/21 23:30	
Chloromethane	ug/L	ND	2.50	0.960	09/23/21 23:30	
2-Chlorotoluene	ug/L	ND	1.00	0.106	09/23/21 23:30	
4-Chlorotoluene	ug/L	ND	1.00	0.114	09/23/21 23:30	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.00	0.276	09/23/21 23:30	
1,2-Dibromoethane (EDB)	ug/L	ND	1.00	0.126	09/23/21 23:30	
Dibromomethane	ug/L	ND	1.00	0.122	09/23/21 23:30	
1,2-Dichlorobenzene	ug/L	ND	1.00	0.107	09/23/21 23:30	
1,3-Dichlorobenzene	ug/L	ND	1.00	0.110	09/23/21 23:30	
1,4-Dichlorobenzene	ug/L	ND	1.00	0.120	09/23/21 23:30	
Dichlorodifluoromethane	ug/L	ND	5.00	0.374	09/23/21 23:30	
1,1-Dichloroethane	ug/L	ND	1.00	0.100	09/23/21 23:30	
1,2-Dichloroethane	ug/L	ND	1.00	0.0819	09/23/21 23:30	
1,1-Dichloroethene	ug/L	ND	1.00	0.188	09/23/21 23:30	
cis-1,2-Dichloroethene	ug/L	ND	1.00	0.126	09/23/21 23:30	
trans-1,2-Dichloroethene	ug/L	ND	1.00	0.149	09/23/21 23:30	
1,2-Dichloropropane	ug/L	ND	1.00	0.149	09/23/21 23:30	
1,1-Dichloropropene	ug/L	ND	1.00	0.142	09/23/21 23:30	
1,3-Dichloropropane	ug/L	ND	1.00	0.110	09/23/21 23:30	
cis-1,3-Dichloropropene	ug/L	ND	1.00	0.111	09/23/21 23:30	
trans-1,3-Dichloropropene	ug/L	ND	1.00	0.118	09/23/21 23:30	
2,2-Dichloropropane	ug/L	ND	1.00	0.161	09/23/21 23:30	
Ethylbenzene	ug/L	ND	1.00	0.137	09/23/21 23:30	
Hexachloro-1,3-butadiene	ug/L	ND	1.00	0.337	09/23/21 23:30	
2-Hexanone	ug/L	ND	10.0	0.787	09/23/21 23:30	

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REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92562313

METHOD BLANK: R3708524-4 Matrix: Water
Associated Lab Samples: 92562313001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Isopropylbenzene (Cumene)	ug/L	ND	1.00	0.105	09/23/21 23:30	
p-Isopropyltoluene	ug/L	ND	1.00	0.120	09/23/21 23:30	
2-Butanone (MEK)	ug/L	ND	10.0	1.19	09/23/21 23:30	
Methylene Chloride	ug/L	ND	5.00	0.430	09/23/21 23:30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	0.478	09/23/21 23:30	
Methyl-tert-butyl ether	ug/L	ND	1.00	0.101	09/23/21 23:30	
Naphthalene	ug/L	ND	5.00	1.00	09/23/21 23:30	
n-Propylbenzene	ug/L	ND	1.00	0.0993	09/23/21 23:30	
Styrene	ug/L	ND	1.00	0.118	09/23/21 23:30	
1,1,1,2-Tetrachloroethane	ug/L	ND	1.00	0.147	09/23/21 23:30	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.00	0.133	09/23/21 23:30	
Tetrachloroethene	ug/L	ND	1.00	0.300	09/23/21 23:30	
Toluene	ug/L	ND	1.00	0.278	09/23/21 23:30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.00	0.180	09/23/21 23:30	
1,2,3-Trichlorobenzene	ug/L	ND	1.00	0.230	09/23/21 23:30	
1,2,4-Trichlorobenzene	ug/L	ND	1.00	0.481	09/23/21 23:30	
1,1,1-Trichloroethane	ug/L	ND	1.00	0.149	09/23/21 23:30	
1,1,2-Trichloroethane	ug/L	ND	1.00	0.158	09/23/21 23:30	
Trichloroethene	ug/L	ND	1.00	0.190	09/23/21 23:30	
Trichlorofluoromethane	ug/L	ND	5.00	0.160	09/23/21 23:30	
1,2,3-Trichloropropane	ug/L	ND	2.50	0.237	09/23/21 23:30	
1,2,4-Trimethylbenzene	ug/L	ND	1.00	0.322	09/23/21 23:30	
1,3,5-Trimethylbenzene	ug/L	ND	1.00	0.104	09/23/21 23:30	
Vinyl chloride	ug/L	ND	1.00	0.234	09/23/21 23:30	
Xylene (Total)	ug/L	ND	3.00	0.174	09/23/21 23:30	
Toluene-d8 (S)	%	106	80.0-120		09/23/21 23:30	
4-Bromofluorobenzene (S)	%	105	77.0-126		09/23/21 23:30	
1,2-Dichloroethane-d4 (S)	%	120	70.0-130		09/23/21 23:30	

LABORATORY CONTROL SAMPLE & LCSD: R3708524-1 R3708524-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acetone	ug/L	25.0	27.0	29.0	108	116	19.0-160	7.14	27	
Benzene	ug/L	5.00	4.18	4.41	83.6	88.2	70.0-123	5.36	20	
Bromobenzene	ug/L	5.00	5.08	5.25	102	105	73.0-121	3.29	20	
Bromodichloromethane	ug/L	5.00	5.14	5.11	103	102	75.0-120	0.585	20	
Bromochloromethane	ug/L	5.00	4.94	4.75	98.8	95.0	76.0-122	3.92	20	
Bromoform	ug/L	5.00	4.62	4.44	92.4	88.8	68.0-132	3.97	20	
Bromomethane	ug/L	5.00	4.95	4.90	99.0	98.0	10.0-160	1.02	25	
n-Butylbenzene	ug/L	5.00	4.81	5.54	96.2	111	73.0-125	14.1	20	
sec-Butylbenzene	ug/L	5.00	4.98	5.86	99.6	117	75.0-125	16.2	20	
tert-Butylbenzene	ug/L	5.00	5.30	6.16	106	123	76.0-124	15.0	20	
Carbon disulfide	ug/L	5.00	4.10	4.30	82.0	86.0	61.0-128	4.76	20	
Carbon tetrachloride	ug/L	5.00	5.25	5.51	105	110	68.0-126	4.83	20	

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REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92562313

LABORATORY CONTROL SAMPLE & LCSD: R3708524-1 R3708524-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Chlorobenzene	ug/L	5.00	4.93	4.86	98.6	97.2	80.0-121	1.43	20	
Dibromochloromethane	ug/L	5.00	5.50	5.28	110	106	77.0-125	4.08	20	
Chloroethane	ug/L	5.00	4.76	4.96	95.2	99.2	47.0-150	4.12	20	
Chloroform	ug/L	5.00	5.14	5.22	103	104	73.0-120	1.54	20	
Chloromethane	ug/L	5.00	4.27	4.24	85.4	84.8	41.0-142	0.705	20	
2-Chlorotoluene	ug/L	5.00	5.12	5.75	102	115	76.0-123	11.6	20	
4-Chlorotoluene	ug/L	5.00	4.99	5.43	99.8	109	75.0-122	8.45	20	
1,2-Dibromo-3-chloropropane	ug/L	5.00	4.72	5.13	94.4	103	58.0-134	8.32	20	
1,2-Dibromoethane (EDB)	ug/L	5.00	5.07	4.87	101	97.4	80.0-122	4.02	20	
Dibromomethane	ug/L	5.00	4.94	5.06	98.8	101	80.0-120	2.40	20	
1,2-Dichlorobenzene	ug/L	5.00	5.21	5.31	104	106	79.0-121	1.90	20	
1,3-Dichlorobenzene	ug/L	5.00	5.16	5.36	103	107	79.0-120	3.80	20	
1,4-Dichlorobenzene	ug/L	5.00	5.07	5.59	101	112	79.0-120	9.76	20	
Dichlorodifluoromethane	ug/L	5.00	5.25	5.48	105	110	51.0-149	4.29	20	
1,1-Dichloroethane	ug/L	5.00	4.85	5.08	97.0	102	70.0-126	4.63	20	
1,2-Dichloroethane	ug/L	5.00	5.42	5.59	108	112	70.0-128	3.09	20	
1,1-Dichloroethene	ug/L	5.00	4.56	4.86	91.2	97.2	71.0-124	6.37	20	
cis-1,2-Dichloroethene	ug/L	5.00	4.47	4.66	89.4	93.2	73.0-120	4.16	20	
trans-1,2-Dichloroethene	ug/L	5.00	4.63	4.71	92.6	94.2	73.0-120	1.71	20	
1,2-Dichloropropane	ug/L	5.00	4.49	4.71	89.8	94.2	77.0-125	4.78	20	
1,1-Dichloropropene	ug/L	5.00	4.93	5.22	98.6	104	74.0-126	5.71	20	
1,3-Dichloropropane	ug/L	5.00	4.85	4.83	97.0	96.6	80.0-120	0.413	20	
cis-1,3-Dichloropropene	ug/L	5.00	4.54	4.55	90.8	91.0	80.0-123	0.220	20	
trans-1,3-Dichloropropene	ug/L	5.00	4.99	4.83	99.8	96.6	78.0-124	3.26	20	
2,2-Dichloropropane	ug/L	5.00	5.50	5.22	110	104	58.0-130	5.22	20	
Ethylbenzene	ug/L	5.00	4.78	4.89	95.6	97.8	79.0-123	2.28	20	
Hexachloro-1,3-butadiene	ug/L	5.00	5.41	5.76	108	115	54.0-138	6.27	20	
2-Hexanone	ug/L	25.0	24.9	25.4	99.6	102	67.0-149	1.99	20	
Isopropylbenzene (Cumene)	ug/L	5.00	5.17	5.46	103	109	76.0-127	5.46	20	
p-Isopropyltoluene	ug/L	5.00	5.41	6.03	108	121	76.0-125	10.8	20	
2-Butanone (MEK)	ug/L	25.0	25.2	27.0	101	108	44.0-160	6.90	20	
Methylene Chloride	ug/L	5.00	4.31	4.50	86.2	90.0	67.0-120	4.31	20	
4-Methyl-2-pentanone (MIBK)	ug/L	25.0	24.7	24.6	98.8	98.4	68.0-142	0.406	20	
Methyl-tert-butyl ether	ug/L	5.00	5.02	5.05	100	101	68.0-125	0.596	20	
Naphthalene	ug/L	5.00	5.33	5.56	107	111	54.0-135	4.22	20	
n-Propylbenzene	ug/L	5.00	5.04	5.60	101	112	77.0-124	10.5	20	
Styrene	ug/L	5.00	4.97	4.74	99.4	94.8	73.0-130	4.74	20	
1,1,1,2-Tetrachloroethane	ug/L	5.00	5.24	5.08	105	102	75.0-125	3.10	20	
1,1,2,2-Tetrachloroethane	ug/L	5.00	4.28	4.61	85.6	92.2	65.0-130	7.42	20	
Tetrachloroethene	ug/L	5.00	5.09	5.28	102	106	72.0-132	3.66	20	
Toluene	ug/L	5.00	4.58	4.58	91.6	91.6	79.0-120	0.00	20	
1,1,2-Trichlorotrifluoroethane	ug/L	5.00	4.70	4.45	94.0	89.0	69.0-132	5.46	20	
1,2,3-Trichlorobenzene	ug/L	5.00	5.04	5.36	101	107	50.0-138	6.15	20	
1,2,4-Trichlorobenzene	ug/L	5.00	5.14	5.51	103	110	57.0-137	6.95	20	
1,1,1-Trichloroethane	ug/L	5.00	5.34	5.65	107	113	73.0-124	5.64	20	
1,1,2-Trichloroethane	ug/L	5.00	4.76	4.87	95.2	97.4	80.0-120	2.28	20	
Trichloroethene	ug/L	5.00	5.17	5.33	103	107	78.0-124	3.05	20	

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REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92562313

LABORATORY CONTROL SAMPLE & LCSD: R3708524-1 R3708524-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Trichlorofluoromethane	ug/L	5.00	5.94	5.75	119	115	59.0-147	3.25	20	
1,2,3-Trichloropropane	ug/L	5.00	5.62	5.65	112	113	73.0-130	0.532	20	
1,2,4-Trimethylbenzene	ug/L	5.00	5.28	5.97	106	119	76.0-121	12.3	20	
1,3,5-Trimethylbenzene	ug/L	5.00	5.15	5.92	103	118	76.0-122	13.9	20	
Vinyl chloride	ug/L	5.00	5.23	5.29	105	106	67.0-131	1.14	20	
Xylene (Total)	ug/L	15.0	14.7	15.1	98.0	101	79.0-123	2.68	20	
Toluene-d8 (S)	%				107	102	80.0-120			
4-Bromofluorobenzene (S)	%				106	102	77.0-126			
1,2-Dichloroethane-d4 (S)	%				120	116	70.0-130			

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Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: 2020-L1-2448
Pace Project No.: 92562313

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.
J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.

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Huntersville, NC 28078
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2020-L1-2448
Pace Project No.: 92562313

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92562313001	**13835_AC_RD_20210921**	MADEPV	1746068	MADEP VPH	1746068
92562313001	**13835_AC_RD_20210921**	EPA 3010A	648632	EPA 6010D	648645
92562313001	**13835_AC_RD_20210921**	8260D	1745707	EPA 8260D	1745707

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

WO# : 92562313

92562313

Work order Number or

NLY

Company: Apex Companies	Billing Information:
Address:	
Report To: Andrew Street	Email To: andrew.street@apexcos.com
Copy To:	Site Collection Info/Address: 13835 Asbury Chapel Rd
Customer Project Name/Number: 2020-LI-2448	State: NC / County/City: Huntersville / Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET
Phone: / Email:	Site/Facility ID #: / Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Matt Teixeira	Purchase Order #: / Quote #: / DW PWS ID #: / DW Location Code:
Collected By (signature):	Turnaround Date Required: ASAP / Immediately Packed on Ice: [ ] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) / Field Filtered (if applicable): [ ] Yes [ ] No / Analysis:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: VOC 6200B	MADEP VPH	Lead	Lab Sample # / Comments
13835_AL_RD_20210921	DW	G	9-21-21	1045				8	X	X	X	92562313 001

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y (N) NA
Custody Signatures Present	Y (N) NA
Collector Signature Present	Y (N) NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y (N) NA #25 9/21/21
USDA Regulated Soils	Y N (NA)
Samples in Holding Time	(Y) N NA
Residual Chlorine Present	Y N (NA)
Cl Strips: _____	
Sample pH Acceptable	(Y) N NA
pH Strips: 238194V	
Sulfide Present	Y N (NA)
Lead Acetate Strips: _____	

LAB USE ONLY:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: (Wet) Blue Dry None

Packing Material Used: bb

Radchem sample(s) screened (<500 cpm): Y N (NA)

SHORT HOLDS PRESENT (<72 hours): Y (N) N/A

Lab Tracking #: 2546691

Samples received via: FEDEX UPS (Client) Courier Pace Courier

Lab Sample Temperature Info:

Temp Blank Received: Y (N) NA

Therm ID#: 92TD04

Cooler 1 Temp Upon Receipt: 20.2 oC 19.4

Cooler 1 Therm Corr. Factor: 0 oC

Cooler 1 Corrected Temp: 20.0 oC 19.4

Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Matt Teixeira / Apex	9-21-21 / 1145	JB Pace HVL	9/21/21 1145
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY

Table #:

Acctnum:

Template:

Prelogin:

PM:

PB:

Trip Blank Received: Y (N) NA

HCL MeOH TSP Other

Non Conformance(s): (YES) / NO

Page: _____ of: _____

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Sample Receiving Non-Conformance Form (NCF)

Date:	9/21/21	Evaluated by:	HND
Client:	Apex		

WO#: 92562313

PM: AMB Due Date: 09/28/21

CLIENT: 92-APEX MOOR

1. If Chain-of-Custody (COC) is not received: contact client and if necessary, fill out a COC and indicate that it was filled out by lab personnel. Note issues on this NCF.

2. If COC is incomplete, check applicable issues below and add details where appropriate:

	Collection date/time missing or incorrect		Analyses or analytes: missing or clarification needed		Samples listed on COC do not match samples received (missing, additional, etc.)
	Sample IDs on COC do not match sample labels		Required trip blanks were not received		Required signatures are missing

Comments/Details/Other Issues not listed above:

3. Sample integrity issues: check applicable issues below and add details where appropriate:

	Samples: Past holding time		Samples: Condition needs to be brought to lab personnel's attention (details below)		Preservation: Improper
	Samples: Not field filtered		Containers: Broken or compromised	X	Temperature: not within acceptance criteria (typically 0-6C)
	Samples: Insufficient volume received		Containers: Incorrect		Temperature: Samples arrived frozen
	Samples: Cooler damaged or compromised		Custody Seals: Missing or compromised on samples, trip blanks or coolers		Vials received with improper headspace
	Samples: contain chlorine or sulfides		Packing Material: Insufficient/Improper		Other:

Comments/Details: Received out of temp. Ice in bags on top of samples

4. If Samples not preserved properly and Sample Receiving adjusts pH, add details below:

Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:
Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:
Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:

5. Client Contact: If client is contacted for any issue listed above, fill in details below:

Client:	Contacted per:	
PM Initials:	Date/Time:	

Client Comments/Instructions:

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 01, 2021

Andrew Street
Apex Companies - NC
5900 Northwoods Business Pkwy
Suite 5900-0
Charlotte, NC 28269

RE: Project: 2020-L1-2448
Pace Project No.: 92562315

Dear Andrew Street:

Enclosed are the analytical results for sample(s) received by the laboratory on September 21, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Asheville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angela M. Baioni

Angela Baioni
angela.baioni@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: J Culbreath, Colonial Pipeline Company
Naomi Fretz, APEX Companies, LLC
Robert Hughes, Colonial Pipeline
Cameron Lee, Montrose-EPS
Jamie Moran, APEX Companies, LLC
Jeff Morrison, Colonial Pipeline Company
Tom Naumann, APEX Companies - NC
Joe Nicolette, Montrose-EPS
Kaitlyn Nootens, Apex Companies
Christopher Schultz, Apex Companies
Matt Teixeira, Apex Companies, LLC
Michael Verdon, Colonial Pipeline Company
JM Wyatt, Colonial Pipeline Company

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

CERTIFICATIONS

Project: 2020-L1-2448
Pace Project No.: 92562315

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

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SAMPLE SUMMARY

Project: 2020-L1-2448
Pace Project No.: 92562315

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92562315001	**13800_HC_RD_20210921**	Water	09/21/21 09:35	09/21/21 11:45

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SAMPLE ANALYTE COUNT

Project: 2020-L1-2448
Pace Project No.: 92562315

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92562315001	**13800_HC_RD_20210921**	MADEP VPH	ACG	6	PAN
		EPA 6010D	RDT	1	PASI-A
		SM 6200B	JAH	66	PAN

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville

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ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92562315

Sample: 13800_HC_RD_20210921 **Lab ID: 92562315001** Collected: 09/21/21 09:35 Received: 09/21/21 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
MADEPV	Analytical Method: MADEP VPH Preparation Method: MADEPV Pace National - Mt. Juliet								
Aliphatic (C05-C08)	ND	ug/L	100	33.3	1	09/24/21 20:52	09/24/21 20:52		
Aliphatic (C09-C12)	ND	ug/L	100	33.3	1	09/24/21 20:52	09/24/21 20:52		
Aromatic (C09-C10),Unadjusted	ND	ug/L	100	33.3	1	09/24/21 20:52	09/24/21 20:52	TPHC9C10A	
Total VPH	ND	ug/L	100	33.3	1	09/24/21 20:52	09/24/21 20:52	VPH	
Surrogates									
2,5-Dibromotoluene (FID)	86.8	%	70.0-130		1	09/24/21 20:52	09/24/21 20:52	615-59-8FID	
2,5-Dibromotoluene (PID)	90.7	%	70.0-130		1	09/24/21 20:52	09/24/21 20:52	615-59-8PID	
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/22/21 01:56	09/22/21 18:52	7439-92-1	
VOA (GC/MS) 6200B-2011	Analytical Method: SM 6200B Preparation Method: 6200B-2011 Pace National - Mt. Juliet								
Acetone	ND	ug/L	50.0	11.3	1	09/25/21 14:59	09/25/21 14:59	67-64-1	
Acrolein	ND	ug/L	50.0	2.54	1	09/25/21 14:59	09/25/21 14:59	107-02-8	
Acrylonitrile	ND	ug/L	10.0	0.671	1	09/25/21 14:59	09/25/21 14:59	107-13-1	
Benzene	ND	ug/L	1.00	0.0941	1	09/25/21 14:59	09/25/21 14:59	71-43-2	
Bromobenzene	ND	ug/L	1.00	0.118	1	09/25/21 14:59	09/25/21 14:59	108-86-1	
Bromodichloromethane	ND	ug/L	1.00	0.136	1	09/25/21 14:59	09/25/21 14:59	75-27-4	
Bromoform	ND	ug/L	1.00	0.129	1	09/25/21 14:59	09/25/21 14:59	75-25-2	
Bromomethane	ND	ug/L	5.00	0.605	1	09/25/21 14:59	09/25/21 14:59	74-83-9	
n-Butylbenzene	ND	ug/L	1.00	0.157	1	09/25/21 14:59	09/25/21 14:59	104-51-8	
sec-Butylbenzene	ND	ug/L	1.00	0.125	1	09/25/21 14:59	09/25/21 14:59	135-98-8	
tert-Butylbenzene	ND	ug/L	1.00	0.127	1	09/25/21 14:59	09/25/21 14:59	98-06-6	
Carbon tetrachloride	ND	ug/L	1.00	0.128	1	09/25/21 14:59	09/25/21 14:59	56-23-5	
Chlorobenzene	ND	ug/L	1.00	0.116	1	09/25/21 14:59	09/25/21 14:59	108-90-7	
Dibromochloromethane	ND	ug/L	1.00	0.140	1	09/25/21 14:59	09/25/21 14:59	124-48-1	
Chloroethane	ND	ug/L	5.00	0.192	1	09/25/21 14:59	09/25/21 14:59	75-00-3	
Chloroform	ND	ug/L	5.00	0.111	1	09/25/21 14:59	09/25/21 14:59	67-66-3	
Chloromethane	ND	ug/L	2.50	0.960	1	09/25/21 14:59	09/25/21 14:59	74-87-3	
2-Chlorotoluene	ND	ug/L	1.00	0.106	1	09/25/21 14:59	09/25/21 14:59	95-49-8	
4-Chlorotoluene	ND	ug/L	1.00	0.114	1	09/25/21 14:59	09/25/21 14:59	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.00	0.276	1	09/25/21 14:59	09/25/21 14:59	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.00	0.126	1	09/25/21 14:59	09/25/21 14:59	106-93-4	
Dibromomethane	ND	ug/L	1.00	0.122	1	09/25/21 14:59	09/25/21 14:59	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.00	0.107	1	09/25/21 14:59	09/25/21 14:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.00	0.110	1	09/25/21 14:59	09/25/21 14:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.00	0.120	1	09/25/21 14:59	09/25/21 14:59	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.00	0.374	1	09/25/21 14:59	09/25/21 14:59	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.00	0.100	1	09/25/21 14:59	09/25/21 14:59	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.00	0.0819	1	09/25/21 14:59	09/25/21 14:59	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.00	0.188	1	09/25/21 14:59	09/25/21 14:59	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.00	0.126	1	09/25/21 14:59	09/25/21 14:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.00	0.149	1	09/25/21 14:59	09/25/21 14:59	156-60-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92562315

Sample: 13800_HC_RD_20210921 **Lab ID: 92562315001** Collected: 09/21/21 09:35 Received: 09/21/21 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC/MS) 6200B-2011	Analytical Method: SM 6200B Preparation Method: 6200B-2011 Pace National - Mt. Juliet								
1,2-Dichloropropane	ND	ug/L	1.00	0.149	1	09/25/21 14:59	09/25/21 14:59	78-87-5	
1,1-Dichloropropene	ND	ug/L	1.00	0.142	1	09/25/21 14:59	09/25/21 14:59	563-58-6	
1,3-Dichloropropane	ND	ug/L	1.00	0.110	1	09/25/21 14:59	09/25/21 14:59	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.00	0.161	1	09/25/21 14:59	09/25/21 14:59	594-20-7	
Diisopropyl ether	ND	ug/L	1.00	0.105	1	09/25/21 14:59	09/25/21 14:59	108-20-3	
Ethylbenzene	ND	ug/L	1.00	0.137	1	09/25/21 14:59	09/25/21 14:59	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.00	0.337	1	09/25/21 14:59	09/25/21 14:59	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.00	0.105	1	09/25/21 14:59	09/25/21 14:59	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.00	0.120	1	09/25/21 14:59	09/25/21 14:59	99-87-6	
2-Butanone (MEK)	ND	ug/L	10.0	1.19	1	09/25/21 14:59	09/25/21 14:59	78-93-3	
Methylene Chloride	ND	ug/L	5.00	0.430	1	09/25/21 14:59	09/25/21 14:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.478	1	09/25/21 14:59	09/25/21 14:59	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.00	0.101	1	09/25/21 14:59	09/25/21 14:59	1634-04-4	
Naphthalene	ND	ug/L	5.00	1.00	1	09/25/21 14:59	09/25/21 14:59	91-20-3	
n-Propylbenzene	ND	ug/L	1.00	0.0993	1	09/25/21 14:59	09/25/21 14:59	103-65-1	
Styrene	ND	ug/L	1.00	0.118	1	09/25/21 14:59	09/25/21 14:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.00	0.147	1	09/25/21 14:59	09/25/21 14:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.00	0.133	1	09/25/21 14:59	09/25/21 14:59	79-34-5	
Tetrachloroethene	ND	ug/L	1.00	0.300	1	09/25/21 14:59	09/25/21 14:59	127-18-4	
Toluene	ND	ug/L	1.00	0.278	1	09/25/21 14:59	09/25/21 14:59	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.00	0.230	1	09/25/21 14:59	09/25/21 14:59	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.00	0.481	1	09/25/21 14:59	09/25/21 14:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.00	0.149	1	09/25/21 14:59	09/25/21 14:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.00	0.158	1	09/25/21 14:59	09/25/21 14:59	79-00-5	
Trichloroethene	ND	ug/L	1.00	0.190	1	09/25/21 14:59	09/25/21 14:59	79-01-6	L0
Trichlorofluoromethane	ND	ug/L	5.00	0.160	1	09/25/21 14:59	09/25/21 14:59	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.50	0.237	1	09/25/21 14:59	09/25/21 14:59	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.00	0.322	1	09/25/21 14:59	09/25/21 14:59	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.00	0.104	1	09/25/21 14:59	09/25/21 14:59	108-67-8	
Vinyl chloride	ND	ug/L	1.00	0.234	1	09/25/21 14:59	09/25/21 14:59	75-01-4	
o-Xylene	ND	ug/L	1.00	0.174	1	09/25/21 14:59	09/25/21 14:59	95-47-6	
m&p-Xylene	ND	ug/L	2.00	0.430	1	09/25/21 14:59	09/25/21 14:59	179601-23-1	
Surrogates									
Toluene-d8 (S)	99.2	%	80.0-120		1	09/25/21 14:59	09/25/21 14:59	2037-26-5	
4-Bromofluorobenzene (S)	89.7	%	77.0-126		1	09/25/21 14:59	09/25/21 14:59	460-00-4	
1,2-Dichloroethane-d4 (S)	91.6	%	70.0-130		1	09/25/21 14:59	09/25/21 14:59	17060-07-0	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92562315

QC Batch: 1746068
QC Batch Method: MADEPV
Analysis Method: MADEP VPH
Analysis Description: MADEPV
Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 92562315001

METHOD BLANK: R3710049-3 Matrix: Water
Associated Lab Samples: 92562315001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (C05-C08)	ug/L	ND	100	33.3	09/24/21 16:25	
Aliphatic (C09-C12)	ug/L	ND	100	33.3	09/24/21 16:25	
Aromatic (C09-C10),Unadjusted	ug/L	ND	100	33.3	09/24/21 16:25	
Total VPH	ug/L	ND	100	33.3	09/24/21 16:25	
2,5-Dibromotoluene (FID)	%	79.1	70.0-130		09/24/21 16:25	
2,5-Dibromotoluene (PID)	%	81.3	70.0-130		09/24/21 16:25	

LABORATORY CONTROL SAMPLE & LCSD: R3710049-1 R3710049-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	ug/L	1200	1280	1280	107	107	70.0-130	0.00	25	
Aliphatic (C09-C12)	ug/L	1400	1260	1270	90.0	90.7	70.0-130	0.791	25	
Aromatic (C09-C10),Unadjusted	ug/L	200	220	217	110	108	70.0-130	1.37	25	
Total VPH	ug/L	2800	2760	2770	98.6	98.9	70.0-130	0.362	25	
2,5-Dibromotoluene (FID)	%				86.9	84.6	70.0-130			
2,5-Dibromotoluene (PID)	%				94.0	91.1	70.0-130			

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92562315

QC Batch: 648632
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92562315001

METHOD BLANK: 3402215 Matrix: Water
Associated Lab Samples: 92562315001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	4.5	09/22/21 16:52	

LABORATORY CONTROL SAMPLE: 3402216

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	499	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3402217 3402218

Parameter	Units	92562311001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	489	493	98	99	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92562315

QC Batch: 1746524
QC Batch Method: 6200B-2011
Analysis Method: SM 6200B
Analysis Description: VOA (GC/MS) 6200B-2011
Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 92562315001

METHOD BLANK: R3710916-2 Matrix: Water
Associated Lab Samples: 92562315001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acetone	ug/L	ND	50.0	11.3	09/25/21 09:56	
Acrolein	ug/L	ND	50.0	2.54	09/25/21 09:56	
Acrylonitrile	ug/L	ND	10.0	0.671	09/25/21 09:56	
Benzene	ug/L	ND	1.00	0.0941	09/25/21 09:56	
Bromobenzene	ug/L	ND	1.00	0.118	09/25/21 09:56	
Bromodichloromethane	ug/L	ND	1.00	0.136	09/25/21 09:56	
Bromoform	ug/L	ND	1.00	0.129	09/25/21 09:56	
Bromomethane	ug/L	ND	5.00	0.605	09/25/21 09:56	
n-Butylbenzene	ug/L	ND	1.00	0.157	09/25/21 09:56	
sec-Butylbenzene	ug/L	ND	1.00	0.125	09/25/21 09:56	
tert-Butylbenzene	ug/L	ND	1.00	0.127	09/25/21 09:56	
Carbon tetrachloride	ug/L	ND	1.00	0.128	09/25/21 09:56	
Chlorobenzene	ug/L	ND	1.00	0.116	09/25/21 09:56	
Dibromochloromethane	ug/L	ND	1.00	0.140	09/25/21 09:56	
Chloroethane	ug/L	ND	5.00	0.192	09/25/21 09:56	
Chloroform	ug/L	ND	5.00	0.111	09/25/21 09:56	
Chloromethane	ug/L	ND	2.50	0.960	09/25/21 09:56	
2-Chlorotoluene	ug/L	ND	1.00	0.106	09/25/21 09:56	
4-Chlorotoluene	ug/L	ND	1.00	0.114	09/25/21 09:56	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.00	0.276	09/25/21 09:56	
1,2-Dibromoethane (EDB)	ug/L	ND	1.00	0.126	09/25/21 09:56	
Dibromomethane	ug/L	ND	1.00	0.122	09/25/21 09:56	
1,2-Dichlorobenzene	ug/L	ND	1.00	0.107	09/25/21 09:56	
1,3-Dichlorobenzene	ug/L	ND	1.00	0.110	09/25/21 09:56	
1,4-Dichlorobenzene	ug/L	ND	1.00	0.120	09/25/21 09:56	
Dichlorodifluoromethane	ug/L	ND	5.00	0.374	09/25/21 09:56	
1,1-Dichloroethane	ug/L	ND	1.00	0.100	09/25/21 09:56	
1,2-Dichloroethane	ug/L	ND	1.00	0.0819	09/25/21 09:56	
1,1-Dichloroethene	ug/L	ND	1.00	0.188	09/25/21 09:56	
cis-1,2-Dichloroethene	ug/L	ND	1.00	0.126	09/25/21 09:56	
trans-1,2-Dichloroethene	ug/L	ND	1.00	0.149	09/25/21 09:56	
1,2-Dichloropropane	ug/L	ND	1.00	0.149	09/25/21 09:56	
1,1-Dichloropropene	ug/L	ND	1.00	0.142	09/25/21 09:56	
1,3-Dichloropropane	ug/L	ND	1.00	0.110	09/25/21 09:56	
2,2-Dichloropropane	ug/L	ND	1.00	0.161	09/25/21 09:56	
Diisopropyl ether	ug/L	ND	1.00	0.105	09/25/21 09:56	
Ethylbenzene	ug/L	ND	1.00	0.137	09/25/21 09:56	
Hexachloro-1,3-butadiene	ug/L	ND	1.00	0.337	09/25/21 09:56	
Isopropylbenzene (Cumene)	ug/L	ND	1.00	0.105	09/25/21 09:56	
p-Isopropyltoluene	ug/L	ND	1.00	0.120	09/25/21 09:56	

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92562315

METHOD BLANK: R3710916-2 Matrix: Water
Associated Lab Samples: 92562315001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
2-Butanone (MEK)	ug/L	ND	10.0	1.19	09/25/21 09:56	
Methylene Chloride	ug/L	ND	5.00	0.430	09/25/21 09:56	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	0.478	09/25/21 09:56	
Methyl-tert-butyl ether	ug/L	ND	1.00	0.101	09/25/21 09:56	
Naphthalene	ug/L	ND	5.00	1.00	09/25/21 09:56	
n-Propylbenzene	ug/L	ND	1.00	0.0993	09/25/21 09:56	
Styrene	ug/L	ND	1.00	0.118	09/25/21 09:56	
1,1,1,2-Tetrachloroethane	ug/L	ND	1.00	0.147	09/25/21 09:56	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.00	0.133	09/25/21 09:56	
Tetrachloroethene	ug/L	ND	1.00	0.300	09/25/21 09:56	
Toluene	ug/L	ND	1.00	0.278	09/25/21 09:56	
1,2,3-Trichlorobenzene	ug/L	ND	1.00	0.230	09/25/21 09:56	
1,2,4-Trichlorobenzene	ug/L	ND	1.00	0.481	09/25/21 09:56	
1,1,1-Trichloroethane	ug/L	ND	1.00	0.149	09/25/21 09:56	
1,1,2-Trichloroethane	ug/L	ND	1.00	0.158	09/25/21 09:56	
Trichloroethene	ug/L	ND	1.00	0.190	09/25/21 09:56	
Trichlorofluoromethane	ug/L	ND	5.00	0.160	09/25/21 09:56	
1,2,3-Trichloropropane	ug/L	ND	2.50	0.237	09/25/21 09:56	
1,2,4-Trimethylbenzene	ug/L	ND	1.00	0.322	09/25/21 09:56	
1,3,5-Trimethylbenzene	ug/L	ND	1.00	0.104	09/25/21 09:56	
Vinyl chloride	ug/L	ND	1.00	0.234	09/25/21 09:56	
o-Xylene	ug/L	ND	1.00	0.174	09/25/21 09:56	
m&p-Xylene	ug/L	ND	2.00	0.430	09/25/21 09:56	
Toluene-d8 (S)	%	101	80.0-120		09/25/21 09:56	
4-Bromofluorobenzene (S)	%	89.1	77.0-126		09/25/21 09:56	
1,2-Dichloroethane-d4 (S)	%	95	70.0-130		09/25/21 09:56	

LABORATORY CONTROL SAMPLE: R3710916-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acetone	ug/L	25.0	27.4	110	19.0-160	
Acrolein	ug/L	25.0	20.7	82.8	10.0-160	
Acrylonitrile	ug/L	25.0	24.4	97.6	55.0-149	
Benzene	ug/L	5.00	4.23	84.6	70.0-123	
Bromobenzene	ug/L	5.00	4.54	90.8	73.0-121	
Bromodichloromethane	ug/L	5.00	4.30	86.0	75.0-120	
Bromoform	ug/L	5.00	4.83	96.6	68.0-132	
Bromomethane	ug/L	5.00	4.10	82.0	10.0-160	
n-Butylbenzene	ug/L	5.00	4.33	86.6	73.0-125	
sec-Butylbenzene	ug/L	5.00	4.38	87.6	75.0-125	
tert-Butylbenzene	ug/L	5.00	4.11	82.2	76.0-124	
Carbon tetrachloride	ug/L	5.00	4.20	84.0	68.0-126	
Chlorobenzene	ug/L	5.00	4.70	94.0	80.0-121	
Dibromochloromethane	ug/L	5.00	4.78	95.6	77.0-125	

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REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92562315

LABORATORY CONTROL SAMPLE: R3710916-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	5.00	4.51	90.2	47.0-150	
Chloroform	ug/L	5.00	4.39	87.8	73.0-120	
Chloromethane	ug/L	5.00	4.85	97.0	41.0-142	
2-Chlorotoluene	ug/L	5.00	4.63	92.6	76.0-123	
4-Chlorotoluene	ug/L	5.00	4.42	88.4	75.0-122	
1,2-Dibromo-3-chloropropane	ug/L	5.00	4.00	80.0	58.0-134	
1,2-Dibromoethane (EDB)	ug/L	5.00	4.90	98.0	80.0-122	
Dibromomethane	ug/L	5.00	4.35	87.0	80.0-120	
1,2-Dichlorobenzene	ug/L	5.00	4.48	89.6	79.0-121	
1,3-Dichlorobenzene	ug/L	5.00	4.27	85.4	79.0-120	
1,4-Dichlorobenzene	ug/L	5.00	4.35	87.0	79.0-120	
Dichlorodifluoromethane	ug/L	5.00	3.80	76.0	51.0-149	
1,1-Dichloroethane	ug/L	5.00	4.23	84.6	70.0-126	
1,2-Dichloroethane	ug/L	5.00	4.42	88.4	70.0-128	
1,1-Dichloroethene	ug/L	5.00	4.21	84.2	71.0-124	
cis-1,2-Dichloroethene	ug/L	5.00	4.06	81.2	73.0-120	
trans-1,2-Dichloroethene	ug/L	5.00	4.45	89.0	73.0-120	
1,2-Dichloropropane	ug/L	5.00	4.43	88.6	77.0-125	
1,1-Dichloropropene	ug/L	5.00	4.43	88.6	74.0-126	
1,3-Dichloropropane	ug/L	5.00	4.65	93.0	80.0-120	
2,2-Dichloropropane	ug/L	5.00	4.67	93.4	58.0-130	
Diisopropyl ether	ug/L	5.00	4.75	95.0	58.0-138	
Ethylbenzene	ug/L	5.00	4.59	91.8	79.0-123	
Hexachloro-1,3-butadiene	ug/L	5.00	3.80	76.0	54.0-138	
Isopropylbenzene (Cumene)	ug/L	5.00	4.33	86.6	76.0-127	
p-Isopropyltoluene	ug/L	5.00	4.15	83.0	76.0-125	
2-Butanone (MEK)	ug/L	25.0	27.2	109	44.0-160	
Methylene Chloride	ug/L	5.00	4.50	90.0	67.0-120	
4-Methyl-2-pentanone (MIBK)	ug/L	25.0	27.8	111	68.0-142	
Methyl-tert-butyl ether	ug/L	5.00	4.50	90.0	68.0-125	
Naphthalene	ug/L	5.00	4.52	90.4	54.0-135	
n-Propylbenzene	ug/L	5.00	4.70	94.0	77.0-124	
Styrene	ug/L	5.00	4.25	85.0	73.0-130	
1,1,1,2-Tetrachloroethane	ug/L	5.00	4.17	83.4	75.0-125	
1,1,2,2-Tetrachloroethane	ug/L	5.00	4.71	94.2	65.0-130	
Tetrachloroethene	ug/L	5.00	4.62	92.4	72.0-132	
Toluene	ug/L	5.00	4.45	89.0	79.0-120	
1,2,3-Trichlorobenzene	ug/L	5.00	4.42	88.4	50.0-138	
1,2,4-Trichlorobenzene	ug/L	5.00	4.06	81.2	57.0-137	
1,1,1-Trichloroethane	ug/L	5.00	3.90	78.0	73.0-124	
1,1,2-Trichloroethane	ug/L	5.00	4.67	93.4	80.0-120	
Trichloroethene	ug/L	5.00	3.77	75.4	78.0-124	L0
Trichlorofluoromethane	ug/L	5.00	4.19	83.8	59.0-147	
1,2,3-Trichloropropane	ug/L	5.00	5.23	105	73.0-130	
1,2,4-Trimethylbenzene	ug/L	5.00	4.35	87.0	76.0-121	
1,3,5-Trimethylbenzene	ug/L	5.00	4.20	84.0	76.0-122	
Vinyl chloride	ug/L	5.00	4.32	86.4	67.0-131	

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92562315

LABORATORY CONTROL SAMPLE: R3710916-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
o-Xylene	ug/L	5.00	4.45	89.0	80.0-122	
m&p-Xylene	ug/L	10.0	8.97	89.7	80.0-122	
Toluene-d8 (S)	%			102	80.0-120	
4-Bromofluorobenzene (S)	%			96.1	77.0-126	
1,2-Dichloroethane-d4 (S)	%			99.5	70.0-130	

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QUALIFIERS

Project: 2020-L1-2448
Pace Project No.: 92562315

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2020-L1-2448
Pace Project No.: 92562315

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92562315001	**13800_HC_RD_20210921**	MADEPV	1746068	MADEP VPH	1746068
92562315001	**13800_HC_RD_20210921**	EPA 3010A	648632	EPA 6010D	648645
92562315001	**13800_HC_RD_20210921**	6200B-2011	1746524	SM 6200B	1746524

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

WO# : 92562315

92562315

Company: Apex Companies	Billing Information:
Address:	
Report To: Andrew Street	Email To: andrew.street@apexcos.com
Copy To:	Site Collection Info/Address: 13800 Huntersville Concord Rd.
Customer Project Name/Number: 2020-LI-2448	State: NC County/City: Huntersville Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET
Phone: / Email:	Site/Facility ID #: / Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Matt Teixeira	Purchase Order #: / Quote #: / DW PWS ID #: / DW Location Code:
Collected By (signature):	Turnaround Date Required: ASAP / Immediately Packed on Ice: [ ] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) / Field Filtered (if applicable): [ ] Yes [ ] No / Analysis:

Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	VOC 6200B	MADEP VPH	Lead							Lab Sample # / Comments
13800-HC-RD-20210921	DW	G	9-21-21	0935				8	X	X	X							92562315 001

Container Preservative Type

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips:			
Sample pH Acceptable	Y	N	NA
pH Strips: 2738194V			
Sulfide Present	Y	N	NA
Lead Acetate Strips:			

LAB USE ONLY:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: bb

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2546689

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#: 92T0C4

Cooler 1 Temp Upon Receipt: 20.0 oC 19.4

Cooler 1 Therm Corr. Factor: 0 oC

Cooler 1 Corrected Temp: 20.0 oC 19.4

Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Matt Teixeira/Apex	9-21-21/1145	JB Pace MV1	9/21/21 1145
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY

Table #:

Acctnum:

Template:

Prelogin:

PM:

PB:

Trip Blank Received: Y N NA

HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: _____ of: _____

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Sample Receiving Non-Conformance Form (NCF)

Date: 9/21/21	Evaluated by: HM
Client: Apex	

WO#: 92562315

PM: AMB Due Date: 09/28/21

CLIENT: 92-APEX MOOR

Pace ber

1. If Chain-of-Custody (COC) is not received: contact client and if necessary, fill out a COC and indicate that it was filled out by lab personnel. Note issues on this NCF.

2. If COC is incomplete, check applicable issues below and add details where appropriate:

	Collection date/time missing or incorrect		Analyses or analytes: missing or clarification needed		Samples listed on COC do not match samples received (missing, additional, etc.)
	Sample IDs on COC do not match sample labels		Required trip blanks were not received		Required signatures are missing

Comments/Details/Other Issues not listed above:

3. Sample integrity issues: check applicable issues below and add details where appropriate:

	Samples: Past holding time		Samples: Condition needs to be brought to lab personnel's attention (details below)		Preservation: Improper
	Samples: Not field filtered		Containers: Broken or compromised	X	Temperature: not within acceptance criteria (typically 0-6C)
	Samples: Insufficient volume received		Containers: Incorrect		Temperature: Samples arrived frozen
	Samples: Cooler damaged or compromised		Custody Seals: Missing or compromised on samples, trip blanks or coolers		Vials received with improper headspace
	Samples: contain chlorine or sulfides		Packing Material: Insufficient/Improper		Other:

Comments/Details: Received out of temp. Ice in bags on top of samples

4. If Samples not preserved properly and Sample Receiving adjusts pH, add details below:

Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:
Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:
Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:

5. Client Contact: If client is contacted for any issue listed above, fill in details below:

Client:	Contacted per:	
PM Initials:	Date/Time:	

Client Comments/Instructions:

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 01, 2021

Andrew Street
Apex Companies - NC
5900 Northwoods Business Pkwy
Suite 5900-0
Charlotte, NC 28269

RE: Project: 2020-L1-2448
Pace Project No.: 92562318

Dear Andrew Street:

Enclosed are the analytical results for sample(s) received by the laboratory on September 21, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Asheville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angela M. Baioni

Angela Baioni
angela.baioni@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: J Culbreath, Colonial Pipeline Company
Naomi Fretz, APEX Companies, LLC
Robert Hughes, Colonial Pipeline
Cameron Lee, Montrose-EPS
Jamie Moran, APEX Companies, LLC
Jeff Morrison, Colonial Pipeline Company
Tom Naumann, APEX Companies - NC
Joe Nicolette, Montrose-EPS
Kaitlyn Nootens, Apex Companies
Christopher Schultz, Apex Companies
Matt Teixeira, Apex Companies, LLC
Michael Verdon, Colonial Pipeline Company
JM Wyatt, Colonial Pipeline Company

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CERTIFICATIONS

Project: 2020-L1-2448
Pace Project No.: 92562318

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

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SAMPLE SUMMARY

Project: 2020-L1-2448
Pace Project No.: 92562318

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92562318001	**14401_HC_RD_20210921**	Water	09/21/21 10:10	09/21/21 11:45

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SAMPLE ANALYTE COUNT

Project: 2020-L1-2448
Pace Project No.: 92562318

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92562318001	**14401_HC_RD_20210921**	MADEP VPH	ACG	6	PAN
		EPA 6010D	RDT	1	PASI-A
		SM 6200B	JAH	66	PAN

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville

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ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92562318

Sample: 14401_HC_RD_20210921 **Lab ID: 92562318001** Collected: 09/21/21 10:10 Received: 09/21/21 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
MADEPV	Analytical Method: MADEP VPH Preparation Method: MADEPV Pace National - Mt. Juliet								
Aliphatic (C05-C08)	ND	ug/L	100	33.3	1	09/24/21 20:18	09/24/21 20:18		
Aliphatic (C09-C12)	ND	ug/L	100	33.3	1	09/24/21 20:18	09/24/21 20:18		
Aromatic (C09-C10),Unadjusted	ND	ug/L	100	33.3	1	09/24/21 20:18	09/24/21 20:18	TPHC9C10A	
Total VPH	ND	ug/L	100	33.3	1	09/24/21 20:18	09/24/21 20:18	VPH	
Surrogates									
2,5-Dibromotoluene (FID)	85.0	%	70.0-130		1	09/24/21 20:18	09/24/21 20:18	615-59-8FID	
2,5-Dibromotoluene (PID)	89.9	%	70.0-130		1	09/24/21 20:18	09/24/21 20:18	615-59-8PID	
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/22/21 01:56	09/22/21 18:55	7439-92-1	
VOA (GC/MS) 6200B-2011	Analytical Method: SM 6200B Preparation Method: 6200B-2011 Pace National - Mt. Juliet								
Acetone	ND	ug/L	50.0	11.3	1	09/25/21 14:39	09/25/21 14:39	67-64-1	
Acrolein	ND	ug/L	50.0	2.54	1	09/25/21 14:39	09/25/21 14:39	107-02-8	
Acrylonitrile	ND	ug/L	10.0	0.671	1	09/25/21 14:39	09/25/21 14:39	107-13-1	
Benzene	ND	ug/L	1.00	0.0941	1	09/25/21 14:39	09/25/21 14:39	71-43-2	
Bromobenzene	ND	ug/L	1.00	0.118	1	09/25/21 14:39	09/25/21 14:39	108-86-1	
Bromodichloromethane	ND	ug/L	1.00	0.136	1	09/25/21 14:39	09/25/21 14:39	75-27-4	
Bromoform	ND	ug/L	1.00	0.129	1	09/25/21 14:39	09/25/21 14:39	75-25-2	
Bromomethane	ND	ug/L	5.00	0.605	1	09/25/21 14:39	09/25/21 14:39	74-83-9	
n-Butylbenzene	ND	ug/L	1.00	0.157	1	09/25/21 14:39	09/25/21 14:39	104-51-8	
sec-Butylbenzene	ND	ug/L	1.00	0.125	1	09/25/21 14:39	09/25/21 14:39	135-98-8	
tert-Butylbenzene	ND	ug/L	1.00	0.127	1	09/25/21 14:39	09/25/21 14:39	98-06-6	
Carbon tetrachloride	ND	ug/L	1.00	0.128	1	09/25/21 14:39	09/25/21 14:39	56-23-5	
Chlorobenzene	ND	ug/L	1.00	0.116	1	09/25/21 14:39	09/25/21 14:39	108-90-7	
Dibromochloromethane	ND	ug/L	1.00	0.140	1	09/25/21 14:39	09/25/21 14:39	124-48-1	
Chloroethane	ND	ug/L	5.00	0.192	1	09/25/21 14:39	09/25/21 14:39	75-00-3	
Chloroform	ND	ug/L	5.00	0.111	1	09/25/21 14:39	09/25/21 14:39	67-66-3	
Chloromethane	ND	ug/L	2.50	0.960	1	09/25/21 14:39	09/25/21 14:39	74-87-3	
2-Chlorotoluene	ND	ug/L	1.00	0.106	1	09/25/21 14:39	09/25/21 14:39	95-49-8	
4-Chlorotoluene	ND	ug/L	1.00	0.114	1	09/25/21 14:39	09/25/21 14:39	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.00	0.276	1	09/25/21 14:39	09/25/21 14:39	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.00	0.126	1	09/25/21 14:39	09/25/21 14:39	106-93-4	
Dibromomethane	ND	ug/L	1.00	0.122	1	09/25/21 14:39	09/25/21 14:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.00	0.107	1	09/25/21 14:39	09/25/21 14:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.00	0.110	1	09/25/21 14:39	09/25/21 14:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.00	0.120	1	09/25/21 14:39	09/25/21 14:39	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.00	0.374	1	09/25/21 14:39	09/25/21 14:39	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.00	0.100	1	09/25/21 14:39	09/25/21 14:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.00	0.0819	1	09/25/21 14:39	09/25/21 14:39	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.00	0.188	1	09/25/21 14:39	09/25/21 14:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.00	0.126	1	09/25/21 14:39	09/25/21 14:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.00	0.149	1	09/25/21 14:39	09/25/21 14:39	156-60-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92562318

Sample: 14401_HC_RD_20210921 **Lab ID: 92562318001** Collected: 09/21/21 10:10 Received: 09/21/21 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC/MS) 6200B-2011	Analytical Method: SM 6200B Preparation Method: 6200B-2011 Pace National - Mt. Juliet								
1,2-Dichloropropane	ND	ug/L	1.00	0.149	1	09/25/21 14:39	09/25/21 14:39	78-87-5	
1,1-Dichloropropene	ND	ug/L	1.00	0.142	1	09/25/21 14:39	09/25/21 14:39	563-58-6	
1,3-Dichloropropane	ND	ug/L	1.00	0.110	1	09/25/21 14:39	09/25/21 14:39	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.00	0.161	1	09/25/21 14:39	09/25/21 14:39	594-20-7	
Diisopropyl ether	ND	ug/L	1.00	0.105	1	09/25/21 14:39	09/25/21 14:39	108-20-3	
Ethylbenzene	ND	ug/L	1.00	0.137	1	09/25/21 14:39	09/25/21 14:39	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.00	0.337	1	09/25/21 14:39	09/25/21 14:39	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.00	0.105	1	09/25/21 14:39	09/25/21 14:39	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.00	0.120	1	09/25/21 14:39	09/25/21 14:39	99-87-6	
2-Butanone (MEK)	ND	ug/L	10.0	1.19	1	09/25/21 14:39	09/25/21 14:39	78-93-3	
Methylene Chloride	ND	ug/L	5.00	0.430	1	09/25/21 14:39	09/25/21 14:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.478	1	09/25/21 14:39	09/25/21 14:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.00	0.101	1	09/25/21 14:39	09/25/21 14:39	1634-04-4	
Naphthalene	ND	ug/L	5.00	1.00	1	09/25/21 14:39	09/25/21 14:39	91-20-3	
n-Propylbenzene	ND	ug/L	1.00	0.0993	1	09/25/21 14:39	09/25/21 14:39	103-65-1	
Styrene	ND	ug/L	1.00	0.118	1	09/25/21 14:39	09/25/21 14:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.00	0.147	1	09/25/21 14:39	09/25/21 14:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.00	0.133	1	09/25/21 14:39	09/25/21 14:39	79-34-5	
Tetrachloroethene	ND	ug/L	1.00	0.300	1	09/25/21 14:39	09/25/21 14:39	127-18-4	
Toluene	ND	ug/L	1.00	0.278	1	09/25/21 14:39	09/25/21 14:39	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.00	0.230	1	09/25/21 14:39	09/25/21 14:39	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.00	0.481	1	09/25/21 14:39	09/25/21 14:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.00	0.149	1	09/25/21 14:39	09/25/21 14:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.00	0.158	1	09/25/21 14:39	09/25/21 14:39	79-00-5	
Trichloroethene	ND	ug/L	1.00	0.190	1	09/25/21 14:39	09/25/21 14:39	79-01-6	L0
Trichlorofluoromethane	ND	ug/L	5.00	0.160	1	09/25/21 14:39	09/25/21 14:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.50	0.237	1	09/25/21 14:39	09/25/21 14:39	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.00	0.322	1	09/25/21 14:39	09/25/21 14:39	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.00	0.104	1	09/25/21 14:39	09/25/21 14:39	108-67-8	
Vinyl chloride	ND	ug/L	1.00	0.234	1	09/25/21 14:39	09/25/21 14:39	75-01-4	
o-Xylene	ND	ug/L	1.00	0.174	1	09/25/21 14:39	09/25/21 14:39	95-47-6	
m&p-Xylene	ND	ug/L	2.00	0.430	1	09/25/21 14:39	09/25/21 14:39	179601-23-1	
Surrogates									
Toluene-d8 (S)	100	%	80.0-120		1	09/25/21 14:39	09/25/21 14:39	2037-26-5	
4-Bromofluorobenzene (S)	87.8	%	77.0-126		1	09/25/21 14:39	09/25/21 14:39	460-00-4	
1,2-Dichloroethane-d4 (S)	96.9	%	70.0-130		1	09/25/21 14:39	09/25/21 14:39	17060-07-0	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92562318

QC Batch: 1746068
QC Batch Method: MADEPV
Analysis Method: MADEP VPH
Analysis Description: MADEPV
Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 92562318001

METHOD BLANK: R3710049-3 Matrix: Water
Associated Lab Samples: 92562318001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (C05-C08)	ug/L	ND	100	33.3	09/24/21 16:25	
Aliphatic (C09-C12)	ug/L	ND	100	33.3	09/24/21 16:25	
Aromatic (C09-C10),Unadjusted	ug/L	ND	100	33.3	09/24/21 16:25	
Total VPH	ug/L	ND	100	33.3	09/24/21 16:25	
2,5-Dibromotoluene (FID)	%	79.1	70.0-130		09/24/21 16:25	
2,5-Dibromotoluene (PID)	%	81.3	70.0-130		09/24/21 16:25	

LABORATORY CONTROL SAMPLE & LCSD: R3710049-1 R3710049-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	ug/L	1200	1280	1280	107	107	70.0-130	0.00	25	
Aliphatic (C09-C12)	ug/L	1400	1260	1270	90.0	90.7	70.0-130	0.791	25	
Aromatic (C09-C10),Unadjusted	ug/L	200	220	217	110	108	70.0-130	1.37	25	
Total VPH	ug/L	2800	2760	2770	98.6	98.9	70.0-130	0.362	25	
2,5-Dibromotoluene (FID)	%				86.9	84.6	70.0-130			
2,5-Dibromotoluene (PID)	%				94.0	91.1	70.0-130			

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92562318

QC Batch: 648632
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92562318001

METHOD BLANK: 3402215 Matrix: Water
Associated Lab Samples: 92562318001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	4.5	09/22/21 16:52	

LABORATORY CONTROL SAMPLE: 3402216

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	499	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3402217 3402218

Parameter	Units	92562311001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	489	493	98	99	75-125	1	20	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92562318

QC Batch: 1746524
QC Batch Method: 6200B-2011
Analysis Method: SM 6200B
Analysis Description: VOA (GC/MS) 6200B-2011
Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 92562318001

METHOD BLANK: R3710916-2 Matrix: Water
Associated Lab Samples: 92562318001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acetone	ug/L	ND	50.0	11.3	09/25/21 09:56	
Acrolein	ug/L	ND	50.0	2.54	09/25/21 09:56	
Acrylonitrile	ug/L	ND	10.0	0.671	09/25/21 09:56	
Benzene	ug/L	ND	1.00	0.0941	09/25/21 09:56	
Bromobenzene	ug/L	ND	1.00	0.118	09/25/21 09:56	
Bromodichloromethane	ug/L	ND	1.00	0.136	09/25/21 09:56	
Bromoform	ug/L	ND	1.00	0.129	09/25/21 09:56	
Bromomethane	ug/L	ND	5.00	0.605	09/25/21 09:56	
n-Butylbenzene	ug/L	ND	1.00	0.157	09/25/21 09:56	
sec-Butylbenzene	ug/L	ND	1.00	0.125	09/25/21 09:56	
tert-Butylbenzene	ug/L	ND	1.00	0.127	09/25/21 09:56	
Carbon tetrachloride	ug/L	ND	1.00	0.128	09/25/21 09:56	
Chlorobenzene	ug/L	ND	1.00	0.116	09/25/21 09:56	
Dibromochloromethane	ug/L	ND	1.00	0.140	09/25/21 09:56	
Chloroethane	ug/L	ND	5.00	0.192	09/25/21 09:56	
Chloroform	ug/L	ND	5.00	0.111	09/25/21 09:56	
Chloromethane	ug/L	ND	2.50	0.960	09/25/21 09:56	
2-Chlorotoluene	ug/L	ND	1.00	0.106	09/25/21 09:56	
4-Chlorotoluene	ug/L	ND	1.00	0.114	09/25/21 09:56	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.00	0.276	09/25/21 09:56	
1,2-Dibromoethane (EDB)	ug/L	ND	1.00	0.126	09/25/21 09:56	
Dibromomethane	ug/L	ND	1.00	0.122	09/25/21 09:56	
1,2-Dichlorobenzene	ug/L	ND	1.00	0.107	09/25/21 09:56	
1,3-Dichlorobenzene	ug/L	ND	1.00	0.110	09/25/21 09:56	
1,4-Dichlorobenzene	ug/L	ND	1.00	0.120	09/25/21 09:56	
Dichlorodifluoromethane	ug/L	ND	5.00	0.374	09/25/21 09:56	
1,1-Dichloroethane	ug/L	ND	1.00	0.100	09/25/21 09:56	
1,2-Dichloroethane	ug/L	ND	1.00	0.0819	09/25/21 09:56	
1,1-Dichloroethene	ug/L	ND	1.00	0.188	09/25/21 09:56	
cis-1,2-Dichloroethene	ug/L	ND	1.00	0.126	09/25/21 09:56	
trans-1,2-Dichloroethene	ug/L	ND	1.00	0.149	09/25/21 09:56	
1,2-Dichloropropane	ug/L	ND	1.00	0.149	09/25/21 09:56	
1,1-Dichloropropene	ug/L	ND	1.00	0.142	09/25/21 09:56	
1,3-Dichloropropane	ug/L	ND	1.00	0.110	09/25/21 09:56	
2,2-Dichloropropane	ug/L	ND	1.00	0.161	09/25/21 09:56	
Diisopropyl ether	ug/L	ND	1.00	0.105	09/25/21 09:56	
Ethylbenzene	ug/L	ND	1.00	0.137	09/25/21 09:56	
Hexachloro-1,3-butadiene	ug/L	ND	1.00	0.337	09/25/21 09:56	
Isopropylbenzene (Cumene)	ug/L	ND	1.00	0.105	09/25/21 09:56	
p-Isopropyltoluene	ug/L	ND	1.00	0.120	09/25/21 09:56	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92562318

METHOD BLANK: R3710916-2 Matrix: Water
Associated Lab Samples: 92562318001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
2-Butanone (MEK)	ug/L	ND	10.0	1.19	09/25/21 09:56	
Methylene Chloride	ug/L	ND	5.00	0.430	09/25/21 09:56	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	0.478	09/25/21 09:56	
Methyl-tert-butyl ether	ug/L	ND	1.00	0.101	09/25/21 09:56	
Naphthalene	ug/L	ND	5.00	1.00	09/25/21 09:56	
n-Propylbenzene	ug/L	ND	1.00	0.0993	09/25/21 09:56	
Styrene	ug/L	ND	1.00	0.118	09/25/21 09:56	
1,1,1,2-Tetrachloroethane	ug/L	ND	1.00	0.147	09/25/21 09:56	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.00	0.133	09/25/21 09:56	
Tetrachloroethene	ug/L	ND	1.00	0.300	09/25/21 09:56	
Toluene	ug/L	ND	1.00	0.278	09/25/21 09:56	
1,2,3-Trichlorobenzene	ug/L	ND	1.00	0.230	09/25/21 09:56	
1,2,4-Trichlorobenzene	ug/L	ND	1.00	0.481	09/25/21 09:56	
1,1,1-Trichloroethane	ug/L	ND	1.00	0.149	09/25/21 09:56	
1,1,2-Trichloroethane	ug/L	ND	1.00	0.158	09/25/21 09:56	
Trichloroethene	ug/L	ND	1.00	0.190	09/25/21 09:56	
Trichlorofluoromethane	ug/L	ND	5.00	0.160	09/25/21 09:56	
1,2,3-Trichloropropane	ug/L	ND	2.50	0.237	09/25/21 09:56	
1,2,4-Trimethylbenzene	ug/L	ND	1.00	0.322	09/25/21 09:56	
1,3,5-Trimethylbenzene	ug/L	ND	1.00	0.104	09/25/21 09:56	
Vinyl chloride	ug/L	ND	1.00	0.234	09/25/21 09:56	
o-Xylene	ug/L	ND	1.00	0.174	09/25/21 09:56	
m&p-Xylene	ug/L	ND	2.00	0.430	09/25/21 09:56	
Toluene-d8 (S)	%	101	80.0-120		09/25/21 09:56	
4-Bromofluorobenzene (S)	%	89.1	77.0-126		09/25/21 09:56	
1,2-Dichloroethane-d4 (S)	%	95	70.0-130		09/25/21 09:56	

LABORATORY CONTROL SAMPLE: R3710916-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acetone	ug/L	25.0	27.4	110	19.0-160	
Acrolein	ug/L	25.0	20.7	82.8	10.0-160	
Acrylonitrile	ug/L	25.0	24.4	97.6	55.0-149	
Benzene	ug/L	5.00	4.23	84.6	70.0-123	
Bromobenzene	ug/L	5.00	4.54	90.8	73.0-121	
Bromodichloromethane	ug/L	5.00	4.30	86.0	75.0-120	
Bromoform	ug/L	5.00	4.83	96.6	68.0-132	
Bromomethane	ug/L	5.00	4.10	82.0	10.0-160	
n-Butylbenzene	ug/L	5.00	4.33	86.6	73.0-125	
sec-Butylbenzene	ug/L	5.00	4.38	87.6	75.0-125	
tert-Butylbenzene	ug/L	5.00	4.11	82.2	76.0-124	
Carbon tetrachloride	ug/L	5.00	4.20	84.0	68.0-126	
Chlorobenzene	ug/L	5.00	4.70	94.0	80.0-121	
Dibromochloromethane	ug/L	5.00	4.78	95.6	77.0-125	

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92562318

LABORATORY CONTROL SAMPLE: R3710916-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	5.00	4.51	90.2	47.0-150	
Chloroform	ug/L	5.00	4.39	87.8	73.0-120	
Chloromethane	ug/L	5.00	4.85	97.0	41.0-142	
2-Chlorotoluene	ug/L	5.00	4.63	92.6	76.0-123	
4-Chlorotoluene	ug/L	5.00	4.42	88.4	75.0-122	
1,2-Dibromo-3-chloropropane	ug/L	5.00	4.00	80.0	58.0-134	
1,2-Dibromoethane (EDB)	ug/L	5.00	4.90	98.0	80.0-122	
Dibromomethane	ug/L	5.00	4.35	87.0	80.0-120	
1,2-Dichlorobenzene	ug/L	5.00	4.48	89.6	79.0-121	
1,3-Dichlorobenzene	ug/L	5.00	4.27	85.4	79.0-120	
1,4-Dichlorobenzene	ug/L	5.00	4.35	87.0	79.0-120	
Dichlorodifluoromethane	ug/L	5.00	3.80	76.0	51.0-149	
1,1-Dichloroethane	ug/L	5.00	4.23	84.6	70.0-126	
1,2-Dichloroethane	ug/L	5.00	4.42	88.4	70.0-128	
1,1-Dichloroethene	ug/L	5.00	4.21	84.2	71.0-124	
cis-1,2-Dichloroethene	ug/L	5.00	4.06	81.2	73.0-120	
trans-1,2-Dichloroethene	ug/L	5.00	4.45	89.0	73.0-120	
1,2-Dichloropropane	ug/L	5.00	4.43	88.6	77.0-125	
1,1-Dichloropropene	ug/L	5.00	4.43	88.6	74.0-126	
1,3-Dichloropropane	ug/L	5.00	4.65	93.0	80.0-120	
2,2-Dichloropropane	ug/L	5.00	4.67	93.4	58.0-130	
Diisopropyl ether	ug/L	5.00	4.75	95.0	58.0-138	
Ethylbenzene	ug/L	5.00	4.59	91.8	79.0-123	
Hexachloro-1,3-butadiene	ug/L	5.00	3.80	76.0	54.0-138	
Isopropylbenzene (Cumene)	ug/L	5.00	4.33	86.6	76.0-127	
p-Isopropyltoluene	ug/L	5.00	4.15	83.0	76.0-125	
2-Butanone (MEK)	ug/L	25.0	27.2	109	44.0-160	
Methylene Chloride	ug/L	5.00	4.50	90.0	67.0-120	
4-Methyl-2-pentanone (MIBK)	ug/L	25.0	27.8	111	68.0-142	
Methyl-tert-butyl ether	ug/L	5.00	4.50	90.0	68.0-125	
Naphthalene	ug/L	5.00	4.52	90.4	54.0-135	
n-Propylbenzene	ug/L	5.00	4.70	94.0	77.0-124	
Styrene	ug/L	5.00	4.25	85.0	73.0-130	
1,1,1,2-Tetrachloroethane	ug/L	5.00	4.17	83.4	75.0-125	
1,1,2,2-Tetrachloroethane	ug/L	5.00	4.71	94.2	65.0-130	
Tetrachloroethene	ug/L	5.00	4.62	92.4	72.0-132	
Toluene	ug/L	5.00	4.45	89.0	79.0-120	
1,2,3-Trichlorobenzene	ug/L	5.00	4.42	88.4	50.0-138	
1,2,4-Trichlorobenzene	ug/L	5.00	4.06	81.2	57.0-137	
1,1,1-Trichloroethane	ug/L	5.00	3.90	78.0	73.0-124	
1,1,2-Trichloroethane	ug/L	5.00	4.67	93.4	80.0-120	
Trichloroethene	ug/L	5.00	3.77	75.4	78.0-124	L0
Trichlorofluoromethane	ug/L	5.00	4.19	83.8	59.0-147	
1,2,3-Trichloropropane	ug/L	5.00	5.23	105	73.0-130	
1,2,4-Trimethylbenzene	ug/L	5.00	4.35	87.0	76.0-121	
1,3,5-Trimethylbenzene	ug/L	5.00	4.20	84.0	76.0-122	
Vinyl chloride	ug/L	5.00	4.32	86.4	67.0-131	

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92562318

LABORATORY CONTROL SAMPLE: R3710916-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
o-Xylene	ug/L	5.00	4.45	89.0	80.0-122	
m&p-Xylene	ug/L	10.0	8.97	89.7	80.0-122	
Toluene-d8 (S)	%			102	80.0-120	
4-Bromofluorobenzene (S)	%			96.1	77.0-126	
1,2-Dichloroethane-d4 (S)	%			99.5	70.0-130	

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(704)875-9092

QUALIFIERS

Project: 2020-L1-2448
Pace Project No.: 92562318

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2020-L1-2448
Pace Project No.: 92562318

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92562318001	**14401_HC_RD_20210921**	MADEPV	1746068	MADEP VPH	1746068
92562318001	**14401_HC_RD_20210921**	EPA 3010A	648632	EPA 6010D	648645
92562318001	**14401_HC_RD_20210921**	6200B-2011	1746524	SM 6200B	1746524

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

WO# : 92562318

92562318

Company: Apex Companies	Billing Information:
Address:	
Report To: Andrew Street	Email To: andrew.street@apexcos.com
Copy To:	Site Collection Info/Address: 14401 Huntersville Concord Rd
Customer Project Name/Number: 2020-LI-2448	State: NC County/City: Huntersville Time Zone Collected: [ ]PT [ ]MT [ ]CT [ ]ET
Phone: Email:	Site/Facility ID #:
Collected By (print): Matt Teixeira	Purchase Order #: Quote #:
Collected By (signature):	Turnaround Date Required: ASAP
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)

Compliance Monitoring? [ ] Yes [ ] No

DW PWS ID #: DW Location Code:

Immediately Packed on Ice: [ ] Yes [ ] No

Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

Container Preservative Type **

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	VOC 6200B	MADEP VPH	Lead	Lab Sample # / Comments
14401-HC-RD_20210921	DW	G	9-21-21	10:10				8	X	X	X	001

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips:	
Sample pH Acceptable	Y N NA
pH Strips: 223819AV	
Sulfide Present	Y N NA
Lead Acetate Strips:	

LAB USE ONLY:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: bb

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2546690

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#: 97Dc4

Cooler 1 Temp Upon Receipt: 20.2 oC 19.4

Cooler 1 Therm Corr. Factor: 0 oC

Cooler 1 Corrected Temp: 20.0 oC 19.4

Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Matt Teixeira / Apex	9-21-21 / 1145	JB Pace MVL	9/21/21 1145
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY

Table #:

Acctnum:

Template:

Prelogin:

PM:

PB:

Trip Blank Received: Y N NA

HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: _____ of: _____

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www.paceanalytical.com

Sample Receiving Non-Conform

Date: 9/21/21	**Evaluated by:** HNS
Client: Apex	

WO#: 92562318
PM: AMB Due Date: 09/28/21
CLIENT: 92-APEX MOOR

1. If Chain-of-Custody (COC) is not received: contact client and if necessary, fill out a COC and indicate that it was filled out by lab personnel. Note issues on this NCF.

2. If COC is incomplete, check applicable issues below and add details where appropriate:

Collection date/time missing or incorrect	Analyses or analytes: missing or clarification needed	Samples listed on COC do not match samples received (missing, additional, etc.)
Sample IDs on COC do not match sample labels	Required trip blanks were not received	Required signatures are missing

Comments/Details/Other Issues not listed above:

3. Sample integrity issues: check applicable issues below and add details where appropriate:

Samples: Past holding time	Samples: Condition needs to be brought to lab personnel's attention (details below)	Preservation: Improper
Samples: Not field filtered	Containers: Broken or compromised	X Temperature: not within acceptance criteria (typically 0-6C)
Samples: Insufficient volume received	Containers: Incorrect	Temperature: Samples arrived frozen
Samples: Cooler damaged or compromised	Custody Seals: Missing or compromised on samples, trip blanks or coolers	Vials received with improper headspace
Samples: contain chlorine or sulfides	Packing Material: Insufficient/Improper	Other:

Comments/Details: Received out of temp. Ice in bags on top of samples

4. If Samples not preserved properly and Sample Receiving adjusts pH, add details below:

Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:
Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:
Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:

5. Client Contact: If client is contacted for any issue listed above, fill in details below:

Client:	Contacted per:	
PM Initials:	Date/Time:	

Client Comments/Instructions:

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 01, 2021

Andrew Street
Apex Companies - NC
5900 Northwoods Business Pkwy
Suite 5900-0
Charlotte, NC 28269

RE: Project: 2020-L1-2448
Pace Project No.: 92562323

Dear Andrew Street:

Enclosed are the analytical results for sample(s) received by the laboratory on September 21, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Asheville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angela M. Baioni

Angela Baioni
angela.baioni@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: J Culbreath, Colonial Pipeline Company
Naomi Fretz, APEX Companies, LLC
Robert Hughes, Colonial Pipeline
Cameron Lee, Montrose-EPS
Jamie Moran, APEX Companies, LLC
Jeff Morrison, Colonial Pipeline Company
Tom Naumann, APEX Companies - NC
Joe Nicolette, Montrose-EPS
Kaitlyn Nootens, Apex Companies
Christopher Schultz, Apex Companies
Matt Teixeira, Apex Companies, LLC
Michael Verdon, Colonial Pipeline Company
JM Wyatt, Colonial Pipeline Company

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 2020-L1-2448
Pace Project No.: 92562323

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

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SAMPLE SUMMARY

Project: 2020-L1-2448
Pace Project No.: 92562323

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92562323001	**DUP-1**	Water	09/21/21 00:00	09/21/21 11:45
92562323002	**FB-1**	Water	09/21/21 00:00	09/21/21 11:45
92562323003	**TRIP BLANK**	Water	09/21/21 00:00	09/21/21 11:45

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SAMPLE ANALYTE COUNT

Project: 2020-L1-2448
Pace Project No.: 92562323

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92562323001	**DUP-1**	MADEP VPH	ACG	6	PAN
		EPA 6010D	RDT	1	PASI-A
		SM 6200B	JAH	66	PAN
92562323002	**FB-1**	MADEP VPH	ACG	6	PAN
		EPA 6010D	RDT	1	PASI-A
		SM 6200B	JAH	66	PAN
92562323003	**TRIP BLANK**	SM 6200B	JAH	66	PAN

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville

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ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92562323

Sample: DUP-1 **Lab ID: 92562323001** Collected: 09/21/21 00:00 Received: 09/21/21 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
MADEPV	Analytical Method: MADEP VPH Preparation Method: MADEPV Pace National - Mt. Juliet								
Aliphatic (C05-C08)	ND	ug/L	100	33.3	1	09/24/21 21:58	09/24/21 21:58		
Aliphatic (C09-C12)	ND	ug/L	100	33.3	1	09/24/21 21:58	09/24/21 21:58		
Aromatic (C09-C10),Unadjusted	ND	ug/L	100	33.3	1	09/24/21 21:58	09/24/21 21:58	TPHC9C10A	
Total VPH	ND	ug/L	100	33.3	1	09/24/21 21:58	09/24/21 21:58	VPH	
Surrogates									
2,5-Dibromotoluene (FID)	91.9	%	70.0-130		1	09/24/21 21:58	09/24/21 21:58	615-59-8FID	
2,5-Dibromotoluene (PID)	95.8	%	70.0-130		1	09/24/21 21:58	09/24/21 21:58	615-59-8PID	
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/22/21 01:56	09/22/21 18:59	7439-92-1	
VOA (GC/MS) 6200B-2011	Analytical Method: SM 6200B Preparation Method: 6200B-2011 Pace National - Mt. Juliet								
Acetone	ND	ug/L	50.0	11.3	1	09/25/21 19:23	09/25/21 19:23	67-64-1	
Acrolein	ND	ug/L	50.0	2.54	1	09/25/21 19:23	09/25/21 19:23	107-02-8	
Acrylonitrile	ND	ug/L	10.0	0.671	1	09/25/21 19:23	09/25/21 19:23	107-13-1	
Benzene	ND	ug/L	1.00	0.0941	1	09/25/21 19:23	09/25/21 19:23	71-43-2	
Bromobenzene	ND	ug/L	1.00	0.118	1	09/25/21 19:23	09/25/21 19:23	108-86-1	
Bromodichloromethane	ND	ug/L	1.00	0.136	1	09/25/21 19:23	09/25/21 19:23	75-27-4	
Bromoform	ND	ug/L	1.00	0.129	1	09/25/21 19:23	09/25/21 19:23	75-25-2	
Bromomethane	ND	ug/L	5.00	0.605	1	09/25/21 19:23	09/25/21 19:23	74-83-9	
n-Butylbenzene	ND	ug/L	1.00	0.157	1	09/25/21 19:23	09/25/21 19:23	104-51-8	
sec-Butylbenzene	ND	ug/L	1.00	0.125	1	09/25/21 19:23	09/25/21 19:23	135-98-8	
tert-Butylbenzene	ND	ug/L	1.00	0.127	1	09/25/21 19:23	09/25/21 19:23	98-06-6	
Carbon tetrachloride	ND	ug/L	1.00	0.128	1	09/25/21 19:23	09/25/21 19:23	56-23-5	
Chlorobenzene	ND	ug/L	1.00	0.116	1	09/25/21 19:23	09/25/21 19:23	108-90-7	
Dibromochloromethane	ND	ug/L	1.00	0.140	1	09/25/21 19:23	09/25/21 19:23	124-48-1	
Chloroethane	ND	ug/L	5.00	0.192	1	09/25/21 19:23	09/25/21 19:23	75-00-3	
Chloroform	ND	ug/L	5.00	0.111	1	09/25/21 19:23	09/25/21 19:23	67-66-3	
Chloromethane	ND	ug/L	2.50	0.960	1	09/25/21 19:23	09/25/21 19:23	74-87-3	
2-Chlorotoluene	ND	ug/L	1.00	0.106	1	09/25/21 19:23	09/25/21 19:23	95-49-8	
4-Chlorotoluene	ND	ug/L	1.00	0.114	1	09/25/21 19:23	09/25/21 19:23	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.00	0.276	1	09/25/21 19:23	09/25/21 19:23	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.00	0.126	1	09/25/21 19:23	09/25/21 19:23	106-93-4	
Dibromomethane	ND	ug/L	1.00	0.122	1	09/25/21 19:23	09/25/21 19:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.00	0.107	1	09/25/21 19:23	09/25/21 19:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.00	0.110	1	09/25/21 19:23	09/25/21 19:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.00	0.120	1	09/25/21 19:23	09/25/21 19:23	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.00	0.374	1	09/25/21 19:23	09/25/21 19:23	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.00	0.100	1	09/25/21 19:23	09/25/21 19:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.00	0.0819	1	09/25/21 19:23	09/25/21 19:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.00	0.188	1	09/25/21 19:23	09/25/21 19:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.00	0.126	1	09/25/21 19:23	09/25/21 19:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.00	0.149	1	09/25/21 19:23	09/25/21 19:23	156-60-5	

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(704)875-9092

ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92562323

Sample: DUP-1 **Lab ID: 92562323001** Collected: 09/21/21 00:00 Received: 09/21/21 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC/MS) 6200B-2011	Analytical Method: SM 6200B Preparation Method: 6200B-2011 Pace National - Mt. Juliet								
1,2-Dichloropropane	ND	ug/L	1.00	0.149	1	09/25/21 19:23	09/25/21 19:23	78-87-5	
1,1-Dichloropropene	ND	ug/L	1.00	0.142	1	09/25/21 19:23	09/25/21 19:23	563-58-6	
1,3-Dichloropropane	ND	ug/L	1.00	0.110	1	09/25/21 19:23	09/25/21 19:23	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.00	0.161	1	09/25/21 19:23	09/25/21 19:23	594-20-7	
Diisopropyl ether	ND	ug/L	1.00	0.105	1	09/25/21 19:23	09/25/21 19:23	108-20-3	
Ethylbenzene	ND	ug/L	1.00	0.137	1	09/25/21 19:23	09/25/21 19:23	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.00	0.337	1	09/25/21 19:23	09/25/21 19:23	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.00	0.105	1	09/25/21 19:23	09/25/21 19:23	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.00	0.120	1	09/25/21 19:23	09/25/21 19:23	99-87-6	
2-Butanone (MEK)	ND	ug/L	10.0	1.19	1	09/25/21 19:23	09/25/21 19:23	78-93-3	
Methylene Chloride	ND	ug/L	5.00	0.430	1	09/25/21 19:23	09/25/21 19:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.478	1	09/25/21 19:23	09/25/21 19:23	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.00	0.101	1	09/25/21 19:23	09/25/21 19:23	1634-04-4	
Naphthalene	ND	ug/L	5.00	1.00	1	09/25/21 19:23	09/25/21 19:23	91-20-3	
n-Propylbenzene	ND	ug/L	1.00	0.0993	1	09/25/21 19:23	09/25/21 19:23	103-65-1	
Styrene	ND	ug/L	1.00	0.118	1	09/25/21 19:23	09/25/21 19:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.00	0.147	1	09/25/21 19:23	09/25/21 19:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.00	0.133	1	09/25/21 19:23	09/25/21 19:23	79-34-5	
Tetrachloroethene	ND	ug/L	1.00	0.300	1	09/25/21 19:23	09/25/21 19:23	127-18-4	
Toluene	ND	ug/L	1.00	0.278	1	09/25/21 19:23	09/25/21 19:23	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.00	0.230	1	09/25/21 19:23	09/25/21 19:23	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.00	0.481	1	09/25/21 19:23	09/25/21 19:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.00	0.149	1	09/25/21 19:23	09/25/21 19:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.00	0.158	1	09/25/21 19:23	09/25/21 19:23	79-00-5	
Trichloroethene	ND	ug/L	1.00	0.190	1	09/25/21 19:23	09/25/21 19:23	79-01-6	L0
Trichlorofluoromethane	ND	ug/L	5.00	0.160	1	09/25/21 19:23	09/25/21 19:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.50	0.237	1	09/25/21 19:23	09/25/21 19:23	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.00	0.322	1	09/25/21 19:23	09/25/21 19:23	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.00	0.104	1	09/25/21 19:23	09/25/21 19:23	108-67-8	
Vinyl chloride	ND	ug/L	1.00	0.234	1	09/25/21 19:23	09/25/21 19:23	75-01-4	
o-Xylene	ND	ug/L	1.00	0.174	1	09/25/21 19:23	09/25/21 19:23	95-47-6	
m&p-Xylene	ND	ug/L	2.00	0.430	1	09/25/21 19:23	09/25/21 19:23	179601-23-1	
Surrogates									
Toluene-d8 (S)	101	%	80.0-120		1	09/25/21 19:23	09/25/21 19:23	2037-26-5	
4-Bromofluorobenzene (S)	89.6	%	77.0-126		1	09/25/21 19:23	09/25/21 19:23	460-00-4	
1,2-Dichloroethane-d4 (S)	98.9	%	70.0-130		1	09/25/21 19:23	09/25/21 19:23	17060-07-0	

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ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92562323

Sample: FB-1 **Lab ID: 92562323002** Collected: 09/21/21 00:00 Received: 09/21/21 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
MADEPV	Analytical Method: MADEP VPH Preparation Method: MADEPV Pace National - Mt. Juliet								
Aliphatic (C05-C08)	ND	ug/L	100	33.3	1	09/24/21 22:32	09/24/21 22:32		
Aliphatic (C09-C12)	ND	ug/L	100	33.3	1	09/24/21 22:32	09/24/21 22:32		
Aromatic (C09-C10),Unadjusted	ND	ug/L	100	33.3	1	09/24/21 22:32	09/24/21 22:32	TPHC9C10A	
Total VPH	ND	ug/L	100	33.3	1	09/24/21 22:32	09/24/21 22:32	VPH	
Surrogates									
2,5-Dibromotoluene (FID)	85.9	%	70.0-130		1	09/24/21 22:32	09/24/21 22:32	615-59-8FID	
2,5-Dibromotoluene (PID)	92.7	%	70.0-130		1	09/24/21 22:32	09/24/21 22:32	615-59-8PID	
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/22/21 01:56	09/22/21 19:02	7439-92-1	
VOA (GC/MS) 6200B-2011	Analytical Method: SM 6200B Preparation Method: 6200B-2011 Pace National - Mt. Juliet								
Acetone	ND	ug/L	50.0	11.3	1	09/25/21 13:38	09/25/21 13:38	67-64-1	
Acrolein	ND	ug/L	50.0	2.54	1	09/25/21 13:38	09/25/21 13:38	107-02-8	
Acrylonitrile	ND	ug/L	10.0	0.671	1	09/25/21 13:38	09/25/21 13:38	107-13-1	
Benzene	ND	ug/L	1.00	0.0941	1	09/25/21 13:38	09/25/21 13:38	71-43-2	
Bromobenzene	ND	ug/L	1.00	0.118	1	09/25/21 13:38	09/25/21 13:38	108-86-1	
Bromodichloromethane	ND	ug/L	1.00	0.136	1	09/25/21 13:38	09/25/21 13:38	75-27-4	
Bromoform	ND	ug/L	1.00	0.129	1	09/25/21 13:38	09/25/21 13:38	75-25-2	
Bromomethane	ND	ug/L	5.00	0.605	1	09/25/21 13:38	09/25/21 13:38	74-83-9	
n-Butylbenzene	ND	ug/L	1.00	0.157	1	09/25/21 13:38	09/25/21 13:38	104-51-8	
sec-Butylbenzene	ND	ug/L	1.00	0.125	1	09/25/21 13:38	09/25/21 13:38	135-98-8	
tert-Butylbenzene	ND	ug/L	1.00	0.127	1	09/25/21 13:38	09/25/21 13:38	98-06-6	
Carbon tetrachloride	ND	ug/L	1.00	0.128	1	09/25/21 13:38	09/25/21 13:38	56-23-5	
Chlorobenzene	ND	ug/L	1.00	0.116	1	09/25/21 13:38	09/25/21 13:38	108-90-7	
Dibromochloromethane	ND	ug/L	1.00	0.140	1	09/25/21 13:38	09/25/21 13:38	124-48-1	
Chloroethane	ND	ug/L	5.00	0.192	1	09/25/21 13:38	09/25/21 13:38	75-00-3	
Chloroform	ND	ug/L	5.00	0.111	1	09/25/21 13:38	09/25/21 13:38	67-66-3	
Chloromethane	ND	ug/L	2.50	0.960	1	09/25/21 13:38	09/25/21 13:38	74-87-3	
2-Chlorotoluene	ND	ug/L	1.00	0.106	1	09/25/21 13:38	09/25/21 13:38	95-49-8	
4-Chlorotoluene	ND	ug/L	1.00	0.114	1	09/25/21 13:38	09/25/21 13:38	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.00	0.276	1	09/25/21 13:38	09/25/21 13:38	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.00	0.126	1	09/25/21 13:38	09/25/21 13:38	106-93-4	
Dibromomethane	ND	ug/L	1.00	0.122	1	09/25/21 13:38	09/25/21 13:38	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.00	0.107	1	09/25/21 13:38	09/25/21 13:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.00	0.110	1	09/25/21 13:38	09/25/21 13:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.00	0.120	1	09/25/21 13:38	09/25/21 13:38	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.00	0.374	1	09/25/21 13:38	09/25/21 13:38	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.00	0.100	1	09/25/21 13:38	09/25/21 13:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.00	0.0819	1	09/25/21 13:38	09/25/21 13:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.00	0.188	1	09/25/21 13:38	09/25/21 13:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.00	0.126	1	09/25/21 13:38	09/25/21 13:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.00	0.149	1	09/25/21 13:38	09/25/21 13:38	156-60-5	

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ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92562323

Sample: FB-1 **Lab ID: 92562323002** Collected: 09/21/21 00:00 Received: 09/21/21 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC/MS) 6200B-2011	Analytical Method: SM 6200B Preparation Method: 6200B-2011 Pace National - Mt. Juliet								
1,2-Dichloropropane	ND	ug/L	1.00	0.149	1	09/25/21 13:38	09/25/21 13:38	78-87-5	
1,1-Dichloropropene	ND	ug/L	1.00	0.142	1	09/25/21 13:38	09/25/21 13:38	563-58-6	
1,3-Dichloropropane	ND	ug/L	1.00	0.110	1	09/25/21 13:38	09/25/21 13:38	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.00	0.161	1	09/25/21 13:38	09/25/21 13:38	594-20-7	
Diisopropyl ether	ND	ug/L	1.00	0.105	1	09/25/21 13:38	09/25/21 13:38	108-20-3	
Ethylbenzene	ND	ug/L	1.00	0.137	1	09/25/21 13:38	09/25/21 13:38	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.00	0.337	1	09/25/21 13:38	09/25/21 13:38	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.00	0.105	1	09/25/21 13:38	09/25/21 13:38	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.00	0.120	1	09/25/21 13:38	09/25/21 13:38	99-87-6	
2-Butanone (MEK)	**7.64J**	ug/L	10.0	1.19	1	09/25/21 13:38	09/25/21 13:38	78-93-3	J
Methylene Chloride	ND	ug/L	5.00	0.430	1	09/25/21 13:38	09/25/21 13:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.478	1	09/25/21 13:38	09/25/21 13:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.00	0.101	1	09/25/21 13:38	09/25/21 13:38	1634-04-4	
Naphthalene	ND	ug/L	5.00	1.00	1	09/25/21 13:38	09/25/21 13:38	91-20-3	
n-Propylbenzene	ND	ug/L	1.00	0.0993	1	09/25/21 13:38	09/25/21 13:38	103-65-1	
Styrene	ND	ug/L	1.00	0.118	1	09/25/21 13:38	09/25/21 13:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.00	0.147	1	09/25/21 13:38	09/25/21 13:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.00	0.133	1	09/25/21 13:38	09/25/21 13:38	79-34-5	
Tetrachloroethene	ND	ug/L	1.00	0.300	1	09/25/21 13:38	09/25/21 13:38	127-18-4	
Toluene	ND	ug/L	1.00	0.278	1	09/25/21 13:38	09/25/21 13:38	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.00	0.230	1	09/25/21 13:38	09/25/21 13:38	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.00	0.481	1	09/25/21 13:38	09/25/21 13:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.00	0.149	1	09/25/21 13:38	09/25/21 13:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.00	0.158	1	09/25/21 13:38	09/25/21 13:38	79-00-5	
Trichloroethene	ND	ug/L	1.00	0.190	1	09/25/21 13:38	09/25/21 13:38	79-01-6	L0
Trichlorofluoromethane	ND	ug/L	5.00	0.160	1	09/25/21 13:38	09/25/21 13:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.50	0.237	1	09/25/21 13:38	09/25/21 13:38	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.00	0.322	1	09/25/21 13:38	09/25/21 13:38	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.00	0.104	1	09/25/21 13:38	09/25/21 13:38	108-67-8	
Vinyl chloride	ND	ug/L	1.00	0.234	1	09/25/21 13:38	09/25/21 13:38	75-01-4	
o-Xylene	ND	ug/L	1.00	0.174	1	09/25/21 13:38	09/25/21 13:38	95-47-6	
m&p-Xylene	ND	ug/L	2.00	0.430	1	09/25/21 13:38	09/25/21 13:38	179601-23-1	
Surrogates									
Toluene-d8 (S)	101	%	80.0-120		1	09/25/21 13:38	09/25/21 13:38	2037-26-5	
4-Bromofluorobenzene (S)	89.6	%	77.0-126		1	09/25/21 13:38	09/25/21 13:38	460-00-4	
1,2-Dichloroethane-d4 (S)	89.5	%	70.0-130		1	09/25/21 13:38	09/25/21 13:38	17060-07-0	

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ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92562323

Sample: TRIP BLANK **Lab ID: 92562323003** Collected: 09/21/21 00:00 Received: 09/21/21 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC/MS) 6200B-2011	Analytical Method: SM 6200B Preparation Method: 6200B-2011 Pace National - Mt. Juliet								
Acetone	ND	ug/L	50.0	11.3	1	09/25/21 13:17	09/25/21 13:17	67-64-1	
Acrolein	ND	ug/L	50.0	2.54	1	09/25/21 13:17	09/25/21 13:17	107-02-8	
Acrylonitrile	ND	ug/L	10.0	0.671	1	09/25/21 13:17	09/25/21 13:17	107-13-1	
Benzene	ND	ug/L	1.00	0.0941	1	09/25/21 13:17	09/25/21 13:17	71-43-2	
Bromobenzene	ND	ug/L	1.00	0.118	1	09/25/21 13:17	09/25/21 13:17	108-86-1	
Bromodichloromethane	ND	ug/L	1.00	0.136	1	09/25/21 13:17	09/25/21 13:17	75-27-4	
Bromoform	ND	ug/L	1.00	0.129	1	09/25/21 13:17	09/25/21 13:17	75-25-2	
Bromomethane	ND	ug/L	5.00	0.605	1	09/25/21 13:17	09/25/21 13:17	74-83-9	
n-Butylbenzene	ND	ug/L	1.00	0.157	1	09/25/21 13:17	09/25/21 13:17	104-51-8	
sec-Butylbenzene	ND	ug/L	1.00	0.125	1	09/25/21 13:17	09/25/21 13:17	135-98-8	
tert-Butylbenzene	ND	ug/L	1.00	0.127	1	09/25/21 13:17	09/25/21 13:17	98-06-6	
Carbon tetrachloride	ND	ug/L	1.00	0.128	1	09/25/21 13:17	09/25/21 13:17	56-23-5	
Chlorobenzene	ND	ug/L	1.00	0.116	1	09/25/21 13:17	09/25/21 13:17	108-90-7	
Dibromochloromethane	ND	ug/L	1.00	0.140	1	09/25/21 13:17	09/25/21 13:17	124-48-1	
Chloroethane	ND	ug/L	5.00	0.192	1	09/25/21 13:17	09/25/21 13:17	75-00-3	
Chloroform	ND	ug/L	5.00	0.111	1	09/25/21 13:17	09/25/21 13:17	67-66-3	
Chloromethane	ND	ug/L	2.50	0.960	1	09/25/21 13:17	09/25/21 13:17	74-87-3	
2-Chlorotoluene	ND	ug/L	1.00	0.106	1	09/25/21 13:17	09/25/21 13:17	95-49-8	
4-Chlorotoluene	ND	ug/L	1.00	0.114	1	09/25/21 13:17	09/25/21 13:17	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.00	0.276	1	09/25/21 13:17	09/25/21 13:17	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.00	0.126	1	09/25/21 13:17	09/25/21 13:17	106-93-4	
Dibromomethane	ND	ug/L	1.00	0.122	1	09/25/21 13:17	09/25/21 13:17	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.00	0.107	1	09/25/21 13:17	09/25/21 13:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.00	0.110	1	09/25/21 13:17	09/25/21 13:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.00	0.120	1	09/25/21 13:17	09/25/21 13:17	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.00	0.374	1	09/25/21 13:17	09/25/21 13:17	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.00	0.100	1	09/25/21 13:17	09/25/21 13:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.00	0.0819	1	09/25/21 13:17	09/25/21 13:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.00	0.188	1	09/25/21 13:17	09/25/21 13:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.00	0.126	1	09/25/21 13:17	09/25/21 13:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.00	0.149	1	09/25/21 13:17	09/25/21 13:17	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.00	0.149	1	09/25/21 13:17	09/25/21 13:17	78-87-5	
1,1-Dichloropropene	ND	ug/L	1.00	0.142	1	09/25/21 13:17	09/25/21 13:17	563-58-6	
1,3-Dichloropropane	ND	ug/L	1.00	0.110	1	09/25/21 13:17	09/25/21 13:17	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.00	0.161	1	09/25/21 13:17	09/25/21 13:17	594-20-7	
Diisopropyl ether	ND	ug/L	1.00	0.105	1	09/25/21 13:17	09/25/21 13:17	108-20-3	
Ethylbenzene	ND	ug/L	1.00	0.137	1	09/25/21 13:17	09/25/21 13:17	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.00	0.337	1	09/25/21 13:17	09/25/21 13:17	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.00	0.105	1	09/25/21 13:17	09/25/21 13:17	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.00	0.120	1	09/25/21 13:17	09/25/21 13:17	99-87-6	
2-Butanone (MEK)	ND	ug/L	10.0	1.19	1	09/25/21 13:17	09/25/21 13:17	78-93-3	
Methylene Chloride	**0.466J**	ug/L	5.00	0.430	1	09/25/21 13:17	09/25/21 13:17	75-09-2	J
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.478	1	09/25/21 13:17	09/25/21 13:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.00	0.101	1	09/25/21 13:17	09/25/21 13:17	1634-04-4	
Naphthalene	ND	ug/L	5.00	1.00	1	09/25/21 13:17	09/25/21 13:17	91-20-3	

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ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92562323

Sample: TRIP BLANK **Lab ID: 92562323003** Collected: 09/21/21 00:00 Received: 09/21/21 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC/MS) 6200B-2011	Analytical Method: SM 6200B Preparation Method: 6200B-2011 Pace National - Mt. Juliet								
n-Propylbenzene	ND	ug/L	1.00	0.0993	1	09/25/21 13:17	09/25/21 13:17	103-65-1	
Styrene	ND	ug/L	1.00	0.118	1	09/25/21 13:17	09/25/21 13:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.00	0.147	1	09/25/21 13:17	09/25/21 13:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.00	0.133	1	09/25/21 13:17	09/25/21 13:17	79-34-5	
Tetrachloroethene	ND	ug/L	1.00	0.300	1	09/25/21 13:17	09/25/21 13:17	127-18-4	
Toluene	ND	ug/L	1.00	0.278	1	09/25/21 13:17	09/25/21 13:17	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.00	0.230	1	09/25/21 13:17	09/25/21 13:17	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.00	0.481	1	09/25/21 13:17	09/25/21 13:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.00	0.149	1	09/25/21 13:17	09/25/21 13:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.00	0.158	1	09/25/21 13:17	09/25/21 13:17	79-00-5	
Trichloroethene	ND	ug/L	1.00	0.190	1	09/25/21 13:17	09/25/21 13:17	79-01-6	L0
Trichlorofluoromethane	ND	ug/L	5.00	0.160	1	09/25/21 13:17	09/25/21 13:17	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.50	0.237	1	09/25/21 13:17	09/25/21 13:17	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.00	0.322	1	09/25/21 13:17	09/25/21 13:17	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.00	0.104	1	09/25/21 13:17	09/25/21 13:17	108-67-8	
Vinyl chloride	ND	ug/L	1.00	0.234	1	09/25/21 13:17	09/25/21 13:17	75-01-4	
o-Xylene	ND	ug/L	1.00	0.174	1	09/25/21 13:17	09/25/21 13:17	95-47-6	
m&p-Xylene	ND	ug/L	2.00	0.430	1	09/25/21 13:17	09/25/21 13:17	179601-23-1	
Surrogates									
Toluene-d8 (S)	101	%	80.0-120		1	09/25/21 13:17	09/25/21 13:17	2037-26-5	
4-Bromofluorobenzene (S)	92.9	%	77.0-126		1	09/25/21 13:17	09/25/21 13:17	460-00-4	
1,2-Dichloroethane-d4 (S)	91.6	%	70.0-130		1	09/25/21 13:17	09/25/21 13:17	17060-07-0	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92562323

QC Batch: 1746068
QC Batch Method: MADEPV
Analysis Method: MADEP VPH
Analysis Description: MADEPV
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92562323001, 92562323002

METHOD BLANK: R3710049-3 Matrix: Water
Associated Lab Samples: 92562323001, 92562323002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (C05-C08)	ug/L	ND	100	33.3	09/24/21 16:25	
Aliphatic (C09-C12)	ug/L	ND	100	33.3	09/24/21 16:25	
Aromatic (C09-C10),Unadjusted	ug/L	ND	100	33.3	09/24/21 16:25	
Total VPH	ug/L	ND	100	33.3	09/24/21 16:25	
2,5-Dibromotoluene (FID)	%	79.1	70.0-130		09/24/21 16:25	
2,5-Dibromotoluene (PID)	%	81.3	70.0-130		09/24/21 16:25	

LABORATORY CONTROL SAMPLE & LCSD: R3710049-1 R3710049-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	ug/L	1200	1280	1280	107	107	70.0-130	0.00	25	
Aliphatic (C09-C12)	ug/L	1400	1260	1270	90.0	90.7	70.0-130	0.791	25	
Aromatic (C09-C10),Unadjusted	ug/L	200	220	217	110	108	70.0-130	1.37	25	
Total VPH	ug/L	2800	2760	2770	98.6	98.9	70.0-130	0.362	25	
2,5-Dibromotoluene (FID)	%				86.9	84.6	70.0-130			
2,5-Dibromotoluene (PID)	%				94.0	91.1	70.0-130			

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92562323

QC Batch: 648632
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92562323001, 92562323002

METHOD BLANK: 3402215 Matrix: Water
Associated Lab Samples: 92562323001, 92562323002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	4.5	09/22/21 16:52	

LABORATORY CONTROL SAMPLE: 3402216

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	499	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3402217 3402218

Parameter	Units	92562311001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	489	493	98	99	75-125	1	20	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92562323

QC Batch: 1746524 | Analysis Method: SM 6200B
QC Batch Method: 6200B-2011 | Analysis Description: VOA (GC/MS) 6200B-2011
Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 92562323001, 92562323002, 92562323003

METHOD BLANK: R3710916-2 Matrix: Water

Associated Lab Samples: 92562323001, 92562323002, 92562323003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acetone	ug/L	ND	50.0	11.3	09/25/21 09:56	
Acrolein	ug/L	ND	50.0	2.54	09/25/21 09:56	
Acrylonitrile	ug/L	ND	10.0	0.671	09/25/21 09:56	
Benzene	ug/L	ND	1.00	0.0941	09/25/21 09:56	
Bromobenzene	ug/L	ND	1.00	0.118	09/25/21 09:56	
Bromodichloromethane	ug/L	ND	1.00	0.136	09/25/21 09:56	
Bromoform	ug/L	ND	1.00	0.129	09/25/21 09:56	
Bromomethane	ug/L	ND	5.00	0.605	09/25/21 09:56	
n-Butylbenzene	ug/L	ND	1.00	0.157	09/25/21 09:56	
sec-Butylbenzene	ug/L	ND	1.00	0.125	09/25/21 09:56	
tert-Butylbenzene	ug/L	ND	1.00	0.127	09/25/21 09:56	
Carbon tetrachloride	ug/L	ND	1.00	0.128	09/25/21 09:56	
Chlorobenzene	ug/L	ND	1.00	0.116	09/25/21 09:56	
Dibromochloromethane	ug/L	ND	1.00	0.140	09/25/21 09:56	
Chloroethane	ug/L	ND	5.00	0.192	09/25/21 09:56	
Chloroform	ug/L	ND	5.00	0.111	09/25/21 09:56	
Chloromethane	ug/L	ND	2.50	0.960	09/25/21 09:56	
2-Chlorotoluene	ug/L	ND	1.00	0.106	09/25/21 09:56	
4-Chlorotoluene	ug/L	ND	1.00	0.114	09/25/21 09:56	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.00	0.276	09/25/21 09:56	
1,2-Dibromoethane (EDB)	ug/L	ND	1.00	0.126	09/25/21 09:56	
Dibromomethane	ug/L	ND	1.00	0.122	09/25/21 09:56	
1,2-Dichlorobenzene	ug/L	ND	1.00	0.107	09/25/21 09:56	
1,3-Dichlorobenzene	ug/L	ND	1.00	0.110	09/25/21 09:56	
1,4-Dichlorobenzene	ug/L	ND	1.00	0.120	09/25/21 09:56	
Dichlorodifluoromethane	ug/L	ND	5.00	0.374	09/25/21 09:56	
1,1-Dichloroethane	ug/L	ND	1.00	0.100	09/25/21 09:56	
1,2-Dichloroethane	ug/L	ND	1.00	0.0819	09/25/21 09:56	
1,1-Dichloroethene	ug/L	ND	1.00	0.188	09/25/21 09:56	
cis-1,2-Dichloroethene	ug/L	ND	1.00	0.126	09/25/21 09:56	
trans-1,2-Dichloroethene	ug/L	ND	1.00	0.149	09/25/21 09:56	
1,2-Dichloropropane	ug/L	ND	1.00	0.149	09/25/21 09:56	
1,1-Dichloropropene	ug/L	ND	1.00	0.142	09/25/21 09:56	
1,3-Dichloropropane	ug/L	ND	1.00	0.110	09/25/21 09:56	
2,2-Dichloropropane	ug/L	ND	1.00	0.161	09/25/21 09:56	
Diisopropyl ether	ug/L	ND	1.00	0.105	09/25/21 09:56	
Ethylbenzene	ug/L	ND	1.00	0.137	09/25/21 09:56	
Hexachloro-1,3-butadiene	ug/L	ND	1.00	0.337	09/25/21 09:56	
Isopropylbenzene (Cumene)	ug/L	ND	1.00	0.105	09/25/21 09:56	
p-Isopropyltoluene	ug/L	ND	1.00	0.120	09/25/21 09:56	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92562323

METHOD BLANK: R3710916-2 Matrix: Water
Associated Lab Samples: 92562323001, 92562323002, 92562323003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
2-Butanone (MEK)	ug/L	ND	10.0	1.19	09/25/21 09:56	
Methylene Chloride	ug/L	ND	5.00	0.430	09/25/21 09:56	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	0.478	09/25/21 09:56	
Methyl-tert-butyl ether	ug/L	ND	1.00	0.101	09/25/21 09:56	
Naphthalene	ug/L	ND	5.00	1.00	09/25/21 09:56	
n-Propylbenzene	ug/L	ND	1.00	0.0993	09/25/21 09:56	
Styrene	ug/L	ND	1.00	0.118	09/25/21 09:56	
1,1,1,2-Tetrachloroethane	ug/L	ND	1.00	0.147	09/25/21 09:56	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.00	0.133	09/25/21 09:56	
Tetrachloroethene	ug/L	ND	1.00	0.300	09/25/21 09:56	
Toluene	ug/L	ND	1.00	0.278	09/25/21 09:56	
1,2,3-Trichlorobenzene	ug/L	ND	1.00	0.230	09/25/21 09:56	
1,2,4-Trichlorobenzene	ug/L	ND	1.00	0.481	09/25/21 09:56	
1,1,1-Trichloroethane	ug/L	ND	1.00	0.149	09/25/21 09:56	
1,1,2-Trichloroethane	ug/L	ND	1.00	0.158	09/25/21 09:56	
Trichloroethene	ug/L	ND	1.00	0.190	09/25/21 09:56	
Trichlorofluoromethane	ug/L	ND	5.00	0.160	09/25/21 09:56	
1,2,3-Trichloropropane	ug/L	ND	2.50	0.237	09/25/21 09:56	
1,2,4-Trimethylbenzene	ug/L	ND	1.00	0.322	09/25/21 09:56	
1,3,5-Trimethylbenzene	ug/L	ND	1.00	0.104	09/25/21 09:56	
Vinyl chloride	ug/L	ND	1.00	0.234	09/25/21 09:56	
o-Xylene	ug/L	ND	1.00	0.174	09/25/21 09:56	
m&p-Xylene	ug/L	ND	2.00	0.430	09/25/21 09:56	
Toluene-d8 (S)	%	101	80.0-120		09/25/21 09:56	
4-Bromofluorobenzene (S)	%	89.1	77.0-126		09/25/21 09:56	
1,2-Dichloroethane-d4 (S)	%	95	70.0-130		09/25/21 09:56	

LABORATORY CONTROL SAMPLE: R3710916-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acetone	ug/L	25.0	27.4	110	19.0-160	
Acrolein	ug/L	25.0	20.7	82.8	10.0-160	
Acrylonitrile	ug/L	25.0	24.4	97.6	55.0-149	
Benzene	ug/L	5.00	4.23	84.6	70.0-123	
Bromobenzene	ug/L	5.00	4.54	90.8	73.0-121	
Bromodichloromethane	ug/L	5.00	4.30	86.0	75.0-120	
Bromoform	ug/L	5.00	4.83	96.6	68.0-132	
Bromomethane	ug/L	5.00	4.10	82.0	10.0-160	
n-Butylbenzene	ug/L	5.00	4.33	86.6	73.0-125	
sec-Butylbenzene	ug/L	5.00	4.38	87.6	75.0-125	
tert-Butylbenzene	ug/L	5.00	4.11	82.2	76.0-124	
Carbon tetrachloride	ug/L	5.00	4.20	84.0	68.0-126	
Chlorobenzene	ug/L	5.00	4.70	94.0	80.0-121	
Dibromochloromethane	ug/L	5.00	4.78	95.6	77.0-125	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92562323

LABORATORY CONTROL SAMPLE: R3710916-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	5.00	4.51	90.2	47.0-150	
Chloroform	ug/L	5.00	4.39	87.8	73.0-120	
Chloromethane	ug/L	5.00	4.85	97.0	41.0-142	
2-Chlorotoluene	ug/L	5.00	4.63	92.6	76.0-123	
4-Chlorotoluene	ug/L	5.00	4.42	88.4	75.0-122	
1,2-Dibromo-3-chloropropane	ug/L	5.00	4.00	80.0	58.0-134	
1,2-Dibromoethane (EDB)	ug/L	5.00	4.90	98.0	80.0-122	
Dibromomethane	ug/L	5.00	4.35	87.0	80.0-120	
1,2-Dichlorobenzene	ug/L	5.00	4.48	89.6	79.0-121	
1,3-Dichlorobenzene	ug/L	5.00	4.27	85.4	79.0-120	
1,4-Dichlorobenzene	ug/L	5.00	4.35	87.0	79.0-120	
Dichlorodifluoromethane	ug/L	5.00	3.80	76.0	51.0-149	
1,1-Dichloroethane	ug/L	5.00	4.23	84.6	70.0-126	
1,2-Dichloroethane	ug/L	5.00	4.42	88.4	70.0-128	
1,1-Dichloroethene	ug/L	5.00	4.21	84.2	71.0-124	
cis-1,2-Dichloroethene	ug/L	5.00	4.06	81.2	73.0-120	
trans-1,2-Dichloroethene	ug/L	5.00	4.45	89.0	73.0-120	
1,2-Dichloropropane	ug/L	5.00	4.43	88.6	77.0-125	
1,1-Dichloropropene	ug/L	5.00	4.43	88.6	74.0-126	
1,3-Dichloropropane	ug/L	5.00	4.65	93.0	80.0-120	
2,2-Dichloropropane	ug/L	5.00	4.67	93.4	58.0-130	
Diisopropyl ether	ug/L	5.00	4.75	95.0	58.0-138	
Ethylbenzene	ug/L	5.00	4.59	91.8	79.0-123	
Hexachloro-1,3-butadiene	ug/L	5.00	3.80	76.0	54.0-138	
Isopropylbenzene (Cumene)	ug/L	5.00	4.33	86.6	76.0-127	
p-Isopropyltoluene	ug/L	5.00	4.15	83.0	76.0-125	
2-Butanone (MEK)	ug/L	25.0	27.2	109	44.0-160	
Methylene Chloride	ug/L	5.00	4.50	90.0	67.0-120	
4-Methyl-2-pentanone (MIBK)	ug/L	25.0	27.8	111	68.0-142	
Methyl-tert-butyl ether	ug/L	5.00	4.50	90.0	68.0-125	
Naphthalene	ug/L	5.00	4.52	90.4	54.0-135	
n-Propylbenzene	ug/L	5.00	4.70	94.0	77.0-124	
Styrene	ug/L	5.00	4.25	85.0	73.0-130	
1,1,1,2-Tetrachloroethane	ug/L	5.00	4.17	83.4	75.0-125	
1,1,2,2-Tetrachloroethane	ug/L	5.00	4.71	94.2	65.0-130	
Tetrachloroethene	ug/L	5.00	4.62	92.4	72.0-132	
Toluene	ug/L	5.00	4.45	89.0	79.0-120	
1,2,3-Trichlorobenzene	ug/L	5.00	4.42	88.4	50.0-138	
1,2,4-Trichlorobenzene	ug/L	5.00	4.06	81.2	57.0-137	
1,1,1-Trichloroethane	ug/L	5.00	3.90	78.0	73.0-124	
1,1,2-Trichloroethane	ug/L	5.00	4.67	93.4	80.0-120	
Trichloroethene	ug/L	5.00	3.77	75.4	78.0-124	L0
Trichlorofluoromethane	ug/L	5.00	4.19	83.8	59.0-147	
1,2,3-Trichloropropane	ug/L	5.00	5.23	105	73.0-130	
1,2,4-Trimethylbenzene	ug/L	5.00	4.35	87.0	76.0-121	
1,3,5-Trimethylbenzene	ug/L	5.00	4.20	84.0	76.0-122	
Vinyl chloride	ug/L	5.00	4.32	86.4	67.0-131	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92562323

LABORATORY CONTROL SAMPLE: R3710916-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
o-Xylene	ug/L	5.00	4.45	89.0	80.0-122	
m&p-Xylene	ug/L	10.0	8.97	89.7	80.0-122	
Toluene-d8 (S)	%			102	80.0-120	
4-Bromofluorobenzene (S)	%			96.1	77.0-126	
1,2-Dichloroethane-d4 (S)	%			99.5	70.0-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: 2020-L1-2448
Pace Project No.: 92562323

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2020-L1-2448
Pace Project No.: 92562323

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92562323001	**DUP-1**	MADEPV	1746068	MADEP VPH	1746068
92562323002	**FB-1**	MADEPV	1746068	MADEP VPH	1746068
92562323001	**DUP-1**	EPA 3010A	648632	EPA 6010D	648645
92562323002	**FB-1**	EPA 3010A	648632	EPA 6010D	648645
92562323001	**DUP-1**	6200B-2011	1746524	SM 6200B	1746524
92562323002	**FB-1**	6200B-2011	1746524	SM 6200B	1746524
92562323003	**TRIP BLANK**	6200B-2011	1746524	SM 6200B	1746524

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WO# : 92562323

92562323

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

Company: Apex Companies	Billing Information:
Address:	
Report To: Andrew Street	Email To: andrew.street@apexcos.com
Copy To:	Site Collection Info/Address:
Customer Project Name/Number: 2020-11-2448	State: NC County/City: Huntersville Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET
Phone: Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Matt Teixeira	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: ASAP Immediately Packed on Ice: [ ] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	VOC 6200B	MADEP VPH	Lead							Lab Sample # / Comments
DUP-1	DW	G	9-21-21					8	X	X	X	X						001
FB-1	OT	G	9-21-21					8	X	X	X							002
Trip Blank	OT	-	9-21-21					2	X									003

Container Preservative Type **

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips:			
Sample pH Acceptable	Y	N	NA
pH Strips: 223194V			
Sulfide Present	Y	N	NA
Lead Acetate Strips:			

LAB USE ONLY:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: bb

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2546688

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#: 92406CP

Cooler 1 Temp Upon Receipt: 20.0 oC (19.7)

Cooler 1 Therm Corr. Factor: 0 oC

Cooler 1 Corrected Temp: 20.0 oC (19.4)

Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Matt Teixeira / Apex	9-21-21 / 1145	JB PACE MV	9/21/21 1145
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY

Table #:

Acctnum:

Template:

Prelogin:

PM:

PB:

Trip Blank Received: Y N NA

HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: _____ of: _____

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Sample Receiving Non-Conformance Form (NCF)

Date: 9/21/21	**Evaluated by:** HM
Client: Apex	

WO#: 92562323

PM: AMB Due Date: 09/28/21

CLIENT: 92-APEX MOOR

1. If Chain-of-Custody (COC) is not received: contact client and if necessary, fill out a COC and indicate that it was filled out by lab personnel. Note issues on this NCF.

2. If COC is incomplete, check applicable issues below and add details where appropriate:

	Collection date/time missing or incorrect		Analyses or analytes: missing or clarification needed		Samples listed on COC do not match samples received (missing, additional, etc.)
	Sample IDs on COC do not match sample labels		Required trip blanks were not received		Required signatures are missing

Comments/Details/Other Issues not listed above:

3. Sample integrity issues: check applicable issues below and add details where appropriate:

	Samples: Past holding time		Samples: Condition needs to be brought to lab personnel's attention (details below)		Preservation: Improper
	Samples: Not field filtered		Containers: Broken or compromised	X	Temperature: not within acceptance criteria (typically 0-6C)
	Samples: Insufficient volume received		Containers: Incorrect		Temperature: Samples arrived frozen
	Samples: Cooler damaged or compromised		Custody Seals: Missing or compromised on samples, trip blanks or coolers		Vials received with improper headspace
	Samples: contain chlorine or sulfides		Packing Material: Insufficient/Improper		Other:

Comments/Details: Received out of temp. Ice in bags on top of samples

4. If Samples not preserved properly and Sample Receiving adjusts pH, add details below:

Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:
Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:
Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:

5. Client Contact: If client is contacted for any issue listed above, fill in details below:

Client:	Contacted per:	
PM Initials:	Date/Time:	

Client Comments/Instructions:

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 18, 2021

Andrew Street
Apex Companies - NC
5900 Northwoods Business Pkwy
Suite 5900-0
Charlotte, NC 28269

RE: Project: 2020-L1-2448
Pace Project No.: 92563643

Dear Andrew Street:

Enclosed are the analytical results for sample(s) received by the laboratory on September 28, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Asheville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angela M. Baioni

Angela Baioni
angela.baioni@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: J Culbreath, Colonial Pipeline Company
Naomi Fretz, APEX Companies, LLC
Robert Hughes, Colonial Pipeline
Cameron Lee, Montrose-EPS
Jamie Moran, APEX Companies, LLC
Jeff Morrison, Colonial Pipeline Company
Tom Naumann, APEX Companies - NC
Joe Nicolette, Montrose-EPS
Kaitlyn Nootens, Apex Companies
Christopher Schultz, Apex Companies
Matt Teixeira, Apex Companies, LLC
Michael Verdon, Colonial Pipeline Company
JM Wyatt, Colonial Pipeline Company

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 2020-L1-2448
Pace Project No.: 92563643

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

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SAMPLE SUMMARY

Project: 2020-L1-2448
Pace Project No.: 92563643

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92563643001	**14226_HC_RD_09282021**	Water	09/28/21 11:40	09/28/21 13:13

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SAMPLE ANALYTE COUNT

Project: 2020-L1-2448
Pace Project No.: 92563643

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92563643001	**14226_HC_RD_09282021**	MADEP VPH	BMB	6	PAN
		EPA 6010D	DS	1	PASI-A
		SM 6200B	BMB	66	PAN

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville

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ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92563643

Sample: 14226_HC_RD_09282021 **Lab ID: 92563643001** Collected: 09/28/21 11:40 Received: 09/28/21 13:13 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
MADEPV	Analytical Method: MADEP VPH Preparation Method: MADEPV Pace National - Mt. Juliet								
Aliphatic (C05-C08)	ND	ug/L	100	33.3	1	10/12/21 10:34	10/12/21 10:34		
Aliphatic (C09-C12)	ND	ug/L	100	33.3	1	10/12/21 10:34	10/12/21 10:34		
Aromatic (C09-C10),Unadjusted	ND	ug/L	100	33.3	1	10/12/21 10:34	10/12/21 10:34	TPHC9C10A	
Total VPH	ND	ug/L	100	33.3	1	10/12/21 10:34	10/12/21 10:34	VPH	
Surrogates									
2,5-Dibromotoluene (FID)	107	%	70.0-130		1	10/12/21 10:34	10/12/21 10:34	615-59-8FID	
2,5-Dibromotoluene (PID)	107	%	70.0-130		1	10/12/21 10:34	10/12/21 10:34	615-59-8PID	
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/29/21 02:00	10/02/21 04:48	7439-92-1	
VOA (GC/MS) 6200B-2011	Analytical Method: SM 6200B Preparation Method: 6200B-2011 Pace National - Mt. Juliet								
Acetone	ND	ug/L	50.0	11.3	1	10/09/21 02:01	10/09/21 02:01	67-64-1	
Acrolein	ND	ug/L	50.0	2.54	1	10/09/21 02:01	10/09/21 02:01	107-02-8	
Acrylonitrile	ND	ug/L	10.0	0.671	1	10/09/21 02:01	10/09/21 02:01	107-13-1	
Benzene	ND	ug/L	1.00	0.0941	1	10/09/21 02:01	10/09/21 02:01	71-43-2	
Bromobenzene	ND	ug/L	1.00	0.118	1	10/09/21 02:01	10/09/21 02:01	108-86-1	
Bromodichloromethane	ND	ug/L	1.00	0.136	1	10/09/21 02:01	10/09/21 02:01	75-27-4	
Bromoform	ND	ug/L	1.00	0.129	1	10/09/21 02:01	10/09/21 02:01	75-25-2	
Bromomethane	ND	ug/L	5.00	0.605	1	10/09/21 02:01	10/09/21 02:01	74-83-9	
n-Butylbenzene	ND	ug/L	1.00	0.157	1	10/09/21 02:01	10/09/21 02:01	104-51-8	
sec-Butylbenzene	ND	ug/L	1.00	0.125	1	10/09/21 02:01	10/09/21 02:01	135-98-8	
tert-Butylbenzene	ND	ug/L	1.00	0.127	1	10/09/21 02:01	10/09/21 02:01	98-06-6	
Carbon tetrachloride	ND	ug/L	1.00	0.128	1	10/09/21 02:01	10/09/21 02:01	56-23-5	
Chlorobenzene	ND	ug/L	1.00	0.116	1	10/09/21 02:01	10/09/21 02:01	108-90-7	
Dibromochloromethane	ND	ug/L	1.00	0.140	1	10/09/21 02:01	10/09/21 02:01	124-48-1	
Chloroethane	ND	ug/L	5.00	0.192	1	10/09/21 02:01	10/09/21 02:01	75-00-3	
Chloroform	**0.313J**	ug/L	5.00	0.111	1	10/09/21 02:01	10/09/21 02:01	67-66-3	J
Chloromethane	ND	ug/L	2.50	0.960	1	10/09/21 02:01	10/09/21 02:01	74-87-3	
2-Chlorotoluene	ND	ug/L	1.00	0.106	1	10/09/21 02:01	10/09/21 02:01	95-49-8	
4-Chlorotoluene	ND	ug/L	1.00	0.114	1	10/09/21 02:01	10/09/21 02:01	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.00	0.276	1	10/09/21 02:01	10/09/21 02:01	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.00	0.126	1	10/09/21 02:01	10/09/21 02:01	106-93-4	
Dibromomethane	ND	ug/L	1.00	0.122	1	10/09/21 02:01	10/09/21 02:01	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.00	0.107	1	10/09/21 02:01	10/09/21 02:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.00	0.110	1	10/09/21 02:01	10/09/21 02:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.00	0.120	1	10/09/21 02:01	10/09/21 02:01	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.00	0.374	1	10/09/21 02:01	10/09/21 02:01	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.00	0.100	1	10/09/21 02:01	10/09/21 02:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.00	0.0819	1	10/09/21 02:01	10/09/21 02:01	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.00	0.188	1	10/09/21 02:01	10/09/21 02:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.00	0.126	1	10/09/21 02:01	10/09/21 02:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.00	0.149	1	10/09/21 02:01	10/09/21 02:01	156-60-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92563643

Sample: 14226_HC_RD_09282021 **Lab ID: 92563643001** Collected: 09/28/21 11:40 Received: 09/28/21 13:13 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC/MS) 6200B-2011	Analytical Method: SM 6200B Preparation Method: 6200B-2011 Pace National - Mt. Juliet								
1,2-Dichloropropane	ND	ug/L	1.00	0.149	1	10/09/21 02:01	10/09/21 02:01	78-87-5	
1,1-Dichloropropene	ND	ug/L	1.00	0.142	1	10/09/21 02:01	10/09/21 02:01	563-58-6	
1,3-Dichloropropane	ND	ug/L	1.00	0.110	1	10/09/21 02:01	10/09/21 02:01	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.00	0.161	1	10/09/21 02:01	10/09/21 02:01	594-20-7	
Diisopropyl ether	ND	ug/L	1.00	0.105	1	10/09/21 02:01	10/09/21 02:01	108-20-3	
Ethylbenzene	ND	ug/L	1.00	0.137	1	10/09/21 02:01	10/09/21 02:01	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.00	0.337	1	10/09/21 02:01	10/09/21 02:01	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.00	0.105	1	10/09/21 02:01	10/09/21 02:01	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.00	0.120	1	10/09/21 02:01	10/09/21 02:01	99-87-6	
2-Butanone (MEK)	ND	ug/L	10.0	1.19	1	10/09/21 02:01	10/09/21 02:01	78-93-3	
Methylene Chloride	ND	ug/L	5.00	0.430	1	10/09/21 02:01	10/09/21 02:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.478	1	10/09/21 02:01	10/09/21 02:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.00	0.101	1	10/09/21 02:01	10/09/21 02:01	1634-04-4	
Naphthalene	ND	ug/L	5.00	1.00	1	10/09/21 02:01	10/09/21 02:01	91-20-3	
n-Propylbenzene	ND	ug/L	1.00	0.0993	1	10/09/21 02:01	10/09/21 02:01	103-65-1	
Styrene	ND	ug/L	1.00	0.118	1	10/09/21 02:01	10/09/21 02:01	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.00	0.147	1	10/09/21 02:01	10/09/21 02:01	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.00	0.133	1	10/09/21 02:01	10/09/21 02:01	79-34-5	
Tetrachloroethene	ND	ug/L	1.00	0.300	1	10/09/21 02:01	10/09/21 02:01	127-18-4	
Toluene	ND	ug/L	1.00	0.278	1	10/09/21 02:01	10/09/21 02:01	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.00	0.230	1	10/09/21 02:01	10/09/21 02:01	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.00	0.481	1	10/09/21 02:01	10/09/21 02:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.00	0.149	1	10/09/21 02:01	10/09/21 02:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.00	0.158	1	10/09/21 02:01	10/09/21 02:01	79-00-5	
Trichloroethene	ND	ug/L	1.00	0.190	1	10/09/21 02:01	10/09/21 02:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.00	0.160	1	10/09/21 02:01	10/09/21 02:01	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.50	0.237	1	10/09/21 02:01	10/09/21 02:01	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.00	0.322	1	10/09/21 02:01	10/09/21 02:01	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.00	0.104	1	10/09/21 02:01	10/09/21 02:01	108-67-8	
Vinyl chloride	ND	ug/L	1.00	0.234	1	10/09/21 02:01	10/09/21 02:01	75-01-4	
o-Xylene	ND	ug/L	1.00	0.174	1	10/09/21 02:01	10/09/21 02:01	95-47-6	
m&p-Xylene	ND	ug/L	2.00	0.430	1	10/09/21 02:01	10/09/21 02:01	179601-23-1	
Surrogates									
Toluene-d8 (S)	106	%	80.0-120		1	10/09/21 02:01	10/09/21 02:01	2037-26-5	
4-Bromofluorobenzene (S)	100	%	77.0-126		1	10/09/21 02:01	10/09/21 02:01	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70.0-130		1	10/09/21 02:01	10/09/21 02:01	17060-07-0	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92563643

QC Batch: 1755200
QC Batch Method: KS LRH/MADEPV/MTDEQ VPH/VPH
Analysis Method: MADEP VPH
Analysis Description: MADEPV
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92563643001

METHOD BLANK: R3716812-3 Matrix: Water
Associated Lab Samples: 92563643001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (C05-C08)	ug/L	ND	100	33.3	10/12/21 07:41	
Aliphatic (C09-C12)	ug/L	ND	100	33.3	10/12/21 07:41	
Aromatic (C09-C10),Unadjusted	ug/L	ND	100	33.3	10/12/21 07:41	
Total VPH	ug/L	ND	100	33.3	10/12/21 07:41	
2,5-Dibromotoluene (FID)	%	84.7	70.0-130		10/12/21 07:41	
2,5-Dibromotoluene (PID)	%	83.9	70.0-130		10/12/21 07:41	

LABORATORY CONTROL SAMPLE & LCSD: R3716812-1 R3716812-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	ug/L	1200	1060	1080	88.3	90.0	70.0-130	1.87	25	
Aliphatic (C09-C12)	ug/L	1400	1370	1410	97.9	101	70.0-130	2.88	25	
Aromatic (C09-C10),Unadjusted	ug/L	200	236	244	118	122	70.0-130	3.33	25	
Total VPH	ug/L	2800	2670	2730	95.4	97.5	70.0-130	2.22	25	
2,5-Dibromotoluene (FID)	%				97.8	105	70.0-130			
2,5-Dibromotoluene (PID)	%				99.5	107	70.0-130			

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92563643

QC Batch: 649812
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92563643001

METHOD BLANK: 3408194 Matrix: Water
Associated Lab Samples: 92563643001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	4.5	10/02/21 04:28	

LABORATORY CONTROL SAMPLE: 3408195

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	495	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3408196 3408197

Parameter	Units	92563460001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	506	493	101	98	75-125	3	20	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92563643

QC Batch: 1753792
QC Batch Method: 8260B
Analysis Method: SM 6200B
Analysis Description: VOA (GC/MS) 6200B-2011
Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 92563643001

METHOD BLANK: R3717396-3 Matrix: Water
Associated Lab Samples: 92563643001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acetone	ug/L	ND	50.0	11.3	10/08/21 22:28	
Acrolein	ug/L	ND	50.0	2.54	10/08/21 22:28	
Acrylonitrile	ug/L	ND	10.0	0.671	10/08/21 22:28	
Benzene	ug/L	ND	1.00	0.0941	10/08/21 22:28	
Bromobenzene	ug/L	ND	1.00	0.118	10/08/21 22:28	
Bromodichloromethane	ug/L	ND	1.00	0.136	10/08/21 22:28	
Bromoform	ug/L	ND	1.00	0.129	10/08/21 22:28	
Bromomethane	ug/L	ND	5.00	0.605	10/08/21 22:28	
n-Butylbenzene	ug/L	ND	1.00	0.157	10/08/21 22:28	
sec-Butylbenzene	ug/L	ND	1.00	0.125	10/08/21 22:28	
tert-Butylbenzene	ug/L	ND	1.00	0.127	10/08/21 22:28	
Carbon tetrachloride	ug/L	ND	1.00	0.128	10/08/21 22:28	
Chlorobenzene	ug/L	ND	1.00	0.116	10/08/21 22:28	
Dibromochloromethane	ug/L	ND	1.00	0.140	10/08/21 22:28	
Chloroethane	ug/L	ND	5.00	0.192	10/08/21 22:28	
Chloroform	ug/L	ND	5.00	0.111	10/08/21 22:28	
Chloromethane	ug/L	ND	2.50	0.960	10/08/21 22:28	
2-Chlorotoluene	ug/L	ND	1.00	0.106	10/08/21 22:28	
4-Chlorotoluene	ug/L	ND	1.00	0.114	10/08/21 22:28	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.00	0.276	10/08/21 22:28	
1,2-Dibromoethane (EDB)	ug/L	ND	1.00	0.126	10/08/21 22:28	
Dibromomethane	ug/L	ND	1.00	0.122	10/08/21 22:28	
1,2-Dichlorobenzene	ug/L	ND	1.00	0.107	10/08/21 22:28	
1,3-Dichlorobenzene	ug/L	ND	1.00	0.110	10/08/21 22:28	
1,4-Dichlorobenzene	ug/L	ND	1.00	0.120	10/08/21 22:28	
Dichlorodifluoromethane	ug/L	ND	5.00	0.374	10/08/21 22:28	
1,1-Dichloroethane	ug/L	ND	1.00	0.100	10/08/21 22:28	
1,2-Dichloroethane	ug/L	ND	1.00	0.0819	10/08/21 22:28	
1,1-Dichloroethene	ug/L	ND	1.00	0.188	10/08/21 22:28	
cis-1,2-Dichloroethene	ug/L	ND	1.00	0.126	10/08/21 22:28	
trans-1,2-Dichloroethene	ug/L	ND	1.00	0.149	10/08/21 22:28	
1,2-Dichloropropane	ug/L	ND	1.00	0.149	10/08/21 22:28	
1,1-Dichloropropene	ug/L	ND	1.00	0.142	10/08/21 22:28	
1,3-Dichloropropane	ug/L	ND	1.00	0.110	10/08/21 22:28	
2,2-Dichloropropane	ug/L	ND	1.00	0.161	10/08/21 22:28	
Diisopropyl ether	ug/L	ND	1.00	0.105	10/08/21 22:28	
Ethylbenzene	ug/L	ND	1.00	0.137	10/08/21 22:28	
Hexachloro-1,3-butadiene	ug/L	ND	1.00	0.337	10/08/21 22:28	
Isopropylbenzene (Cumene)	ug/L	ND	1.00	0.105	10/08/21 22:28	
p-Isopropyltoluene	ug/L	ND	1.00	0.120	10/08/21 22:28	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92563643

METHOD BLANK: R3717396-3 Matrix: Water
Associated Lab Samples: 92563643001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
2-Butanone (MEK)	ug/L	ND	10.0	1.19	10/08/21 22:28	
Methylene Chloride	ug/L	ND	5.00	0.430	10/08/21 22:28	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	0.478	10/08/21 22:28	
Methyl-tert-butyl ether	ug/L	ND	1.00	0.101	10/08/21 22:28	
Naphthalene	ug/L	ND	5.00	1.00	10/08/21 22:28	
n-Propylbenzene	ug/L	ND	1.00	0.0993	10/08/21 22:28	
Styrene	ug/L	ND	1.00	0.118	10/08/21 22:28	
1,1,1,2-Tetrachloroethane	ug/L	ND	1.00	0.147	10/08/21 22:28	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.00	0.133	10/08/21 22:28	
Tetrachloroethene	ug/L	ND	1.00	0.300	10/08/21 22:28	
Toluene	ug/L	ND	1.00	0.278	10/08/21 22:28	
1,2,3-Trichlorobenzene	ug/L	ND	1.00	0.230	10/08/21 22:28	
1,2,4-Trichlorobenzene	ug/L	ND	1.00	0.481	10/08/21 22:28	
1,1,1-Trichloroethane	ug/L	ND	1.00	0.149	10/08/21 22:28	
1,1,2-Trichloroethane	ug/L	ND	1.00	0.158	10/08/21 22:28	
Trichloroethene	ug/L	ND	1.00	0.190	10/08/21 22:28	
Trichlorofluoromethane	ug/L	ND	5.00	0.160	10/08/21 22:28	
1,2,3-Trichloropropane	ug/L	ND	2.50	0.237	10/08/21 22:28	
1,2,4-Trimethylbenzene	ug/L	ND	1.00	0.322	10/08/21 22:28	
1,3,5-Trimethylbenzene	ug/L	ND	1.00	0.104	10/08/21 22:28	
Vinyl chloride	ug/L	ND	1.00	0.234	10/08/21 22:28	
o-Xylene	ug/L	ND	1.00	0.174	10/08/21 22:28	
m&p-Xylene	ug/L	ND	2.00	0.430	10/08/21 22:28	
Toluene-d8 (S)	%	104	80.0-120		10/08/21 22:28	
4-Bromofluorobenzene (S)	%	100	77.0-126		10/08/21 22:28	
1,2-Dichloroethane-d4 (S)	%	109	70.0-130		10/08/21 22:28	

LABORATORY CONTROL SAMPLE & LCSD: R3717396-1 R3717396-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acetone	ug/L	25.0	27.8	25.6	111	102	19.0-160	8.24	27	
Acrolein	ug/L	25.0	33.3	30.8	133	123	10.0-160	7.80	26	
Acrylonitrile	ug/L	25.0	28.2	27.1	113	108	55.0-149	3.98	20	
Benzene	ug/L	5.00	4.89	4.80	97.8	96.0	70.0-123	1.86	20	
Bromobenzene	ug/L	5.00	5.03	4.90	101	98.0	73.0-121	2.62	20	
Bromodichloromethane	ug/L	5.00	5.32	5.10	106	102	75.0-120	4.22	20	
Bromoform	ug/L	5.00	4.96	4.82	99.2	96.4	68.0-132	2.86	20	
Bromomethane	ug/L	5.00	3.82	3.75	76.4	75.0	10.0-160	1.85	25	
n-Butylbenzene	ug/L	5.00	4.72	4.59	94.4	91.8	73.0-125	2.79	20	
sec-Butylbenzene	ug/L	5.00	5.06	4.95	101	99.0	75.0-125	2.20	20	
tert-Butylbenzene	ug/L	5.00	4.86	4.75	97.2	95.0	76.0-124	2.29	20	
Carbon tetrachloride	ug/L	5.00	5.47	4.92	109	98.4	68.0-126	10.6	20	
Chlorobenzene	ug/L	5.00	4.80	4.77	96.0	95.4	80.0-121	0.627	20	
Dibromochloromethane	ug/L	5.00	5.13	5.14	103	103	77.0-125	0.195	20	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92563643

LABORATORY CONTROL SAMPLE & LCSD: R3717396-1 R3717396-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Chloroethane	ug/L	5.00	4.43	4.48	88.6	89.6	47.0-150	1.12	20	
Chloroform	ug/L	5.00	5.09	4.90	102	98.0	73.0-120	3.80	20	
Chloromethane	ug/L	5.00	4.30	3.95	86.0	79.0	41.0-142	8.48	20	
2-Chlorotoluene	ug/L	5.00	5.12	4.86	102	97.2	76.0-123	5.21	20	
4-Chlorotoluene	ug/L	5.00	5.11	4.89	102	97.8	75.0-122	4.40	20	
1,2-Dibromo-3-chloropropane	ug/L	5.00	4.39	4.39	87.8	87.8	58.0-134	0.00	20	
1,2-Dibromoethane (EDB)	ug/L	5.00	4.89	4.68	97.8	93.6	80.0-122	4.39	20	
Dibromomethane	ug/L	5.00	5.22	4.90	104	98.0	80.0-120	6.32	20	
1,2-Dichlorobenzene	ug/L	5.00	4.97	4.97	99.4	99.4	79.0-121	0.00	20	
1,3-Dichlorobenzene	ug/L	5.00	4.89	4.90	97.8	98.0	79.0-120	0.204	20	
1,4-Dichlorobenzene	ug/L	5.00	4.69	4.60	93.8	92.0	79.0-120	1.94	20	
Dichlorodifluoromethane	ug/L	5.00	4.90	4.65	98.0	93.0	51.0-149	5.24	20	
1,1-Dichloroethane	ug/L	5.00	5.18	4.86	104	97.2	70.0-126	6.37	20	
1,2-Dichloroethane	ug/L	5.00	5.16	5.04	103	101	70.0-128	2.35	20	
1,1-Dichloroethene	ug/L	5.00	5.31	5.10	106	102	71.0-124	4.03	20	
cis-1,2-Dichloroethene	ug/L	5.00	4.83	5.07	96.6	101	73.0-120	4.85	20	
trans-1,2-Dichloroethene	ug/L	5.00	5.21	4.90	104	98.0	73.0-120	6.13	20	
1,2-Dichloropropane	ug/L	5.00	4.96	4.87	99.2	97.4	77.0-125	1.83	20	
1,1-Dichloropropene	ug/L	5.00	5.27	4.98	105	99.6	74.0-126	5.66	20	
1,3-Dichloropropane	ug/L	5.00	5.05	5.10	101	102	80.0-120	0.985	20	
2,2-Dichloropropane	ug/L	5.00	5.98	5.65	120	113	58.0-130	5.67	20	
Diisopropyl ether	ug/L	5.00	5.09	5.00	102	100	58.0-138	1.78	20	
Ethylbenzene	ug/L	5.00	5.09	5.10	102	102	79.0-123	0.196	20	
Hexachloro-1,3-butadiene	ug/L	5.00	4.93	4.60	98.6	92.0	54.0-138	6.93	20	
Isopropylbenzene (Cumene)	ug/L	5.00	4.78	4.70	95.6	94.0	76.0-127	1.69	20	
p-Isopropyltoluene	ug/L	5.00	5.01	4.93	100	98.6	76.0-125	1.61	20	
2-Butanone (MEK)	ug/L	25.0	27.9	26.6	112	106	44.0-160	4.77	20	
Methylene Chloride	ug/L	5.00	5.51	5.33	110	107	67.0-120	3.32	20	
4-Methyl-2-pentanone (MIBK)	ug/L	25.0	27.2	26.5	109	106	68.0-142	2.61	20	
Methyl-tert-butyl ether	ug/L	5.00	5.25	4.96	105	99.2	68.0-125	5.68	20	
Naphthalene	ug/L	5.00	4.20	4.06	84.0	81.2	54.0-135	3.39	20	
n-Propylbenzene	ug/L	5.00	4.97	4.88	99.4	97.6	77.0-124	1.83	20	
Styrene	ug/L	5.00	4.86	4.66	97.2	93.2	73.0-130	4.20	20	
1,1,1,2-Tetrachloroethane	ug/L	5.00	4.78	4.74	95.6	94.8	75.0-125	0.840	20	
1,1,2,2-Tetrachloroethane	ug/L	5.00	5.55	5.61	111	112	65.0-130	1.08	20	
Tetrachloroethene	ug/L	5.00	5.04	5.07	101	101	72.0-132	0.593	20	
Toluene	ug/L	5.00	4.86	4.71	97.2	94.2	79.0-120	3.13	20	
1,2,3-Trichlorobenzene	ug/L	5.00	4.43	4.85	88.6	97.0	50.0-138	9.05	20	
1,2,4-Trichlorobenzene	ug/L	5.00	4.34	4.48	86.8	89.6	57.0-137	3.17	20	
1,1,1-Trichloroethane	ug/L	5.00	5.39	5.13	108	103	73.0-124	4.94	20	
1,1,2-Trichloroethane	ug/L	5.00	4.88	4.87	97.6	97.4	80.0-120	0.205	20	
Trichloroethene	ug/L	5.00	4.92	4.87	98.4	97.4	78.0-124	1.02	20	
Trichlorofluoromethane	ug/L	5.00	4.90	4.73	98.0	94.6	59.0-147	3.53	20	
1,2,3-Trichloropropane	ug/L	5.00	4.75	5.02	95.0	100	73.0-130	5.53	20	
1,2,4-Trimethylbenzene	ug/L	5.00	4.80	4.79	96.0	95.8	76.0-121	0.209	20	
1,3,5-Trimethylbenzene	ug/L	5.00	5.02	4.91	100	98.2	76.0-122	2.22	20	
Vinyl chloride	ug/L	5.00	4.49	4.30	89.8	86.0	67.0-131	4.32	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92563643

LABORATORY CONTROL SAMPLE & LCSD: R3717396-1 R3717396-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
o-Xylene	ug/L	5.00	4.92	4.68	98.4	93.6	80.0-122	5.00	20	
m&p-Xylene	ug/L	10.0	9.66	9.71	96.6	97.1	80.0-122	0.516	20	
Toluene-d8 (S)	%				99.5	102	80.0-120			
4-Bromofluorobenzene (S)	%				96.8	97.1	77.0-126			
1,2-Dichloroethane-d4 (S)	%				107	107	70.0-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: 2020-L1-2448
Pace Project No.: 92563643

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2020-L1-2448
Pace Project No.: 92563643

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92563643001	**14226_HC_RD_09282021**	MADEPV	1755200	MADEP VPH	1755200
92563643001	**14226_HC_RD_09282021**	EPA 3010A	649812	EPA 6010D	649827
92563643001	**14226_HC_RD_09282021**	6200B-2011	1753792	SM 6200B	1753792

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Pace Analytical

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

ALL SHADED AR

WO# : 92563643

92563643

Container Preservative Type **

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3
(6) methanol, (7) sodium bisulfate, (8) sodium thiosulfa
(C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Company: Apex Companies	Billing Information:
Address:	
Report To: Andrew Street	Email To: andrew.street@apexcos.com
Copy To:	Site Collection Info/Address: 14226 Huntersville Concord RD.
Customer Project Name/Number: 2020-L1-2448	State: NC County/City: Huntersville Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET
Phone: Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Matt Teixeira	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature): [signature]	Turnaround Date Required: ASAP Immediately Packed on Ice: [ ] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [ ] No Analysis: _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Analyses

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	VOCs 6200B	MADEP VPH	Lead							
14226_HC_RD	DW	G	9-28-21	11:40				8	X	X	X							

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips:			
Sample pH Acceptable	Y	N	NA
pH Strips: 1000411			
Sulfide Present	Y	N	NA
Lead Acetate Strips:			

KS 9/20

LAB USE ONLY:
Lab Sample # / Comments:
92563643
04

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: BB

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2546699

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 92T064
Cooler 1 Temp Upon Receipt: 4.3 oC
Cooler 1 Therm Corr. Factor: 0 oC
Cooler 1 Corrected Temp: 4.3 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Matt Rex / Apex	9-28-21/1313	KS Pace HVL	9/28/21 1313
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: _____ of: _____

***Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.**

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

****Bottom half of box is to list number of bottles**

Proje

WO# : 92563643

PM: AMB Due Date: 10/05/21

CLIENT: 92-APEX MOOR

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AGUU-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1						1										7													
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 19, 2021

Andrew Street
Apex Companies - NC
5900 Northwoods Business Pkwy
Suite 5900-0
Charlotte, NC 28269

RE: Project: 2020-L1-2448
Pace Project No.: 92563645

Dear Andrew Street:

Enclosed are the analytical results for sample(s) received by the laboratory on September 28, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Asheville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angela M. Baioni

Angela Baioni
angela.baioni@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: J Culbreath, Colonial Pipeline Company
Naomi Fretz, APEX Companies, LLC
Robert Hughes, Colonial Pipeline
Cameron Lee, Montrose-EPS
Jamie Moran, APEX Companies, LLC
Jeff Morrison, Colonial Pipeline Company
Tom Naumann, APEX Companies - NC
Joe Nicolette, Montrose-EPS
Kaitlyn Nootens, Apex Companies
Christopher Schultz, Apex Companies
Matt Teixeira, Apex Companies, LLC
Michael Verdon, Colonial Pipeline Company
JM Wyatt, Colonial Pipeline Company

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 2020-L1-2448
Pace Project No.: 92563645

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

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SAMPLE SUMMARY

Project: 2020-L1-2448
Pace Project No.: 92563645

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92563645001	**DUP-1**	Water	09/28/21 00:00	09/28/21 13:13
92563645002	**FB-1**	Water	09/28/21 00:00	09/28/21 13:13
92563645003	**TRIP BLANK**	Water	09/28/21 00:00	09/28/21 13:13

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SAMPLE ANALYTE COUNT

Project: 2020-L1-2448
Pace Project No.: 92563645

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92563645001	**DUP-1**	MADEP VPH	BMB	6	PAN
		EPA 6010D	DS	1	PASI-A
		SM 6200B	BMB	66	PAN
92563645002	**FB-1**	MADEP VPH	BMB	6	PAN
		EPA 6010D	DS	1	PASI-A
		SM 6200B	BMB	66	PAN
92563645003	**TRIP BLANK**	SM 6200B	BMB	66	PAN

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville

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ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92563645

Sample: DUP-1 **Lab ID: 92563645001** Collected: 09/28/21 00:00 Received: 09/28/21 13:13 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
MADEPV	Analytical Method: MADEP VPH Preparation Method: MADEPV Pace National - Mt. Juliet								
Aliphatic (C05-C08)	ND	ug/L	100	33.3	1	10/12/21 11:41	10/12/21 11:41		
Aliphatic (C09-C12)	ND	ug/L	100	33.3	1	10/12/21 11:41	10/12/21 11:41		
Aromatic (C09-C10),Unadjusted	ND	ug/L	100	33.3	1	10/12/21 11:41	10/12/21 11:41	TPHC9C10A	
Total VPH	ND	ug/L	100	33.3	1	10/12/21 11:41	10/12/21 11:41	VPH	
Surrogates									
2,5-Dibromotoluene (FID)	106	%	70.0-130		1	10/12/21 11:41	10/12/21 11:41	615-59-8FID	
2,5-Dibromotoluene (PID)	105	%	70.0-130		1	10/12/21 11:41	10/12/21 11:41	615-59-8PID	
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/29/21 02:00	10/01/21 23:10	7439-92-1	
VOA (GC/MS) 6200B-2011	Analytical Method: SM 6200B Preparation Method: 6200B-2011 Pace National - Mt. Juliet								
Acetone	ND	ug/L	50.0	11.3	1	10/09/21 02:44	10/09/21 02:44	67-64-1	
Acrolein	ND	ug/L	50.0	2.54	1	10/09/21 02:44	10/09/21 02:44	107-02-8	
Acrylonitrile	ND	ug/L	10.0	0.671	1	10/09/21 02:44	10/09/21 02:44	107-13-1	
Benzene	ND	ug/L	1.00	0.0941	1	10/09/21 02:44	10/09/21 02:44	71-43-2	
Bromobenzene	ND	ug/L	1.00	0.118	1	10/09/21 02:44	10/09/21 02:44	108-86-1	
Bromodichloromethane	ND	ug/L	1.00	0.136	1	10/09/21 02:44	10/09/21 02:44	75-27-4	
Bromoform	ND	ug/L	1.00	0.129	1	10/09/21 02:44	10/09/21 02:44	75-25-2	
Bromomethane	ND	ug/L	5.00	0.605	1	10/09/21 02:44	10/09/21 02:44	74-83-9	
n-Butylbenzene	ND	ug/L	1.00	0.157	1	10/09/21 02:44	10/09/21 02:44	104-51-8	
sec-Butylbenzene	ND	ug/L	1.00	0.125	1	10/09/21 02:44	10/09/21 02:44	135-98-8	
tert-Butylbenzene	ND	ug/L	1.00	0.127	1	10/09/21 02:44	10/09/21 02:44	98-06-6	
Carbon tetrachloride	ND	ug/L	1.00	0.128	1	10/09/21 02:44	10/09/21 02:44	56-23-5	
Chlorobenzene	ND	ug/L	1.00	0.116	1	10/09/21 02:44	10/09/21 02:44	108-90-7	
Dibromochloromethane	ND	ug/L	1.00	0.140	1	10/09/21 02:44	10/09/21 02:44	124-48-1	
Chloroethane	ND	ug/L	5.00	0.192	1	10/09/21 02:44	10/09/21 02:44	75-00-3	
Chloroform	**0.287J**	ug/L	5.00	0.111	1	10/09/21 02:44	10/09/21 02:44	67-66-3	J
Chloromethane	ND	ug/L	2.50	0.960	1	10/09/21 02:44	10/09/21 02:44	74-87-3	
2-Chlorotoluene	ND	ug/L	1.00	0.106	1	10/09/21 02:44	10/09/21 02:44	95-49-8	
4-Chlorotoluene	ND	ug/L	1.00	0.114	1	10/09/21 02:44	10/09/21 02:44	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.00	0.276	1	10/09/21 02:44	10/09/21 02:44	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.00	0.126	1	10/09/21 02:44	10/09/21 02:44	106-93-4	
Dibromomethane	ND	ug/L	1.00	0.122	1	10/09/21 02:44	10/09/21 02:44	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.00	0.107	1	10/09/21 02:44	10/09/21 02:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.00	0.110	1	10/09/21 02:44	10/09/21 02:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.00	0.120	1	10/09/21 02:44	10/09/21 02:44	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.00	0.374	1	10/09/21 02:44	10/09/21 02:44	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.00	0.100	1	10/09/21 02:44	10/09/21 02:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.00	0.0819	1	10/09/21 02:44	10/09/21 02:44	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.00	0.188	1	10/09/21 02:44	10/09/21 02:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.00	0.126	1	10/09/21 02:44	10/09/21 02:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.00	0.149	1	10/09/21 02:44	10/09/21 02:44	156-60-5	

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(704)875-9092

ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92563645

Sample: DUP-1 **Lab ID: 92563645001** Collected: 09/28/21 00:00 Received: 09/28/21 13:13 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC/MS) 6200B-2011	Analytical Method: SM 6200B Preparation Method: 6200B-2011 Pace National - Mt. Juliet								
1,2-Dichloropropane	ND	ug/L	1.00	0.149	1	10/09/21 02:44	10/09/21 02:44	78-87-5	
1,1-Dichloropropene	ND	ug/L	1.00	0.142	1	10/09/21 02:44	10/09/21 02:44	563-58-6	
1,3-Dichloropropane	ND	ug/L	1.00	0.110	1	10/09/21 02:44	10/09/21 02:44	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.00	0.161	1	10/09/21 02:44	10/09/21 02:44	594-20-7	
Diisopropyl ether	ND	ug/L	1.00	0.105	1	10/09/21 02:44	10/09/21 02:44	108-20-3	
Ethylbenzene	ND	ug/L	1.00	0.137	1	10/09/21 02:44	10/09/21 02:44	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.00	0.337	1	10/09/21 02:44	10/09/21 02:44	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.00	0.105	1	10/09/21 02:44	10/09/21 02:44	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.00	0.120	1	10/09/21 02:44	10/09/21 02:44	99-87-6	
2-Butanone (MEK)	ND	ug/L	10.0	1.19	1	10/09/21 02:44	10/09/21 02:44	78-93-3	
Methylene Chloride	ND	ug/L	5.00	0.430	1	10/09/21 02:44	10/09/21 02:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.478	1	10/09/21 02:44	10/09/21 02:44	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.00	0.101	1	10/09/21 02:44	10/09/21 02:44	1634-04-4	
Naphthalene	ND	ug/L	5.00	1.00	1	10/09/21 02:44	10/09/21 02:44	91-20-3	
n-Propylbenzene	ND	ug/L	1.00	0.0993	1	10/09/21 02:44	10/09/21 02:44	103-65-1	
Styrene	ND	ug/L	1.00	0.118	1	10/09/21 02:44	10/09/21 02:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.00	0.147	1	10/09/21 02:44	10/09/21 02:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.00	0.133	1	10/09/21 02:44	10/09/21 02:44	79-34-5	
Tetrachloroethene	ND	ug/L	1.00	0.300	1	10/09/21 02:44	10/09/21 02:44	127-18-4	
Toluene	ND	ug/L	1.00	0.278	1	10/09/21 02:44	10/09/21 02:44	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.00	0.230	1	10/09/21 02:44	10/09/21 02:44	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.00	0.481	1	10/09/21 02:44	10/09/21 02:44	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.00	0.149	1	10/09/21 02:44	10/09/21 02:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.00	0.158	1	10/09/21 02:44	10/09/21 02:44	79-00-5	
Trichloroethene	ND	ug/L	1.00	0.190	1	10/09/21 02:44	10/09/21 02:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.00	0.160	1	10/09/21 02:44	10/09/21 02:44	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.50	0.237	1	10/09/21 02:44	10/09/21 02:44	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.00	0.322	1	10/09/21 02:44	10/09/21 02:44	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.00	0.104	1	10/09/21 02:44	10/09/21 02:44	108-67-8	
Vinyl chloride	ND	ug/L	1.00	0.234	1	10/09/21 02:44	10/09/21 02:44	75-01-4	
o-Xylene	ND	ug/L	1.00	0.174	1	10/09/21 02:44	10/09/21 02:44	95-47-6	
m&p-Xylene	ND	ug/L	2.00	0.430	1	10/09/21 02:44	10/09/21 02:44	179601-23-1	
Surrogates									
Toluene-d8 (S)	104	%	80.0-120		1	10/09/21 02:44	10/09/21 02:44	2037-26-5	
4-Bromofluorobenzene (S)	101	%	77.0-126		1	10/09/21 02:44	10/09/21 02:44	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70.0-130		1	10/09/21 02:44	10/09/21 02:44	17060-07-0	

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ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92563645

Sample: FB-1 **Lab ID: 92563645002** Collected: 09/28/21 00:00 Received: 09/28/21 13:13 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
MADEPV	Analytical Method: MADEP VPH Preparation Method: MADEPV Pace National - Mt. Juliet								
Aliphatic (C05-C08)	ND	ug/L	100	33.3	1	10/12/21 08:54	10/12/21 08:54		
Aliphatic (C09-C12)	ND	ug/L	100	33.3	1	10/12/21 08:54	10/12/21 08:54		
Aromatic (C09-C10),Unadjusted	ND	ug/L	100	33.3	1	10/12/21 08:54	10/12/21 08:54	TPHC9C10A	
Total VPH	ND	ug/L	100	33.3	1	10/12/21 08:54	10/12/21 08:54	VPH	
Surrogates									
2,5-Dibromotoluene (FID)	95.8	%	70.0-130		1	10/12/21 08:54	10/12/21 08:54	615-59-8FID	
2,5-Dibromotoluene (PID)	95.7	%	70.0-130		1	10/12/21 08:54	10/12/21 08:54	615-59-8PID	
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/29/21 02:00	10/01/21 23:13	7439-92-1	
VOA (GC/MS) 6200B-2011	Analytical Method: SM 6200B Preparation Method: 6200B-2011 Pace National - Mt. Juliet								
Acetone	ND	ug/L	50.0	11.3	1	10/09/21 01:40	10/09/21 01:40	67-64-1	
Acrolein	ND	ug/L	50.0	2.54	1	10/09/21 01:40	10/09/21 01:40	107-02-8	
Acrylonitrile	ND	ug/L	10.0	0.671	1	10/09/21 01:40	10/09/21 01:40	107-13-1	
Benzene	ND	ug/L	1.00	0.0941	1	10/09/21 01:40	10/09/21 01:40	71-43-2	
Bromobenzene	ND	ug/L	1.00	0.118	1	10/09/21 01:40	10/09/21 01:40	108-86-1	
Bromodichloromethane	ND	ug/L	1.00	0.136	1	10/09/21 01:40	10/09/21 01:40	75-27-4	
Bromoform	ND	ug/L	1.00	0.129	1	10/09/21 01:40	10/09/21 01:40	75-25-2	
Bromomethane	ND	ug/L	5.00	0.605	1	10/09/21 01:40	10/09/21 01:40	74-83-9	
n-Butylbenzene	ND	ug/L	1.00	0.157	1	10/09/21 01:40	10/09/21 01:40	104-51-8	
sec-Butylbenzene	ND	ug/L	1.00	0.125	1	10/09/21 01:40	10/09/21 01:40	135-98-8	
tert-Butylbenzene	ND	ug/L	1.00	0.127	1	10/09/21 01:40	10/09/21 01:40	98-06-6	
Carbon tetrachloride	ND	ug/L	1.00	0.128	1	10/09/21 01:40	10/09/21 01:40	56-23-5	
Chlorobenzene	ND	ug/L	1.00	0.116	1	10/09/21 01:40	10/09/21 01:40	108-90-7	
Dibromochloromethane	ND	ug/L	1.00	0.140	1	10/09/21 01:40	10/09/21 01:40	124-48-1	
Chloroethane	ND	ug/L	5.00	0.192	1	10/09/21 01:40	10/09/21 01:40	75-00-3	
Chloroform	ND	ug/L	5.00	0.111	1	10/09/21 01:40	10/09/21 01:40	67-66-3	
Chloromethane	ND	ug/L	2.50	0.960	1	10/09/21 01:40	10/09/21 01:40	74-87-3	
2-Chlorotoluene	ND	ug/L	1.00	0.106	1	10/09/21 01:40	10/09/21 01:40	95-49-8	
4-Chlorotoluene	ND	ug/L	1.00	0.114	1	10/09/21 01:40	10/09/21 01:40	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.00	0.276	1	10/09/21 01:40	10/09/21 01:40	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.00	0.126	1	10/09/21 01:40	10/09/21 01:40	106-93-4	
Dibromomethane	ND	ug/L	1.00	0.122	1	10/09/21 01:40	10/09/21 01:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.00	0.107	1	10/09/21 01:40	10/09/21 01:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.00	0.110	1	10/09/21 01:40	10/09/21 01:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.00	0.120	1	10/09/21 01:40	10/09/21 01:40	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.00	0.374	1	10/09/21 01:40	10/09/21 01:40	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.00	0.100	1	10/09/21 01:40	10/09/21 01:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.00	0.0819	1	10/09/21 01:40	10/09/21 01:40	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.00	0.188	1	10/09/21 01:40	10/09/21 01:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.00	0.126	1	10/09/21 01:40	10/09/21 01:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.00	0.149	1	10/09/21 01:40	10/09/21 01:40	156-60-5	

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ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92563645

Sample: FB-1 **Lab ID: 92563645002** Collected: 09/28/21 00:00 Received: 09/28/21 13:13 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC/MS) 6200B-2011	Analytical Method: SM 6200B Preparation Method: 6200B-2011 Pace National - Mt. Juliet								
1,2-Dichloropropane	ND	ug/L	1.00	0.149	1	10/09/21 01:40	10/09/21 01:40	78-87-5	
1,1-Dichloropropene	ND	ug/L	1.00	0.142	1	10/09/21 01:40	10/09/21 01:40	563-58-6	
1,3-Dichloropropane	ND	ug/L	1.00	0.110	1	10/09/21 01:40	10/09/21 01:40	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.00	0.161	1	10/09/21 01:40	10/09/21 01:40	594-20-7	
Diisopropyl ether	ND	ug/L	1.00	0.105	1	10/09/21 01:40	10/09/21 01:40	108-20-3	
Ethylbenzene	ND	ug/L	1.00	0.137	1	10/09/21 01:40	10/09/21 01:40	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.00	0.337	1	10/09/21 01:40	10/09/21 01:40	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.00	0.105	1	10/09/21 01:40	10/09/21 01:40	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.00	0.120	1	10/09/21 01:40	10/09/21 01:40	99-87-6	
2-Butanone (MEK)	**7.82J**	ug/L	10.0	1.19	1	10/09/21 01:40	10/09/21 01:40	78-93-3	J
Methylene Chloride	ND	ug/L	5.00	0.430	1	10/09/21 01:40	10/09/21 01:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.478	1	10/09/21 01:40	10/09/21 01:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.00	0.101	1	10/09/21 01:40	10/09/21 01:40	1634-04-4	
Naphthalene	ND	ug/L	5.00	1.00	1	10/09/21 01:40	10/09/21 01:40	91-20-3	
n-Propylbenzene	ND	ug/L	1.00	0.0993	1	10/09/21 01:40	10/09/21 01:40	103-65-1	
Styrene	ND	ug/L	1.00	0.118	1	10/09/21 01:40	10/09/21 01:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.00	0.147	1	10/09/21 01:40	10/09/21 01:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.00	0.133	1	10/09/21 01:40	10/09/21 01:40	79-34-5	
Tetrachloroethene	ND	ug/L	1.00	0.300	1	10/09/21 01:40	10/09/21 01:40	127-18-4	
Toluene	ND	ug/L	1.00	0.278	1	10/09/21 01:40	10/09/21 01:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.00	0.230	1	10/09/21 01:40	10/09/21 01:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.00	0.481	1	10/09/21 01:40	10/09/21 01:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.00	0.149	1	10/09/21 01:40	10/09/21 01:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.00	0.158	1	10/09/21 01:40	10/09/21 01:40	79-00-5	
Trichloroethene	ND	ug/L	1.00	0.190	1	10/09/21 01:40	10/09/21 01:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.00	0.160	1	10/09/21 01:40	10/09/21 01:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.50	0.237	1	10/09/21 01:40	10/09/21 01:40	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.00	0.322	1	10/09/21 01:40	10/09/21 01:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.00	0.104	1	10/09/21 01:40	10/09/21 01:40	108-67-8	
Vinyl chloride	ND	ug/L	1.00	0.234	1	10/09/21 01:40	10/09/21 01:40	75-01-4	
o-Xylene	ND	ug/L	1.00	0.174	1	10/09/21 01:40	10/09/21 01:40	95-47-6	
m&p-Xylene	ND	ug/L	2.00	0.430	1	10/09/21 01:40	10/09/21 01:40	179601-23-1	
Surrogates									
Toluene-d8 (S)	106	%	80.0-120		1	10/09/21 01:40	10/09/21 01:40	2037-26-5	
4-Bromofluorobenzene (S)	98.7	%	77.0-126		1	10/09/21 01:40	10/09/21 01:40	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70.0-130		1	10/09/21 01:40	10/09/21 01:40	17060-07-0	

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ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92563645

Sample: TRIP BLANK **Lab ID: 92563645003** Collected: 09/28/21 00:00 Received: 09/28/21 13:13 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC/MS) 6200B-2011	Analytical Method: SM 6200B Preparation Method: 6200B-2011 Pace National - Mt. Juliet								
Acetone	ND	ug/L	50.0	11.3	1	10/09/21 00:57	10/09/21 00:57	67-64-1	
Acrolein	ND	ug/L	50.0	2.54	1	10/09/21 00:57	10/09/21 00:57	107-02-8	
Acrylonitrile	ND	ug/L	10.0	0.671	1	10/09/21 00:57	10/09/21 00:57	107-13-1	
Benzene	ND	ug/L	1.00	0.0941	1	10/09/21 00:57	10/09/21 00:57	71-43-2	
Bromobenzene	ND	ug/L	1.00	0.118	1	10/09/21 00:57	10/09/21 00:57	108-86-1	
Bromodichloromethane	ND	ug/L	1.00	0.136	1	10/09/21 00:57	10/09/21 00:57	75-27-4	
Bromoform	ND	ug/L	1.00	0.129	1	10/09/21 00:57	10/09/21 00:57	75-25-2	
Bromomethane	ND	ug/L	5.00	0.605	1	10/09/21 00:57	10/09/21 00:57	74-83-9	
n-Butylbenzene	ND	ug/L	1.00	0.157	1	10/09/21 00:57	10/09/21 00:57	104-51-8	
sec-Butylbenzene	ND	ug/L	1.00	0.125	1	10/09/21 00:57	10/09/21 00:57	135-98-8	
tert-Butylbenzene	ND	ug/L	1.00	0.127	1	10/09/21 00:57	10/09/21 00:57	98-06-6	
Carbon tetrachloride	ND	ug/L	1.00	0.128	1	10/09/21 00:57	10/09/21 00:57	56-23-5	
Chlorobenzene	ND	ug/L	1.00	0.116	1	10/09/21 00:57	10/09/21 00:57	108-90-7	
Dibromochloromethane	ND	ug/L	1.00	0.140	1	10/09/21 00:57	10/09/21 00:57	124-48-1	
Chloroethane	ND	ug/L	5.00	0.192	1	10/09/21 00:57	10/09/21 00:57	75-00-3	
Chloroform	ND	ug/L	5.00	0.111	1	10/09/21 00:57	10/09/21 00:57	67-66-3	
Chloromethane	ND	ug/L	2.50	0.960	1	10/09/21 00:57	10/09/21 00:57	74-87-3	
2-Chlorotoluene	ND	ug/L	1.00	0.106	1	10/09/21 00:57	10/09/21 00:57	95-49-8	
4-Chlorotoluene	ND	ug/L	1.00	0.114	1	10/09/21 00:57	10/09/21 00:57	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.00	0.276	1	10/09/21 00:57	10/09/21 00:57	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.00	0.126	1	10/09/21 00:57	10/09/21 00:57	106-93-4	
Dibromomethane	ND	ug/L	1.00	0.122	1	10/09/21 00:57	10/09/21 00:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.00	0.107	1	10/09/21 00:57	10/09/21 00:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.00	0.110	1	10/09/21 00:57	10/09/21 00:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.00	0.120	1	10/09/21 00:57	10/09/21 00:57	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.00	0.374	1	10/09/21 00:57	10/09/21 00:57	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.00	0.100	1	10/09/21 00:57	10/09/21 00:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.00	0.0819	1	10/09/21 00:57	10/09/21 00:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.00	0.188	1	10/09/21 00:57	10/09/21 00:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.00	0.126	1	10/09/21 00:57	10/09/21 00:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.00	0.149	1	10/09/21 00:57	10/09/21 00:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.00	0.149	1	10/09/21 00:57	10/09/21 00:57	78-87-5	
1,1-Dichloropropene	ND	ug/L	1.00	0.142	1	10/09/21 00:57	10/09/21 00:57	563-58-6	
1,3-Dichloropropane	ND	ug/L	1.00	0.110	1	10/09/21 00:57	10/09/21 00:57	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.00	0.161	1	10/09/21 00:57	10/09/21 00:57	594-20-7	
Diisopropyl ether	ND	ug/L	1.00	0.105	1	10/09/21 00:57	10/09/21 00:57	108-20-3	
Ethylbenzene	ND	ug/L	1.00	0.137	1	10/09/21 00:57	10/09/21 00:57	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.00	0.337	1	10/09/21 00:57	10/09/21 00:57	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.00	0.105	1	10/09/21 00:57	10/09/21 00:57	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.00	0.120	1	10/09/21 00:57	10/09/21 00:57	99-87-6	
2-Butanone (MEK)	ND	ug/L	10.0	1.19	1	10/09/21 00:57	10/09/21 00:57	78-93-3	
Methylene Chloride	**0.672J**	ug/L	5.00	0.430	1	10/09/21 00:57	10/09/21 00:57	75-09-2	J
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.478	1	10/09/21 00:57	10/09/21 00:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.00	0.101	1	10/09/21 00:57	10/09/21 00:57	1634-04-4	
Naphthalene	ND	ug/L	5.00	1.00	1	10/09/21 00:57	10/09/21 00:57	91-20-3	

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92563645

Sample: TRIP BLANK **Lab ID: 92563645003** Collected: 09/28/21 00:00 Received: 09/28/21 13:13 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC/MS) 6200B-2011	Analytical Method: SM 6200B Preparation Method: 6200B-2011 Pace National - Mt. Juliet								
n-Propylbenzene	ND	ug/L	1.00	0.0993	1	10/09/21 00:57	10/09/21 00:57	103-65-1	
Styrene	ND	ug/L	1.00	0.118	1	10/09/21 00:57	10/09/21 00:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.00	0.147	1	10/09/21 00:57	10/09/21 00:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.00	0.133	1	10/09/21 00:57	10/09/21 00:57	79-34-5	
Tetrachloroethene	ND	ug/L	1.00	0.300	1	10/09/21 00:57	10/09/21 00:57	127-18-4	
Toluene	ND	ug/L	1.00	0.278	1	10/09/21 00:57	10/09/21 00:57	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.00	0.230	1	10/09/21 00:57	10/09/21 00:57	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.00	0.481	1	10/09/21 00:57	10/09/21 00:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.00	0.149	1	10/09/21 00:57	10/09/21 00:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.00	0.158	1	10/09/21 00:57	10/09/21 00:57	79-00-5	
Trichloroethene	ND	ug/L	1.00	0.190	1	10/09/21 00:57	10/09/21 00:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.00	0.160	1	10/09/21 00:57	10/09/21 00:57	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.50	0.237	1	10/09/21 00:57	10/09/21 00:57	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.00	0.322	1	10/09/21 00:57	10/09/21 00:57	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.00	0.104	1	10/09/21 00:57	10/09/21 00:57	108-67-8	
Vinyl chloride	ND	ug/L	1.00	0.234	1	10/09/21 00:57	10/09/21 00:57	75-01-4	
o-Xylene	ND	ug/L	1.00	0.174	1	10/09/21 00:57	10/09/21 00:57	95-47-6	
m&p-Xylene	ND	ug/L	2.00	0.430	1	10/09/21 00:57	10/09/21 00:57	179601-23-1	
Surrogates									
Toluene-d8 (S)	104	%	80.0-120		1	10/09/21 00:57	10/09/21 00:57	2037-26-5	
4-Bromofluorobenzene (S)	102	%	77.0-126		1	10/09/21 00:57	10/09/21 00:57	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70.0-130		1	10/09/21 00:57	10/09/21 00:57	17060-07-0	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92563645

QC Batch: 1755200
QC Batch Method: KS LRH/MADEPV/MTDEQ VPH/VPH
Analysis Method: MADEP VPH
Analysis Description: MADEPV
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92563645001, 92563645002

METHOD BLANK: R3716812-3 Matrix: Water
Associated Lab Samples: 92563645001, 92563645002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (C05-C08)	ug/L	ND	100	33.3	10/12/21 07:41	
Aliphatic (C09-C12)	ug/L	ND	100	33.3	10/12/21 07:41	
Aromatic (C09-C10),Unadjusted	ug/L	ND	100	33.3	10/12/21 07:41	
Total VPH	ug/L	ND	100	33.3	10/12/21 07:41	
2,5-Dibromotoluene (FID)	%	84.7	70.0-130		10/12/21 07:41	
2,5-Dibromotoluene (PID)	%	83.9	70.0-130		10/12/21 07:41	

LABORATORY CONTROL SAMPLE & LCSD: R3716812-1 R3716812-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	ug/L	1200	1060	1080	88.3	90.0	70.0-130	1.87	25	
Aliphatic (C09-C12)	ug/L	1400	1370	1410	97.9	101	70.0-130	2.88	25	
Aromatic (C09-C10),Unadjusted	ug/L	200	236	244	118	122	70.0-130	3.33	25	
Total VPH	ug/L	2800	2670	2730	95.4	97.5	70.0-130	2.22	25	
2,5-Dibromotoluene (FID)	%				97.8	105	70.0-130			
2,5-Dibromotoluene (PID)	%				99.5	107	70.0-130			

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92563645

QC Batch: 649812
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92563645001, 92563645002

METHOD BLANK: 3408194 Matrix: Water
Associated Lab Samples: 92563645001, 92563645002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	4.5	10/02/21 04:28	

LABORATORY CONTROL SAMPLE: 3408195

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	495	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3408196 3408197

Parameter	Units	92563460001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	506	493	101	98	75-125	3	20	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92563645

QC Batch: 1753792
QC Batch Method: 8260B
Analysis Method: SM 6200B
Analysis Description: VOA (GC/MS) 6200B-2011
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92563645001, 92563645002, 92563645003

METHOD BLANK: R3717396-3 Matrix: Water
Associated Lab Samples: 92563645001, 92563645002, 92563645003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acetone	ug/L	ND	50.0	11.3	10/08/21 22:28	
Acrolein	ug/L	ND	50.0	2.54	10/08/21 22:28	
Acrylonitrile	ug/L	ND	10.0	0.671	10/08/21 22:28	
Benzene	ug/L	ND	1.00	0.0941	10/08/21 22:28	
Bromobenzene	ug/L	ND	1.00	0.118	10/08/21 22:28	
Bromodichloromethane	ug/L	ND	1.00	0.136	10/08/21 22:28	
Bromoform	ug/L	ND	1.00	0.129	10/08/21 22:28	
Bromomethane	ug/L	ND	5.00	0.605	10/08/21 22:28	
n-Butylbenzene	ug/L	ND	1.00	0.157	10/08/21 22:28	
sec-Butylbenzene	ug/L	ND	1.00	0.125	10/08/21 22:28	
tert-Butylbenzene	ug/L	ND	1.00	0.127	10/08/21 22:28	
Carbon tetrachloride	ug/L	ND	1.00	0.128	10/08/21 22:28	
Chlorobenzene	ug/L	ND	1.00	0.116	10/08/21 22:28	
Dibromochloromethane	ug/L	ND	1.00	0.140	10/08/21 22:28	
Chloroethane	ug/L	ND	5.00	0.192	10/08/21 22:28	
Chloroform	ug/L	ND	5.00	0.111	10/08/21 22:28	
Chloromethane	ug/L	ND	2.50	0.960	10/08/21 22:28	
2-Chlorotoluene	ug/L	ND	1.00	0.106	10/08/21 22:28	
4-Chlorotoluene	ug/L	ND	1.00	0.114	10/08/21 22:28	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.00	0.276	10/08/21 22:28	
1,2-Dibromoethane (EDB)	ug/L	ND	1.00	0.126	10/08/21 22:28	
Dibromomethane	ug/L	ND	1.00	0.122	10/08/21 22:28	
1,2-Dichlorobenzene	ug/L	ND	1.00	0.107	10/08/21 22:28	
1,3-Dichlorobenzene	ug/L	ND	1.00	0.110	10/08/21 22:28	
1,4-Dichlorobenzene	ug/L	ND	1.00	0.120	10/08/21 22:28	
Dichlorodifluoromethane	ug/L	ND	5.00	0.374	10/08/21 22:28	
1,1-Dichloroethane	ug/L	ND	1.00	0.100	10/08/21 22:28	
1,2-Dichloroethane	ug/L	ND	1.00	0.0819	10/08/21 22:28	
1,1-Dichloroethene	ug/L	ND	1.00	0.188	10/08/21 22:28	
cis-1,2-Dichloroethene	ug/L	ND	1.00	0.126	10/08/21 22:28	
trans-1,2-Dichloroethene	ug/L	ND	1.00	0.149	10/08/21 22:28	
1,2-Dichloropropane	ug/L	ND	1.00	0.149	10/08/21 22:28	
1,1-Dichloropropene	ug/L	ND	1.00	0.142	10/08/21 22:28	
1,3-Dichloropropane	ug/L	ND	1.00	0.110	10/08/21 22:28	
2,2-Dichloropropane	ug/L	ND	1.00	0.161	10/08/21 22:28	
Diisopropyl ether	ug/L	ND	1.00	0.105	10/08/21 22:28	
Ethylbenzene	ug/L	ND	1.00	0.137	10/08/21 22:28	
Hexachloro-1,3-butadiene	ug/L	ND	1.00	0.337	10/08/21 22:28	
Isopropylbenzene (Cumene)	ug/L	ND	1.00	0.105	10/08/21 22:28	
p-Isopropyltoluene	ug/L	ND	1.00	0.120	10/08/21 22:28	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92563645

METHOD BLANK: R3717396-3 Matrix: Water
Associated Lab Samples: 92563645001, 92563645002, 92563645003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
2-Butanone (MEK)	ug/L	ND	10.0	1.19	10/08/21 22:28	
Methylene Chloride	ug/L	ND	5.00	0.430	10/08/21 22:28	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	0.478	10/08/21 22:28	
Methyl-tert-butyl ether	ug/L	ND	1.00	0.101	10/08/21 22:28	
Naphthalene	ug/L	ND	5.00	1.00	10/08/21 22:28	
n-Propylbenzene	ug/L	ND	1.00	0.0993	10/08/21 22:28	
Styrene	ug/L	ND	1.00	0.118	10/08/21 22:28	
1,1,1,2-Tetrachloroethane	ug/L	ND	1.00	0.147	10/08/21 22:28	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.00	0.133	10/08/21 22:28	
Tetrachloroethene	ug/L	ND	1.00	0.300	10/08/21 22:28	
Toluene	ug/L	ND	1.00	0.278	10/08/21 22:28	
1,2,3-Trichlorobenzene	ug/L	ND	1.00	0.230	10/08/21 22:28	
1,2,4-Trichlorobenzene	ug/L	ND	1.00	0.481	10/08/21 22:28	
1,1,1-Trichloroethane	ug/L	ND	1.00	0.149	10/08/21 22:28	
1,1,2-Trichloroethane	ug/L	ND	1.00	0.158	10/08/21 22:28	
Trichloroethene	ug/L	ND	1.00	0.190	10/08/21 22:28	
Trichlorofluoromethane	ug/L	ND	5.00	0.160	10/08/21 22:28	
1,2,3-Trichloropropane	ug/L	ND	2.50	0.237	10/08/21 22:28	
1,2,4-Trimethylbenzene	ug/L	ND	1.00	0.322	10/08/21 22:28	
1,3,5-Trimethylbenzene	ug/L	ND	1.00	0.104	10/08/21 22:28	
Vinyl chloride	ug/L	ND	1.00	0.234	10/08/21 22:28	
o-Xylene	ug/L	ND	1.00	0.174	10/08/21 22:28	
m&p-Xylene	ug/L	ND	2.00	0.430	10/08/21 22:28	
Toluene-d8 (S)	%	104	80.0-120		10/08/21 22:28	
4-Bromofluorobenzene (S)	%	100	77.0-126		10/08/21 22:28	
1,2-Dichloroethane-d4 (S)	%	109	70.0-130		10/08/21 22:28	

LABORATORY CONTROL SAMPLE & LCSD: R3717396-1 R3717396-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acetone	ug/L	25.0	27.8	25.6	111	102	19.0-160	8.24	27	
Acrolein	ug/L	25.0	33.3	30.8	133	123	10.0-160	7.80	26	
Acrylonitrile	ug/L	25.0	28.2	27.1	113	108	55.0-149	3.98	20	
Benzene	ug/L	5.00	4.89	4.80	97.8	96.0	70.0-123	1.86	20	
Bromobenzene	ug/L	5.00	5.03	4.90	101	98.0	73.0-121	2.62	20	
Bromodichloromethane	ug/L	5.00	5.32	5.10	106	102	75.0-120	4.22	20	
Bromoform	ug/L	5.00	4.96	4.82	99.2	96.4	68.0-132	2.86	20	
Bromomethane	ug/L	5.00	3.82	3.75	76.4	75.0	10.0-160	1.85	25	
n-Butylbenzene	ug/L	5.00	4.72	4.59	94.4	91.8	73.0-125	2.79	20	
sec-Butylbenzene	ug/L	5.00	5.06	4.95	101	99.0	75.0-125	2.20	20	
tert-Butylbenzene	ug/L	5.00	4.86	4.75	97.2	95.0	76.0-124	2.29	20	
Carbon tetrachloride	ug/L	5.00	5.47	4.92	109	98.4	68.0-126	10.6	20	
Chlorobenzene	ug/L	5.00	4.80	4.77	96.0	95.4	80.0-121	0.627	20	
Dibromochloromethane	ug/L	5.00	5.13	5.14	103	103	77.0-125	0.195	20	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92563645

LABORATORY CONTROL SAMPLE & LCSD: R3717396-1 R3717396-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Chloroethane	ug/L	5.00	4.43	4.48	88.6	89.6	47.0-150	1.12	20	
Chloroform	ug/L	5.00	5.09	4.90	102	98.0	73.0-120	3.80	20	
Chloromethane	ug/L	5.00	4.30	3.95	86.0	79.0	41.0-142	8.48	20	
2-Chlorotoluene	ug/L	5.00	5.12	4.86	102	97.2	76.0-123	5.21	20	
4-Chlorotoluene	ug/L	5.00	5.11	4.89	102	97.8	75.0-122	4.40	20	
1,2-Dibromo-3-chloropropane	ug/L	5.00	4.39	4.39	87.8	87.8	58.0-134	0.00	20	
1,2-Dibromoethane (EDB)	ug/L	5.00	4.89	4.68	97.8	93.6	80.0-122	4.39	20	
Dibromomethane	ug/L	5.00	5.22	4.90	104	98.0	80.0-120	6.32	20	
1,2-Dichlorobenzene	ug/L	5.00	4.97	4.97	99.4	99.4	79.0-121	0.00	20	
1,3-Dichlorobenzene	ug/L	5.00	4.89	4.90	97.8	98.0	79.0-120	0.204	20	
1,4-Dichlorobenzene	ug/L	5.00	4.69	4.60	93.8	92.0	79.0-120	1.94	20	
Dichlorodifluoromethane	ug/L	5.00	4.90	4.65	98.0	93.0	51.0-149	5.24	20	
1,1-Dichloroethane	ug/L	5.00	5.18	4.86	104	97.2	70.0-126	6.37	20	
1,2-Dichloroethane	ug/L	5.00	5.16	5.04	103	101	70.0-128	2.35	20	
1,1-Dichloroethene	ug/L	5.00	5.31	5.10	106	102	71.0-124	4.03	20	
cis-1,2-Dichloroethene	ug/L	5.00	4.83	5.07	96.6	101	73.0-120	4.85	20	
trans-1,2-Dichloroethene	ug/L	5.00	5.21	4.90	104	98.0	73.0-120	6.13	20	
1,2-Dichloropropane	ug/L	5.00	4.96	4.87	99.2	97.4	77.0-125	1.83	20	
1,1-Dichloropropene	ug/L	5.00	5.27	4.98	105	99.6	74.0-126	5.66	20	
1,3-Dichloropropane	ug/L	5.00	5.05	5.10	101	102	80.0-120	0.985	20	
2,2-Dichloropropane	ug/L	5.00	5.98	5.65	120	113	58.0-130	5.67	20	
Diisopropyl ether	ug/L	5.00	5.09	5.00	102	100	58.0-138	1.78	20	
Ethylbenzene	ug/L	5.00	5.09	5.10	102	102	79.0-123	0.196	20	
Hexachloro-1,3-butadiene	ug/L	5.00	4.93	4.60	98.6	92.0	54.0-138	6.93	20	
Isopropylbenzene (Cumene)	ug/L	5.00	4.78	4.70	95.6	94.0	76.0-127	1.69	20	
p-Isopropyltoluene	ug/L	5.00	5.01	4.93	100	98.6	76.0-125	1.61	20	
2-Butanone (MEK)	ug/L	25.0	27.9	26.6	112	106	44.0-160	4.77	20	
Methylene Chloride	ug/L	5.00	5.51	5.33	110	107	67.0-120	3.32	20	
4-Methyl-2-pentanone (MIBK)	ug/L	25.0	27.2	26.5	109	106	68.0-142	2.61	20	
Methyl-tert-butyl ether	ug/L	5.00	5.25	4.96	105	99.2	68.0-125	5.68	20	
Naphthalene	ug/L	5.00	4.20	4.06	84.0	81.2	54.0-135	3.39	20	
n-Propylbenzene	ug/L	5.00	4.97	4.88	99.4	97.6	77.0-124	1.83	20	
Styrene	ug/L	5.00	4.86	4.66	97.2	93.2	73.0-130	4.20	20	
1,1,1,2-Tetrachloroethane	ug/L	5.00	4.78	4.74	95.6	94.8	75.0-125	0.840	20	
1,1,2,2-Tetrachloroethane	ug/L	5.00	5.55	5.61	111	112	65.0-130	1.08	20	
Tetrachloroethene	ug/L	5.00	5.04	5.07	101	101	72.0-132	0.593	20	
Toluene	ug/L	5.00	4.86	4.71	97.2	94.2	79.0-120	3.13	20	
1,2,3-Trichlorobenzene	ug/L	5.00	4.43	4.85	88.6	97.0	50.0-138	9.05	20	
1,2,4-Trichlorobenzene	ug/L	5.00	4.34	4.48	86.8	89.6	57.0-137	3.17	20	
1,1,1-Trichloroethane	ug/L	5.00	5.39	5.13	108	103	73.0-124	4.94	20	
1,1,2-Trichloroethane	ug/L	5.00	4.88	4.87	97.6	97.4	80.0-120	0.205	20	
Trichloroethene	ug/L	5.00	4.92	4.87	98.4	97.4	78.0-124	1.02	20	
Trichlorofluoromethane	ug/L	5.00	4.90	4.73	98.0	94.6	59.0-147	3.53	20	
1,2,3-Trichloropropane	ug/L	5.00	4.75	5.02	95.0	100	73.0-130	5.53	20	
1,2,4-Trimethylbenzene	ug/L	5.00	4.80	4.79	96.0	95.8	76.0-121	0.209	20	
1,3,5-Trimethylbenzene	ug/L	5.00	5.02	4.91	100	98.2	76.0-122	2.22	20	
Vinyl chloride	ug/L	5.00	4.49	4.30	89.8	86.0	67.0-131	4.32	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92563645

LABORATORY CONTROL SAMPLE & LCSD: R3717396-1 R3717396-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
o-Xylene	ug/L	5.00	4.92	4.68	98.4	93.6	80.0-122	5.00	20	
m&p-Xylene	ug/L	10.0	9.66	9.71	96.6	97.1	80.0-122	0.516	20	
Toluene-d8 (S)	%				99.5	102	80.0-120			
4-Bromofluorobenzene (S)	%				96.8	97.1	77.0-126			
1,2-Dichloroethane-d4 (S)	%				107	107	70.0-130			

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QUALIFIERS

Project: 2020-L1-2448
Pace Project No.: 92563645

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2020-L1-2448
Pace Project No.: 92563645

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92563645001	**DUP-1**	MADEPV	1755200	MADEP VPH	1755200
92563645002	**FB-1**	MADEPV	1755200	MADEP VPH	1755200
92563645001	**DUP-1**	EPA 3010A	649812	EPA 6010D	649827
92563645002	**FB-1**	EPA 3010A	649812	EPA 6010D	649827
92563645001	**DUP-1**	6200B-2011	1753792	SM 6200B	1753792
92563645002	**FB-1**	6200B-2011	1753792	SM 6200B	1753792
92563645003	**TRIP BLANK**	6200B-2011	1753792	SM 6200B	1753792

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

WO# : 92563645

92563645

Company: Apex Companies	Billing Information:
Address:	
Report To: Andrew Street	Email To: andrew.street@apexcos.com
Copy To:	Site Collection Info/Address:
Customer Project Name/Number: 2020_LI-2448	State: NC County/City: Huntersville Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET
Phone: Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Matt Teixeira	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: ASAP Immediately Packed on Ice: [ ] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

** Preservative Types: (1) nitric acid, (2) su
(6) methanol, (7) sodium bisulfate, (8) sodi
(C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: VOCs 62008	MADEP VPH	Lead							Lab Profile/Line:
DUP-1	DW	G	9-28-21	-				8	X	X	X							001
FB-1	OT	G	9-28-21	-				8	X	X	X							002
Trip Blank	OT	-	9-28-21	-				2	X									003

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	(Y)	N	NA
Custody Signatures Present	(Y)	N	NA
Collector Signature Present	(Y)	N	NA
Bottles Intact	(Y)	N	NA
Correct Bottles	(Y)	N	NA
Sufficient Volume	(Y)	N	NA
Samples Received on Ice	(Y)	N	NA
VOA - Headspace Acceptable	(Y)	N	NA
USDA Regulated Soils	Y	N	(NA)
Samples in Holding Time	(Y)	N	NA
Residual Chlorine Present	Y	N	(NA)
Cl Strips:			
Sample pH Acceptable	(Y)	N	NA
pH Strips:			
Sulfide Present	Y	N	(NA)
Lead Acetate Strips:			

LAB USE ONLY:
Lab Sample # / Comments:
92563645

Customer Remarks / Special Conditions / Possible Hazards:	Type of Ice Used: Wet Blue Dry None
	Packing Material Used:
	Radchem sample(s) screened (<500 cpm): Y N NA
	SHORT HOLDS PRESENT (<72 hours): Y N N/A
	Lab Tracking #: 2546695
	Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N (NA)
Therm ID#: 97064
Cooler 1 Temp Upon Receipt: 4.3 oC
Cooler 1 Therm Corr. Factor: 0 oC
Cooler 1 Corrected Temp: 4.3 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Matt Teix / Apex	9-28-21/1313	KS Pace HVL	9/29/21 1313
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: (Y) N (NA)
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: of:

Pace Analytical	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: October 28, 2020 Page 2 of 2
	Document No.: F-CAR-CS-033-Rev.07	Issuing Authority: Pace Carolinas Quality Office

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

Project **WO# : 92563645**

PM: AMB **Due Date: 10/05/21**

CLIENT: 92-APEX MOOR

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1						1 ✓										1													
2						1 ✓										1													
3																2													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 18, 2021

Andrew Street
Apex Companies - NC
5900 Northwoods Business Pkwy
Suite 5900-0
Charlotte, NC 28269

RE: Project: 2020-L1-2448
Pace Project No.: 92563647

Dear Andrew Street:

Enclosed are the analytical results for sample(s) received by the laboratory on September 28, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Asheville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angela M. Baioni

Angela Baioni
angela.baioni@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: J Culbreath, Colonial Pipeline Company
Naomi Fretz, APEX Companies, LLC
Robert Hughes, Colonial Pipeline
Cameron Lee, Montrose-EPS
Jamie Moran, APEX Companies, LLC
Jeff Morrison, Colonial Pipeline Company
Tom Naumann, APEX Companies - NC
Joe Nicolette, Montrose-EPS
Kaitlyn Nootens, Apex Companies
Christopher Schultz, Apex Companies
Matt Teixeira, Apex Companies, LLC
Michael Verdon, Colonial Pipeline Company
JM Wyatt, Colonial Pipeline Company

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 2020-L1-2448
Pace Project No.: 92563647

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

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SAMPLE SUMMARY

Project: 2020-L1-2448
Pace Project No.: 92563647

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92563647001	**13835_AC_RD_09282021**	Water	09/28/21 11:05	09/28/21 13:13

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SAMPLE ANALYTE COUNT

Project: 2020-L1-2448
Pace Project No.: 92563647

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92563647001	**13835_AC_RD_09282021**	MADEP VPH	BMB	6	PAN
		EPA 6010D	DS	1	PASI-A
		SM 6200B	BMB	66	PAN

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville

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ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92563647

Sample: 13835_AC_RD_09282021 **Lab ID: 92563647001** Collected: 09/28/21 11:05 Received: 09/28/21 13:13 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
MADEPV	Analytical Method: MADEP VPH Preparation Method: MADEPV Pace National - Mt. Juliet								
Aliphatic (C05-C08)	ND	ug/L	100	33.3	1	10/12/21 12:14	10/12/21 12:14		
Aliphatic (C09-C12)	ND	ug/L	100	33.3	1	10/12/21 12:14	10/12/21 12:14		
Aromatic (C09-C10),Unadjusted	ND	ug/L	100	33.3	1	10/12/21 12:14	10/12/21 12:14	TPHC9C10A	
Total VPH	ND	ug/L	100	33.3	1	10/12/21 12:14	10/12/21 12:14	VPH	
Surrogates									
2,5-Dibromotoluene (FID)	96.9	%	70.0-130		1	10/12/21 12:14	10/12/21 12:14	615-59-8FID	
2,5-Dibromotoluene (PID)	98.6	%	70.0-130		1	10/12/21 12:14	10/12/21 12:14	615-59-8PID	
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	**6.1**	ug/L	5.0	4.5	1	09/29/21 02:00	10/01/21 23:17	7439-92-1	
VOA (GC/MS) 6200B-2011	Analytical Method: SM 6200B Preparation Method: 6200B-2011 Pace National - Mt. Juliet								
Acetone	ND	ug/L	50.0	11.3	1	10/09/21 03:05	10/09/21 03:05	67-64-1	
Acrolein	ND	ug/L	50.0	2.54	1	10/09/21 03:05	10/09/21 03:05	107-02-8	
Acrylonitrile	ND	ug/L	10.0	0.671	1	10/09/21 03:05	10/09/21 03:05	107-13-1	
Benzene	ND	ug/L	1.00	0.0941	1	10/09/21 03:05	10/09/21 03:05	71-43-2	
Bromobenzene	ND	ug/L	1.00	0.118	1	10/09/21 03:05	10/09/21 03:05	108-86-1	
Bromodichloromethane	ND	ug/L	1.00	0.136	1	10/09/21 03:05	10/09/21 03:05	75-27-4	
Bromoform	ND	ug/L	1.00	0.129	1	10/09/21 03:05	10/09/21 03:05	75-25-2	
Bromomethane	ND	ug/L	5.00	0.605	1	10/09/21 03:05	10/09/21 03:05	74-83-9	
n-Butylbenzene	ND	ug/L	1.00	0.157	1	10/09/21 03:05	10/09/21 03:05	104-51-8	
sec-Butylbenzene	ND	ug/L	1.00	0.125	1	10/09/21 03:05	10/09/21 03:05	135-98-8	
tert-Butylbenzene	ND	ug/L	1.00	0.127	1	10/09/21 03:05	10/09/21 03:05	98-06-6	
Carbon tetrachloride	ND	ug/L	1.00	0.128	1	10/09/21 03:05	10/09/21 03:05	56-23-5	
Chlorobenzene	ND	ug/L	1.00	0.116	1	10/09/21 03:05	10/09/21 03:05	108-90-7	
Dibromochloromethane	ND	ug/L	1.00	0.140	1	10/09/21 03:05	10/09/21 03:05	124-48-1	
Chloroethane	ND	ug/L	5.00	0.192	1	10/09/21 03:05	10/09/21 03:05	75-00-3	
Chloroform	**0.774J**	ug/L	5.00	0.111	1	10/09/21 03:05	10/09/21 03:05	67-66-3	J
Chloromethane	ND	ug/L	2.50	0.960	1	10/09/21 03:05	10/09/21 03:05	74-87-3	
2-Chlorotoluene	ND	ug/L	1.00	0.106	1	10/09/21 03:05	10/09/21 03:05	95-49-8	
4-Chlorotoluene	ND	ug/L	1.00	0.114	1	10/09/21 03:05	10/09/21 03:05	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.00	0.276	1	10/09/21 03:05	10/09/21 03:05	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.00	0.126	1	10/09/21 03:05	10/09/21 03:05	106-93-4	
Dibromomethane	ND	ug/L	1.00	0.122	1	10/09/21 03:05	10/09/21 03:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.00	0.107	1	10/09/21 03:05	10/09/21 03:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.00	0.110	1	10/09/21 03:05	10/09/21 03:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.00	0.120	1	10/09/21 03:05	10/09/21 03:05	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.00	0.374	1	10/09/21 03:05	10/09/21 03:05	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.00	0.100	1	10/09/21 03:05	10/09/21 03:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.00	0.0819	1	10/09/21 03:05	10/09/21 03:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.00	0.188	1	10/09/21 03:05	10/09/21 03:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.00	0.126	1	10/09/21 03:05	10/09/21 03:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.00	0.149	1	10/09/21 03:05	10/09/21 03:05	156-60-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92563647

Sample: 13835_AC_RD_09282021 **Lab ID: 92563647001** Collected: 09/28/21 11:05 Received: 09/28/21 13:13 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC/MS) 6200B-2011	Analytical Method: SM 6200B Preparation Method: 6200B-2011 Pace National - Mt. Juliet								
1,2-Dichloropropane	ND	ug/L	1.00	0.149	1	10/09/21 03:05	10/09/21 03:05	78-87-5	
1,1-Dichloropropene	ND	ug/L	1.00	0.142	1	10/09/21 03:05	10/09/21 03:05	563-58-6	
1,3-Dichloropropane	ND	ug/L	1.00	0.110	1	10/09/21 03:05	10/09/21 03:05	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.00	0.161	1	10/09/21 03:05	10/09/21 03:05	594-20-7	
Diisopropyl ether	ND	ug/L	1.00	0.105	1	10/09/21 03:05	10/09/21 03:05	108-20-3	
Ethylbenzene	ND	ug/L	1.00	0.137	1	10/09/21 03:05	10/09/21 03:05	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.00	0.337	1	10/09/21 03:05	10/09/21 03:05	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.00	0.105	1	10/09/21 03:05	10/09/21 03:05	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.00	0.120	1	10/09/21 03:05	10/09/21 03:05	99-87-6	
2-Butanone (MEK)	ND	ug/L	10.0	1.19	1	10/09/21 03:05	10/09/21 03:05	78-93-3	
Methylene Chloride	ND	ug/L	5.00	0.430	1	10/09/21 03:05	10/09/21 03:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.478	1	10/09/21 03:05	10/09/21 03:05	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.00	0.101	1	10/09/21 03:05	10/09/21 03:05	1634-04-4	
Naphthalene	ND	ug/L	5.00	1.00	1	10/09/21 03:05	10/09/21 03:05	91-20-3	
n-Propylbenzene	ND	ug/L	1.00	0.0993	1	10/09/21 03:05	10/09/21 03:05	103-65-1	
Styrene	ND	ug/L	1.00	0.118	1	10/09/21 03:05	10/09/21 03:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.00	0.147	1	10/09/21 03:05	10/09/21 03:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.00	0.133	1	10/09/21 03:05	10/09/21 03:05	79-34-5	
Tetrachloroethene	ND	ug/L	1.00	0.300	1	10/09/21 03:05	10/09/21 03:05	127-18-4	
Toluene	ND	ug/L	1.00	0.278	1	10/09/21 03:05	10/09/21 03:05	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.00	0.230	1	10/09/21 03:05	10/09/21 03:05	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.00	0.481	1	10/09/21 03:05	10/09/21 03:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.00	0.149	1	10/09/21 03:05	10/09/21 03:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.00	0.158	1	10/09/21 03:05	10/09/21 03:05	79-00-5	
Trichloroethene	ND	ug/L	1.00	0.190	1	10/09/21 03:05	10/09/21 03:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.00	0.160	1	10/09/21 03:05	10/09/21 03:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.50	0.237	1	10/09/21 03:05	10/09/21 03:05	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.00	0.322	1	10/09/21 03:05	10/09/21 03:05	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.00	0.104	1	10/09/21 03:05	10/09/21 03:05	108-67-8	
Vinyl chloride	ND	ug/L	1.00	0.234	1	10/09/21 03:05	10/09/21 03:05	75-01-4	
o-Xylene	ND	ug/L	1.00	0.174	1	10/09/21 03:05	10/09/21 03:05	95-47-6	
m&p-Xylene	ND	ug/L	2.00	0.430	1	10/09/21 03:05	10/09/21 03:05	179601-23-1	
Surrogates									
Toluene-d8 (S)	104	%	80.0-120		1	10/09/21 03:05	10/09/21 03:05	2037-26-5	
4-Bromofluorobenzene (S)	97.2	%	77.0-126		1	10/09/21 03:05	10/09/21 03:05	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70.0-130		1	10/09/21 03:05	10/09/21 03:05	17060-07-0	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92563647

QC Batch: 1755200
QC Batch Method: KS LRH/MADEPV/MTDEQ VPH/VPH
Analysis Method: MADEP VPH
Analysis Description: MADEPV
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92563647001

METHOD BLANK: R3716812-3 Matrix: Water
Associated Lab Samples: 92563647001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (C05-C08)	ug/L	ND	100	33.3	10/12/21 07:41	
Aliphatic (C09-C12)	ug/L	ND	100	33.3	10/12/21 07:41	
Aromatic (C09-C10),Unadjusted	ug/L	ND	100	33.3	10/12/21 07:41	
Total VPH	ug/L	ND	100	33.3	10/12/21 07:41	
2,5-Dibromotoluene (FID)	%	84.7	70.0-130		10/12/21 07:41	
2,5-Dibromotoluene (PID)	%	83.9	70.0-130		10/12/21 07:41	

LABORATORY CONTROL SAMPLE & LCSD: R3716812-1 R3716812-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	ug/L	1200	1060	1080	88.3	90.0	70.0-130	1.87	25	
Aliphatic (C09-C12)	ug/L	1400	1370	1410	97.9	101	70.0-130	2.88	25	
Aromatic (C09-C10),Unadjusted	ug/L	200	236	244	118	122	70.0-130	3.33	25	
Total VPH	ug/L	2800	2670	2730	95.4	97.5	70.0-130	2.22	25	
2,5-Dibromotoluene (FID)	%				97.8	105	70.0-130			
2,5-Dibromotoluene (PID)	%				99.5	107	70.0-130			

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92563647

QC Batch: 649812
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92563647001

METHOD BLANK: 3408194 Matrix: Water
Associated Lab Samples: 92563647001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	4.5	10/02/21 04:28	

LABORATORY CONTROL SAMPLE: 3408195

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	495	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3408196 3408197

Parameter	Units	92563460001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	506	493	101	98	75-125	3	20	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92563647

QC Batch: 1753792
QC Batch Method: 8260B
Analysis Method: SM 6200B
Analysis Description: VOA (GC/MS) 6200B-2011
Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 92563647001

METHOD BLANK: R3717396-3 Matrix: Water
Associated Lab Samples: 92563647001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acetone	ug/L	ND	50.0	11.3	10/08/21 22:28	
Acrolein	ug/L	ND	50.0	2.54	10/08/21 22:28	
Acrylonitrile	ug/L	ND	10.0	0.671	10/08/21 22:28	
Benzene	ug/L	ND	1.00	0.0941	10/08/21 22:28	
Bromobenzene	ug/L	ND	1.00	0.118	10/08/21 22:28	
Bromodichloromethane	ug/L	ND	1.00	0.136	10/08/21 22:28	
Bromoform	ug/L	ND	1.00	0.129	10/08/21 22:28	
Bromomethane	ug/L	ND	5.00	0.605	10/08/21 22:28	
n-Butylbenzene	ug/L	ND	1.00	0.157	10/08/21 22:28	
sec-Butylbenzene	ug/L	ND	1.00	0.125	10/08/21 22:28	
tert-Butylbenzene	ug/L	ND	1.00	0.127	10/08/21 22:28	
Carbon tetrachloride	ug/L	ND	1.00	0.128	10/08/21 22:28	
Chlorobenzene	ug/L	ND	1.00	0.116	10/08/21 22:28	
Dibromochloromethane	ug/L	ND	1.00	0.140	10/08/21 22:28	
Chloroethane	ug/L	ND	5.00	0.192	10/08/21 22:28	
Chloroform	ug/L	ND	5.00	0.111	10/08/21 22:28	
Chloromethane	ug/L	ND	2.50	0.960	10/08/21 22:28	
2-Chlorotoluene	ug/L	ND	1.00	0.106	10/08/21 22:28	
4-Chlorotoluene	ug/L	ND	1.00	0.114	10/08/21 22:28	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.00	0.276	10/08/21 22:28	
1,2-Dibromoethane (EDB)	ug/L	ND	1.00	0.126	10/08/21 22:28	
Dibromomethane	ug/L	ND	1.00	0.122	10/08/21 22:28	
1,2-Dichlorobenzene	ug/L	ND	1.00	0.107	10/08/21 22:28	
1,3-Dichlorobenzene	ug/L	ND	1.00	0.110	10/08/21 22:28	
1,4-Dichlorobenzene	ug/L	ND	1.00	0.120	10/08/21 22:28	
Dichlorodifluoromethane	ug/L	ND	5.00	0.374	10/08/21 22:28	
1,1-Dichloroethane	ug/L	ND	1.00	0.100	10/08/21 22:28	
1,2-Dichloroethane	ug/L	ND	1.00	0.0819	10/08/21 22:28	
1,1-Dichloroethene	ug/L	ND	1.00	0.188	10/08/21 22:28	
cis-1,2-Dichloroethene	ug/L	ND	1.00	0.126	10/08/21 22:28	
trans-1,2-Dichloroethene	ug/L	ND	1.00	0.149	10/08/21 22:28	
1,2-Dichloropropane	ug/L	ND	1.00	0.149	10/08/21 22:28	
1,1-Dichloropropene	ug/L	ND	1.00	0.142	10/08/21 22:28	
1,3-Dichloropropane	ug/L	ND	1.00	0.110	10/08/21 22:28	
2,2-Dichloropropane	ug/L	ND	1.00	0.161	10/08/21 22:28	
Diisopropyl ether	ug/L	ND	1.00	0.105	10/08/21 22:28	
Ethylbenzene	ug/L	ND	1.00	0.137	10/08/21 22:28	
Hexachloro-1,3-butadiene	ug/L	ND	1.00	0.337	10/08/21 22:28	
Isopropylbenzene (Cumene)	ug/L	ND	1.00	0.105	10/08/21 22:28	
p-Isopropyltoluene	ug/L	ND	1.00	0.120	10/08/21 22:28	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92563647

METHOD BLANK: R3717396-3 Matrix: Water
Associated Lab Samples: 92563647001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
2-Butanone (MEK)	ug/L	ND	10.0	1.19	10/08/21 22:28	
Methylene Chloride	ug/L	ND	5.00	0.430	10/08/21 22:28	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	0.478	10/08/21 22:28	
Methyl-tert-butyl ether	ug/L	ND	1.00	0.101	10/08/21 22:28	
Naphthalene	ug/L	ND	5.00	1.00	10/08/21 22:28	
n-Propylbenzene	ug/L	ND	1.00	0.0993	10/08/21 22:28	
Styrene	ug/L	ND	1.00	0.118	10/08/21 22:28	
1,1,1,2-Tetrachloroethane	ug/L	ND	1.00	0.147	10/08/21 22:28	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.00	0.133	10/08/21 22:28	
Tetrachloroethene	ug/L	ND	1.00	0.300	10/08/21 22:28	
Toluene	ug/L	ND	1.00	0.278	10/08/21 22:28	
1,2,3-Trichlorobenzene	ug/L	ND	1.00	0.230	10/08/21 22:28	
1,2,4-Trichlorobenzene	ug/L	ND	1.00	0.481	10/08/21 22:28	
1,1,1-Trichloroethane	ug/L	ND	1.00	0.149	10/08/21 22:28	
1,1,2-Trichloroethane	ug/L	ND	1.00	0.158	10/08/21 22:28	
Trichloroethene	ug/L	ND	1.00	0.190	10/08/21 22:28	
Trichlorofluoromethane	ug/L	ND	5.00	0.160	10/08/21 22:28	
1,2,3-Trichloropropane	ug/L	ND	2.50	0.237	10/08/21 22:28	
1,2,4-Trimethylbenzene	ug/L	ND	1.00	0.322	10/08/21 22:28	
1,3,5-Trimethylbenzene	ug/L	ND	1.00	0.104	10/08/21 22:28	
Vinyl chloride	ug/L	ND	1.00	0.234	10/08/21 22:28	
o-Xylene	ug/L	ND	1.00	0.174	10/08/21 22:28	
m&p-Xylene	ug/L	ND	2.00	0.430	10/08/21 22:28	
Toluene-d8 (S)	%	104	80.0-120		10/08/21 22:28	
4-Bromofluorobenzene (S)	%	100	77.0-126		10/08/21 22:28	
1,2-Dichloroethane-d4 (S)	%	109	70.0-130		10/08/21 22:28	

LABORATORY CONTROL SAMPLE & LCSD: R3717396-1 R3717396-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acetone	ug/L	25.0	27.8	25.6	111	102	19.0-160	8.24	27	
Acrolein	ug/L	25.0	33.3	30.8	133	123	10.0-160	7.80	26	
Acrylonitrile	ug/L	25.0	28.2	27.1	113	108	55.0-149	3.98	20	
Benzene	ug/L	5.00	4.89	4.80	97.8	96.0	70.0-123	1.86	20	
Bromobenzene	ug/L	5.00	5.03	4.90	101	98.0	73.0-121	2.62	20	
Bromodichloromethane	ug/L	5.00	5.32	5.10	106	102	75.0-120	4.22	20	
Bromoform	ug/L	5.00	4.96	4.82	99.2	96.4	68.0-132	2.86	20	
Bromomethane	ug/L	5.00	3.82	3.75	76.4	75.0	10.0-160	1.85	25	
n-Butylbenzene	ug/L	5.00	4.72	4.59	94.4	91.8	73.0-125	2.79	20	
sec-Butylbenzene	ug/L	5.00	5.06	4.95	101	99.0	75.0-125	2.20	20	
tert-Butylbenzene	ug/L	5.00	4.86	4.75	97.2	95.0	76.0-124	2.29	20	
Carbon tetrachloride	ug/L	5.00	5.47	4.92	109	98.4	68.0-126	10.6	20	
Chlorobenzene	ug/L	5.00	4.80	4.77	96.0	95.4	80.0-121	0.627	20	
Dibromochloromethane	ug/L	5.00	5.13	5.14	103	103	77.0-125	0.195	20	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92563647

LABORATORY CONTROL SAMPLE & LCSD: R3717396-1 R3717396-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Chloroethane	ug/L	5.00	4.43	4.48	88.6	89.6	47.0-150	1.12	20	
Chloroform	ug/L	5.00	5.09	4.90	102	98.0	73.0-120	3.80	20	
Chloromethane	ug/L	5.00	4.30	3.95	86.0	79.0	41.0-142	8.48	20	
2-Chlorotoluene	ug/L	5.00	5.12	4.86	102	97.2	76.0-123	5.21	20	
4-Chlorotoluene	ug/L	5.00	5.11	4.89	102	97.8	75.0-122	4.40	20	
1,2-Dibromo-3-chloropropane	ug/L	5.00	4.39	4.39	87.8	87.8	58.0-134	0.00	20	
1,2-Dibromoethane (EDB)	ug/L	5.00	4.89	4.68	97.8	93.6	80.0-122	4.39	20	
Dibromomethane	ug/L	5.00	5.22	4.90	104	98.0	80.0-120	6.32	20	
1,2-Dichlorobenzene	ug/L	5.00	4.97	4.97	99.4	99.4	79.0-121	0.00	20	
1,3-Dichlorobenzene	ug/L	5.00	4.89	4.90	97.8	98.0	79.0-120	0.204	20	
1,4-Dichlorobenzene	ug/L	5.00	4.69	4.60	93.8	92.0	79.0-120	1.94	20	
Dichlorodifluoromethane	ug/L	5.00	4.90	4.65	98.0	93.0	51.0-149	5.24	20	
1,1-Dichloroethane	ug/L	5.00	5.18	4.86	104	97.2	70.0-126	6.37	20	
1,2-Dichloroethane	ug/L	5.00	5.16	5.04	103	101	70.0-128	2.35	20	
1,1-Dichloroethene	ug/L	5.00	5.31	5.10	106	102	71.0-124	4.03	20	
cis-1,2-Dichloroethene	ug/L	5.00	4.83	5.07	96.6	101	73.0-120	4.85	20	
trans-1,2-Dichloroethene	ug/L	5.00	5.21	4.90	104	98.0	73.0-120	6.13	20	
1,2-Dichloropropane	ug/L	5.00	4.96	4.87	99.2	97.4	77.0-125	1.83	20	
1,1-Dichloropropene	ug/L	5.00	5.27	4.98	105	99.6	74.0-126	5.66	20	
1,3-Dichloropropane	ug/L	5.00	5.05	5.10	101	102	80.0-120	0.985	20	
2,2-Dichloropropane	ug/L	5.00	5.98	5.65	120	113	58.0-130	5.67	20	
Diisopropyl ether	ug/L	5.00	5.09	5.00	102	100	58.0-138	1.78	20	
Ethylbenzene	ug/L	5.00	5.09	5.10	102	102	79.0-123	0.196	20	
Hexachloro-1,3-butadiene	ug/L	5.00	4.93	4.60	98.6	92.0	54.0-138	6.93	20	
Isopropylbenzene (Cumene)	ug/L	5.00	4.78	4.70	95.6	94.0	76.0-127	1.69	20	
p-Isopropyltoluene	ug/L	5.00	5.01	4.93	100	98.6	76.0-125	1.61	20	
2-Butanone (MEK)	ug/L	25.0	27.9	26.6	112	106	44.0-160	4.77	20	
Methylene Chloride	ug/L	5.00	5.51	5.33	110	107	67.0-120	3.32	20	
4-Methyl-2-pentanone (MIBK)	ug/L	25.0	27.2	26.5	109	106	68.0-142	2.61	20	
Methyl-tert-butyl ether	ug/L	5.00	5.25	4.96	105	99.2	68.0-125	5.68	20	
Naphthalene	ug/L	5.00	4.20	4.06	84.0	81.2	54.0-135	3.39	20	
n-Propylbenzene	ug/L	5.00	4.97	4.88	99.4	97.6	77.0-124	1.83	20	
Styrene	ug/L	5.00	4.86	4.66	97.2	93.2	73.0-130	4.20	20	
1,1,1,2-Tetrachloroethane	ug/L	5.00	4.78	4.74	95.6	94.8	75.0-125	0.840	20	
1,1,2,2-Tetrachloroethane	ug/L	5.00	5.55	5.61	111	112	65.0-130	1.08	20	
Tetrachloroethene	ug/L	5.00	5.04	5.07	101	101	72.0-132	0.593	20	
Toluene	ug/L	5.00	4.86	4.71	97.2	94.2	79.0-120	3.13	20	
1,2,3-Trichlorobenzene	ug/L	5.00	4.43	4.85	88.6	97.0	50.0-138	9.05	20	
1,2,4-Trichlorobenzene	ug/L	5.00	4.34	4.48	86.8	89.6	57.0-137	3.17	20	
1,1,1-Trichloroethane	ug/L	5.00	5.39	5.13	108	103	73.0-124	4.94	20	
1,1,2-Trichloroethane	ug/L	5.00	4.88	4.87	97.6	97.4	80.0-120	0.205	20	
Trichloroethene	ug/L	5.00	4.92	4.87	98.4	97.4	78.0-124	1.02	20	
Trichlorofluoromethane	ug/L	5.00	4.90	4.73	98.0	94.6	59.0-147	3.53	20	
1,2,3-Trichloropropane	ug/L	5.00	4.75	5.02	95.0	100	73.0-130	5.53	20	
1,2,4-Trimethylbenzene	ug/L	5.00	4.80	4.79	96.0	95.8	76.0-121	0.209	20	
1,3,5-Trimethylbenzene	ug/L	5.00	5.02	4.91	100	98.2	76.0-122	2.22	20	
Vinyl chloride	ug/L	5.00	4.49	4.30	89.8	86.0	67.0-131	4.32	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92563647

LABORATORY CONTROL SAMPLE & LCSD: R3717396-1 R3717396-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
o-Xylene	ug/L	5.00	4.92	4.68	98.4	93.6	80.0-122	5.00	20	
m&p-Xylene	ug/L	10.0	9.66	9.71	96.6	97.1	80.0-122	0.516	20	
Toluene-d8 (S)	%				99.5	102	80.0-120			
4-Bromofluorobenzene (S)	%				96.8	97.1	77.0-126			
1,2-Dichloroethane-d4 (S)	%				107	107	70.0-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: 2020-L1-2448
Pace Project No.: 92563647

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2020-L1-2448
Pace Project No.: 92563647

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92563647001	**13835_AC_RD_09282021**	MADEPV	1755200	MADEP VPH	1755200
92563647001	**13835_AC_RD_09282021**	EPA 3010A	649812	EPA 6010D	649827
92563647001	**13835_AC_RD_09282021**	6200B-2011	1753792	SM 6200B	1753792

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/ M

WO# : 92563647

92563647

ALL SHADED A

Company: Apex Companies	Billing Information:
Address:	
Report To: Andrew Street	Email To: andrew.street@apexcos.com
Copy To:	Site Collection Info/Address: 13835 Asbury Chapel Rd.
Customer Project Name/Number: 2020-LI-2448	State: NC County/City: Huntersville Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET
Phone: Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Matt Teixeira	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: ASAP Immediately Packed on Ice: [ ] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

Container Preservative Type **

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: VOCs 6200B	MADEP VPH	Lead	Lab Profile/Line: Lab Sample # / Comments
13835_AC_RD	DW	G	9-28-21	11:05				8	X	X	X	92563647 OU1

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips:			
Sample pH Acceptable	Y	N	NA
pH Strips: 10D0411			
Sulfide Present	Y	N	NA
Lead Acetate Strips:			

LAB USE ONLY:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: BB

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2546698

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#: 92064

Cooler 1 Temp Upon Receipt: 4.3 oC

Cooler 1 Therm Corr. Factor: 0 oC

Cooler 1 Corrected Temp: 4.3 oC

Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Matt Tex / Apex	9-28-21/1313	KS Pace HVL	9/28/21 1313
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY

Table #:

Acctnum:

Template:

Prelogin:

PM:

PB:

Trip Blank Received: Y N NA

HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: of:

***Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.**

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

****Bottom half of box is to list number of bottles**

Proje

WO# : 92563647

PM: AMB Due Date: 10/05/21

CLIENT: 92-APEX MOOR

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AGUU-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1						✓										✓													
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 18, 2021

Andrew Street
Apex Companies - NC
5900 Northwoods Business Pkwy
Suite 5900-0
Charlotte, NC 28269

RE: Project: 2020-L1-2448
Pace Project No.: 92563649

Dear Andrew Street:

Enclosed are the analytical results for sample(s) received by the laboratory on September 28, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Asheville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angela M. Baioni

Angela Baioni
angela.baioni@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: J Culbreath, Colonial Pipeline Company
Naomi Fretz, APEX Companies, LLC
Robert Hughes, Colonial Pipeline
Cameron Lee, Montrose-EPS
Jamie Moran, APEX Companies, LLC
Jeff Morrison, Colonial Pipeline Company
Tom Naumann, APEX Companies - NC
Joe Nicolette, Montrose-EPS
Kaitlyn Nootens, Apex Companies
Christopher Schultz, Apex Companies
Matt Teixeira, Apex Companies, LLC
Michael Verdon, Colonial Pipeline Company
JM Wyatt, Colonial Pipeline Company

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 2020-L1-2448
Pace Project No.: 92563649

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

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Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: 2020-L1-2448
Pace Project No.: 92563649

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92563649001	**13800_HC_RD_09282021**	Water	09/28/21 09:50	09/28/21 13:13

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SAMPLE ANALYTE COUNT

Project: 2020-L1-2448
Pace Project No.: 92563649

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92563649001	**13800_HC_RD_09282021**	MADEP VPH	BMB	6	PAN
		EPA 6010D	DS	1	PASI-A
		SM 6200B	BMB	66	PAN

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville

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ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92563649

Sample: 13800_HC_RD_09282021 **Lab ID: 92563649001** Collected: 09/28/21 09:50 Received: 09/28/21 13:13 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
MADEPV	Analytical Method: MADEP VPH Preparation Method: MADEPV Pace National - Mt. Juliet								
Aliphatic (C05-C08)	ND	ug/L	100	33.3	1	10/12/21 12:47	10/12/21 12:47		
Aliphatic (C09-C12)	ND	ug/L	100	33.3	1	10/12/21 12:47	10/12/21 12:47		
Aromatic (C09-C10),Unadjusted	ND	ug/L	100	33.3	1	10/12/21 12:47	10/12/21 12:47	TPHC9C10A	
Total VPH	ND	ug/L	100	33.3	1	10/12/21 12:47	10/12/21 12:47	VPH	
Surrogates									
2,5-Dibromotoluene (FID)	105	%	70.0-130		1	10/12/21 12:47	10/12/21 12:47	615-59-8FID	
2,5-Dibromotoluene (PID)	107	%	70.0-130		1	10/12/21 12:47	10/12/21 12:47	615-59-8PID	
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/29/21 02:00	10/01/21 23:27	7439-92-1	
VOA (GC/MS) 6200B-2011	Analytical Method: SM 6200B Preparation Method: 6200B-2011 Pace National - Mt. Juliet								
Acetone	ND	ug/L	50.0	11.3	1	10/09/21 03:26	10/09/21 03:26	67-64-1	
Acrolein	ND	ug/L	50.0	2.54	1	10/09/21 03:26	10/09/21 03:26	107-02-8	
Acrylonitrile	ND	ug/L	10.0	0.671	1	10/09/21 03:26	10/09/21 03:26	107-13-1	
Benzene	ND	ug/L	1.00	0.0941	1	10/09/21 03:26	10/09/21 03:26	71-43-2	
Bromobenzene	ND	ug/L	1.00	0.118	1	10/09/21 03:26	10/09/21 03:26	108-86-1	
Bromodichloromethane	ND	ug/L	1.00	0.136	1	10/09/21 03:26	10/09/21 03:26	75-27-4	
Bromoform	ND	ug/L	1.00	0.129	1	10/09/21 03:26	10/09/21 03:26	75-25-2	
Bromomethane	ND	ug/L	5.00	0.605	1	10/09/21 03:26	10/09/21 03:26	74-83-9	
n-Butylbenzene	ND	ug/L	1.00	0.157	1	10/09/21 03:26	10/09/21 03:26	104-51-8	
sec-Butylbenzene	ND	ug/L	1.00	0.125	1	10/09/21 03:26	10/09/21 03:26	135-98-8	
tert-Butylbenzene	ND	ug/L	1.00	0.127	1	10/09/21 03:26	10/09/21 03:26	98-06-6	
Carbon tetrachloride	ND	ug/L	1.00	0.128	1	10/09/21 03:26	10/09/21 03:26	56-23-5	
Chlorobenzene	ND	ug/L	1.00	0.116	1	10/09/21 03:26	10/09/21 03:26	108-90-7	
Dibromochloromethane	ND	ug/L	1.00	0.140	1	10/09/21 03:26	10/09/21 03:26	124-48-1	
Chloroethane	ND	ug/L	5.00	0.192	1	10/09/21 03:26	10/09/21 03:26	75-00-3	
Chloroform	ND	ug/L	5.00	0.111	1	10/09/21 03:26	10/09/21 03:26	67-66-3	
Chloromethane	ND	ug/L	2.50	0.960	1	10/09/21 03:26	10/09/21 03:26	74-87-3	
2-Chlorotoluene	ND	ug/L	1.00	0.106	1	10/09/21 03:26	10/09/21 03:26	95-49-8	
4-Chlorotoluene	ND	ug/L	1.00	0.114	1	10/09/21 03:26	10/09/21 03:26	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.00	0.276	1	10/09/21 03:26	10/09/21 03:26	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.00	0.126	1	10/09/21 03:26	10/09/21 03:26	106-93-4	
Dibromomethane	ND	ug/L	1.00	0.122	1	10/09/21 03:26	10/09/21 03:26	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.00	0.107	1	10/09/21 03:26	10/09/21 03:26	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.00	0.110	1	10/09/21 03:26	10/09/21 03:26	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.00	0.120	1	10/09/21 03:26	10/09/21 03:26	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.00	0.374	1	10/09/21 03:26	10/09/21 03:26	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.00	0.100	1	10/09/21 03:26	10/09/21 03:26	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.00	0.0819	1	10/09/21 03:26	10/09/21 03:26	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.00	0.188	1	10/09/21 03:26	10/09/21 03:26	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.00	0.126	1	10/09/21 03:26	10/09/21 03:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.00	0.149	1	10/09/21 03:26	10/09/21 03:26	156-60-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92563649

Sample: 13800_HC_RD_09282021 **Lab ID: 92563649001** Collected: 09/28/21 09:50 Received: 09/28/21 13:13 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC/MS) 6200B-2011	Analytical Method: SM 6200B Preparation Method: 6200B-2011 Pace National - Mt. Juliet								
1,2-Dichloropropane	ND	ug/L	1.00	0.149	1	10/09/21 03:26	10/09/21 03:26	78-87-5	
1,1-Dichloropropene	ND	ug/L	1.00	0.142	1	10/09/21 03:26	10/09/21 03:26	563-58-6	
1,3-Dichloropropane	ND	ug/L	1.00	0.110	1	10/09/21 03:26	10/09/21 03:26	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.00	0.161	1	10/09/21 03:26	10/09/21 03:26	594-20-7	
Diisopropyl ether	ND	ug/L	1.00	0.105	1	10/09/21 03:26	10/09/21 03:26	108-20-3	
Ethylbenzene	ND	ug/L	1.00	0.137	1	10/09/21 03:26	10/09/21 03:26	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.00	0.337	1	10/09/21 03:26	10/09/21 03:26	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.00	0.105	1	10/09/21 03:26	10/09/21 03:26	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.00	0.120	1	10/09/21 03:26	10/09/21 03:26	99-87-6	
2-Butanone (MEK)	ND	ug/L	10.0	1.19	1	10/09/21 03:26	10/09/21 03:26	78-93-3	
Methylene Chloride	ND	ug/L	5.00	0.430	1	10/09/21 03:26	10/09/21 03:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.478	1	10/09/21 03:26	10/09/21 03:26	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.00	0.101	1	10/09/21 03:26	10/09/21 03:26	1634-04-4	
Naphthalene	ND	ug/L	5.00	1.00	1	10/09/21 03:26	10/09/21 03:26	91-20-3	
n-Propylbenzene	ND	ug/L	1.00	0.0993	1	10/09/21 03:26	10/09/21 03:26	103-65-1	
Styrene	ND	ug/L	1.00	0.118	1	10/09/21 03:26	10/09/21 03:26	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.00	0.147	1	10/09/21 03:26	10/09/21 03:26	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.00	0.133	1	10/09/21 03:26	10/09/21 03:26	79-34-5	
Tetrachloroethene	ND	ug/L	1.00	0.300	1	10/09/21 03:26	10/09/21 03:26	127-18-4	
Toluene	ND	ug/L	1.00	0.278	1	10/09/21 03:26	10/09/21 03:26	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.00	0.230	1	10/09/21 03:26	10/09/21 03:26	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.00	0.481	1	10/09/21 03:26	10/09/21 03:26	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.00	0.149	1	10/09/21 03:26	10/09/21 03:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.00	0.158	1	10/09/21 03:26	10/09/21 03:26	79-00-5	
Trichloroethene	ND	ug/L	1.00	0.190	1	10/09/21 03:26	10/09/21 03:26	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.00	0.160	1	10/09/21 03:26	10/09/21 03:26	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.50	0.237	1	10/09/21 03:26	10/09/21 03:26	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.00	0.322	1	10/09/21 03:26	10/09/21 03:26	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.00	0.104	1	10/09/21 03:26	10/09/21 03:26	108-67-8	
Vinyl chloride	ND	ug/L	1.00	0.234	1	10/09/21 03:26	10/09/21 03:26	75-01-4	
o-Xylene	ND	ug/L	1.00	0.174	1	10/09/21 03:26	10/09/21 03:26	95-47-6	
m&p-Xylene	ND	ug/L	2.00	0.430	1	10/09/21 03:26	10/09/21 03:26	179601-23-1	
Surrogates									
Toluene-d8 (S)	98.9	%	80.0-120		1	10/09/21 03:26	10/09/21 03:26	2037-26-5	
4-Bromofluorobenzene (S)	97.7	%	77.0-126		1	10/09/21 03:26	10/09/21 03:26	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70.0-130		1	10/09/21 03:26	10/09/21 03:26	17060-07-0	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92563649

QC Batch: 1755200
QC Batch Method: KS LRH/MADEPV/MTDEQ VPH/VPH
Analysis Method: MADEP VPH
Analysis Description: MADEPV
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92563649001

METHOD BLANK: R3716812-3 Matrix: Water
Associated Lab Samples: 92563649001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (C05-C08)	ug/L	ND	100	33.3	10/12/21 07:41	
Aliphatic (C09-C12)	ug/L	ND	100	33.3	10/12/21 07:41	
Aromatic (C09-C10),Unadjusted	ug/L	ND	100	33.3	10/12/21 07:41	
Total VPH	ug/L	ND	100	33.3	10/12/21 07:41	
2,5-Dibromotoluene (FID)	%	84.7	70.0-130		10/12/21 07:41	
2,5-Dibromotoluene (PID)	%	83.9	70.0-130		10/12/21 07:41	

LABORATORY CONTROL SAMPLE & LCSD: R3716812-1 R3716812-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	ug/L	1200	1060	1080	88.3	90.0	70.0-130	1.87	25	
Aliphatic (C09-C12)	ug/L	1400	1370	1410	97.9	101	70.0-130	2.88	25	
Aromatic (C09-C10),Unadjusted	ug/L	200	236	244	118	122	70.0-130	3.33	25	
Total VPH	ug/L	2800	2670	2730	95.4	97.5	70.0-130	2.22	25	
2,5-Dibromotoluene (FID)	%				97.8	105	70.0-130			
2,5-Dibromotoluene (PID)	%				99.5	107	70.0-130			

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92563649

QC Batch: 649812
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92563649001

METHOD BLANK: 3408194 Matrix: Water
Associated Lab Samples: 92563649001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	4.5	10/02/21 04:28	

LABORATORY CONTROL SAMPLE: 3408195

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	495	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3408196 3408197

Parameter	Units	92563460001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	506	493	101	98	75-125	3	20	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92563649

QC Batch: 1753792
QC Batch Method: 8260B
Analysis Method: SM 6200B
Analysis Description: VOA (GC/MS) 6200B-2011
Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 92563649001

METHOD BLANK: R3717396-3 Matrix: Water
Associated Lab Samples: 92563649001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acetone	ug/L	ND	50.0	11.3	10/08/21 22:28	
Acrolein	ug/L	ND	50.0	2.54	10/08/21 22:28	
Acrylonitrile	ug/L	ND	10.0	0.671	10/08/21 22:28	
Benzene	ug/L	ND	1.00	0.0941	10/08/21 22:28	
Bromobenzene	ug/L	ND	1.00	0.118	10/08/21 22:28	
Bromodichloromethane	ug/L	ND	1.00	0.136	10/08/21 22:28	
Bromoform	ug/L	ND	1.00	0.129	10/08/21 22:28	
Bromomethane	ug/L	ND	5.00	0.605	10/08/21 22:28	
n-Butylbenzene	ug/L	ND	1.00	0.157	10/08/21 22:28	
sec-Butylbenzene	ug/L	ND	1.00	0.125	10/08/21 22:28	
tert-Butylbenzene	ug/L	ND	1.00	0.127	10/08/21 22:28	
Carbon tetrachloride	ug/L	ND	1.00	0.128	10/08/21 22:28	
Chlorobenzene	ug/L	ND	1.00	0.116	10/08/21 22:28	
Dibromochloromethane	ug/L	ND	1.00	0.140	10/08/21 22:28	
Chloroethane	ug/L	ND	5.00	0.192	10/08/21 22:28	
Chloroform	ug/L	ND	5.00	0.111	10/08/21 22:28	
Chloromethane	ug/L	ND	2.50	0.960	10/08/21 22:28	
2-Chlorotoluene	ug/L	ND	1.00	0.106	10/08/21 22:28	
4-Chlorotoluene	ug/L	ND	1.00	0.114	10/08/21 22:28	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.00	0.276	10/08/21 22:28	
1,2-Dibromoethane (EDB)	ug/L	ND	1.00	0.126	10/08/21 22:28	
Dibromomethane	ug/L	ND	1.00	0.122	10/08/21 22:28	
1,2-Dichlorobenzene	ug/L	ND	1.00	0.107	10/08/21 22:28	
1,3-Dichlorobenzene	ug/L	ND	1.00	0.110	10/08/21 22:28	
1,4-Dichlorobenzene	ug/L	ND	1.00	0.120	10/08/21 22:28	
Dichlorodifluoromethane	ug/L	ND	5.00	0.374	10/08/21 22:28	
1,1-Dichloroethane	ug/L	ND	1.00	0.100	10/08/21 22:28	
1,2-Dichloroethane	ug/L	ND	1.00	0.0819	10/08/21 22:28	
1,1-Dichloroethene	ug/L	ND	1.00	0.188	10/08/21 22:28	
cis-1,2-Dichloroethene	ug/L	ND	1.00	0.126	10/08/21 22:28	
trans-1,2-Dichloroethene	ug/L	ND	1.00	0.149	10/08/21 22:28	
1,2-Dichloropropane	ug/L	ND	1.00	0.149	10/08/21 22:28	
1,1-Dichloropropene	ug/L	ND	1.00	0.142	10/08/21 22:28	
1,3-Dichloropropane	ug/L	ND	1.00	0.110	10/08/21 22:28	
2,2-Dichloropropane	ug/L	ND	1.00	0.161	10/08/21 22:28	
Diisopropyl ether	ug/L	ND	1.00	0.105	10/08/21 22:28	
Ethylbenzene	ug/L	ND	1.00	0.137	10/08/21 22:28	
Hexachloro-1,3-butadiene	ug/L	ND	1.00	0.337	10/08/21 22:28	
Isopropylbenzene (Cumene)	ug/L	ND	1.00	0.105	10/08/21 22:28	
p-Isopropyltoluene	ug/L	ND	1.00	0.120	10/08/21 22:28	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92563649

METHOD BLANK: R3717396-3 Matrix: Water
Associated Lab Samples: 92563649001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
2-Butanone (MEK)	ug/L	ND	10.0	1.19	10/08/21 22:28	
Methylene Chloride	ug/L	ND	5.00	0.430	10/08/21 22:28	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	0.478	10/08/21 22:28	
Methyl-tert-butyl ether	ug/L	ND	1.00	0.101	10/08/21 22:28	
Naphthalene	ug/L	ND	5.00	1.00	10/08/21 22:28	
n-Propylbenzene	ug/L	ND	1.00	0.0993	10/08/21 22:28	
Styrene	ug/L	ND	1.00	0.118	10/08/21 22:28	
1,1,1,2-Tetrachloroethane	ug/L	ND	1.00	0.147	10/08/21 22:28	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.00	0.133	10/08/21 22:28	
Tetrachloroethene	ug/L	ND	1.00	0.300	10/08/21 22:28	
Toluene	ug/L	ND	1.00	0.278	10/08/21 22:28	
1,2,3-Trichlorobenzene	ug/L	ND	1.00	0.230	10/08/21 22:28	
1,2,4-Trichlorobenzene	ug/L	ND	1.00	0.481	10/08/21 22:28	
1,1,1-Trichloroethane	ug/L	ND	1.00	0.149	10/08/21 22:28	
1,1,2-Trichloroethane	ug/L	ND	1.00	0.158	10/08/21 22:28	
Trichloroethene	ug/L	ND	1.00	0.190	10/08/21 22:28	
Trichlorofluoromethane	ug/L	ND	5.00	0.160	10/08/21 22:28	
1,2,3-Trichloropropane	ug/L	ND	2.50	0.237	10/08/21 22:28	
1,2,4-Trimethylbenzene	ug/L	ND	1.00	0.322	10/08/21 22:28	
1,3,5-Trimethylbenzene	ug/L	ND	1.00	0.104	10/08/21 22:28	
Vinyl chloride	ug/L	ND	1.00	0.234	10/08/21 22:28	
o-Xylene	ug/L	ND	1.00	0.174	10/08/21 22:28	
m&p-Xylene	ug/L	ND	2.00	0.430	10/08/21 22:28	
Toluene-d8 (S)	%	104	80.0-120		10/08/21 22:28	
4-Bromofluorobenzene (S)	%	100	77.0-126		10/08/21 22:28	
1,2-Dichloroethane-d4 (S)	%	109	70.0-130		10/08/21 22:28	

LABORATORY CONTROL SAMPLE & LCSD: R3717396-1 R3717396-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acetone	ug/L	25.0	27.8	25.6	111	102	19.0-160	8.24	27	
Acrolein	ug/L	25.0	33.3	30.8	133	123	10.0-160	7.80	26	
Acrylonitrile	ug/L	25.0	28.2	27.1	113	108	55.0-149	3.98	20	
Benzene	ug/L	5.00	4.89	4.80	97.8	96.0	70.0-123	1.86	20	
Bromobenzene	ug/L	5.00	5.03	4.90	101	98.0	73.0-121	2.62	20	
Bromodichloromethane	ug/L	5.00	5.32	5.10	106	102	75.0-120	4.22	20	
Bromoform	ug/L	5.00	4.96	4.82	99.2	96.4	68.0-132	2.86	20	
Bromomethane	ug/L	5.00	3.82	3.75	76.4	75.0	10.0-160	1.85	25	
n-Butylbenzene	ug/L	5.00	4.72	4.59	94.4	91.8	73.0-125	2.79	20	
sec-Butylbenzene	ug/L	5.00	5.06	4.95	101	99.0	75.0-125	2.20	20	
tert-Butylbenzene	ug/L	5.00	4.86	4.75	97.2	95.0	76.0-124	2.29	20	
Carbon tetrachloride	ug/L	5.00	5.47	4.92	109	98.4	68.0-126	10.6	20	
Chlorobenzene	ug/L	5.00	4.80	4.77	96.0	95.4	80.0-121	0.627	20	
Dibromochloromethane	ug/L	5.00	5.13	5.14	103	103	77.0-125	0.195	20	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92563649

LABORATORY CONTROL SAMPLE & LCSD: R3717396-1 R3717396-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Chloroethane	ug/L	5.00	4.43	4.48	88.6	89.6	47.0-150	1.12	20	
Chloroform	ug/L	5.00	5.09	4.90	102	98.0	73.0-120	3.80	20	
Chloromethane	ug/L	5.00	4.30	3.95	86.0	79.0	41.0-142	8.48	20	
2-Chlorotoluene	ug/L	5.00	5.12	4.86	102	97.2	76.0-123	5.21	20	
4-Chlorotoluene	ug/L	5.00	5.11	4.89	102	97.8	75.0-122	4.40	20	
1,2-Dibromo-3-chloropropane	ug/L	5.00	4.39	4.39	87.8	87.8	58.0-134	0.00	20	
1,2-Dibromoethane (EDB)	ug/L	5.00	4.89	4.68	97.8	93.6	80.0-122	4.39	20	
Dibromomethane	ug/L	5.00	5.22	4.90	104	98.0	80.0-120	6.32	20	
1,2-Dichlorobenzene	ug/L	5.00	4.97	4.97	99.4	99.4	79.0-121	0.00	20	
1,3-Dichlorobenzene	ug/L	5.00	4.89	4.90	97.8	98.0	79.0-120	0.204	20	
1,4-Dichlorobenzene	ug/L	5.00	4.69	4.60	93.8	92.0	79.0-120	1.94	20	
Dichlorodifluoromethane	ug/L	5.00	4.90	4.65	98.0	93.0	51.0-149	5.24	20	
1,1-Dichloroethane	ug/L	5.00	5.18	4.86	104	97.2	70.0-126	6.37	20	
1,2-Dichloroethane	ug/L	5.00	5.16	5.04	103	101	70.0-128	2.35	20	
1,1-Dichloroethene	ug/L	5.00	5.31	5.10	106	102	71.0-124	4.03	20	
cis-1,2-Dichloroethene	ug/L	5.00	4.83	5.07	96.6	101	73.0-120	4.85	20	
trans-1,2-Dichloroethene	ug/L	5.00	5.21	4.90	104	98.0	73.0-120	6.13	20	
1,2-Dichloropropane	ug/L	5.00	4.96	4.87	99.2	97.4	77.0-125	1.83	20	
1,1-Dichloropropene	ug/L	5.00	5.27	4.98	105	99.6	74.0-126	5.66	20	
1,3-Dichloropropane	ug/L	5.00	5.05	5.10	101	102	80.0-120	0.985	20	
2,2-Dichloropropane	ug/L	5.00	5.98	5.65	120	113	58.0-130	5.67	20	
Diisopropyl ether	ug/L	5.00	5.09	5.00	102	100	58.0-138	1.78	20	
Ethylbenzene	ug/L	5.00	5.09	5.10	102	102	79.0-123	0.196	20	
Hexachloro-1,3-butadiene	ug/L	5.00	4.93	4.60	98.6	92.0	54.0-138	6.93	20	
Isopropylbenzene (Cumene)	ug/L	5.00	4.78	4.70	95.6	94.0	76.0-127	1.69	20	
p-Isopropyltoluene	ug/L	5.00	5.01	4.93	100	98.6	76.0-125	1.61	20	
2-Butanone (MEK)	ug/L	25.0	27.9	26.6	112	106	44.0-160	4.77	20	
Methylene Chloride	ug/L	5.00	5.51	5.33	110	107	67.0-120	3.32	20	
4-Methyl-2-pentanone (MIBK)	ug/L	25.0	27.2	26.5	109	106	68.0-142	2.61	20	
Methyl-tert-butyl ether	ug/L	5.00	5.25	4.96	105	99.2	68.0-125	5.68	20	
Naphthalene	ug/L	5.00	4.20	4.06	84.0	81.2	54.0-135	3.39	20	
n-Propylbenzene	ug/L	5.00	4.97	4.88	99.4	97.6	77.0-124	1.83	20	
Styrene	ug/L	5.00	4.86	4.66	97.2	93.2	73.0-130	4.20	20	
1,1,1,2-Tetrachloroethane	ug/L	5.00	4.78	4.74	95.6	94.8	75.0-125	0.840	20	
1,1,2,2-Tetrachloroethane	ug/L	5.00	5.55	5.61	111	112	65.0-130	1.08	20	
Tetrachloroethene	ug/L	5.00	5.04	5.07	101	101	72.0-132	0.593	20	
Toluene	ug/L	5.00	4.86	4.71	97.2	94.2	79.0-120	3.13	20	
1,2,3-Trichlorobenzene	ug/L	5.00	4.43	4.85	88.6	97.0	50.0-138	9.05	20	
1,2,4-Trichlorobenzene	ug/L	5.00	4.34	4.48	86.8	89.6	57.0-137	3.17	20	
1,1,1-Trichloroethane	ug/L	5.00	5.39	5.13	108	103	73.0-124	4.94	20	
1,1,2-Trichloroethane	ug/L	5.00	4.88	4.87	97.6	97.4	80.0-120	0.205	20	
Trichloroethene	ug/L	5.00	4.92	4.87	98.4	97.4	78.0-124	1.02	20	
Trichlorofluoromethane	ug/L	5.00	4.90	4.73	98.0	94.6	59.0-147	3.53	20	
1,2,3-Trichloropropane	ug/L	5.00	4.75	5.02	95.0	100	73.0-130	5.53	20	
1,2,4-Trimethylbenzene	ug/L	5.00	4.80	4.79	96.0	95.8	76.0-121	0.209	20	
1,3,5-Trimethylbenzene	ug/L	5.00	5.02	4.91	100	98.2	76.0-122	2.22	20	
Vinyl chloride	ug/L	5.00	4.49	4.30	89.8	86.0	67.0-131	4.32	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92563649

LABORATORY CONTROL SAMPLE & LCSD: R3717396-1 R3717396-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
o-Xylene	ug/L	5.00	4.92	4.68	98.4	93.6	80.0-122	5.00	20	
m&p-Xylene	ug/L	10.0	9.66	9.71	96.6	97.1	80.0-122	0.516	20	
Toluene-d8 (S)	%				99.5	102	80.0-120			
4-Bromofluorobenzene (S)	%				96.8	97.1	77.0-126			
1,2-Dichloroethane-d4 (S)	%				107	107	70.0-130			

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QUALIFIERS

Project: 2020-L1-2448
Pace Project No.: 92563649

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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Huntersville, NC 28078
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2020-L1-2448
Pace Project No.: 92563649

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92563649001	**13800_HC_RD_09282021**	MADEPV	1755200	MADEP VPH	1755200
92563649001	**13800_HC_RD_09282021**	EPA 3010A	649812	EPA 6010D	649827
92563649001	**13800_HC_RD_09282021**	6200B-2011	1753792	SM 6200B	1753792

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MT

WO# : 92563649

92563649

ALL SHADED A

Company: Apex Companies	Billing Information:
Address:	
Report To: Andrew Street	Email To: andrew.street@apexcos.com
Copy To:	Site Collection Info/Address: 13800 Huntersville Concord Rd.
Customer Project Name/Number: 2020-LI-2448	State: NC County/City: Huntersville Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET
Phone: Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Matt Teixeira	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: ASAP Immediately Packed on Ice: [ ] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	VOCs 6200B	MADEP VPH	Lead
13800_HC_RD	DW	G	9-28-21	0950				8	X	X	X

Container Preservative Type **

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium [illegible], (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y (N) NA
Custody Signatures Present	(Y) N NA
Collector Signature Present	(Y) N NA
Bottles Intact	(Y) N NA
Correct Bottles	(Y) N NA
Sufficient Volume	(Y) N NA
Samples Received on Ice	(Y) N NA
VOA - Headspace Acceptable	(Y) N NA
USDA Regulated Soils	Y N (NA)
Samples in Holding Time	(Y) N NA
Residual Chlorine Present	Y N (NA)
Cl Strips:	
Sample pH Acceptable	(Y) N NA
pH Strips:	
Sulfide Present	Y N (NA)
Lead Acetate Strips:	

LAB USE ONLY:
Lab Sample # / Comments:

92563649
OWI

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2546696

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 92TOC-V
Cooler 1 Temp Upon Receipt: 4.3 oC
Cooler 1 Therm Corr. Factor: 0 oC
Cooler 1 Corrected Temp: 4.3 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Matt Tex/Apex	9-28-21/1313	KS Pace HVL	9/29/21 1313
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N (NA)
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: _____ of: _____

Pace Analytical	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: October 28, 2020 Page 2 of 2
	Document No.: F-CAR-CS-033-Rev.07	Issuing Authority: Pace Carolinas Quality Office

***Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.**

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

****Bottom half of box is to list number of bottles**

Project # WO#: 92563649

PM: AMB Due Date: 10/05/21

CLIENT: 92-APEX MOOR

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1						1 ✓										1													
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 18, 2021

Andrew Street
Apex Companies - NC
5900 Northwoods Business Pkwy
Suite 5900-0
Charlotte, NC 28269

RE: Project: 2020-L1-2448 Incident
Pace Project No.: 92563651

Dear Andrew Street:

Enclosed are the analytical results for sample(s) received by the laboratory on September 28, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Asheville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angela M. Baioni

Angela Baioni
angela.baioni@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: J Culbreath, Colonial Pipeline Company
Naomi Fretz, APEX Companies, LLC
Robert Hughes, Colonial Pipeline
Cameron Lee, Montrose-EPS
Jamie Moran, APEX Companies, LLC
Jeff Morrison, Colonial Pipeline Company
Tom Naumann, APEX Companies - NC
Joe Nicolette, Montrose-EPS
Kaitlyn Nootens, Apex Companies
Christopher Schultz, Apex Companies
Matt Teixeira, Apex Companies, LLC
Michael Verdon, Colonial Pipeline Company
JM Wyatt, Colonial Pipeline Company

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 2020-L1-2448 Incident
Pace Project No.: 92563651

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

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SAMPLE SUMMARY

Project: 2020-L1-2448 Incident
Pace Project No.: 92563651

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92563651001	**14401_HC_RD_09282021**	Water	09/28/21 10:28	09/28/21 13:13

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SAMPLE ANALYTE COUNT

Project: 2020-L1-2448 Incident
Pace Project No.: 92563651

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92563651001	**14401_HC_RD_09282021**	MADEP VPH	BMB	6	PAN
		EPA 6010D	DS	1	PASI-A
		SM 6200B	BMB	66	PAN

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville

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ANALYTICAL RESULTS

Project: 2020-L1-2448 Incident
Pace Project No.: 92563651

Sample: 14401_HC_RD_09282021 **Lab ID: 92563651001** Collected: 09/28/21 10:28 Received: 09/28/21 13:13 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
MADEPV	Analytical Method: MADEP VPH Preparation Method: MADEPV Pace National - Mt. Juliet								
Aliphatic (C05-C08)	ND	ug/L	100	33.3	1	10/12/21 11:08	10/12/21 11:08		
Aliphatic (C09-C12)	ND	ug/L	100	33.3	1	10/12/21 11:08	10/12/21 11:08		
Aromatic (C09-C10),Unadjusted	ND	ug/L	100	33.3	1	10/12/21 11:08	10/12/21 11:08	TPHC9C10A	
Total VPH	ND	ug/L	100	33.3	1	10/12/21 11:08	10/12/21 11:08	VPH	
Surrogates									
2,5-Dibromotoluene (FID)	105	%	70.0-130		1	10/12/21 11:08	10/12/21 11:08	615-59-8FID	
2,5-Dibromotoluene (PID)	106	%	70.0-130		1	10/12/21 11:08	10/12/21 11:08	615-59-8PID	
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	09/29/21 02:00	10/01/21 23:30	7439-92-1	
VOA (GC/MS) 6200B-2011	Analytical Method: SM 6200B Preparation Method: 6200B-2011 Pace National - Mt. Juliet								
Acetone	ND	ug/L	50.0	11.3	1	10/09/21 02:23	10/09/21 02:23	67-64-1	
Acrolein	ND	ug/L	50.0	2.54	1	10/09/21 02:23	10/09/21 02:23	107-02-8	
Acrylonitrile	ND	ug/L	10.0	0.671	1	10/09/21 02:23	10/09/21 02:23	107-13-1	
Benzene	ND	ug/L	1.00	0.0941	1	10/09/21 02:23	10/09/21 02:23	71-43-2	
Bromobenzene	ND	ug/L	1.00	0.118	1	10/09/21 02:23	10/09/21 02:23	108-86-1	
Bromodichloromethane	ND	ug/L	1.00	0.136	1	10/09/21 02:23	10/09/21 02:23	75-27-4	
Bromoform	ND	ug/L	1.00	0.129	1	10/09/21 02:23	10/09/21 02:23	75-25-2	
Bromomethane	ND	ug/L	5.00	0.605	1	10/09/21 02:23	10/09/21 02:23	74-83-9	
n-Butylbenzene	ND	ug/L	1.00	0.157	1	10/09/21 02:23	10/09/21 02:23	104-51-8	
sec-Butylbenzene	ND	ug/L	1.00	0.125	1	10/09/21 02:23	10/09/21 02:23	135-98-8	
tert-Butylbenzene	ND	ug/L	1.00	0.127	1	10/09/21 02:23	10/09/21 02:23	98-06-6	
Carbon tetrachloride	ND	ug/L	1.00	0.128	1	10/09/21 02:23	10/09/21 02:23	56-23-5	
Chlorobenzene	ND	ug/L	1.00	0.116	1	10/09/21 02:23	10/09/21 02:23	108-90-7	
Dibromochloromethane	ND	ug/L	1.00	0.140	1	10/09/21 02:23	10/09/21 02:23	124-48-1	
Chloroethane	ND	ug/L	5.00	0.192	1	10/09/21 02:23	10/09/21 02:23	75-00-3	
Chloroform	ND	ug/L	5.00	0.111	1	10/09/21 02:23	10/09/21 02:23	67-66-3	
Chloromethane	ND	ug/L	2.50	0.960	1	10/09/21 02:23	10/09/21 02:23	74-87-3	
2-Chlorotoluene	ND	ug/L	1.00	0.106	1	10/09/21 02:23	10/09/21 02:23	95-49-8	
4-Chlorotoluene	ND	ug/L	1.00	0.114	1	10/09/21 02:23	10/09/21 02:23	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.00	0.276	1	10/09/21 02:23	10/09/21 02:23	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.00	0.126	1	10/09/21 02:23	10/09/21 02:23	106-93-4	
Dibromomethane	ND	ug/L	1.00	0.122	1	10/09/21 02:23	10/09/21 02:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.00	0.107	1	10/09/21 02:23	10/09/21 02:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.00	0.110	1	10/09/21 02:23	10/09/21 02:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.00	0.120	1	10/09/21 02:23	10/09/21 02:23	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.00	0.374	1	10/09/21 02:23	10/09/21 02:23	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.00	0.100	1	10/09/21 02:23	10/09/21 02:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.00	0.0819	1	10/09/21 02:23	10/09/21 02:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.00	0.188	1	10/09/21 02:23	10/09/21 02:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.00	0.126	1	10/09/21 02:23	10/09/21 02:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.00	0.149	1	10/09/21 02:23	10/09/21 02:23	156-60-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2020-L1-2448 Incident
Pace Project No.: 92563651

Sample: 14401_HC_RD_09282021 **Lab ID: 92563651001** Collected: 09/28/21 10:28 Received: 09/28/21 13:13 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC/MS) 6200B-2011	Analytical Method: SM 6200B Preparation Method: 6200B-2011 Pace National - Mt. Juliet								
1,2-Dichloropropane	ND	ug/L	1.00	0.149	1	10/09/21 02:23	10/09/21 02:23	78-87-5	
1,1-Dichloropropene	ND	ug/L	1.00	0.142	1	10/09/21 02:23	10/09/21 02:23	563-58-6	
1,3-Dichloropropane	ND	ug/L	1.00	0.110	1	10/09/21 02:23	10/09/21 02:23	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.00	0.161	1	10/09/21 02:23	10/09/21 02:23	594-20-7	
Diisopropyl ether	ND	ug/L	1.00	0.105	1	10/09/21 02:23	10/09/21 02:23	108-20-3	
Ethylbenzene	ND	ug/L	1.00	0.137	1	10/09/21 02:23	10/09/21 02:23	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.00	0.337	1	10/09/21 02:23	10/09/21 02:23	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.00	0.105	1	10/09/21 02:23	10/09/21 02:23	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.00	0.120	1	10/09/21 02:23	10/09/21 02:23	99-87-6	
2-Butanone (MEK)	ND	ug/L	10.0	1.19	1	10/09/21 02:23	10/09/21 02:23	78-93-3	
Methylene Chloride	ND	ug/L	5.00	0.430	1	10/09/21 02:23	10/09/21 02:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	0.478	1	10/09/21 02:23	10/09/21 02:23	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.00	0.101	1	10/09/21 02:23	10/09/21 02:23	1634-04-4	
Naphthalene	ND	ug/L	5.00	1.00	1	10/09/21 02:23	10/09/21 02:23	91-20-3	
n-Propylbenzene	ND	ug/L	1.00	0.0993	1	10/09/21 02:23	10/09/21 02:23	103-65-1	
Styrene	ND	ug/L	1.00	0.118	1	10/09/21 02:23	10/09/21 02:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.00	0.147	1	10/09/21 02:23	10/09/21 02:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.00	0.133	1	10/09/21 02:23	10/09/21 02:23	79-34-5	
Tetrachloroethene	ND	ug/L	1.00	0.300	1	10/09/21 02:23	10/09/21 02:23	127-18-4	
Toluene	ND	ug/L	1.00	0.278	1	10/09/21 02:23	10/09/21 02:23	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.00	0.230	1	10/09/21 02:23	10/09/21 02:23	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.00	0.481	1	10/09/21 02:23	10/09/21 02:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.00	0.149	1	10/09/21 02:23	10/09/21 02:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.00	0.158	1	10/09/21 02:23	10/09/21 02:23	79-00-5	
Trichloroethene	ND	ug/L	1.00	0.190	1	10/09/21 02:23	10/09/21 02:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.00	0.160	1	10/09/21 02:23	10/09/21 02:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.50	0.237	1	10/09/21 02:23	10/09/21 02:23	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.00	0.322	1	10/09/21 02:23	10/09/21 02:23	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.00	0.104	1	10/09/21 02:23	10/09/21 02:23	108-67-8	
Vinyl chloride	ND	ug/L	1.00	0.234	1	10/09/21 02:23	10/09/21 02:23	75-01-4	
o-Xylene	ND	ug/L	1.00	0.174	1	10/09/21 02:23	10/09/21 02:23	95-47-6	
m&p-Xylene	ND	ug/L	2.00	0.430	1	10/09/21 02:23	10/09/21 02:23	179601-23-1	
Surrogates									
Toluene-d8 (S)	102	%	80.0-120		1	10/09/21 02:23	10/09/21 02:23	2037-26-5	
4-Bromofluorobenzene (S)	98.8	%	77.0-126		1	10/09/21 02:23	10/09/21 02:23	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70.0-130		1	10/09/21 02:23	10/09/21 02:23	17060-07-0	

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QUALITY CONTROL DATA

Project: 2020-L1-2448 Incident
Pace Project No.: 92563651

QC Batch: 1755200
QC Batch Method: KS LRH/MADEPV/MTDEQ VPH/VPH
Analysis Method: MADEP VPH
Analysis Description: MADEPV
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92563651001

METHOD BLANK: R3716812-3 Matrix: Water
Associated Lab Samples: 92563651001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (C05-C08)	ug/L	ND	100	33.3	10/12/21 07:41	
Aliphatic (C09-C12)	ug/L	ND	100	33.3	10/12/21 07:41	
Aromatic (C09-C10),Unadjusted	ug/L	ND	100	33.3	10/12/21 07:41	
Total VPH	ug/L	ND	100	33.3	10/12/21 07:41	
2,5-Dibromotoluene (FID)	%	84.7	70.0-130		10/12/21 07:41	
2,5-Dibromotoluene (PID)	%	83.9	70.0-130		10/12/21 07:41	

LABORATORY CONTROL SAMPLE & LCSD: R3716812-1 R3716812-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	ug/L	1200	1060	1080	88.3	90.0	70.0-130	1.87	25	
Aliphatic (C09-C12)	ug/L	1400	1370	1410	97.9	101	70.0-130	2.88	25	
Aromatic (C09-C10),Unadjusted	ug/L	200	236	244	118	122	70.0-130	3.33	25	
Total VPH	ug/L	2800	2670	2730	95.4	97.5	70.0-130	2.22	25	
2,5-Dibromotoluene (FID)	%				97.8	105	70.0-130			
2,5-Dibromotoluene (PID)	%				99.5	107	70.0-130			

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QUALITY CONTROL DATA

Project: 2020-L1-2448 Incident
Pace Project No.: 92563651

QC Batch: 649812
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92563651001

METHOD BLANK: 3408194 Matrix: Water
Associated Lab Samples: 92563651001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	4.5	10/02/21 04:28	

LABORATORY CONTROL SAMPLE: 3408195

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	495	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3408196 3408197

Parameter	Units	92563460001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	506	493	101	98	75-125	3	20	

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QUALITY CONTROL DATA

Project: 2020-L1-2448 Incident
Pace Project No.: 92563651

QC Batch: 1753792
QC Batch Method: 8260B
Analysis Method: SM 6200B
Analysis Description: VOA (GC/MS) 6200B-2011
Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 92563651001

METHOD BLANK: R3717396-3 Matrix: Water
Associated Lab Samples: 92563651001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acetone	ug/L	ND	50.0	11.3	10/08/21 22:28	
Acrolein	ug/L	ND	50.0	2.54	10/08/21 22:28	
Acrylonitrile	ug/L	ND	10.0	0.671	10/08/21 22:28	
Benzene	ug/L	ND	1.00	0.0941	10/08/21 22:28	
Bromobenzene	ug/L	ND	1.00	0.118	10/08/21 22:28	
Bromodichloromethane	ug/L	ND	1.00	0.136	10/08/21 22:28	
Bromoform	ug/L	ND	1.00	0.129	10/08/21 22:28	
Bromomethane	ug/L	ND	5.00	0.605	10/08/21 22:28	
n-Butylbenzene	ug/L	ND	1.00	0.157	10/08/21 22:28	
sec-Butylbenzene	ug/L	ND	1.00	0.125	10/08/21 22:28	
tert-Butylbenzene	ug/L	ND	1.00	0.127	10/08/21 22:28	
Carbon tetrachloride	ug/L	ND	1.00	0.128	10/08/21 22:28	
Chlorobenzene	ug/L	ND	1.00	0.116	10/08/21 22:28	
Dibromochloromethane	ug/L	ND	1.00	0.140	10/08/21 22:28	
Chloroethane	ug/L	ND	5.00	0.192	10/08/21 22:28	
Chloroform	ug/L	ND	5.00	0.111	10/08/21 22:28	
Chloromethane	ug/L	ND	2.50	0.960	10/08/21 22:28	
2-Chlorotoluene	ug/L	ND	1.00	0.106	10/08/21 22:28	
4-Chlorotoluene	ug/L	ND	1.00	0.114	10/08/21 22:28	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.00	0.276	10/08/21 22:28	
1,2-Dibromoethane (EDB)	ug/L	ND	1.00	0.126	10/08/21 22:28	
Dibromomethane	ug/L	ND	1.00	0.122	10/08/21 22:28	
1,2-Dichlorobenzene	ug/L	ND	1.00	0.107	10/08/21 22:28	
1,3-Dichlorobenzene	ug/L	ND	1.00	0.110	10/08/21 22:28	
1,4-Dichlorobenzene	ug/L	ND	1.00	0.120	10/08/21 22:28	
Dichlorodifluoromethane	ug/L	ND	5.00	0.374	10/08/21 22:28	
1,1-Dichloroethane	ug/L	ND	1.00	0.100	10/08/21 22:28	
1,2-Dichloroethane	ug/L	ND	1.00	0.0819	10/08/21 22:28	
1,1-Dichloroethene	ug/L	ND	1.00	0.188	10/08/21 22:28	
cis-1,2-Dichloroethene	ug/L	ND	1.00	0.126	10/08/21 22:28	
trans-1,2-Dichloroethene	ug/L	ND	1.00	0.149	10/08/21 22:28	
1,2-Dichloropropane	ug/L	ND	1.00	0.149	10/08/21 22:28	
1,1-Dichloropropene	ug/L	ND	1.00	0.142	10/08/21 22:28	
1,3-Dichloropropane	ug/L	ND	1.00	0.110	10/08/21 22:28	
2,2-Dichloropropane	ug/L	ND	1.00	0.161	10/08/21 22:28	
Diisopropyl ether	ug/L	ND	1.00	0.105	10/08/21 22:28	
Ethylbenzene	ug/L	ND	1.00	0.137	10/08/21 22:28	
Hexachloro-1,3-butadiene	ug/L	ND	1.00	0.337	10/08/21 22:28	
Isopropylbenzene (Cumene)	ug/L	ND	1.00	0.105	10/08/21 22:28	
p-Isopropyltoluene	ug/L	ND	1.00	0.120	10/08/21 22:28	

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QUALITY CONTROL DATA

Project: 2020-L1-2448 Incident
Pace Project No.: 92563651

METHOD BLANK: R3717396-3 Matrix: Water
Associated Lab Samples: 92563651001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
2-Butanone (MEK)	ug/L	ND	10.0	1.19	10/08/21 22:28	
Methylene Chloride	ug/L	ND	5.00	0.430	10/08/21 22:28	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	0.478	10/08/21 22:28	
Methyl-tert-butyl ether	ug/L	ND	1.00	0.101	10/08/21 22:28	
Naphthalene	ug/L	ND	5.00	1.00	10/08/21 22:28	
n-Propylbenzene	ug/L	ND	1.00	0.0993	10/08/21 22:28	
Styrene	ug/L	ND	1.00	0.118	10/08/21 22:28	
1,1,1,2-Tetrachloroethane	ug/L	ND	1.00	0.147	10/08/21 22:28	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.00	0.133	10/08/21 22:28	
Tetrachloroethene	ug/L	ND	1.00	0.300	10/08/21 22:28	
Toluene	ug/L	ND	1.00	0.278	10/08/21 22:28	
1,2,3-Trichlorobenzene	ug/L	ND	1.00	0.230	10/08/21 22:28	
1,2,4-Trichlorobenzene	ug/L	ND	1.00	0.481	10/08/21 22:28	
1,1,1-Trichloroethane	ug/L	ND	1.00	0.149	10/08/21 22:28	
1,1,2-Trichloroethane	ug/L	ND	1.00	0.158	10/08/21 22:28	
Trichloroethene	ug/L	ND	1.00	0.190	10/08/21 22:28	
Trichlorofluoromethane	ug/L	ND	5.00	0.160	10/08/21 22:28	
1,2,3-Trichloropropane	ug/L	ND	2.50	0.237	10/08/21 22:28	
1,2,4-Trimethylbenzene	ug/L	ND	1.00	0.322	10/08/21 22:28	
1,3,5-Trimethylbenzene	ug/L	ND	1.00	0.104	10/08/21 22:28	
Vinyl chloride	ug/L	ND	1.00	0.234	10/08/21 22:28	
o-Xylene	ug/L	ND	1.00	0.174	10/08/21 22:28	
m&p-Xylene	ug/L	ND	2.00	0.430	10/08/21 22:28	
Toluene-d8 (S)	%	104	80.0-120		10/08/21 22:28	
4-Bromofluorobenzene (S)	%	100	77.0-126		10/08/21 22:28	
1,2-Dichloroethane-d4 (S)	%	109	70.0-130		10/08/21 22:28	

LABORATORY CONTROL SAMPLE & LCSD: R3717396-1 R3717396-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acetone	ug/L	25.0	27.8	25.6	111	102	19.0-160	8.24	27	
Acrolein	ug/L	25.0	33.3	30.8	133	123	10.0-160	7.80	26	
Acrylonitrile	ug/L	25.0	28.2	27.1	113	108	55.0-149	3.98	20	
Benzene	ug/L	5.00	4.89	4.80	97.8	96.0	70.0-123	1.86	20	
Bromobenzene	ug/L	5.00	5.03	4.90	101	98.0	73.0-121	2.62	20	
Bromodichloromethane	ug/L	5.00	5.32	5.10	106	102	75.0-120	4.22	20	
Bromoform	ug/L	5.00	4.96	4.82	99.2	96.4	68.0-132	2.86	20	
Bromomethane	ug/L	5.00	3.82	3.75	76.4	75.0	10.0-160	1.85	25	
n-Butylbenzene	ug/L	5.00	4.72	4.59	94.4	91.8	73.0-125	2.79	20	
sec-Butylbenzene	ug/L	5.00	5.06	4.95	101	99.0	75.0-125	2.20	20	
tert-Butylbenzene	ug/L	5.00	4.86	4.75	97.2	95.0	76.0-124	2.29	20	
Carbon tetrachloride	ug/L	5.00	5.47	4.92	109	98.4	68.0-126	10.6	20	
Chlorobenzene	ug/L	5.00	4.80	4.77	96.0	95.4	80.0-121	0.627	20	
Dibromochloromethane	ug/L	5.00	5.13	5.14	103	103	77.0-125	0.195	20	

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QUALITY CONTROL DATA

Project: 2020-L1-2448 Incident
Pace Project No.: 92563651

LABORATORY CONTROL SAMPLE & LCSD: R3717396-1 R3717396-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Chloroethane	ug/L	5.00	4.43	4.48	88.6	89.6	47.0-150	1.12	20	
Chloroform	ug/L	5.00	5.09	4.90	102	98.0	73.0-120	3.80	20	
Chloromethane	ug/L	5.00	4.30	3.95	86.0	79.0	41.0-142	8.48	20	
2-Chlorotoluene	ug/L	5.00	5.12	4.86	102	97.2	76.0-123	5.21	20	
4-Chlorotoluene	ug/L	5.00	5.11	4.89	102	97.8	75.0-122	4.40	20	
1,2-Dibromo-3-chloropropane	ug/L	5.00	4.39	4.39	87.8	87.8	58.0-134	0.00	20	
1,2-Dibromoethane (EDB)	ug/L	5.00	4.89	4.68	97.8	93.6	80.0-122	4.39	20	
Dibromomethane	ug/L	5.00	5.22	4.90	104	98.0	80.0-120	6.32	20	
1,2-Dichlorobenzene	ug/L	5.00	4.97	4.97	99.4	99.4	79.0-121	0.00	20	
1,3-Dichlorobenzene	ug/L	5.00	4.89	4.90	97.8	98.0	79.0-120	0.204	20	
1,4-Dichlorobenzene	ug/L	5.00	4.69	4.60	93.8	92.0	79.0-120	1.94	20	
Dichlorodifluoromethane	ug/L	5.00	4.90	4.65	98.0	93.0	51.0-149	5.24	20	
1,1-Dichloroethane	ug/L	5.00	5.18	4.86	104	97.2	70.0-126	6.37	20	
1,2-Dichloroethane	ug/L	5.00	5.16	5.04	103	101	70.0-128	2.35	20	
1,1-Dichloroethene	ug/L	5.00	5.31	5.10	106	102	71.0-124	4.03	20	
cis-1,2-Dichloroethene	ug/L	5.00	4.83	5.07	96.6	101	73.0-120	4.85	20	
trans-1,2-Dichloroethene	ug/L	5.00	5.21	4.90	104	98.0	73.0-120	6.13	20	
1,2-Dichloropropane	ug/L	5.00	4.96	4.87	99.2	97.4	77.0-125	1.83	20	
1,1-Dichloropropene	ug/L	5.00	5.27	4.98	105	99.6	74.0-126	5.66	20	
1,3-Dichloropropane	ug/L	5.00	5.05	5.10	101	102	80.0-120	0.985	20	
2,2-Dichloropropane	ug/L	5.00	5.98	5.65	120	113	58.0-130	5.67	20	
Diisopropyl ether	ug/L	5.00	5.09	5.00	102	100	58.0-138	1.78	20	
Ethylbenzene	ug/L	5.00	5.09	5.10	102	102	79.0-123	0.196	20	
Hexachloro-1,3-butadiene	ug/L	5.00	4.93	4.60	98.6	92.0	54.0-138	6.93	20	
Isopropylbenzene (Cumene)	ug/L	5.00	4.78	4.70	95.6	94.0	76.0-127	1.69	20	
p-Isopropyltoluene	ug/L	5.00	5.01	4.93	100	98.6	76.0-125	1.61	20	
2-Butanone (MEK)	ug/L	25.0	27.9	26.6	112	106	44.0-160	4.77	20	
Methylene Chloride	ug/L	5.00	5.51	5.33	110	107	67.0-120	3.32	20	
4-Methyl-2-pentanone (MIBK)	ug/L	25.0	27.2	26.5	109	106	68.0-142	2.61	20	
Methyl-tert-butyl ether	ug/L	5.00	5.25	4.96	105	99.2	68.0-125	5.68	20	
Naphthalene	ug/L	5.00	4.20	4.06	84.0	81.2	54.0-135	3.39	20	
n-Propylbenzene	ug/L	5.00	4.97	4.88	99.4	97.6	77.0-124	1.83	20	
Styrene	ug/L	5.00	4.86	4.66	97.2	93.2	73.0-130	4.20	20	
1,1,1,2-Tetrachloroethane	ug/L	5.00	4.78	4.74	95.6	94.8	75.0-125	0.840	20	
1,1,2,2-Tetrachloroethane	ug/L	5.00	5.55	5.61	111	112	65.0-130	1.08	20	
Tetrachloroethene	ug/L	5.00	5.04	5.07	101	101	72.0-132	0.593	20	
Toluene	ug/L	5.00	4.86	4.71	97.2	94.2	79.0-120	3.13	20	
1,2,3-Trichlorobenzene	ug/L	5.00	4.43	4.85	88.6	97.0	50.0-138	9.05	20	
1,2,4-Trichlorobenzene	ug/L	5.00	4.34	4.48	86.8	89.6	57.0-137	3.17	20	
1,1,1-Trichloroethane	ug/L	5.00	5.39	5.13	108	103	73.0-124	4.94	20	
1,1,2-Trichloroethane	ug/L	5.00	4.88	4.87	97.6	97.4	80.0-120	0.205	20	
Trichloroethene	ug/L	5.00	4.92	4.87	98.4	97.4	78.0-124	1.02	20	
Trichlorofluoromethane	ug/L	5.00	4.90	4.73	98.0	94.6	59.0-147	3.53	20	
1,2,3-Trichloropropane	ug/L	5.00	4.75	5.02	95.0	100	73.0-130	5.53	20	
1,2,4-Trimethylbenzene	ug/L	5.00	4.80	4.79	96.0	95.8	76.0-121	0.209	20	
1,3,5-Trimethylbenzene	ug/L	5.00	5.02	4.91	100	98.2	76.0-122	2.22	20	
Vinyl chloride	ug/L	5.00	4.49	4.30	89.8	86.0	67.0-131	4.32	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2020-L1-2448 Incident
Pace Project No.: 92563651

LABORATORY CONTROL SAMPLE & LCSD: R3717396-1 R3717396-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
o-Xylene	ug/L	5.00	4.92	4.68	98.4	93.6	80.0-122	5.00	20	
m&p-Xylene	ug/L	10.0	9.66	9.71	96.6	97.1	80.0-122	0.516	20	
Toluene-d8 (S)	%				99.5	102	80.0-120			
4-Bromofluorobenzene (S)	%				96.8	97.1	77.0-126			
1,2-Dichloroethane-d4 (S)	%				107	107	70.0-130			

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QUALIFIERS

Project: 2020-L1-2448 Incident
Pace Project No.: 92563651

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2020-L1-2448 Incident
Pace Project No.: 92563651

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92563651001	**14401_HC_RD_09282021**	MADEPV	1755200	MADEP VPH	1755200
92563651001	**14401_HC_RD_09282021**	EPA 3010A	649812	EPA 6010D	649827
92563651001	**14401_HC_RD_09282021**	6200B-2011	1753792	SM 6200B	1753792

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

WO# : 92563651

92563651

ALL SHADED AR

Company: Apex Companies	Billing Information:
Address:	
Report To: Andrew Street	Email To: andrew.street@apexcos.com
Copy To:	Site Collection Info/Address: 14401 Huntersville Concord Rd.
Customer Project Name/Number: 2020-LI-2448	State: NC County/City: Huntersville Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET
Phone: Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Matt Teixeira	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: ASAP Immediately Packed on Ice: [ ] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

Container Preservative Type **

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: VOCs 62003	MADEP VPH	Lead	Lab Profile/Line: Lab Sample # / Comments
14401_HC_RD	DW	G	9-28-21	10:28				8	X	X	X	92563651 001

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA (6)
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	(NA) (3)
Samples in Holding Time	(Y)	N	NA
Residual Chlorine Present	Y	N	(NA)
Cl Strips:			
Sample pH Acceptable	(Y)	N	NA
pH Strips: 10D0411			
Sulfide Present	Y	N	(NA) (5)
Lead Acetate Strips:			

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: (Wet) Blue Dry None

Packing Material Used: BB

Radchem sample(s) screened (<500 cpm): Y N (NA)

SHORT HOLDS PRESENT (<72 hours): Y (N) N/A

Lab Tracking #: 2546700

Samples received via: FEDEX UPS (Client) Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y (N) NA
Therm ID#: 92TOL4
Cooler 1 Temp Upon Receipt: 4.3 oC
Cooler 1 Therm Corr. Factor: .8 oC
Cooler 1 Corrected Temp: 4.3 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Matt Teix / Apex	9-28-21 / 1313	KS Pace HVL	9/28/21 1313
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y (N) NA
HCL MeOH TSP Other

Non Conformance(s): YES / (NO)

Page: _____ of: _____

***Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.**

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

****Bottom half of box is to list number of bottles**

Proj

WO# : 92563651

PM: AMB Due Date: 10/05/21

CLIENT: 92-APEX MOOR

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AGUU-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1						1										1													
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 28, 2021

Andrew Street
Apex Companies - NC
5900 Northwoods Business Pkwy
Suite 5900-0
Charlotte, NC 28269

RE: Project: 2020-L1-2448
Pace Project No.: 92564844

Dear Andrew Street:

Enclosed are the analytical results for sample(s) received by the laboratory on October 05, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte

The VPH was re-analyzed out of hold, per client request.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angela M. Baioni

Angela Baioni
angela.baioni@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: J Culbreath, Colonial Pipeline Company
Naomi Fretz, APEX Companies, LLC
Robert Hughes, Colonial Pipeline
Cameron Lee, Montrose-EPS
Jamie Moran, APEX Companies, LLC
Jeff Morrison, Colonial Pipeline Company
Tom Naumann, APEX Companies - NC
Joe Nicolette, Montrose-EPS
Kaitlyn Nootens, Apex Companies
Christopher Schultz, Apex Companies
Matt Teixeira, Apex Companies, LLC
Michael Verdon, Colonial Pipeline Company
JM Wyatt, Colonial Pipeline Company

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 2020-L1-2448
Pace Project No.: 92564844

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Charlotte

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
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SAMPLE SUMMARY

Project: 2020-L1-2448
Pace Project No.: 92564844

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92564844001	**13800_HC_RD_20211005**	Water	10/05/21 09:45	10/05/21 13:20

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SAMPLE ANALYTE COUNT

Project: 2020-L1-2448
Pace Project No.: 92564844

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92564844001	**13800_HC_RD_20211005**	MADEP VPH	BMB, JHH	6	PAN
		EPA 6010D	CBV	1	PASI-A
		SM 6200B	PM1	64	PASI-C

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville
PASI-C = Pace Analytical Services - Charlotte

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ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92564844

Sample: 13800_HC_RD_20211005 **Lab ID: 92564844001** Collected: 10/05/21 09:45 Received: 10/05/21 13:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
MADEPV	Analytical Method: MADEP VPH Preparation Method: MADEPV Pace National - Mt. Juliet								
Aliphatic (C05-C08)	ND	ug/L	100	33.3	1	10/19/21 18:08	10/19/21 18:08		
Aliphatic (C05-C08)	ND	ug/L	100	33.3	1	10/20/21 19:00	10/20/21 19:00		H3
Aliphatic (C09-C12)	**33.5J**	ug/L	100	33.3	1	10/19/21 18:08	10/19/21 18:08		J
Aliphatic (C09-C12)	ND	ug/L	100	33.3	1	10/20/21 19:00	10/20/21 19:00		H3
Aromatic (C09-C10),Unadjusted	ND	ug/L	100	33.3	1	10/19/21 18:08	10/19/21 18:08	TPHC9C10A	
Aromatic (C09-C10),Unadjusted	ND	ug/L	100	33.3	1	10/20/21 19:00	10/20/21 19:00	TPHC9C10A	H3
Total VPH	**33.5J**	ug/L	100	33.3	1	10/19/21 18:08	10/19/21 18:08	VPH	J
Total VPH	ND	ug/L	100	33.3	1	10/20/21 19:00	10/20/21 19:00	VPH	H3
Surrogates									
2,5-Dibromotoluene (FID)	102	%	70.0-130		1	10/19/21 18:08	10/19/21 18:08	615-59-8FID	
2,5-Dibromotoluene (FID)	104	%	70.0-130		1	10/20/21 19:00	10/20/21 19:00	615-59-8FID	
2,5-Dibromotoluene (PID)	104	%	70.0-130		1	10/19/21 18:08	10/19/21 18:08	615-59-8PID	
2,5-Dibromotoluene (PID)	105	%	70.0-130		1	10/20/21 19:00	10/20/21 19:00	615-59-8PID	
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/06/21 10:21	10/07/21 02:41	7439-92-1	
6200B MSV	Analytical Method: SM 6200B Pace Analytical Services - Charlotte								
Benzene	ND	ug/L	0.50	0.34	1		10/06/21 20:57	71-43-2	
Bromobenzene	ND	ug/L	0.50	0.29	1		10/06/21 20:57	108-86-1	
Bromochloromethane	ND	ug/L	0.50	0.47	1		10/06/21 20:57	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	0.31	1		10/06/21 20:57	75-27-4	
Bromoform	ND	ug/L	0.50	0.34	1		10/06/21 20:57	75-25-2	
Bromomethane	ND	ug/L	5.0	1.7	1		10/06/21 20:57	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	0.49	1		10/06/21 20:57	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	0.40	1		10/06/21 20:57	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	0.32	1		10/06/21 20:57	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	0.33	1		10/06/21 20:57	56-23-5	
Chlorobenzene	ND	ug/L	0.50	0.28	1		10/06/21 20:57	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/06/21 20:57	75-00-3	
Chloroform	ND	ug/L	0.50	0.35	1		10/06/21 20:57	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/06/21 20:57	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	0.32	1		10/06/21 20:57	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	0.32	1		10/06/21 20:57	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.34	1		10/06/21 20:57	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	0.36	1		10/06/21 20:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	0.27	1		10/06/21 20:57	106-93-4	
Dibromomethane	ND	ug/L	0.50	0.39	1		10/06/21 20:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	0.34	1		10/06/21 20:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	0.34	1		10/06/21 20:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	0.33	1		10/06/21 20:57	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	0.35	1		10/06/21 20:57	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	0.37	1		10/06/21 20:57	75-34-3	

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ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92564844

Sample: 13800_HC_RD_20211005 **Lab ID: 92564844001** Collected: 10/05/21 09:45 Received: 10/05/21 13:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B Pace Analytical Services - Charlotte								
1,2-Dichloroethane	ND	ug/L	0.50	0.32	1		10/06/21 20:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	0.35	1		10/06/21 20:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	0.38	1		10/06/21 20:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.40	1		10/06/21 20:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	0.36	1		10/06/21 20:57	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	0.28	1		10/06/21 20:57	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	0.39	1		10/06/21 20:57	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	0.43	1		10/06/21 20:57	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.36	1		10/06/21 20:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.36	1		10/06/21 20:57	10061-02-6	
Diisopropyl ether	ND	ug/L	0.50	0.31	1		10/06/21 20:57	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/06/21 20:57	64-17-5	
Ethylbenzene	ND	ug/L	0.50	0.30	1		10/06/21 20:57	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/06/21 20:57	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	0.33	1		10/06/21 20:57	98-82-8	
Methylene Chloride	ND	ug/L	2.0	2.0	1		10/06/21 20:57	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	0.50	0.42	1		10/06/21 20:57	1634-04-4	
Naphthalene	ND	ug/L	2.0	0.64	1		10/06/21 20:57	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	0.34	1		10/06/21 20:57	103-65-1	
Styrene	ND	ug/L	0.50	0.29	1		10/06/21 20:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.31	1		10/06/21 20:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.22	1		10/06/21 20:57	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	0.29	1		10/06/21 20:57	127-18-4	
Toluene	ND	ug/L	0.50	0.48	1		10/06/21 20:57	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	0.81	1		10/06/21 20:57	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	0.64	1		10/06/21 20:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	0.33	1		10/06/21 20:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	0.32	1		10/06/21 20:57	79-00-5	
Trichloroethene	ND	ug/L	0.50	0.38	1		10/06/21 20:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/06/21 20:57	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	0.26	1		10/06/21 20:57	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.50	1		10/06/21 20:57	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.33	1		10/06/21 20:57	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/06/21 20:57	75-01-4	
m&p-Xylene	ND	ug/L	1.0	0.71	1		10/06/21 20:57	179601-23-1	
o-Xylene	ND	ug/L	0.50	0.34	1		10/06/21 20:57	95-47-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		10/06/21 20:57	17060-07-0	
4-Bromofluorobenzene (S)	99	%	70-130		1		10/06/21 20:57	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		10/06/21 20:57	2037-26-5	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92564844

QC Batch: 1759327
QC Batch Method: MADEPV
Analysis Method: MADEP VPH
Analysis Description: MADEPV
Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 92564844001

METHOD BLANK: R3718708-3 Matrix: Water
Associated Lab Samples: 92564844001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (C05-C08)	ug/L	ND	100	33.3	10/19/21 10:56	
Aliphatic (C09-C12)	ug/L	ND	100	33.3	10/19/21 10:56	
Aromatic (C09-C10),Unadjusted	ug/L	ND	100	33.3	10/19/21 10:56	
Total VPH	ug/L	ND	100	33.3	10/19/21 10:56	
2,5-Dibromotoluene (FID)	%	89.1	70.0-130		10/19/21 10:56	
2,5-Dibromotoluene (PID)	%	91.2	70.0-130		10/19/21 10:56	

LABORATORY CONTROL SAMPLE & LCSD: R3718708-1 R3718708-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	ug/L	1200	1140	1090	95.0	90.8	70.0-130	4.48	25	
Aliphatic (C09-C12)	ug/L	1400	1430	1380	102	98.6	70.0-130	3.56	25	
Aromatic (C09-C10),Unadjusted	ug/L	200	200	197	100	98.5	70.0-130	1.51	25	
Total VPH	ug/L	2800	2770	2670	98.9	95.4	70.0-130	3.68	25	
2,5-Dibromotoluene (FID)	%				97.6	99.0	70.0-130			
2,5-Dibromotoluene (PID)	%				98.3	100	70.0-130			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3718708-5 R3718708-6

Parameter	Units	L1414817-04 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aliphatic (C05-C08)	ug/L	77.8	1200	1200	1180	1140	91.8	88.5	70.0-130	3.45	25	
Aliphatic (C09-C12)	ug/L	ND	1400	1400	1460	1430	104	102	70.0-130	2.08	25	
Aromatic (C09-C10),Unadjusted	ug/L	50.1	200	200	221	220	85.4	84.9	70.0-130	0.454	25	
Total VPH	ug/L	128	2800	2800	2860	2790	97.6	95.1	70.0-130	2.48	25	
2,5-Dibromotoluene (FID)	%						102	100	70.0-130			
2,5-Dibromotoluene (PID)	%						106	104	70.0-130			

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92564844

QC Batch: 1759327
QC Batch Method: KS LRH/MADEPV/MTDEQ VPH/VPH
Analysis Method: MADEP VPH
Analysis Description: MADEPV
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92564844001

METHOD BLANK: R3718708-3 Matrix: Water
Associated Lab Samples: 92564844001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (C05-C08)	ug/L	ND	100	33.3	10/19/21 10:56	
Aliphatic (C09-C12)	ug/L	ND	100	33.3	10/19/21 10:56	
Aromatic (C09-C10),Unadjusted	ug/L	ND	100	33.3	10/19/21 10:56	
Total VPH	ug/L	ND	100	33.3	10/19/21 10:56	
2,5-Dibromotoluene (FID)	%	89.1	70.0-130		10/19/21 10:56	
2,5-Dibromotoluene (PID)	%	91.2	70.0-130		10/19/21 10:56	

LABORATORY CONTROL SAMPLE & LCSD: R3718708-1 R3718708-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	ug/L	1200	1140	1090	95.0	90.8	70.0-130	4.48	25	
Aliphatic (C09-C12)	ug/L	1400	1430	1380	102	98.6	70.0-130	3.56	25	
Aromatic (C09-C10),Unadjusted	ug/L	200	200	197	100	98.5	70.0-130	1.51	25	
Total VPH	ug/L	2800	2770	2670	98.9	95.4	70.0-130	3.68	25	
2,5-Dibromotoluene (FID)	%				97.6	99.0	70.0-130			
2,5-Dibromotoluene (PID)	%				98.3	100	70.0-130			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3718708-5 R3718708-6

Parameter	Units	L1414817-04 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aliphatic (C05-C08)	ug/L	77.8	1200	1200	1180	1140	91.8	88.5	70.0-130	3.45	25	
Aliphatic (C09-C12)	ug/L	ND	1400	1400	1460	1430	104	102	70.0-130	2.08	25	
Aromatic (C09-C10),Unadjusted	ug/L	50.1	200	200	221	220	85.4	84.9	70.0-130	0.454	25	
Total VPH	ug/L	128	2800	2800	2860	2790	97.6	95.1	70.0-130	2.48	25	
2,5-Dibromotoluene (FID)	%						102	100	70.0-130			
2,5-Dibromotoluene (PID)	%						106	104	70.0-130			

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92564844

QC Batch: 1760577
QC Batch Method: KS LRH/MADEPV/MTDEQ VPH/VPH
Analysis Method: MADEP VPH
Analysis Description: MADEPV
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92564844001

METHOD BLANK: R3719204-3 Matrix: Water
Associated Lab Samples: 92564844001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (C05-C08)	ug/L	ND	100	33.3	10/20/21 05:45	
Aliphatic (C09-C12)	ug/L	ND	100	33.3	10/20/21 05:45	
Aromatic (C09-C10),Unadjusted	ug/L	ND	100	33.3	10/20/21 05:45	
Total VPH	ug/L	ND	100	33.3	10/20/21 05:45	
2,5-Dibromotoluene (FID)	%	101	70.0-130		10/20/21 05:45	
2,5-Dibromotoluene (PID)	%	100	70.0-130		10/20/21 05:45	

LABORATORY CONTROL SAMPLE & LCSD: R3719204-1 R3719204-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	ug/L	1200	1010	1020	84.2	85.0	70.0-130	0.985	25	
Aliphatic (C09-C12)	ug/L	1400	1290	1290	92.1	92.1	70.0-130	0.00	25	
Aromatic (C09-C10),Unadjusted	ug/L	200	182	181	91.0	90.5	70.0-130	0.551	25	
Total VPH	ug/L	2800	2480	2490	88.6	88.9	70.0-130	0.402	25	
2,5-Dibromotoluene (FID)	%				102	103	70.0-130			
2,5-Dibromotoluene (PID)	%				102	102	70.0-130			

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92564844

QC Batch: 651064
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92564844001

METHOD BLANK: 3414370 Matrix: Water
Associated Lab Samples: 92564844001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	4.5	10/07/21 01:11	

LABORATORY CONTROL SAMPLE: 3414371

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	556	111	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3414530 3414531

Parameter	Units	92564868001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	383	425	77	85	75-125	10	20	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92564844

QC Batch: 651254
QC Batch Method: SM 6200B
Analysis Method: SM 6200B
Analysis Description: 6200B MSV
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92564844001

METHOD BLANK: 3415467 Matrix: Water
Associated Lab Samples: 92564844001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	0.50	0.31	10/06/21 15:17	
1,1,1-Trichloroethane	ug/L	ND	0.50	0.33	10/06/21 15:17	
1,1,2,2-Tetrachloroethane	ug/L	ND	0.50	0.22	10/06/21 15:17	
1,1,2-Trichloroethane	ug/L	ND	0.50	0.32	10/06/21 15:17	
1,1-Dichloroethane	ug/L	ND	0.50	0.37	10/06/21 15:17	
1,1-Dichloroethene	ug/L	ND	0.50	0.35	10/06/21 15:17	
1,1-Dichloropropene	ug/L	ND	0.50	0.43	10/06/21 15:17	
1,2,3-Trichlorobenzene	ug/L	ND	2.0	0.81	10/06/21 15:17	
1,2,3-Trichloropropane	ug/L	ND	0.50	0.26	10/06/21 15:17	
1,2,4-Trichlorobenzene	ug/L	ND	2.0	0.64	10/06/21 15:17	
1,2,4-Trimethylbenzene	ug/L	ND	0.50	0.50	10/06/21 15:17	
1,2-Dibromo-3-chloropropane	ug/L	ND	1.0	0.34	10/06/21 15:17	
1,2-Dibromoethane (EDB)	ug/L	ND	0.50	0.27	10/06/21 15:17	
1,2-Dichlorobenzene	ug/L	ND	0.50	0.34	10/06/21 15:17	
1,2-Dichloroethane	ug/L	ND	0.50	0.32	10/06/21 15:17	
1,2-Dichloropropane	ug/L	ND	0.50	0.36	10/06/21 15:17	
1,3,5-Trimethylbenzene	ug/L	ND	0.50	0.33	10/06/21 15:17	
1,3-Dichlorobenzene	ug/L	ND	0.50	0.34	10/06/21 15:17	
1,3-Dichloropropane	ug/L	ND	0.50	0.28	10/06/21 15:17	
1,4-Dichlorobenzene	ug/L	ND	0.50	0.33	10/06/21 15:17	
2,2-Dichloropropane	ug/L	ND	0.50	0.39	10/06/21 15:17	
2-Chlorotoluene	ug/L	ND	0.50	0.32	10/06/21 15:17	
4-Chlorotoluene	ug/L	ND	0.50	0.32	10/06/21 15:17	
Benzene	ug/L	ND	0.50	0.34	10/06/21 15:17	
Bromobenzene	ug/L	ND	0.50	0.29	10/06/21 15:17	
Bromochloromethane	ug/L	ND	0.50	0.47	10/06/21 15:17	
Bromodichloromethane	ug/L	ND	0.50	0.31	10/06/21 15:17	
Bromoform	ug/L	ND	0.50	0.34	10/06/21 15:17	
Bromomethane	ug/L	ND	5.0	1.7	10/06/21 15:17	
Carbon tetrachloride	ug/L	ND	0.50	0.33	10/06/21 15:17	
Chlorobenzene	ug/L	ND	0.50	0.28	10/06/21 15:17	
Chloroethane	ug/L	ND	1.0	0.65	10/06/21 15:17	
Chloroform	ug/L	ND	0.50	0.35	10/06/21 15:17	
Chloromethane	ug/L	ND	1.0	0.54	10/06/21 15:17	
cis-1,2-Dichloroethene	ug/L	ND	0.50	0.38	10/06/21 15:17	
cis-1,3-Dichloropropene	ug/L	ND	0.50	0.36	10/06/21 15:17	
Dibromochloromethane	ug/L	ND	0.50	0.36	10/06/21 15:17	
Dibromomethane	ug/L	ND	0.50	0.39	10/06/21 15:17	
Dichlorodifluoromethane	ug/L	ND	0.50	0.35	10/06/21 15:17	
Diisopropyl ether	ug/L	ND	0.50	0.31	10/06/21 15:17	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92564844

METHOD BLANK: 3415467 Matrix: Water
Associated Lab Samples: 92564844001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Ethanol	ug/L	ND	200	72.2	10/06/21 15:17	
Ethylbenzene	ug/L	ND	0.50	0.30	10/06/21 15:17	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	1.5	10/06/21 15:17	
Isopropylbenzene (Cumene)	ug/L	ND	0.50	0.33	10/06/21 15:17	
m&p-Xylene	ug/L	ND	1.0	0.71	10/06/21 15:17	
Methyl-tert-butyl ether	ug/L	ND	0.50	0.42	10/06/21 15:17	
Methylene Chloride	ug/L	ND	2.0	2.0	10/06/21 15:17	
n-Butylbenzene	ug/L	ND	0.50	0.49	10/06/21 15:17	
n-Propylbenzene	ug/L	ND	0.50	0.34	10/06/21 15:17	
Naphthalene	ug/L	ND	2.0	0.64	10/06/21 15:17	
o-Xylene	ug/L	ND	0.50	0.34	10/06/21 15:17	
sec-Butylbenzene	ug/L	ND	0.50	0.40	10/06/21 15:17	
Styrene	ug/L	ND	0.50	0.29	10/06/21 15:17	
tert-Butylbenzene	ug/L	ND	0.50	0.32	10/06/21 15:17	
Tetrachloroethene	ug/L	ND	0.50	0.29	10/06/21 15:17	
Toluene	ug/L	ND	0.50	0.48	10/06/21 15:17	
trans-1,2-Dichloroethene	ug/L	ND	0.50	0.40	10/06/21 15:17	
trans-1,3-Dichloropropene	ug/L	ND	0.50	0.36	10/06/21 15:17	
Trichloroethene	ug/L	ND	0.50	0.38	10/06/21 15:17	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	10/06/21 15:17	
Vinyl chloride	ug/L	ND	1.0	0.39	10/06/21 15:17	
1,2-Dichloroethane-d4 (S)	%	96	70-130		10/06/21 15:17	
4-Bromofluorobenzene (S)	%	96	70-130		10/06/21 15:17	
Toluene-d8 (S)	%	98	70-130		10/06/21 15:17	

LABORATORY CONTROL SAMPLE: 3415468

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	54.7	109	60-140	
1,1,1-Trichloroethane	ug/L	50	49.5	99	60-140	
1,1,2,2-Tetrachloroethane	ug/L	50	50.3	101	60-140	
1,1,2-Trichloroethane	ug/L	50	50.4	101	60-140	
1,1-Dichloroethane	ug/L	50	48.1	96	60-140	
1,1-Dichloroethene	ug/L	50	47.3	95	60-140	
1,1-Dichloropropene	ug/L	50	51.8	104	60-140	
1,2,3-Trichlorobenzene	ug/L	50	58.2	116	60-140	
1,2,3-Trichloropropane	ug/L	50	52.6	105	60-140	
1,2,4-Trichlorobenzene	ug/L	50	55.3	111	60-140	
1,2,4-Trimethylbenzene	ug/L	50	53.1	106	60-140	
1,2-Dibromo-3-chloropropane	ug/L	50	53.5	107	60-140	
1,2-Dibromoethane (EDB)	ug/L	50	52.3	105	60-140	
1,2-Dichlorobenzene	ug/L	50	52.3	105	60-140	
1,2-Dichloroethane	ug/L	50	46.9	94	60-140	
1,2-Dichloropropane	ug/L	50	50.8	102	60-140	

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92564844

LABORATORY CONTROL SAMPLE: 3415468

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3,5-Trimethylbenzene	ug/L	50	54.6	109	60-140	
1,3-Dichlorobenzene	ug/L	50	53.5	107	60-140	
1,3-Dichloropropane	ug/L	50	52.5	105	60-140	
1,4-Dichlorobenzene	ug/L	50	52.5	105	60-140	
2,2-Dichloropropane	ug/L	50	48.7	97	60-140	
2-Chlorotoluene	ug/L	50	52.2	104	60-140	
4-Chlorotoluene	ug/L	50	51.1	102	60-140	
Benzene	ug/L	50	50.4	101	60-140	
Bromobenzene	ug/L	50	53.0	106	60-140	
Bromochloromethane	ug/L	50	48.1	96	60-140	
Bromodichloromethane	ug/L	50	50.0	100	60-140	
Bromoform	ug/L	50	54.1	108	60-140	
Bromomethane	ug/L	50	46.6	93	60-140	
Carbon tetrachloride	ug/L	50	53.1	106	60-140	
Chlorobenzene	ug/L	50	51.9	104	60-140	
Chloroethane	ug/L	50	55.4	111	60-140	
Chloroform	ug/L	50	47.9	96	60-140	
Chloromethane	ug/L	50	41.9	84	60-140	
cis-1,2-Dichloroethene	ug/L	50	45.5	91	60-140	
cis-1,3-Dichloropropene	ug/L	50	51.7	103	60-140	
Dibromochloromethane	ug/L	50	55.0	110	60-140	
Dibromomethane	ug/L	50	50.8	102	60-140	
Dichlorodifluoromethane	ug/L	50	47.2	94	60-140	
Diisopropyl ether	ug/L	50	49.5	99	60-140	
Ethanol	ug/L	2000	1860	93	60-140	
Ethylbenzene	ug/L	50	51.8	104	60-140	
Hexachloro-1,3-butadiene	ug/L	50	55.2	110	60-140	
Isopropylbenzene (Cumene)	ug/L	50	56.1	112	60-140	
m&p-Xylene	ug/L	100	106	106	60-140	
Methyl-tert-butyl ether	ug/L	50	52.0	104	60-140	
Methylene Chloride	ug/L	50	48.8	98	60-140	
n-Butylbenzene	ug/L	50	55.0	110	60-140	
n-Propylbenzene	ug/L	50	52.9	106	60-140	
Naphthalene	ug/L	50	54.5	109	60-140	
o-Xylene	ug/L	50	54.6	109	60-140	
sec-Butylbenzene	ug/L	50	54.3	109	60-140	
Styrene	ug/L	50	54.3	109	60-140	
tert-Butylbenzene	ug/L	50	45.0	90	60-140	
Tetrachloroethene	ug/L	50	55.0	110	60-140	
Toluene	ug/L	50	47.6	95	60-140	
trans-1,2-Dichloroethene	ug/L	50	48.1	96	60-140	
trans-1,3-Dichloropropene	ug/L	50	50.9	102	60-140	
Trichloroethene	ug/L	50	47.7	95	60-140	
Trichlorofluoromethane	ug/L	50	44.8	90	60-140	
Vinyl chloride	ug/L	50	44.0	88	60-140	
1,2-Dichloroethane-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92564844

LABORATORY CONTROL SAMPLE: 3415468

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene-d8 (S)	%			94	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3415469 3415470

Parameter	Units	92564595005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	200	200	291	244	145	122	60-140	17	30	M1
1,1,1-Trichloroethane	ug/L	ND	200	200	292	237	146	119	60-140	20	30	M1
1,1,2,2-Tetrachloroethane	ug/L	ND	200	200	262	221	131	111	60-140	17	30	
1,1,2-Trichloroethane	ug/L	ND	200	200	268	221	134	110	60-140	19	30	
1,1-Dichloroethane	ug/L	ND	200	200	272	223	136	111	60-140	20	30	
1,1-Dichloroethene	ug/L	ND	200	200	273	227	137	113	60-140	19	30	
1,1-Dichloropropene	ug/L	ND	200	200	291	244	145	122	60-140	17	30	M1
1,2,3-Trichlorobenzene	ug/L	ND	200	200	297	251	148	126	60-140	17	30	M1
1,2,3-Trichloropropane	ug/L	ND	200	200	251	208	125	104	60-140	19	30	
1,2,4-Trichlorobenzene	ug/L	ND	200	200	274	245	137	123	60-140	11	30	
1,2,4-Trimethylbenzene	ug/L	65.0	200	200	365	317	150	126	60-140	14	30	M1
1,2-Dibromo-3-chloropropane	ug/L	ND	200	200	268	233	134	117	60-140	14	30	
1,2-Dibromoethane (EDB)	ug/L	ND	200	200	283	239	142	120	60-140	17	30	M1
1,2-Dichlorobenzene	ug/L	ND	200	200	276	240	138	120	60-140	14	30	
1,2-Dichloroethane	ug/L	61.4	200	200	331	267	135	103	60-140	21	30	
1,2-Dichloropropane	ug/L	ND	200	200	287	231	143	116	60-140	21	30	M1
1,3,5-Trimethylbenzene	ug/L	19.1	200	200	308	270	144	126	60-140	13	30	M1
1,3-Dichlorobenzene	ug/L	ND	200	200	287	254	144	127	60-140	12	30	M1
1,3-Dichloropropane	ug/L	ND	200	200	278	237	139	119	60-140	16	30	
1,4-Dichlorobenzene	ug/L	ND	200	200	277	234	139	117	60-140	17	30	
2,2-Dichloropropane	ug/L	ND	200	200	274	225	137	112	60-140	20	30	
2-Chlorotoluene	ug/L	ND	200	200	294	256	147	128	60-140	14	30	M1
4-Chlorotoluene	ug/L	ND	200	200	273	233	136	117	60-140	16	30	
Benzene	ug/L	136	200	200	425	375	145	120	60-140	13	30	M1
Bromobenzene	ug/L	ND	200	200	289	248	144	124	60-140	15	30	M1
Bromochloromethane	ug/L	ND	200	200	275	219	137	110	60-140	23	30	
Bromodichloromethane	ug/L	ND	200	200	270	225	135	112	60-140	18	30	
Bromoform	ug/L	ND	200	200	263	218	132	109	60-140	19	30	
Bromomethane	ug/L	ND	200	200	250	223	125	111	60-140	12	30	
Carbon tetrachloride	ug/L	ND	200	200	297	245	148	123	60-140	19	30	M1
Chlorobenzene	ug/L	ND	200	200	287	240	143	120	60-140	18	30	M1
Chloroethane	ug/L	ND	200	200	346	277	173	139	60-140	22	30	M1
Chloroform	ug/L	ND	200	200	274	215	137	107	60-140	24	30	
Chloromethane	ug/L	ND	200	200	233	197	116	99	60-140	16	30	
cis-1,2-Dichloroethene	ug/L	ND	200	200	259	213	130	107	60-140	19	30	
cis-1,3-Dichloropropene	ug/L	ND	200	200	264	220	132	110	60-140	18	30	
Dibromochloromethane	ug/L	ND	200	200	282	237	141	119	60-140	17	30	M1
Dibromomethane	ug/L	ND	200	200	282	226	141	113	60-140	22	30	M1

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(704)875-9092

QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92564844

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3415469 3415470

Parameter	Units	92564595005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dichlorodifluoromethane	ug/L	ND	200	200	248	217	124	108	60-140	14	30	
Diisopropyl ether	ug/L	432	200	200	730	673	149	121	60-140	8	30	M1
Ethanol	ug/L	ND	8000	8000	9640	8070	120	101	60-140	18	30	
Ethylbenzene	ug/L	52.2	200	200	346	298	147	123	60-140	15	30	M1
Hexachloro-1,3-butadiene	ug/L	ND	200	200	288	251	144	126	60-140	14	30	M1
Isopropylbenzene (Cumene)	ug/L	ND	200	200	310	267	155	133	60-140	15	30	M1
m&p-Xylene	ug/L	189	400	400	788	694	150	126	60-140	13	30	M1
Methyl-tert-butyl ether	ug/L	1540	200	200	1980	1890	217	172	60-140	5	30	M1
Methylene Chloride	ug/L	ND	200	200	273	222	137	111	60-140	21	30	
n-Butylbenzene	ug/L	5.3	200	200	288	258	141	126	60-140	11	30	M1
n-Propylbenzene	ug/L	11.6	200	200	299	256	144	122	60-140	16	30	M1
Naphthalene	ug/L	ND	200	200	290	256	141	124	60-140	12	30	M1
o-Xylene	ug/L	73.6	200	200	371	327	149	127	60-140	13	30	M1
sec-Butylbenzene	ug/L	ND	200	200	299	256	150	128	60-140	16	30	M1
Styrene	ug/L	ND	200	200	291	248	145	124	60-140	16	30	M1
tert-Butylbenzene	ug/L	ND	200	200	250	212	125	106	60-140	16	30	
Tetrachloroethene	ug/L	ND	200	200	299	260	150	130	60-140	14	30	M1
Toluene	ug/L	362	200	200	618	574	128	106	60-140	7	30	
trans-1,2-Dichloroethene	ug/L	ND	200	200	275	228	137	114	60-140	18	30	
trans-1,3-Dichloropropene	ug/L	ND	200	200	257	216	128	108	60-140	17	30	
Trichloroethene	ug/L	ND	200	200	263	220	132	110	60-140	18	30	
Trichlorofluoromethane	ug/L	ND	200	200	243	201	122	100	60-140	19	30	
Vinyl chloride	ug/L	ND	200	200	254	209	127	104	60-140	19	30	
1,2-Dichloroethane-d4 (S)	%						99	98	70-130			
4-Bromofluorobenzene (S)	%						98	99	70-130			
Toluene-d8 (S)	%						94	93	70-130			

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(704)875-9092

QUALIFIERS

Project: 2020-L1-2448
Pace Project No.: 92564844

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 92564844

[1]

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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Huntersville, NC 28078
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2020-L1-2448
Pace Project No.: 92564844

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92564844001	**13800_HC_RD_20211005**	MADEPV	1759327	MADEP VPH	1759327
92564844001	**13800_HC_RD_20211005**	MADEPV	1760577	MADEP VPH	1760577
92564844001	**13800_HC_RD_20211005**	EPA 3010A	651064	EPA 6010D	651239
92564844001	**13800_HC_RD_20211005**	SM 6200B	651254		

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

WO# : 92564844

92564844

LAB | r Number or

Company: Apex Companies	Billing Information:
Address:	
Report To: Andrew Street	Email To: andrew.street@apexcos.com
Copy To:	Site Collection Info/Address: 13900 Huntersville Concord Rd.
Customer Project Name/Number: 2020-11-2448	State: NC County/City: Huntersville Time Zone Collected: [ ]PT [ ]MT [ ]CT [ ]ET
Phone: Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Matt Teixeira	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: ASAP Immediately Packed on Ice: [ ] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

Container Preservative Type **

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: VOCs 6200B	Analyses: MADEP VPH	Analyses: Lead	Lab Sample # / Comments
13800_HG_RD	DW	G	10-5-21	0945				8	X	X	X	92564844 001
									~~X~~	~~X~~	X	

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y (N) NA
Custody Signatures Present	(Y) N NA
Collector Signature Present	(Y) N NA
Bottles Intact	(Y) N NA
Correct Bottles	(Y) N NA
Sufficient Volume	(Y) N NA
Samples Received on Ice	(Y) N NA
VOA - Headspace Acceptable	(Y) N NA
USDA Regulated Soils	Y N (NA)
Samples in Holding Time	(Y) N NA
Residual Chlorine Present	Y N (NA)
Cl Strips:	
Sample pH Acceptable	(Y) N NA
pH Strips: 223819AU	
Sulfide Present	Y N (NA)
Lead Acetate Strips:	

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: (Wet) Blue Dry None

Packing Material Used: bubble bags

Radchem sample(s) screened (<500 cpm): Y N (NA)

SHORT HOLDS PRESENT (<72 hours): Y (N) N/A

Lab Tracking #: 2632792

Samples received via: FEDEX UPS (Client) Courier Pace Courier

Lab Sample Temperature Info:

Temp Blank Received: Y (N) NA

Therm ID#: 92100641

Cooler 1 Temp Upon Receipt: 1.6 oC

Cooler 1 Therm Corr. Factor: 0 oC

Cooler 1 Corrected Temp: 1.6 oC

Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Matt Teixeira / Apex	10/05/21 1320	Pace MT	10-5-21 13:20
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY

Table #:

Acctnum:

Template:

Prelogin:

PM:

PB:

Trip Blank Received: Y (N) NA

HCL MeOH TSP Other

Non Conformance(s): YES / (NO)

Page: _____ of: _____

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 28, 2021

Andrew Street
Apex Companies - NC
5900 Northwoods Business Pkwy
Suite 5900-0
Charlotte, NC 28269

RE: Project: 2020-L1-2448
Pace Project No.: 92564847

Dear Andrew Street:

Enclosed are the analytical results for sample(s) received by the laboratory on October 05, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte

The VPH for samples 001 and 002 were re-analyzed out of hold, per client request.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angela M. Baioni

Angela Baioni
angela.baioni@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: J Culbreath, Colonial Pipeline Company
Naomi Fretz, APEX Companies, LLC
Robert Hughes, Colonial Pipeline
Cameron Lee, Montrose-EPS
Jamie Moran, APEX Companies, LLC
Jeff Morrison, Colonial Pipeline Company
Tom Naumann, APEX Companies - NC
Joe Nicolette, Montrose-EPS
Kaitlyn Nootens, Apex Companies
Christopher Schultz, Apex Companies
Matt Teixeira, Apex Companies, LLC
Michael Verdon, Colonial Pipeline Company
JM Wyatt, Colonial Pipeline Company

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CERTIFICATIONS

Project: 2020-L1-2448
Pace Project No.: 92564847

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Charlotte

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 2020-L1-2448
Pace Project No.: 92564847

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92564847001	**DUP-1**	Water	10/05/21 00:00	10/05/21 13:20
92564847002	**FB-1**	Water	10/05/21 00:00	10/05/21 13:20
92564847003	**TRIP BLANK**	Water	10/05/21 00:00	10/05/21 13:20

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SAMPLE ANALYTE COUNT

Project: 2020-L1-2448
Pace Project No.: 92564847

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92564847001	**DUP-1**	MADEP VPH	ADM, BMB	6	PAN
		EPA 6010D	CBV	1	PASI-A
		SM 6200B	PM1	64	PASI-C
92564847002	**FB-1**	MADEP VPH	ADM, BMB	6	PAN
		EPA 6010D	CBV	1	PASI-A
		SM 6200B	PM1	64	PASI-C
92564847003	**TRIP BLANK**	SM 6200B	PM1	64	PASI-C

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville
PASI-C = Pace Analytical Services - Charlotte

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ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92564847

Sample: DUP-1 **Lab ID: 92564847001** Collected: 10/05/21 00:00 Received: 10/05/21 13:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
MADEPV	Analytical Method: MADEP VPH Preparation Method: MADEPV Pace National - Mt. Juliet								
Aliphatic (C05-C08)	ND	ug/L	100	33.3	1	10/19/21 17:01	10/19/21 17:01		
Aliphatic (C05-C08)	ND	ug/L	100	33.3	1	10/20/21 18:27	10/20/21 18:27		H3
Aliphatic (C09-C12)	ND	ug/L	100	33.3	1	10/19/21 17:01	10/19/21 17:01		
Aliphatic (C09-C12)	ND	ug/L	100	33.3	1	10/20/21 18:27	10/20/21 18:27		H3
Aromatic (C09-C10),Unadjusted	**41.3J**	ug/L	100	33.3	1	10/19/21 17:01	10/19/21 17:01	TPHC9C10A	J
Aromatic (C09-C10),Unadjusted	ND	ug/L	100	33.3	1	10/20/21 18:27	10/20/21 18:27	TPHC9C10A	H3
Total VPH	**41.3J**	ug/L	100	33.3	1	10/19/21 17:01	10/19/21 17:01	VPH	J
Total VPH	ND	ug/L	100	33.3	1	10/20/21 18:27	10/20/21 18:27	VPH	H3
Surrogates									
2,5-Dibromotoluene (FID)	98.2	%	70.0-130		1	10/19/21 17:01	10/19/21 17:01	615-59-8FID	
2,5-Dibromotoluene (FID)	103	%	70.0-130		1	10/20/21 18:27	10/20/21 18:27	615-59-8FID	
2,5-Dibromotoluene (PID)	101	%	70.0-130		1	10/19/21 17:01	10/19/21 17:01	615-59-8PID	
2,5-Dibromotoluene (PID)	105	%	70.0-130		1	10/20/21 18:27	10/20/21 18:27	615-59-8PID	
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/06/21 10:21	10/07/21 02:44	7439-92-1	
6200B MSV	Analytical Method: SM 6200B Pace Analytical Services - Charlotte								
Benzene	ND	ug/L	0.50	0.34	1		10/06/21 22:27	71-43-2	
Bromobenzene	ND	ug/L	0.50	0.29	1		10/06/21 22:27	108-86-1	
Bromochloromethane	ND	ug/L	0.50	0.47	1		10/06/21 22:27	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	0.31	1		10/06/21 22:27	75-27-4	
Bromoform	ND	ug/L	0.50	0.34	1		10/06/21 22:27	75-25-2	
Bromomethane	ND	ug/L	5.0	1.7	1		10/06/21 22:27	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	0.49	1		10/06/21 22:27	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	0.40	1		10/06/21 22:27	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	0.32	1		10/06/21 22:27	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	0.33	1		10/06/21 22:27	56-23-5	
Chlorobenzene	ND	ug/L	0.50	0.28	1		10/06/21 22:27	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/06/21 22:27	75-00-3	
Chloroform	ND	ug/L	0.50	0.35	1		10/06/21 22:27	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/06/21 22:27	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	0.32	1		10/06/21 22:27	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	0.32	1		10/06/21 22:27	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.34	1		10/06/21 22:27	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	0.36	1		10/06/21 22:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	0.27	1		10/06/21 22:27	106-93-4	
Dibromomethane	ND	ug/L	0.50	0.39	1		10/06/21 22:27	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	0.34	1		10/06/21 22:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	0.34	1		10/06/21 22:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	0.33	1		10/06/21 22:27	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	0.35	1		10/06/21 22:27	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	0.37	1		10/06/21 22:27	75-34-3	

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ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92564847

Sample: DUP-1 **Lab ID: 92564847001** Collected: 10/05/21 00:00 Received: 10/05/21 13:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B Pace Analytical Services - Charlotte								
1,2-Dichloroethane	ND	ug/L	0.50	0.32	1		10/06/21 22:27	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	0.35	1		10/06/21 22:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	0.38	1		10/06/21 22:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.40	1		10/06/21 22:27	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	0.36	1		10/06/21 22:27	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	0.28	1		10/06/21 22:27	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	0.39	1		10/06/21 22:27	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	0.43	1		10/06/21 22:27	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.36	1		10/06/21 22:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.36	1		10/06/21 22:27	10061-02-6	
Diisopropyl ether	ND	ug/L	0.50	0.31	1		10/06/21 22:27	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/06/21 22:27	64-17-5	
Ethylbenzene	ND	ug/L	0.50	0.30	1		10/06/21 22:27	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/06/21 22:27	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	0.33	1		10/06/21 22:27	98-82-8	
Methylene Chloride	ND	ug/L	2.0	2.0	1		10/06/21 22:27	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	0.50	0.42	1		10/06/21 22:27	1634-04-4	
Naphthalene	ND	ug/L	2.0	0.64	1		10/06/21 22:27	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	0.34	1		10/06/21 22:27	103-65-1	
Styrene	ND	ug/L	0.50	0.29	1		10/06/21 22:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.31	1		10/06/21 22:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.22	1		10/06/21 22:27	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	0.29	1		10/06/21 22:27	127-18-4	
Toluene	ND	ug/L	0.50	0.48	1		10/06/21 22:27	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	0.81	1		10/06/21 22:27	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	0.64	1		10/06/21 22:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	0.33	1		10/06/21 22:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	0.32	1		10/06/21 22:27	79-00-5	
Trichloroethene	ND	ug/L	0.50	0.38	1		10/06/21 22:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/06/21 22:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	0.26	1		10/06/21 22:27	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.50	1		10/06/21 22:27	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.33	1		10/06/21 22:27	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/06/21 22:27	75-01-4	
m&p-Xylene	ND	ug/L	1.0	0.71	1		10/06/21 22:27	179601-23-1	
o-Xylene	ND	ug/L	0.50	0.34	1		10/06/21 22:27	95-47-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		10/06/21 22:27	17060-07-0	
4-Bromofluorobenzene (S)	95	%	70-130		1		10/06/21 22:27	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		10/06/21 22:27	2037-26-5	

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ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92564847

Sample: FB-1 **Lab ID: 92564847002** Collected: 10/05/21 00:00 Received: 10/05/21 13:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
MADEPV	Analytical Method: MADEP VPH Preparation Method: MADEPV Pace National - Mt. Juliet								
Aliphatic (C05-C08)	ND	ug/L	100	33.3	1	10/19/21 17:35	10/19/21 17:35		
Aliphatic (C05-C08)	ND	ug/L	100	33.3	1	10/20/21 17:54	10/20/21 17:54		H3
Aliphatic (C09-C12)	ND	ug/L	100	33.3	1	10/19/21 17:35	10/19/21 17:35		J
Aliphatic (C09-C12)	**38.4J**	ug/L	100	33.3	1	10/20/21 17:54	10/20/21 17:54		H3,J
Aromatic (C09-C10),Unadjusted	**37.1J**	ug/L	100	33.3	1	10/19/21 17:35	10/19/21 17:35	TPHC9C10A	J
Aromatic (C09-C10),Unadjusted	ND	ug/L	100	33.3	1	10/20/21 17:54	10/20/21 17:54	TPHC9C10A	H3
Total VPH	**37.1J**	ug/L	100	33.3	1	10/19/21 17:35	10/19/21 17:35	VPH	J
Total VPH	**38.4J**	ug/L	100	33.3	1	10/20/21 17:54	10/20/21 17:54	VPH	H3,J
Surrogates									
2,5-Dibromotoluene (FID)	98.4	%	70.0-130		1	10/19/21 17:35	10/19/21 17:35	615-59-8FID	
2,5-Dibromotoluene (FID)	103	%	70.0-130		1	10/20/21 17:54	10/20/21 17:54	615-59-8FID	
2,5-Dibromotoluene (PID)	101	%	70.0-130		1	10/19/21 17:35	10/19/21 17:35	615-59-8PID	
2,5-Dibromotoluene (PID)	104	%	70.0-130		1	10/20/21 17:54	10/20/21 17:54	615-59-8PID	
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Lead	ND	ug/L	5.0	4.5	1	10/06/21 10:21	10/07/21 17:50	7439-92-1	
6200B MSV	Analytical Method: SM 6200B Pace Analytical Services - Charlotte								
Benzene	ND	ug/L	0.50	0.34	1		10/06/21 19:46	71-43-2	
Bromobenzene	ND	ug/L	0.50	0.29	1		10/06/21 19:46	108-86-1	
Bromochloromethane	ND	ug/L	0.50	0.47	1		10/06/21 19:46	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	0.31	1		10/06/21 19:46	75-27-4	
Bromoform	ND	ug/L	0.50	0.34	1		10/06/21 19:46	75-25-2	
Bromomethane	ND	ug/L	5.0	1.7	1		10/06/21 19:46	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	0.49	1		10/06/21 19:46	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	0.40	1		10/06/21 19:46	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	0.32	1		10/06/21 19:46	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	0.33	1		10/06/21 19:46	56-23-5	
Chlorobenzene	ND	ug/L	0.50	0.28	1		10/06/21 19:46	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/06/21 19:46	75-00-3	
Chloroform	ND	ug/L	0.50	0.35	1		10/06/21 19:46	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/06/21 19:46	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	0.32	1		10/06/21 19:46	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	0.32	1		10/06/21 19:46	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.34	1		10/06/21 19:46	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	0.36	1		10/06/21 19:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	0.27	1		10/06/21 19:46	106-93-4	
Dibromomethane	ND	ug/L	0.50	0.39	1		10/06/21 19:46	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	0.34	1		10/06/21 19:46	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	0.34	1		10/06/21 19:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	0.33	1		10/06/21 19:46	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	0.35	1		10/06/21 19:46	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	0.37	1		10/06/21 19:46	75-34-3	

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ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92564847

Sample: FB-1 **Lab ID: 92564847002** Collected: 10/05/21 00:00 Received: 10/05/21 13:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B Pace Analytical Services - Charlotte								
1,2-Dichloroethane	ND	ug/L	0.50	0.32	1		10/06/21 19:46	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	0.35	1		10/06/21 19:46	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	0.38	1		10/06/21 19:46	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.40	1		10/06/21 19:46	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	0.36	1		10/06/21 19:46	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	0.28	1		10/06/21 19:46	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	0.39	1		10/06/21 19:46	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	0.43	1		10/06/21 19:46	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.36	1		10/06/21 19:46	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.36	1		10/06/21 19:46	10061-02-6	
Diisopropyl ether	ND	ug/L	0.50	0.31	1		10/06/21 19:46	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/06/21 19:46	64-17-5	
Ethylbenzene	ND	ug/L	0.50	0.30	1		10/06/21 19:46	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/06/21 19:46	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	0.33	1		10/06/21 19:46	98-82-8	
Methylene Chloride	ND	ug/L	2.0	2.0	1		10/06/21 19:46	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	0.50	0.42	1		10/06/21 19:46	1634-04-4	
Naphthalene	ND	ug/L	2.0	0.64	1		10/06/21 19:46	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	0.34	1		10/06/21 19:46	103-65-1	
Styrene	ND	ug/L	0.50	0.29	1		10/06/21 19:46	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.31	1		10/06/21 19:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.22	1		10/06/21 19:46	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	0.29	1		10/06/21 19:46	127-18-4	
Toluene	ND	ug/L	0.50	0.48	1		10/06/21 19:46	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	0.81	1		10/06/21 19:46	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	0.64	1		10/06/21 19:46	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	0.33	1		10/06/21 19:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	0.32	1		10/06/21 19:46	79-00-5	
Trichloroethene	ND	ug/L	0.50	0.38	1		10/06/21 19:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/06/21 19:46	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	0.26	1		10/06/21 19:46	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.50	1		10/06/21 19:46	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.33	1		10/06/21 19:46	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/06/21 19:46	75-01-4	
m&p-Xylene	ND	ug/L	1.0	0.71	1		10/06/21 19:46	179601-23-1	
o-Xylene	ND	ug/L	0.50	0.34	1		10/06/21 19:46	95-47-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	92	%	70-130		1		10/06/21 19:46	17060-07-0	
4-Bromofluorobenzene (S)	97	%	70-130		1		10/06/21 19:46	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		10/06/21 19:46	2037-26-5	

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ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92564847

Sample: TRIP BLANK **Lab ID: 92564847003** Collected: 10/05/21 00:00 Received: 10/05/21 13:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B Pace Analytical Services - Charlotte								
Benzene	ND	ug/L	0.50	0.34	1		10/06/21 19:10	71-43-2	
Bromobenzene	ND	ug/L	0.50	0.29	1		10/06/21 19:10	108-86-1	
Bromochloromethane	ND	ug/L	0.50	0.47	1		10/06/21 19:10	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	0.31	1		10/06/21 19:10	75-27-4	
Bromoform	ND	ug/L	0.50	0.34	1		10/06/21 19:10	75-25-2	
Bromomethane	ND	ug/L	5.0	1.7	1		10/06/21 19:10	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	0.49	1		10/06/21 19:10	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	0.40	1		10/06/21 19:10	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	0.32	1		10/06/21 19:10	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	0.33	1		10/06/21 19:10	56-23-5	
Chlorobenzene	ND	ug/L	0.50	0.28	1		10/06/21 19:10	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/06/21 19:10	75-00-3	
Chloroform	ND	ug/L	0.50	0.35	1		10/06/21 19:10	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/06/21 19:10	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	0.32	1		10/06/21 19:10	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	0.32	1		10/06/21 19:10	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.34	1		10/06/21 19:10	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	0.36	1		10/06/21 19:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	0.27	1		10/06/21 19:10	106-93-4	
Dibromomethane	ND	ug/L	0.50	0.39	1		10/06/21 19:10	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	0.34	1		10/06/21 19:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	0.34	1		10/06/21 19:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	0.33	1		10/06/21 19:10	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	0.35	1		10/06/21 19:10	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	0.37	1		10/06/21 19:10	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	0.32	1		10/06/21 19:10	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	0.35	1		10/06/21 19:10	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	0.38	1		10/06/21 19:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.40	1		10/06/21 19:10	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	0.36	1		10/06/21 19:10	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	0.28	1		10/06/21 19:10	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	0.39	1		10/06/21 19:10	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	0.43	1		10/06/21 19:10	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.36	1		10/06/21 19:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.36	1		10/06/21 19:10	10061-02-6	
Diisopropyl ether	ND	ug/L	0.50	0.31	1		10/06/21 19:10	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/06/21 19:10	64-17-5	
Ethylbenzene	ND	ug/L	0.50	0.30	1		10/06/21 19:10	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/06/21 19:10	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	0.33	1		10/06/21 19:10	98-82-8	
Methylene Chloride	ND	ug/L	2.0	2.0	1		10/06/21 19:10	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	0.50	0.42	1		10/06/21 19:10	1634-04-4	
Naphthalene	ND	ug/L	2.0	0.64	1		10/06/21 19:10	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	0.34	1		10/06/21 19:10	103-65-1	
Styrene	ND	ug/L	0.50	0.29	1		10/06/21 19:10	100-42-5	

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ANALYTICAL RESULTS

Project: 2020-L1-2448
Pace Project No.: 92564847

Sample: TRIP BLANK **Lab ID: 92564847003** Collected: 10/05/21 00:00 Received: 10/05/21 13:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B Pace Analytical Services - Charlotte								
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.31	1		10/06/21 19:10	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.22	1		10/06/21 19:10	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	0.29	1		10/06/21 19:10	127-18-4	
Toluene	ND	ug/L	0.50	0.48	1		10/06/21 19:10	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	0.81	1		10/06/21 19:10	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	0.64	1		10/06/21 19:10	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	0.33	1		10/06/21 19:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	0.32	1		10/06/21 19:10	79-00-5	
Trichloroethene	ND	ug/L	0.50	0.38	1		10/06/21 19:10	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/06/21 19:10	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	0.26	1		10/06/21 19:10	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.50	1		10/06/21 19:10	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.33	1		10/06/21 19:10	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/06/21 19:10	75-01-4	
m&p-Xylene	ND	ug/L	1.0	0.71	1		10/06/21 19:10	179601-23-1	
o-Xylene	ND	ug/L	0.50	0.34	1		10/06/21 19:10	95-47-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	93	%	70-130		1		10/06/21 19:10	17060-07-0	
4-Bromofluorobenzene (S)	97	%	70-130		1		10/06/21 19:10	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		10/06/21 19:10	2037-26-5	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92564847

QC Batch: 1759327
QC Batch Method: MADEPV
Analysis Method: MADEP VPH
Analysis Description: MADEPV
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92564847001, 92564847002

METHOD BLANK: R3718708-3 Matrix: Water
Associated Lab Samples: 92564847001, 92564847002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (C05-C08)	ug/L	ND	100	33.3	10/19/21 10:56	
Aliphatic (C09-C12)	ug/L	ND	100	33.3	10/19/21 10:56	
Aromatic (C09-C10),Unadjusted	ug/L	ND	100	33.3	10/19/21 10:56	
Total VPH	ug/L	ND	100	33.3	10/19/21 10:56	
2,5-Dibromotoluene (FID)	%	89.1	70.0-130		10/19/21 10:56	
2,5-Dibromotoluene (PID)	%	91.2	70.0-130		10/19/21 10:56	

LABORATORY CONTROL SAMPLE & LCSD: R3718708-1 R3718708-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	ug/L	1200	1140	1090	95.0	90.8	70.0-130	4.48	25	
Aliphatic (C09-C12)	ug/L	1400	1430	1380	102	98.6	70.0-130	3.56	25	
Aromatic (C09-C10),Unadjusted	ug/L	200	200	197	100	98.5	70.0-130	1.51	25	
Total VPH	ug/L	2800	2770	2670	98.9	95.4	70.0-130	3.68	25	
2,5-Dibromotoluene (FID)	%				97.6	99.0	70.0-130			
2,5-Dibromotoluene (PID)	%				98.3	100	70.0-130			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3718708-5 R3718708-6

Parameter	Units	L1414817-04 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aliphatic (C05-C08)	ug/L	77.8	1200	1200	1180	1140	91.8	88.5	70.0-130	3.45	25	
Aliphatic (C09-C12)	ug/L	ND	1400	1400	1460	1430	104	102	70.0-130	2.08	25	
Aromatic (C09-C10),Unadjusted	ug/L	50.1	200	200	221	220	85.4	84.9	70.0-130	0.454	25	
Total VPH	ug/L	128	2800	2800	2860	2790	97.6	95.1	70.0-130	2.48	25	
2,5-Dibromotoluene (FID)	%						102	100	70.0-130			
2,5-Dibromotoluene (PID)	%						106	104	70.0-130			

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92564847

QC Batch: 1759327
QC Batch Method: KS LRH/MADEPV/MTDEQ VPH/VPH
Analysis Method: MADEP VPH
Analysis Description: MADEPV
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92564847001, 92564847002

METHOD BLANK: R3718708-3 Matrix: Water
Associated Lab Samples: 92564847001, 92564847002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (C05-C08)	ug/L	ND	100	33.3	10/19/21 10:56	
Aliphatic (C09-C12)	ug/L	ND	100	33.3	10/19/21 10:56	
Aromatic (C09-C10),Unadjusted	ug/L	ND	100	33.3	10/19/21 10:56	
Total VPH	ug/L	ND	100	33.3	10/19/21 10:56	
2,5-Dibromotoluene (FID)	%	89.1	70.0-130		10/19/21 10:56	
2,5-Dibromotoluene (PID)	%	91.2	70.0-130		10/19/21 10:56	

LABORATORY CONTROL SAMPLE & LCSD: R3718708-1 R3718708-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	ug/L	1200	1140	1090	95.0	90.8	70.0-130	4.48	25	
Aliphatic (C09-C12)	ug/L	1400	1430	1380	102	98.6	70.0-130	3.56	25	
Aromatic (C09-C10),Unadjusted	ug/L	200	200	197	100	98.5	70.0-130	1.51	25	
Total VPH	ug/L	2800	2770	2670	98.9	95.4	70.0-130	3.68	25	
2,5-Dibromotoluene (FID)	%				97.6	99.0	70.0-130			
2,5-Dibromotoluene (PID)	%				98.3	100	70.0-130			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3718708-5 R3718708-6

Parameter	Units	L1414817-04 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aliphatic (C05-C08)	ug/L	77.8	1200	1200	1180	1140	91.8	88.5	70.0-130	3.45	25	
Aliphatic (C09-C12)	ug/L	ND	1400	1400	1460	1430	104	102	70.0-130	2.08	25	
Aromatic (C09-C10),Unadjusted	ug/L	50.1	200	200	221	220	85.4	84.9	70.0-130	0.454	25	
Total VPH	ug/L	128	2800	2800	2860	2790	97.6	95.1	70.0-130	2.48	25	
2,5-Dibromotoluene (FID)	%						102	100	70.0-130			
2,5-Dibromotoluene (PID)	%						106	104	70.0-130			

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92564847

QC Batch: 1760577
QC Batch Method: KS LRH/MADEPV/MTDEQ VPH/VPH
Analysis Method: MADEP VPH
Analysis Description: MADEPV
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92564847001, 92564847002

METHOD BLANK: R3719204-3 Matrix: Water
Associated Lab Samples: 92564847001, 92564847002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (C05-C08)	ug/L	ND	100	33.3	10/20/21 05:45	
Aliphatic (C09-C12)	ug/L	ND	100	33.3	10/20/21 05:45	
Aromatic (C09-C10),Unadjusted	ug/L	ND	100	33.3	10/20/21 05:45	
Total VPH	ug/L	ND	100	33.3	10/20/21 05:45	
2,5-Dibromotoluene (FID)	%	101	70.0-130		10/20/21 05:45	
2,5-Dibromotoluene (PID)	%	100	70.0-130		10/20/21 05:45	

LABORATORY CONTROL SAMPLE & LCSD: R3719204-1 R3719204-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	ug/L	1200	1010	1020	84.2	85.0	70.0-130	0.985	25	
Aliphatic (C09-C12)	ug/L	1400	1290	1290	92.1	92.1	70.0-130	0.00	25	
Aromatic (C09-C10),Unadjusted	ug/L	200	182	181	91.0	90.5	70.0-130	0.551	25	
Total VPH	ug/L	2800	2480	2490	88.6	88.9	70.0-130	0.402	25	
2,5-Dibromotoluene (FID)	%				102	103	70.0-130			
2,5-Dibromotoluene (PID)	%				102	102	70.0-130			

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92564847

QC Batch: 651064
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92564847001, 92564847002

METHOD BLANK: 3414370 Matrix: Water
Associated Lab Samples: 92564847001, 92564847002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	4.5	10/07/21 01:11	

LABORATORY CONTROL SAMPLE: 3414371

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	556	111	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3414530 3414531

Parameter	Units	92564868001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	383	425	77	85	75-125	10	20	

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92564847

QC Batch: 651254
QC Batch Method: SM 6200B
Analysis Method: SM 6200B
Analysis Description: 6200B MSV
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92564847001, 92564847002, 92564847003

METHOD BLANK: 3415467 Matrix: Water
Associated Lab Samples: 92564847001, 92564847002, 92564847003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	0.50	0.31	10/06/21 15:17	
1,1,1-Trichloroethane	ug/L	ND	0.50	0.33	10/06/21 15:17	
1,1,2,2-Tetrachloroethane	ug/L	ND	0.50	0.22	10/06/21 15:17	
1,1,2-Trichloroethane	ug/L	ND	0.50	0.32	10/06/21 15:17	
1,1-Dichloroethane	ug/L	ND	0.50	0.37	10/06/21 15:17	
1,1-Dichloroethene	ug/L	ND	0.50	0.35	10/06/21 15:17	
1,1-Dichloropropene	ug/L	ND	0.50	0.43	10/06/21 15:17	
1,2,3-Trichlorobenzene	ug/L	ND	2.0	0.81	10/06/21 15:17	
1,2,3-Trichloropropane	ug/L	ND	0.50	0.26	10/06/21 15:17	
1,2,4-Trichlorobenzene	ug/L	ND	2.0	0.64	10/06/21 15:17	
1,2,4-Trimethylbenzene	ug/L	ND	0.50	0.50	10/06/21 15:17	
1,2-Dibromo-3-chloropropane	ug/L	ND	1.0	0.34	10/06/21 15:17	
1,2-Dibromoethane (EDB)	ug/L	ND	0.50	0.27	10/06/21 15:17	
1,2-Dichlorobenzene	ug/L	ND	0.50	0.34	10/06/21 15:17	
1,2-Dichloroethane	ug/L	ND	0.50	0.32	10/06/21 15:17	
1,2-Dichloropropane	ug/L	ND	0.50	0.36	10/06/21 15:17	
1,3,5-Trimethylbenzene	ug/L	ND	0.50	0.33	10/06/21 15:17	
1,3-Dichlorobenzene	ug/L	ND	0.50	0.34	10/06/21 15:17	
1,3-Dichloropropane	ug/L	ND	0.50	0.28	10/06/21 15:17	
1,4-Dichlorobenzene	ug/L	ND	0.50	0.33	10/06/21 15:17	
2,2-Dichloropropane	ug/L	ND	0.50	0.39	10/06/21 15:17	
2-Chlorotoluene	ug/L	ND	0.50	0.32	10/06/21 15:17	
4-Chlorotoluene	ug/L	ND	0.50	0.32	10/06/21 15:17	
Benzene	ug/L	ND	0.50	0.34	10/06/21 15:17	
Bromobenzene	ug/L	ND	0.50	0.29	10/06/21 15:17	
Bromochloromethane	ug/L	ND	0.50	0.47	10/06/21 15:17	
Bromodichloromethane	ug/L	ND	0.50	0.31	10/06/21 15:17	
Bromoform	ug/L	ND	0.50	0.34	10/06/21 15:17	
Bromomethane	ug/L	ND	5.0	1.7	10/06/21 15:17	
Carbon tetrachloride	ug/L	ND	0.50	0.33	10/06/21 15:17	
Chlorobenzene	ug/L	ND	0.50	0.28	10/06/21 15:17	
Chloroethane	ug/L	ND	1.0	0.65	10/06/21 15:17	
Chloroform	ug/L	ND	0.50	0.35	10/06/21 15:17	
Chloromethane	ug/L	ND	1.0	0.54	10/06/21 15:17	
cis-1,2-Dichloroethene	ug/L	ND	0.50	0.38	10/06/21 15:17	
cis-1,3-Dichloropropene	ug/L	ND	0.50	0.36	10/06/21 15:17	
Dibromochloromethane	ug/L	ND	0.50	0.36	10/06/21 15:17	
Dibromomethane	ug/L	ND	0.50	0.39	10/06/21 15:17	
Dichlorodifluoromethane	ug/L	ND	0.50	0.35	10/06/21 15:17	
Diisopropyl ether	ug/L	ND	0.50	0.31	10/06/21 15:17	

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92564847

METHOD BLANK: 3415467 Matrix: Water
Associated Lab Samples: 92564847001, 92564847002, 92564847003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Ethanol	ug/L	ND	200	72.2	10/06/21 15:17	
Ethylbenzene	ug/L	ND	0.50	0.30	10/06/21 15:17	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	1.5	10/06/21 15:17	
Isopropylbenzene (Cumene)	ug/L	ND	0.50	0.33	10/06/21 15:17	
m&p-Xylene	ug/L	ND	1.0	0.71	10/06/21 15:17	
Methyl-tert-butyl ether	ug/L	ND	0.50	0.42	10/06/21 15:17	
Methylene Chloride	ug/L	ND	2.0	2.0	10/06/21 15:17	
n-Butylbenzene	ug/L	ND	0.50	0.49	10/06/21 15:17	
n-Propylbenzene	ug/L	ND	0.50	0.34	10/06/21 15:17	
Naphthalene	ug/L	ND	2.0	0.64	10/06/21 15:17	
o-Xylene	ug/L	ND	0.50	0.34	10/06/21 15:17	
sec-Butylbenzene	ug/L	ND	0.50	0.40	10/06/21 15:17	
Styrene	ug/L	ND	0.50	0.29	10/06/21 15:17	
tert-Butylbenzene	ug/L	ND	0.50	0.32	10/06/21 15:17	
Tetrachloroethene	ug/L	ND	0.50	0.29	10/06/21 15:17	
Toluene	ug/L	ND	0.50	0.48	10/06/21 15:17	
trans-1,2-Dichloroethene	ug/L	ND	0.50	0.40	10/06/21 15:17	
trans-1,3-Dichloropropene	ug/L	ND	0.50	0.36	10/06/21 15:17	
Trichloroethene	ug/L	ND	0.50	0.38	10/06/21 15:17	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	10/06/21 15:17	
Vinyl chloride	ug/L	ND	1.0	0.39	10/06/21 15:17	
1,2-Dichloroethane-d4 (S)	%	96	70-130		10/06/21 15:17	
4-Bromofluorobenzene (S)	%	96	70-130		10/06/21 15:17	
Toluene-d8 (S)	%	98	70-130		10/06/21 15:17	

LABORATORY CONTROL SAMPLE: 3415468

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	54.7	109	60-140	
1,1,1-Trichloroethane	ug/L	50	49.5	99	60-140	
1,1,2,2-Tetrachloroethane	ug/L	50	50.3	101	60-140	
1,1,2-Trichloroethane	ug/L	50	50.4	101	60-140	
1,1-Dichloroethane	ug/L	50	48.1	96	60-140	
1,1-Dichloroethene	ug/L	50	47.3	95	60-140	
1,1-Dichloropropene	ug/L	50	51.8	104	60-140	
1,2,3-Trichlorobenzene	ug/L	50	58.2	116	60-140	
1,2,3-Trichloropropane	ug/L	50	52.6	105	60-140	
1,2,4-Trichlorobenzene	ug/L	50	55.3	111	60-140	
1,2,4-Trimethylbenzene	ug/L	50	53.1	106	60-140	
1,2-Dibromo-3-chloropropane	ug/L	50	53.5	107	60-140	
1,2-Dibromoethane (EDB)	ug/L	50	52.3	105	60-140	
1,2-Dichlorobenzene	ug/L	50	52.3	105	60-140	
1,2-Dichloroethane	ug/L	50	46.9	94	60-140	
1,2-Dichloropropane	ug/L	50	50.8	102	60-140	

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92564847

LABORATORY CONTROL SAMPLE: 3415468

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3,5-Trimethylbenzene	ug/L	50	54.6	109	60-140	
1,3-Dichlorobenzene	ug/L	50	53.5	107	60-140	
1,3-Dichloropropane	ug/L	50	52.5	105	60-140	
1,4-Dichlorobenzene	ug/L	50	52.5	105	60-140	
2,2-Dichloropropane	ug/L	50	48.7	97	60-140	
2-Chlorotoluene	ug/L	50	52.2	104	60-140	
4-Chlorotoluene	ug/L	50	51.1	102	60-140	
Benzene	ug/L	50	50.4	101	60-140	
Bromobenzene	ug/L	50	53.0	106	60-140	
Bromochloromethane	ug/L	50	48.1	96	60-140	
Bromodichloromethane	ug/L	50	50.0	100	60-140	
Bromoform	ug/L	50	54.1	108	60-140	
Bromomethane	ug/L	50	46.6	93	60-140	
Carbon tetrachloride	ug/L	50	53.1	106	60-140	
Chlorobenzene	ug/L	50	51.9	104	60-140	
Chloroethane	ug/L	50	55.4	111	60-140	
Chloroform	ug/L	50	47.9	96	60-140	
Chloromethane	ug/L	50	41.9	84	60-140	
cis-1,2-Dichloroethene	ug/L	50	45.5	91	60-140	
cis-1,3-Dichloropropene	ug/L	50	51.7	103	60-140	
Dibromochloromethane	ug/L	50	55.0	110	60-140	
Dibromomethane	ug/L	50	50.8	102	60-140	
Dichlorodifluoromethane	ug/L	50	47.2	94	60-140	
Diisopropyl ether	ug/L	50	49.5	99	60-140	
Ethanol	ug/L	2000	1860	93	60-140	
Ethylbenzene	ug/L	50	51.8	104	60-140	
Hexachloro-1,3-butadiene	ug/L	50	55.2	110	60-140	
Isopropylbenzene (Cumene)	ug/L	50	56.1	112	60-140	
m&p-Xylene	ug/L	100	106	106	60-140	
Methyl-tert-butyl ether	ug/L	50	52.0	104	60-140	
Methylene Chloride	ug/L	50	48.8	98	60-140	
n-Butylbenzene	ug/L	50	55.0	110	60-140	
n-Propylbenzene	ug/L	50	52.9	106	60-140	
Naphthalene	ug/L	50	54.5	109	60-140	
o-Xylene	ug/L	50	54.6	109	60-140	
sec-Butylbenzene	ug/L	50	54.3	109	60-140	
Styrene	ug/L	50	54.3	109	60-140	
tert-Butylbenzene	ug/L	50	45.0	90	60-140	
Tetrachloroethene	ug/L	50	55.0	110	60-140	
Toluene	ug/L	50	47.6	95	60-140	
trans-1,2-Dichloroethene	ug/L	50	48.1	96	60-140	
trans-1,3-Dichloropropene	ug/L	50	50.9	102	60-140	
Trichloroethene	ug/L	50	47.7	95	60-140	
Trichlorofluoromethane	ug/L	50	44.8	90	60-140	
Vinyl chloride	ug/L	50	44.0	88	60-140	
1,2-Dichloroethane-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	

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(704)875-9092

QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92564847

LABORATORY CONTROL SAMPLE: 3415468

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene-d8 (S)	%			94	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3415469 3415470

Parameter	Units	92564595005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	200	200	291	244	145	122	60-140	17	30	M1
1,1,1-Trichloroethane	ug/L	ND	200	200	292	237	146	119	60-140	20	30	M1
1,1,2,2-Tetrachloroethane	ug/L	ND	200	200	262	221	131	111	60-140	17	30	
1,1,2-Trichloroethane	ug/L	ND	200	200	268	221	134	110	60-140	19	30	
1,1-Dichloroethane	ug/L	ND	200	200	272	223	136	111	60-140	20	30	
1,1-Dichloroethene	ug/L	ND	200	200	273	227	137	113	60-140	19	30	
1,1-Dichloropropene	ug/L	ND	200	200	291	244	145	122	60-140	17	30	M1
1,2,3-Trichlorobenzene	ug/L	ND	200	200	297	251	148	126	60-140	17	30	M1
1,2,3-Trichloropropane	ug/L	ND	200	200	251	208	125	104	60-140	19	30	
1,2,4-Trichlorobenzene	ug/L	ND	200	200	274	245	137	123	60-140	11	30	
1,2,4-Trimethylbenzene	ug/L	65.0	200	200	365	317	150	126	60-140	14	30	M1
1,2-Dibromo-3-chloropropane	ug/L	ND	200	200	268	233	134	117	60-140	14	30	
1,2-Dibromoethane (EDB)	ug/L	ND	200	200	283	239	142	120	60-140	17	30	M1
1,2-Dichlorobenzene	ug/L	ND	200	200	276	240	138	120	60-140	14	30	
1,2-Dichloroethane	ug/L	61.4	200	200	331	267	135	103	60-140	21	30	
1,2-Dichloropropane	ug/L	ND	200	200	287	231	143	116	60-140	21	30	M1
1,3,5-Trimethylbenzene	ug/L	19.1	200	200	308	270	144	126	60-140	13	30	M1
1,3-Dichlorobenzene	ug/L	ND	200	200	287	254	144	127	60-140	12	30	M1
1,3-Dichloropropane	ug/L	ND	200	200	278	237	139	119	60-140	16	30	
1,4-Dichlorobenzene	ug/L	ND	200	200	277	234	139	117	60-140	17	30	
2,2-Dichloropropane	ug/L	ND	200	200	274	225	137	112	60-140	20	30	
2-Chlorotoluene	ug/L	ND	200	200	294	256	147	128	60-140	14	30	M1
4-Chlorotoluene	ug/L	ND	200	200	273	233	136	117	60-140	16	30	
Benzene	ug/L	136	200	200	425	375	145	120	60-140	13	30	M1
Bromobenzene	ug/L	ND	200	200	289	248	144	124	60-140	15	30	M1
Bromochloromethane	ug/L	ND	200	200	275	219	137	110	60-140	23	30	
Bromodichloromethane	ug/L	ND	200	200	270	225	135	112	60-140	18	30	
Bromoform	ug/L	ND	200	200	263	218	132	109	60-140	19	30	
Bromomethane	ug/L	ND	200	200	250	223	125	111	60-140	12	30	
Carbon tetrachloride	ug/L	ND	200	200	297	245	148	123	60-140	19	30	M1
Chlorobenzene	ug/L	ND	200	200	287	240	143	120	60-140	18	30	M1
Chloroethane	ug/L	ND	200	200	346	277	173	139	60-140	22	30	M1
Chloroform	ug/L	ND	200	200	274	215	137	107	60-140	24	30	
Chloromethane	ug/L	ND	200	200	233	197	116	99	60-140	16	30	
cis-1,2-Dichloroethene	ug/L	ND	200	200	259	213	130	107	60-140	19	30	
cis-1,3-Dichloropropene	ug/L	ND	200	200	264	220	132	110	60-140	18	30	
Dibromochloromethane	ug/L	ND	200	200	282	237	141	119	60-140	17	30	M1
Dibromomethane	ug/L	ND	200	200	282	226	141	113	60-140	22	30	M1

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QUALITY CONTROL DATA

Project: 2020-L1-2448
Pace Project No.: 92564847

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3415469 3415470

Parameter	Units	92564595005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dichlorodifluoromethane	ug/L	ND	200	200	248	217	124	108	60-140	14	30	
Diisopropyl ether	ug/L	432	200	200	730	673	149	121	60-140	8	30	M1
Ethanol	ug/L	ND	8000	8000	9640	8070	120	101	60-140	18	30	
Ethylbenzene	ug/L	52.2	200	200	346	298	147	123	60-140	15	30	M1
Hexachloro-1,3-butadiene	ug/L	ND	200	200	288	251	144	126	60-140	14	30	M1
Isopropylbenzene (Cumene)	ug/L	ND	200	200	310	267	155	133	60-140	15	30	M1
m&p-Xylene	ug/L	189	400	400	788	694	150	126	60-140	13	30	M1
Methyl-tert-butyl ether	ug/L	1540	200	200	1980	1890	217	172	60-140	5	30	M1
Methylene Chloride	ug/L	ND	200	200	273	222	137	111	60-140	21	30	
n-Butylbenzene	ug/L	5.3	200	200	288	258	141	126	60-140	11	30	M1
n-Propylbenzene	ug/L	11.6	200	200	299	256	144	122	60-140	16	30	M1
Naphthalene	ug/L	ND	200	200	290	256	141	124	60-140	12	30	M1
o-Xylene	ug/L	73.6	200	200	371	327	149	127	60-140	13	30	M1
sec-Butylbenzene	ug/L	ND	200	200	299	256	150	128	60-140	16	30	M1
Styrene	ug/L	ND	200	200	291	248	145	124	60-140	16	30	M1
tert-Butylbenzene	ug/L	ND	200	200	250	212	125	106	60-140	16	30	
Tetrachloroethene	ug/L	ND	200	200	299	260	150	130	60-140	14	30	M1
Toluene	ug/L	362	200	200	618	574	128	106	60-140	7	30	
trans-1,2-Dichloroethene	ug/L	ND	200	200	275	228	137	114	60-140	18	30	
trans-1,3-Dichloropropene	ug/L	ND	200	200	257	216	128	108	60-140	17	30	
Trichloroethene	ug/L	ND	200	200	263	220	132	110	60-140	18	30	
Trichlorofluoromethane	ug/L	ND	200	200	243	201	122	100	60-140	19	30	
Vinyl chloride	ug/L	ND	200	200	254	209	127	104	60-140	19	30	
1,2-Dichloroethane-d4 (S)	%						99	98	70-130			
4-Bromofluorobenzene (S)	%						98	99	70-130			
Toluene-d8 (S)	%						94	93	70-130			

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QUALIFIERS

Project: 2020-L1-2448
Pace Project No.: 92564847

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 92564847

[1]

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2020-L1-2448
Pace Project No.: 92564847

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92564847001	**DUP-1**	MADEPV	1759327	MADEP VPH	1759327
92564847001	**DUP-1**	MADEPV	1760577	MADEP VPH	1760577
92564847002	**FB-1**	MADEPV	1759327	MADEP VPH	1759327
92564847002	**FB-1**	MADEPV	1760577	MADEP VPH	1760577
92564847001	**DUP-1**	EPA 3010A	651064	EPA 6010D	651239
92564847002	**FB-1**	EPA 3010A	651064	EPA 6010D	651239
92564847001	**DUP-1**	SM 6200B	651254		
92564847002	**FB-1**	SM 6200B	651254		
92564847003	**TRIP BLANK**	SM 6200B	651254		

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

WO# : 92564847

92564847

Company: APEX Companies	Billing Information:
Address:	
Report To: Andrew Street	Email To: andrew.street@apexcos.com
Copy To:	Site Collection Info/Address:
Customer Project Name/Number: 2020-LI-2448	State: NC County/City: Huntersville Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET
Phone: Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Matt Teixeira	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: ASAP Immediately Packed on Ice: [ ] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

Container Preservative Type **

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: VOCs 6200B	MADEP VPH	Lead	Lab Profile/Line:
DUP-1	DW	G	10/5/21	—				8	X	X	X	001
FB-1	OT	G	10-5-21	—				8	X	X	X	002
Trip Blank	OT	—	10-5-21	—				2	X			003

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips:	
Sample pH Acceptable	Y N NA
pH Strips: 2235194AV	
Sulfide Present	Y N NA
Lead Acetate Strips:	

LAB USE ONLY:
Lab Sample # / Comments:

92564847

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: bubble bags

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2632791

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 92104641
Cooler 1 Temp Upon Receipt: 1.6 oC
Cooler 1 Therm Corr. Factor: 0 oC
Cooler 1 Corrected Temp: 1.6 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Matt Teixeira / Apex	10-5-21 / 1320	Pace MS	10-5-21 13:20
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY

Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCl MeOH TSP Other

Non Conformance(s): YES / NO

Page: _____ of: _____

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 12, 2021

Alex Testoff
Montrose Environmental Group, Inc.
400 Northridge Rd.
Suite 400
Atlanta, GA 30350

RE: Project: PROJECT-002116
Pace Project No.: 92565301

Dear Alex Testoff:

Enclosed are the analytical results for sample(s) received by the laboratory on October 06, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Charlotte

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Cole Cates, Environmental Planning Specialists, Inc.
J Culbreath, Colonial Pipeline Company
Robert Hughes, Colonial Pipeline Company
Cam Lee, Montrose Environmental Group
Jamie Moran, APEX Companies, LLC
Jeff Morrison, Colonial Pipeline Company
Nicholas Nelson, Montrose Environmental Group, Inc.
Andrew Street, Apex Companies - NC
JM Wyatt, Colonial Pipeline Company

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: PROJECT-002116
Pace Project No.: 92565301

Pace Analytical Services Charlotte
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

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SAMPLE ANALYTE COUNT

Project: PROJECT-002116
Pace Project No.: 92565301

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92565301001	**21279-SW-1**	EPA 5030B/8015C Mod.	LMB	2	PASI-C
		EPA 8260D	PM1	9	PASI-C
92565301002	**21279-SW-2**	EPA 5030B/8015C Mod.	LMB	2	PASI-C
		EPA 8260D	PM1	9	PASI-C
92565301003	**21279-SW-3**	EPA 5030B/8015C Mod.	LMB	2	PASI-C
		EPA 8260D	PM1	9	PASI-C
92565301004	**21279-SW-4**	EPA 5030B/8015C Mod.	LMB	2	PASI-C
		EPA 8260D	PM1	9	PASI-C
92565301005	**21279-SW-5**	EPA 5030B/8015C Mod.	LMB	2	PASI-C
		EPA 8260D	PM1	9	PASI-C
92565301006	**21279-SW-6**	EPA 5030B/8015C Mod.	LMB	2	PASI-C
		EPA 8260D	PM1	9	PASI-C
92565301007	**21279-SW-7**	EPA 5030B/8015C Mod.	LMB	2	PASI-C
		EPA 8260D	PM1	9	PASI-C
92565301008	**21279-SW-DUP**	EPA 5030B/8015C Mod.	LMB	2	PASI-C
		EPA 8260D	PM1	9	PASI-C
92565301009	**21279-TRIP BLANK**	EPA 8260D	PM1	9	PASI-C

PASI-C = Pace Analytical Services - Charlotte

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ANALYTICAL RESULTS

Project: PROJECT-002116
Pace Project No.: 92565301

Sample: 21279-SW-1 **Lab ID: 92565301001** Collected: 10/06/21 13:40 Received: 10/06/21 15:21 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics	Analytical Method: EPA 5030B/8015C Mod. Pace Analytical Services - Charlotte							
Gas Range Organics (C6-C10)	ND	mg/L	0.080	1		10/08/21 16:21		
Surrogates								
4-Bromofluorobenzene (S)	88	%	70-130	1		10/08/21 16:21	460-00-4	
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Benzene	ND	ug/L	1.0	1		10/07/21 13:45	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/07/21 13:45	100-41-4	
Toluene	ND	ug/L	1.0	1		10/07/21 13:45	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		10/07/21 13:45	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		10/07/21 13:45	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		10/07/21 13:45	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-130	1		10/07/21 13:45	460-00-4	
1,2-Dichloroethane-d4 (S)	86	%	70-130	1		10/07/21 13:45	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		10/07/21 13:45	2037-26-5	

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ANALYTICAL RESULTS

Project: PROJECT-002116
Pace Project No.: 92565301

Sample: 21279-SW-2 **Lab ID: 92565301002** Collected: 10/06/21 13:30 Received: 10/06/21 15:21 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics	Analytical Method: EPA 5030B/8015C Mod. Pace Analytical Services - Charlotte							
Gas Range Organics (C6-C10)	ND	mg/L	0.080	1		10/08/21 17:17		
Surrogates								
4-Bromofluorobenzene (S)	87	%	70-130	1		10/08/21 17:17	460-00-4	
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Benzene	ND	ug/L	1.0	1		10/07/21 14:03	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/07/21 14:03	100-41-4	
Toluene	ND	ug/L	1.0	1		10/07/21 14:03	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		10/07/21 14:03	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		10/07/21 14:03	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		10/07/21 14:03	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-130	1		10/07/21 14:03	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130	1		10/07/21 14:03	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		10/07/21 14:03	2037-26-5	

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ANALYTICAL RESULTS

Project: PROJECT-002116
Pace Project No.: 92565301

Sample: 21279-SW-3 **Lab ID: 92565301003** Collected: 10/06/21 13:20 Received: 10/06/21 15:21 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics	Analytical Method: EPA 5030B/8015C Mod. Pace Analytical Services - Charlotte							
Gas Range Organics (C6-C10)	ND	mg/L	0.080	1		10/08/21 17:45		
Surrogates								
4-Bromofluorobenzene (S)	86	%	70-130	1		10/08/21 17:45	460-00-4	
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Benzene	ND	ug/L	1.0	1		10/07/21 14:20	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/07/21 14:20	100-41-4	
Toluene	ND	ug/L	1.0	1		10/07/21 14:20	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		10/07/21 14:20	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		10/07/21 14:20	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		10/07/21 14:20	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	94	%	70-130	1		10/07/21 14:20	460-00-4	
1,2-Dichloroethane-d4 (S)	86	%	70-130	1		10/07/21 14:20	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		10/07/21 14:20	2037-26-5	

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ANALYTICAL RESULTS

Project: PROJECT-002116
Pace Project No.: 92565301

Sample: 21279-SW-4 **Lab ID: 92565301004** Collected: 10/06/21 14:00 Received: 10/06/21 15:21 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics	Analytical Method: EPA 5030B/8015C Mod. Pace Analytical Services - Charlotte							
Gas Range Organics (C6-C10)	ND	mg/L	0.080	1		10/08/21 18:13		
Surrogates								
4-Bromofluorobenzene (S)	87	%	70-130	1		10/08/21 18:13	460-00-4	
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Benzene	ND	ug/L	1.0	1		10/07/21 14:38	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/07/21 14:38	100-41-4	
Toluene	ND	ug/L	1.0	1		10/07/21 14:38	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		10/07/21 14:38	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		10/07/21 14:38	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		10/07/21 14:38	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-130	1		10/07/21 14:38	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130	1		10/07/21 14:38	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		10/07/21 14:38	2037-26-5	

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ANALYTICAL RESULTS

Project: PROJECT-002116
Pace Project No.: 92565301

Sample: 21279-SW-5 **Lab ID: 92565301005** Collected: 10/06/21 14:10 Received: 10/06/21 15:21 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics	Analytical Method: EPA 5030B/8015C Mod. Pace Analytical Services - Charlotte							
Gas Range Organics (C6-C10)	ND	mg/L	0.080	1		10/08/21 18:41		
Surrogates								
4-Bromofluorobenzene (S)	86	%	70-130	1		10/08/21 18:41	460-00-4	
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Benzene	ND	ug/L	1.0	1		10/07/21 14:56	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/07/21 14:56	100-41-4	
Toluene	ND	ug/L	1.0	1		10/07/21 14:56	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		10/07/21 14:56	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		10/07/21 14:56	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		10/07/21 14:56	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98	%	70-130	1		10/07/21 14:56	460-00-4	
1,2-Dichloroethane-d4 (S)	85	%	70-130	1		10/07/21 14:56	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		10/07/21 14:56	2037-26-5	

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ANALYTICAL RESULTS

Project: PROJECT-002116
Pace Project No.: 92565301

Sample: 21279-SW-6 **Lab ID: 92565301006** Collected: 10/06/21 14:20 Received: 10/06/21 15:21 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics	Analytical Method: EPA 5030B/8015C Mod. Pace Analytical Services - Charlotte							
Gas Range Organics (C6-C10)	ND	mg/L	0.080	1		10/08/21 19:09		
Surrogates								
4-Bromofluorobenzene (S)	86	%	70-130	1		10/08/21 19:09	460-00-4	
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Benzene	ND	ug/L	1.0	1		10/07/21 15:14	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/07/21 15:14	100-41-4	
Toluene	ND	ug/L	1.0	1		10/07/21 15:14	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		10/07/21 15:14	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		10/07/21 15:14	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		10/07/21 15:14	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98	%	70-130	1		10/07/21 15:14	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130	1		10/07/21 15:14	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		10/07/21 15:14	2037-26-5	

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ANALYTICAL RESULTS

Project: PROJECT-002116
Pace Project No.: 92565301

Sample: 21279-SW-7 **Lab ID: 92565301007** Collected: 10/06/21 14:35 Received: 10/06/21 15:21 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics	Analytical Method: EPA 5030B/8015C Mod. Pace Analytical Services - Charlotte							
Gas Range Organics (C6-C10)	ND	mg/L	0.080	1		10/08/21 19:37		
Surrogates								
4-Bromofluorobenzene (S)	90	%	70-130	1		10/08/21 19:37	460-00-4	
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Benzene	ND	ug/L	1.0	1		10/07/21 15:31	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/07/21 15:31	100-41-4	
Toluene	ND	ug/L	1.0	1		10/07/21 15:31	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		10/07/21 15:31	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		10/07/21 15:31	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		10/07/21 15:31	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98	%	70-130	1		10/07/21 15:31	460-00-4	
1,2-Dichloroethane-d4 (S)	85	%	70-130	1		10/07/21 15:31	17060-07-0	
Toluene-d8 (S)	102	%	70-130	1		10/07/21 15:31	2037-26-5	

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ANALYTICAL RESULTS

Project: PROJECT-002116
Pace Project No.: 92565301

Sample: 21279-SW-DUP **Lab ID: 92565301008** Collected: 10/06/21 12:00 Received: 10/06/21 15:21 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics	Analytical Method: EPA 5030B/8015C Mod. Pace Analytical Services - Charlotte							
Gas Range Organics (C6-C10)	ND	mg/L	0.080	1		10/08/21 20:05		
Surrogates								
4-Bromofluorobenzene (S)	91	%	70-130	1		10/08/21 20:05	460-00-4	
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Benzene	ND	ug/L	1.0	1		10/07/21 15:49	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/07/21 15:49	100-41-4	
Toluene	ND	ug/L	1.0	1		10/07/21 15:49	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		10/07/21 15:49	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		10/07/21 15:49	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		10/07/21 15:49	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	96	%	70-130	1		10/07/21 15:49	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130	1		10/07/21 15:49	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		10/07/21 15:49	2037-26-5	

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ANALYTICAL RESULTS

Project: PROJECT-002116
Pace Project No.: 92565301

Sample: 21279-TRIP BLANK **Lab ID: 92565301009** Collected: 10/06/21 00:00 Received: 10/06/21 15:21 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Benzene	ND	ug/L	1.0	1		10/07/21 13:28	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/07/21 13:28	100-41-4	
Toluene	ND	ug/L	1.0	1		10/07/21 13:28	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		10/07/21 13:28	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		10/07/21 13:28	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		10/07/21 13:28	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	101	%	70-130	1		10/07/21 13:28	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130	1		10/07/21 13:28	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		10/07/21 13:28	2037-26-5	

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QUALITY CONTROL DATA

Project: PROJECT-002116
Pace Project No.: 92565301

QC Batch: 651781 Analysis Method: EPA 5030B/8015C Mod.
QC Batch Method: EPA 5030B/8015C Mod. Analysis Description: Gasoline Range Organics
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92565301001, 92565301002, 92565301003, 92565301004, 92565301005, 92565301006, 92565301007, 92565301008

METHOD BLANK: 3418119 Matrix: Water
Associated Lab Samples: 92565301001, 92565301002, 92565301003, 92565301004, 92565301005, 92565301006, 92565301007, 92565301008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gas Range Organics (C6-C10)	mg/L	ND	0.080	10/08/21 15:53	
4-Bromofluorobenzene (S)	%	86	70-130	10/08/21 15:53	

LABORATORY CONTROL SAMPLE: 3418120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gas Range Organics (C6-C10)	mg/L	1	0.98	98	70-130	
4-Bromofluorobenzene (S)	%			94	70-130	

MATRIX SPIKE SAMPLE: 3418122

Parameter	Units	92565301002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Gas Range Organics (C6-C10)	mg/L	ND	1	0.90	90	68-145	
4-Bromofluorobenzene (S)	%				96	70-130	

SAMPLE DUPLICATE: 3418121

Parameter	Units	92565301001 Result	Dup Result	RPD	Qualifiers
Gas Range Organics (C6-C10)	mg/L	ND	ND		
4-Bromofluorobenzene (S)	%	88	87		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: PROJECT-002116
Pace Project No.: 92565301

QC Batch: 651443
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV Low Level
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92565301001, 92565301002, 92565301003, 92565301004, 92565301005, 92565301006, 92565301007, 92565301008, 92565301009

METHOD BLANK: 3416350 Matrix: Water
Associated Lab Samples: 92565301001, 92565301002, 92565301003, 92565301004, 92565301005, 92565301006, 92565301007, 92565301008, 92565301009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	10/07/21 13:10	
Ethylbenzene	ug/L	ND	1.0	10/07/21 13:10	
m&p-Xylene	ug/L	ND	2.0	10/07/21 13:10	
o-Xylene	ug/L	ND	1.0	10/07/21 13:10	
Toluene	ug/L	ND	1.0	10/07/21 13:10	
Xylene (Total)	ug/L	ND	1.0	10/07/21 13:10	
1,2-Dichloroethane-d4 (S)	%	86	70-130	10/07/21 13:10	
4-Bromofluorobenzene (S)	%	101	70-130	10/07/21 13:10	
Toluene-d8 (S)	%	99	70-130	10/07/21 13:10	

LABORATORY CONTROL SAMPLE: 3416351

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	50.3	101	70-130	
Ethylbenzene	ug/L	50	53.8	108	70-130	
m&p-Xylene	ug/L	100	108	108	70-130	
o-Xylene	ug/L	50	54.4	109	70-130	
Toluene	ug/L	50	49.1	98	70-130	
Xylene (Total)	ug/L	150	162	108	70-130	
1,2-Dichloroethane-d4 (S)	%			93	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			95	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3416352 3416353

Parameter	Units	92565301008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Benzene	ug/L	ND	20	20	23.0	22.5	115	113	67-150	2	
Ethylbenzene	ug/L	ND	20	20	23.4	23.0	117	115	68-143	2	
m&p-Xylene	ug/L	ND	40	40	46.8	45.8	117	115	53-157	2	
o-Xylene	ug/L	ND	20	20	23.8	23.0	119	115	68-143	4	
Toluene	ug/L	ND	20	20	23.2	22.3	116	112	47-157	4	
Xylene (Total)	ug/L	ND	60	60	70.7	68.8	118	115	66-145	3	
1,2-Dichloroethane-d4 (S)	%						87	88	70-130		
4-Bromofluorobenzene (S)	%						99	99	70-130		
Toluene-d8 (S)	%						97	95	70-130		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: PROJECT-002116
Pace Project No.: 92565301

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PROJECT-002116
Pace Project No.: 92565301

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92565301001	**21279-SW-1**	EPA 5030B/8015C Mod.	651781		
92565301002	**21279-SW-2**	EPA 5030B/8015C Mod.	651781		
92565301003	**21279-SW-3**	EPA 5030B/8015C Mod.	651781		
92565301004	**21279-SW-4**	EPA 5030B/8015C Mod.	651781		
92565301005	**21279-SW-5**	EPA 5030B/8015C Mod.	651781		
92565301006	**21279-SW-6**	EPA 5030B/8015C Mod.	651781		
92565301007	**21279-SW-7**	EPA 5030B/8015C Mod.	651781		
92565301008	**21279-SW-DUP**	EPA 5030B/8015C Mod.	651781		
92565301001	**21279-SW-1**	EPA 8260D	651443		
92565301002	**21279-SW-2**	EPA 8260D	651443		
92565301003	**21279-SW-3**	EPA 8260D	651443		
92565301004	**21279-SW-4**	EPA 8260D	651443		
92565301005	**21279-SW-5**	EPA 8260D	651443		
92565301006	**21279-SW-6**	EPA 8260D	651443		
92565301007	**21279-SW-7**	EPA 8260D	651443		
92565301008	**21279-SW-DUP**	EPA 8260D	651443		
92565301009	**21279-TRIP BLANK**	EPA 8260D	651443		

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY - Affix Workorder/Login Label Here or List Pace Workorder Number or

WO# : 92565301

92565301

Company: Montrose	Billing Information: 400 Northridge Rd Suite 400 Sandy Springs, GA 30350
Address:	
Report To: ctates@montrose-env.com	Email To: Jnicolette@montrose-env.com
Copy To: cleek@montrose-env.com	Site Collection Info/Address:
Customer Project Name/Number: Proj-002166	State: NC / County/City: Huntersville Time Zone Collected: [ ] PT [ ] MT [ ] CT [✓] ET
Phone: Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Cole Cates	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Immediately Packed on Ice: [✓] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [✓] 5 Day (Expedite Charges Apply)
	Field Filtered (if applicable): [ ] Yes [ ] No Analysis: _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: BTEX	Analyses: TPH-GRO	Lab Sample # / Comments
21279-SW-1	SW	G	10/6/21	13:10				6	X	X	92565301
21279-SW-2	SW	G	10/6/21	13:30				6	X	X	02
21279-SW-3	SW	G	10/6/21	13:20				6	X	X	03
21279-SW-4	SW	G	10/6/21	14:00				6	X	X	04
21279-SW-5	SW	G	10/6/21	14:10				6	X	X	05
21279-SW-6	SW	G	10/6/21	14:20				6	X	X	06
21279-SW-7	SW	G	10/6/21	14:35				6	X	X	07
21279-SW-DUP	SW	G	10/6/21	12:00				6	X	X	08
21279-Trip Blank	W	LAB	10/6/21	LAB				2	X		09

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	(NA)
Custody Signatures Present	(Y)	N	NA
Collector Signature Present	(Y)	N	NA
Bottles Intact	(Y)	N	NA
Correct Bottles	(Y)	N	NA
Sufficient Volume	(Y)	N	NA
Samples Received on Ice	(Y)	N	NA
VOA - Headspace Acceptable	(Y)	N	NA
USDA Regulated Soils	Y	N	(NA)
Samples in Holding Time	(Y)	N	NA
Residual Chlorine Present	Y	N	(NA)
Cl Strips: _____			
Sample pH Acceptable	Y	N	NA
pH Strips: _____			
Sulfide Present	Y	N	(NA)
Lead Acetate Strips: _____			

LAB USE ONLY:

Customer Remarks / Special Conditions / Possible Hazards:

SW = Surface Water
G = grab

Type of Ice Used: (Wet) Blue Dry None

Packing Material Used: BB

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y (N) N/A

Lab Tracking #: 2546948

Samples received via: FEDEX UPS Client Courier (Pace Courier)

Lab Sample Temperature Info:

Temp Blank Received: Y N (NA)
Therm ID#: 92T0164
Cooler 1 Temp Upon Receipt: 3.3 oC
Cooler 1 Therm Corr. Factor: 0 oC
Cooler 1 Corrected Temp: 3.3 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Montrose	10/6/21 1521	Pace MTL	10-6-21 1521
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY

Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: (Y) N NA
(HCL) MeOH TSP Other

Non Conformance(s): YES / (NO)

Page: _____ of: _____

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 12, 2021

Alex Testoff
Montrose Environmental Group, Inc.
400 Northridge Rd.
Suite 400
Atlanta, GA 30350

RE: Project: PROJECT-002116
Pace Project No.: 92565303

Dear Alex Testoff:

Enclosed are the analytical results for sample(s) received by the laboratory on October 06, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses were subcontracted outside of the Pace Network. The test report from the external subcontractor is attached to this report in its entirety.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang

Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Cole Cates, Environmental Planning Specialists, Inc.
J Culbreath, Colonial Pipeline Company
Robert Hughes, Colonial Pipeline Company
Cam Lee, Montrose Environmental Group
Jamie Moran, APEX Companies, LLC
Jeff Morrison, Colonial Pipeline Company
Nicholas Nelson, Montrose Environmental Group, Inc.
Andrew Street, Apex Companies - NC
JM Wyatt, Colonial Pipeline Company

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

WO# : 92565303

92565303

LAB USE

umber or

Company: Montrose	Billing Information: 400 Northridge Rd. Suite 400 Sandy Springs, GA 30350
Address:	
Report To: CKates@montrose-env.com	Email To: Jnicolette@montrose-env.com
Copy To: Ckc@montrose-env.com	Site Collection Info/Address:
Customer Project Name/Number: Proj-002116	State: NC County/City: Huntersville Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET
Phone: Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Cole Cates	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Immediately Packed on Ice: [ ] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)
	Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

Containe

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	BTEX	TPH-GRO
21279-SW-Seep	SW	G	10/6/21	12:20				6	X	X
21279-SW-Confluence	SW	G	10/6/21	12:25				6	X	X
21279-SW-Seep2	SW	G	10/6/21	12:30				6	X	X
21279-SW-Confluence2	SW	G	10/6/21	12:35				6	X	X
21279-SW-G	SW	G	10/6/21	1240				6	X	X

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips:			
Sample pH Acceptable	Y	N	NA
pH Strips:			
Sulfide Present	Y	N	NA
Lead Acetate Strips:			

LAB USE ONLY:
Lab Sample # / Comments: 92565303

01
02
03
04
05

Customer Remarks / Special Conditions / Possible Hazards:
SW=Surface Water
G=Grab

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2546949

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 92T064
Cooler 1 Temp Upon Receipt: 3.3 oC
Cooler 1 Therm Corr. Factor: 0 oC
Cooler 1 Corrected Temp: 3.3 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time: 10/6/21 1521	Received by/Company: (Signature) SKC Pace HVL	Date/Time: 10/6/21 1521
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: _____ of: _____

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES

October 12, 2021

Bonnie Vang
Pace Analytical Services, Inc.

9800 Kincey Ave Suite 100
Huntersville NC 28078-8400

RE: 92565303

Dear Bonnie Vang: Order No: 2110902

Analytical Environmental Services, Inc. received 5 samples on 10/8/2021 9:41:00 AM
for the analyses presented in following report.

"No problems were encountered during the analyses except as noted in the Case Narrative or by qualifiers in the report or QC Summary. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits.
AES' certifications are as follows:
-NELAP/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions for Organics, and Drinking Water Microbiology & Metals, effective 07/01/21-06/30/22.
-North Carolina Certification number 562 for analysis of Surface Water, Groundwater, Effluent, effective until 12/31/21.
-South Carolina Environmental Laboratory Certification number 98016003 effective until 6/30/22.
These results relate only to the items tested as received. This report may only be reproduced in full and with written permission from the laboratory.
If you have any questions regarding these test results, please feel free to call.
Sincerely,

Paris Masoudi

Paris Masoudi

Project Manager

3080 Presidential Drive • Atlanta, Georgia 30340 • Tel: 770.457.8177 • Fax: 770.457.8188 • Toll Free: 800.972.4889
www.aesatlanta.com

2110902

Chain of Custody

PASI Charlotte Laboratory

Pace Analytical®
www.pacelabs.com

Workorder: 92565303 **Workorder Name:** PROJECT-002116 **Results Requested By:** 10/7/2021

Report / Invoice To	Subcontract To
Bonnie Vang Pace Analytical Charlotte 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 Phone (704)875-9092 Email: bonnie.vang@pacelabs.com	AES 3080 Presidential Drive Atlanta, GA 30340 (770) 457-8177 P.O. BV 92565303

State of Sample Origin: NC

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HCL	NC GRO	8260-BTEX	LAB USE ONLY
1	21279-SW-SEEP	10/6/2021 12:20	92565303001	Water	6	X	x	
2	21279-SW-CONFLUENCE	10/6/2021 12:25	92565303002	Water	6	X	x	
3	21279-SW-SEEP 2	10/6/2021 12:30	92565303003	Water	6	X	x	
4	21279-SW-CONFLUENCE 2	10/6/2021 12:35	92565303004	Water	6	X	x	
5	21279-SW-G	10/6/2021 12:40	92565303005	Water	6	X	x	

Transfers	Released By	Date/Time	Received By	Date/Time
1	JKC Pace LNL	10-7-21 1800	LILIA BINGHAM	10/08 9:41
2				
3				

Comments

Rush pre-approved-Due EOB Monday 10/11/21

Cooler Temperature on Receipt _____ °C **Custody Seal** Y or N **Received on Ice** Y or N **Samples Intact** Y or N

Client: Pace Analytical Services, Inc.
Project: 92565303
Lab ID: 2110902

Case Narrative

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	21279-SW-SEEP
Project Name:	92565303	**Collection Date:**	10/6/2021 12:20:00 PM
Lab ID:	2110902-001	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260D				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	323792	1	10/11/2021 14:32	JB
Toluene	BRL	1.0		ug/L	323792	1	10/11/2021 14:32	JB
Ethylbenzene	BRL	1.0		ug/L	323792	1	10/11/2021 14:32	JB
m,p-Xylene	BRL	1.0		ug/L	323792	1	10/11/2021 14:32	JB
o-Xylene	BRL	1.0		ug/L	323792	1	10/11/2021 14:32	JB
Surr: 4-Bromofluorobenzene	101	74.9-127		%REC	323792	1	10/11/2021 14:32	JB
GASOLINE RANGE ORGANICS SW8015C				**(SW5030B)**				
TPH (Gasoline Range Organics)	BRL	0.50		mg/L	323792	1	10/11/2021 14:32	JB
Surr: a.a.a-trifluorotoluene	93.2	67.8-133		%REC	323792	1	10/11/2021 14:32	JB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	21279-SW-CONFLUENCE
Project Name:	92565303	**Collection Date:**	10/6/2021 12:25:00 PM
Lab ID:	2110902-002	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260D				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	323792	1	10/11/2021 14:54	JB
Toluene	BRL	1.0		ug/L	323792	1	10/11/2021 14:54	JB
Ethylbenzene	BRL	1.0		ug/L	323792	1	10/11/2021 14:54	JB
m,p-Xylene	BRL	1.0		ug/L	323792	1	10/11/2021 14:54	JB
o-Xylene	BRL	1.0		ug/L	323792	1	10/11/2021 14:54	JB
Surr: 4-Bromofluorobenzene	99.9	74.9-127		%REC	323792	1	10/11/2021 14:54	JB
GASOLINE RANGE ORGANICS SW8015C				**(SW5030B)**				
TPH (Gasoline Range Organics)	BRL	0.50		mg/L	323792	1	10/11/2021 14:54	JB
Surr: a.a.a-trifluorotoluene	93.2	67.8-133		%REC	323792	1	10/11/2021 14:54	JB

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	21279-SW-SEEP 2
Project Name:	92565303	**Collection Date:**	10/6/2021 12:30:00 PM
Lab ID:	2110902-003	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260D				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	323792	1	10/11/2021 15:17	JB
Toluene	BRL	1.0		ug/L	323792	1	10/11/2021 15:17	JB
Ethylbenzene	BRL	1.0		ug/L	323792	1	10/11/2021 15:17	JB
m,p-Xylene	BRL	1.0		ug/L	323792	1	10/11/2021 15:17	JB
o-Xylene	BRL	1.0		ug/L	323792	1	10/11/2021 15:17	JB
Surr: 4-Bromofluorobenzene	102	74.9-127		%REC	323792	1	10/11/2021 15:17	JB
GASOLINE RANGE ORGANICS SW8015C				**(SW5030B)**				
TPH (Gasoline Range Organics)	BRL	0.50		mg/L	323792	1	10/11/2021 15:17	JB
Surr: a.a.a-trifluorotoluene	92.1	67.8-133		%REC	323792	1	10/11/2021 15:17	JB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	:21279-SW-CONFLUENCE 2
Project Name:	92565303	**Collection Date:**	10/6/2021 12:35:00 PM
Lab ID:	2110902-004	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260D				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	323792	1	10/11/2021 15:39	JB
Toluene	BRL	1.0		ug/L	323792	1	10/11/2021 15:39	JB
Ethylbenzene	BRL	1.0		ug/L	323792	1	10/11/2021 15:39	JB
m,p-Xylene	BRL	1.0		ug/L	323792	1	10/11/2021 15:39	JB
o-Xylene	BRL	1.0		ug/L	323792	1	10/11/2021 15:39	JB
Surr: 4-Bromofluorobenzene	102	74.9-127		%REC	323792	1	10/11/2021 15:39	JB
GASOLINE RANGE ORGANICS SW8015C				**(SW5030B)**				
TPH (Gasoline Range Organics)	BRL	0.50		mg/L	323792	1	10/11/2021 15:39	JB
Surr: a.a.a-trifluorotoluene	91.3	67.8-133		%REC	323792	1	10/11/2021 15:39	JB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 12-Oct-21

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	21279-SW-G
Project Name:	92565303	**Collection Date:**	10/6/2021 12:40:00 PM
Lab ID:	2110902-005	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260D				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	323792	1	10/11/2021 16:02	JB
Toluene	BRL	1.0		ug/L	323792	1	10/11/2021 16:02	JB
Ethylbenzene	BRL	1.0		ug/L	323792	1	10/11/2021 16:02	JB
m,p-Xylene	BRL	1.0		ug/L	323792	1	10/11/2021 16:02	JB
o-Xylene	BRL	1.0		ug/L	323792	1	10/11/2021 16:02	JB
Surr: 4-Bromofluorobenzene	98.8	74.9-127		%REC	323792	1	10/11/2021 16:02	JB
GASOLINE RANGE ORGANICS SW8015C				**(SW5030B)**				
TPH (Gasoline Range Organics)	BRL	0.50		mg/L	323792	1	10/11/2021 16:02	JB
Surr: a.a.a-trifluorotoluene	92.2	67.8-133		%REC	323792	1	10/11/2021 16:02	JB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Clear Save as

ANALYTICAL ENVIRONMENTAL SERVICES, INC. AES

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **Pace Analytical Services, Inc.** AES Work Order Number: **2110902**

2. Carrier: FedEx ■ UPS ☐ USPS ☐ Client ☐ Courier ☐ Other _____

		Yes	No	N/A	Details	Comments
3.	Shipping container/cooler received in good condition?	◉	○	○	damaged ☐ leaking ☐ other ☐	
4.	Custody seals present on shipping container?	○	◉	○		
5.	Custody seals intact on shipping container?	○	○	◉		
6.	Temperature blanks present?	○	◉	○		
7.	Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	◉	○	○	Cooling initiated for recently collected samples / ice present ☐	
8.	Chain of Custody (COC) present?	◉	○	○		
9.	Chain of Custody signed, dated, and timed when relinquished and received?	◉	○	○		
10.	Sampler name and/or signature on COC?	◉	○	○		
11.	Were all samples received within holding time?	◉	○	○		
12.	TAT marked on the COC?	◉	○	○	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. ☐	

13. Cooler 1 Temperature 0.3 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). ST 10/8/21

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	◉	○	○		
17.	Custody seals present on sample containers?	○	◉	○		
18.	Custody seals intact on sample containers?	○	○	◉		
19.	Do sample container labels match the COC?	◉	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	◉	○	○		
21.	Were all of the samples listed on the COC received?	◉	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	◉	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	◉	○	○		
24.	Were samples received in appropriate containers?	◉	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	◉	○	○		
26.	Were trip blanks submitted?	○	◉	○	listed on COC ☐ not listed on COC ■	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). ST 10/8/21

This section only applies to samples where pH can be checked at Sample Receipt.

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked? *	○	○	◉		
29.	Containers meet preservation guidelines?	○	○	◉		
30.	Was pH adjusted at Sample Receipt?	○	○	◉		

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH. This also excludes metals by EPA 200.7, 200.8 and 245.1 which will be verified between 16 and 24 hours after preservation.

I certify that I have completed sections 28-30 (dated initials). ST 10/8/21

Client: Pace Analytical Services, Inc.
Project Name: 92565303
Workorder: 2110902

ANALYTICAL QC SUMMARY REPORT

BatchID: 323792

Sample ID: **MB-323792**	Client ID:		Units: **mg/L**	Prep Date: **10/09/2021**	Run No: **467000**
SampleType: **MBLK**	TestCode: **GASOLINE RANGE ORGANICS SW8015C**		BatchID: **323792**	Analysis Date: **10/09/2021**	Seq No: **10730196**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
TPH (Gasoline Range Organics)	BRL	0.50									
Surr: a.a.a-trifluorotoluene	0.04702	0	0.0500		94.0	67.8	133				

Sample ID: **MB-323792**	Client ID:		Units: **ug/L**	Prep Date: **10/09/2021**	Run No: **467073**
SampleType: **MBLK**	TestCode: **VOLATILE ORGANICS SW8260D**		BatchID: **323792**	Analysis Date: **10/11/2021**	Seq No: **10732041**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	BRL	1.0									
Ethylbenzene	BRL	1.0									
m,p-Xylene	BRL	1.0									
o-Xylene	BRL	1.0									
Toluene	BRL	1.0									
Surr: 4-Bromofluorobenzene	50.05	0	50.00		100	74.9	127				

Sample ID: **LCS-323792**	Client ID:		Units: **mg/L**	Prep Date: **10/09/2021**	Run No: **467000**
SampleType: **LCS**	TestCode: **GASOLINE RANGE ORGANICS SW8015C**		BatchID: **323792**	Analysis Date: **10/09/2021**	Seq No: **10730195**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
TPH (Gasoline Range Organics)	0.9164	0.50	1.000		91.6	72	135				
Surr: a.a.a-trifluorotoluene	0.04801	0	0.0500		96.0	67.8	133				

Sample ID: **LCS-323792**	Client ID:		Units: **ug/L**	Prep Date: **10/09/2021**	Run No: **467073**
SampleType: **LCS**	TestCode: **VOLATILE ORGANICS SW8260D**		BatchID: **323792**	Analysis Date: **10/11/2021**	Seq No: **10732039**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	52.32	1.0	50.00		105	78.6	124				
Ethylbenzene	53.99	1.0	50.00		108	78.6	125				
m,p-Xylene	108.1	1.0	100.0		108	78	126				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Pace Analytical Services, Inc.
Project Name: 92565303
Workorder: 2110902

ANALYTICAL QC SUMMARY REPORT

BatchID: 323792

Sample ID: **LCS-323792** Client ID: Units: **ug/L** Prep Date: **10/09/2021** Run No: **467073**
SampleType: **LCS** TestCode: **VOLATILE ORGANICS SW8260D** BatchID: **323792** Analysis Date: **10/11/2021** Seq No: **10732039**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
o-Xylene	53.34	1.0	50.00		107	77.1	124				
Toluene	53.17	1.0	50.00		106	77.7	125				
Surr: 4-Bromofluorobenzene	51.24	0	50.00		102	74.9	127				

Sample ID: **2110323-001AMS** Client ID: Units: **mg/L** Prep Date: **10/09/2021** Run No: **467000**
SampleType: **MS** TestCode: **GASOLINE RANGE ORGANICS SW8015C** BatchID: **323792** Analysis Date: **10/12/2021** Seq No: **10733824**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
TPH (Gasoline Range Organics)	14.87	0.50	1.000	15.17	-29.8	69.1	134				S
Surr: a.a.a-trifluorotoluene	0.05978	0	0.0500		120	67.8	133				

Sample ID: **2110902-001AMS** Client ID: **21279-SW-SEEP** Units: **ug/L** Prep Date: **10/09/2021** Run No: **467073**
SampleType: **MS** TestCode: **VOLATILE ORGANICS SW8260D** BatchID: **323792** Analysis Date: **10/11/2021** Seq No: **10732061**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	52.47	1.0	50.00		105	70.5	136				
Ethylbenzene	54.61	1.0	50.00		109	70	134				
m,p-Xylene	109.4	1.0	100.0		109	66.3	138				
o-Xylene	53.71	1.0	50.00		107	67.1	136				
Toluene	53.73	1.0	50.00		107	66.4	140				
Surr: 4-Bromofluorobenzene	50.62	0	50.00		101	74.9	127				

Sample ID: **2110323-001AMSD** Client ID: Units: **mg/L** Prep Date: **10/09/2021** Run No: **467000**
SampleType: **MSD** TestCode: **GASOLINE RANGE ORGANICS SW8015C** BatchID: **323792** Analysis Date: **10/12/2021** Seq No: **10733825**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
TPH (Gasoline Range Organics)	14.72	0.50	1.000	15.17	-45.8	69.1	134	14.87	1.08	21.7	S
Surr: a.a.a-trifluorotoluene	0.05879	0	0.0500		118	67.8	133	0.05978	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Pace Analytical Services, Inc.
Project Name: 92565303
Workorder: 2110902

ANALYTICAL QC SUMMARY REPORT

BatchID: 323792

Sample ID: **2110902-001AMSD** Client ID: **21279-SW-SEEP** Units: **ug/L** Prep Date: **10/09/2021** Run No: **467073**
SampleType: **MSD** TestCode: **VOLATILE ORGANICS SW8260D** BatchID: **323792** Analysis Date: **10/11/2021** Seq No: **10732063**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	53.30	1.0	50.00		107	70.5	136	52.47	1.57	20	
Ethylbenzene	52.23	1.0	50.00		104	70	134	54.61	4.46	20	
m,p-Xylene	104.8	1.0	100.0		105	66.3	138	109.4	4.35	20	
o-Xylene	51.66	1.0	50.00		103	67.1	136	53.71	3.89	20	
Toluene	51.45	1.0	50.00		103	66.4	140	53.73	4.34	20	
Surr: 4-Bromofluorobenzene	50.86	0	50.00		102	74.9	127	50.62	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

End of Report

APPENDIX B

WELL ABANDONMENT FORMS

WELL ABANDONMENT RECORD

For Internal Use ONLY:

1. Well Contractor Information:
michael e
Well Contractor Name (or well owner personally abandoning well on his/her property)

4445-b
NC Well Contractor Certification Number

mccall brothers inc
Company Name

2. Well Construction Permit #: _____
List all applicable well construction permits (i.e. UIC, County, State, Variance, etc.) if known

3. Well use (check well use):

Water Supply Well:	
☐Agricultural	☐Municipal/Public
☐Geothermal (Heating/Cooling Supply)	●Residential Water Supply (single)
☐Industrial/Commercial	☐Residential Water Supply (shared)
☐Irrigation	
Non-Water Supply Well:	
☐Monitoring	☐Recovery
Injection Well:	
☐Aquifer Recharge	☐Groundwater Remediation
☐Aquifer Storage and Recovery	☐Salinity Barrier
☐Aquifer Test	☐Stormwater Drainage
☐Experimental Technology	☐Subsidence Control
☐Geothermal (Closed Loop)	☐Tracer
☐Geothermal (Heating/Cooling Return)	☐Other (explain under 7g)

4. Date well(s) abandoned: 10/15/2021

5a. Well location:
colonial pipeline
Facility/Owner Name | Facility ID# (if applicable)

13926 huntersville-concord rd
Physical Address, City, and Zip

mecklenburg
County | Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

_____ N _____ W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED
Attach well construction record(s) if available. For multiple injection or non-water supply wells ONLY with the same construction/abandonment, you can submit one form.

6a. Well ID#: _____

6b. Total well depth: 70 (ft.)

6c. Borehole diameter: 2 (in.)

6d. Water level below ground surface: 16 (ft.)

6e. Outer casing length (if known): _____ (ft.)

6f. Inner casing/tubing length (if known): _____ (ft.)

6g. Screen length (if known): _____ (ft.)

WELL ABANDONMENT DETAILS

7a. For Geoprobe/DPT or Closed-Loop Geothermal Wells having the same well construction/depth, only 1 GW-30 is needed. Indicate TOTAL NUMBER of wells abandoned: _____

7b. Approximate volume of water remaining in well(s): _____ (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: granular chlorine

7d. Amount of disinfectant used: _____

7e. Sealing materials used (check all that apply):

☐ Neat Cement Grout	● Bentonite Chips or Pellets
☐ Sand Cement Grout	☐ Dry Clay
☐ Concrete Grout	☐ Drill Cuttings
☐ Specialty Grout	☐ Gravel
☐ Bentonite Slurry	☐ Other (explain under 7g)

7f. For each material selected above, provide amount of materials used:
1x50 lbs bentonite chips

7g. Provide a brief description of the abandonment procedure:
travel to site. pull jet,chlorinate well, pour bentonite into well slowly,hydrated

8. Certification:

Signature of Certified Well Contractor or Well Owner | Date: 10/15/2021

By signing this form, I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

9. Site diagram or additional well details:
You may use the back of this page to provide additional well site details or well abandonment details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.

APPENDIX C

BORING LOGS AND GW-1 FORMS

BORING NUMBER MW-04D

Apex Companies

CLIENT Colonial Pipeline
PROJECT NAME 2020-L1-SR2448
PROJECT NUMBER CPC21018
PROJECT LOCATION Huntersville, NC
DATE/TIME STARTED 2021-09-17 00:00 **COMPLETED** 2021-09-24 00:00 **GROUND ELEVATION** 712.28 ft **TOP OF CASING** 712.63 ft
DRILLING CONTRACTOR Parratt-Wolff
EQUIPMENT CME 550X
DRILLER Kevin White
GROUND WATER LEVELS AND TIME:
LOGGED BY JSH/JDS **BOREHOLE DIAMETER** 8 in.
DURING DRILLING ---
METHOD Hollow Stem Auger 8.25"
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA	GRAPHIC LOG	MATERIAL DESCRIPTION	COMMENTS	WELL DIAGRAM
0	GB 1					Casing Type: 4
	GB 2			10.0		702.3
10	SPT 3	PID = 1		12.0 SILTY SAND, (SM) dark yellow brown 10YR 4/6, dry, some coarse sand, trace organics, no odor, saprolite, trace pebbles		700.3
	SPT 4	PID = 1.1		17.0		695.3
20	SPT 5	PID = 2		22.0 SILT, (ML) light red brown 2.5YR 6/4, dry, some mica, trace medium sand, no odor, saprolite, dioritic, oxidized		690.3
	SPT 6	PID = 1.9		27.0		685.3
30	SPT 7	PID = 2.5		32.0 SILT, (ML) light red brown 2.5YR 6/4, dry, some mica, trace medium sand, no odor, saprolite, dioritic, oxidized		680.3
	SPT 8	PID = 0.7		37.0		675.3
40	SPT 9	PID = 1.2 PID = 0.4		42.0 44.0 SILTY SAND, (SM) light olive brown 2.5Y 5/4, dry, trace mica, some medium sand, no odor, saprolite, dioritic, oxidized, trace pebbles	Stopped drilling on 9/17, cont. on 9/20, continuous sampling	670.3 668.3 ← 4-in PVC isolation casing with Portland Grout Type 1/11
	SPT 10	PID = 0.3 PID = 0.3 PID = 0.2		50.0 52.0		662.3 660.3
50	SPT 11	PID = 0.4 PID = 0.8		57.0 SILTY SAND, (SM) light olive brown 2.5Y 5/4, moist, trace mica, some medium sand, no odor, saprolite, dioritic, oxidized, trace pebbles	Switched to 5' centers, lack of vapors and uniform samples	655.3
	SPT 12	PID = 0.8		62.0		650.3
60	SPT 13	PID = 0.2		67.0	Ended HSA drilling, hidden fractured bedrock zone, cont. with air hammer to competant rock.	645.3
	SPT 14			72.0 SILTY SAND, (SM) light olive brown 2.5Y 5/4, moist, trace mica, some medium sand, no odor, saprolite, dioritic, oxidized, trace pebbles		640.3
70	SPT 15			77.0 78.0	5' push (69-72') through unconsolidated fractured bedrock with air hammer	635.3 634.3
	SPT 16			SILTY SAND, (SM) dark yellow brown 10YR 4/6, saturated, some medium to coarse sand, with clay, no odor, very oxidized, clay layer at 41'		
80	SPT 17					
	SPT 18					
90	SPT 19			SILTY SAND, (SM) dark yellow brown 10YR 4/6, saturated, some coarse sand, some, no odor, saprolite, oxidized, some weathered pink feldspars	Fracture <0.1' thick	
	SPT 20					
100	SPT 21					
				SILTY SAND, (SM) red brown 2.5YR 5/4, saturated, no odor, saprolite, dioritic, some oxidation		← Open Borehole
110				SILTY SAND, (SM) dark yellow brown 10YR 4/6, saturated, some coarse sand, trace mica, no odor, saprolite, dioritic, oxidized		
				SILTY SAND, (SM) red brown 2.5YR 5/4, saturated, some coarse sand, trace mica, no odor, saprolite, dioritic, oxidized		
120				143.0	Boring generated ~30 gallons of water during 1 hour break	569.3
				SILTY SAND, (SM) dark yellow brown 10YR 4/6, saturated, some coarse sand, trace cobbles, no odor, saprolite,		
130						
140						

(Continued Next Page)

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BORING NUMBER MW-04D

Apex Companies

CLIENT Colonial Pipeline **PROJECT NAME** 2020-L1-SR2448

PROJECT NUMBER CPC21018 **PROJECT LOCATION** Huntersville, NC

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA	GRAPHIC LOG	MATERIAL DESCRIPTION	COMMENTS	WELL DIAGRAM
				heavily oxidized SILTY SAND, (SM) dark yellow brown 10YR 4/6, saturated, some coarse sand, trace cobbles, no odor, saprolite, heavily oxidized Bottom of borehole at 143.0 feet.		

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BORING NUMBER MW-91DD

Apex Companies

CLIENT Colonial Pipeline
PROJECT NAME 2020-L1-SR2448
PROJECT NUMBER CPC21018
PROJECT LOCATION Huntersville, NC
DATE/TIME STARTED 2021-08-16 00:00 **COMPLETED** 2021-09-08 00:00 **GROUND ELEVATION** 732.55 ft **TOP OF CASING** 735.19 ft
DRILLING CONTRACTOR Walker-Hill Environmental
EQUIPMENT Versa-Drill V-1000X
DRILLER Kevin White
GROUND WATER LEVELS AND TIME:
LOGGED BY C. Reeves **BOREHOLE DIAMETER** 6"/10" in.
DURING DRILLING ---
METHOD Air Rotary 6"/10"
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA	GRAPHIC LOG	MATERIAL DESCRIPTION	COMMENTS
0				LEAN CLAY, SILTY, (CL)	Recovery Data Not Available
8.0				SILT, CLAYEY, (ML)	
13.0				Elevated odor	
22.0				SANDY SILT, (SM)	
26.0					Soft zone (72-74'), potential fractures Competant bedrock continues (74-188')
200.1 ▼				Bottom of borehole at 200.1 feet.	Softer material, potential fractures Potential fractures (193-193.5')

WELL DIAGRAM

Casing Top Elev: 735.19 (ft)
Well Diameter: 16

724.6
719.6 — 16" Steel Casing
710.6
706.6 — 10" Steel Casing
6" Steel Casing
Rock Bore
532.5

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WELL CONSTRUCTION RECORD (GW-1)

For Internal Use Only:

1. Well Contractor Information:

Francis Xavier Harrington
Well Contractor Name

4389A
NC Well Contractor Certification Number

Walker Hill Environmental
Company Name

2. Well Construction Permit #:
List all applicable well construction permits (i.e. UIC, County, State, Variance, etc.)

3. Well Use (check well use):

Water Supply Well:
- ☐ Agricultural
- ☐ Geothermal (Heating/Cooling Supply)
- ☐ Industrial/Commercial
- ☐ Irrigation
- ☐ Municipal/Public
- ☐ Residential Water Supply (single)
- ☐ Residential Water Supply (shared)

Non-Water Supply Well:
- ☒ Monitoring
- ☐ Recovery

Injection Well:
- ☐ Aquifer Recharge
- ☐ Aquifer Storage and Recovery
- ☐ Aquifer Test
- ☐ Experimental Technology
- ☐ Geothermal (Closed Loop)
- ☐ Geothermal (Heating/Cooling Return)
- ☐ Groundwater Remediation
- ☐ Salinity Barrier
- ☐ Stormwater Drainage
- ☐ Subsidence Control
- ☐ Tracer
- ☐ Other (explain under #21 Remarks)

4. Date Well(s) Completed: 8/23/2021 Well ID# MW-91DD

5a. Well Location:

Colonial Pipeline
Facility/Owner Name

Facility ID# (if applicable)

14511 Huntersville-Concord Road Huntersville 28078
Physical Address, City, and Zip

Mecklenburg
County

01940102
Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35.413943 N 80.806095 W

6. Is(are) the well(s): ☒ Permanent or ☐ Temporary

7. Is this a repair to an existing well: ☐ Yes or ☒ No
If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. For Geoprobe/DPT or Closed-Loop Geothermal Wells having the same construction, only 1 GW-1 is needed. Indicate TOTAL NUMBER of wells drilled: 1

9. Total well depth below land surface: 200.1 (ft.)
For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: 198.94 (ft.)
If water level is above casing, use "+"

11. Borehole diameter: 20, 15, 10 (in.)

12. Well construction method: Air Rotary
(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ Method of test: _____

13b. Disinfection type: _____ Amount: _____

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0 ft.	26 ft.	16 in.	.375	Steel

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0 ft.	47 ft.	10 in.	.365	Steel
0 ft.	120 ft.	6" in.	.280	Steel

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
ft.	ft.	in.			
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0 ft.	26 ft.	Concrete	Pour 1.75 Yards
0 ft.	47 ft.	Cement	Trimmie 153-Bags
0 ft.	120 ft.	Cement	Trimmie 137-Bags

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
ft.	ft.		
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
0 ft.	8 ft.	Red Brown Silty Clay
8 ft.	13 ft.	Brown Silty Sand
13 ft.	22 ft.	Hard Diorite
22 ft.	26 ft.	Silty Sand
26 ft.	72 ft.	Hard Diorite
72 ft.	74 ft.	Soft Diorite
74 ft.	188 ft.	Hard Diorite
188'	191'	Soft Diorite
191	200.1'	Hard Dirote

21. REMARKS

Potential Fracture 193' - 193.5'

22. Certification:

Francis Xavier Harrington 10/9/2021
Signature of Certified Well Contractor Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:
You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

24b. For Injection Wells: In addition to sending the form to the address in 24a above, also submit one copy of this form within 30 days of completion of well construction to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

24c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.

BORING NUMBER MW-91DD

Apex Companies

CLIENT Colonial Pipeline
PROJECT NAME 2020-L1-SR2448
PROJECT NUMBER CPC21018
PROJECT LOCATION Huntersville, NC
DATE/TIME STARTED 2021-08-16 00:00 **COMPLETED** 2021-09-08 00:00
GROUND ELEVATION 732.55 ft **TOP OF CASING** 735.19 ft
DRILLING CONTRACTOR Walker-Hill Environmental
EQUIPMENT Versa-Drill V-1000X
DRILLER Kevin White
GROUND WATER LEVELS AND TIME:
LOGGED BY C. Reeves **BOREHOLE DIAMETER** 15"/10"/6" in.
DURING DRILLING ---
METHOD Air Rotary 15"/10"/6"
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA	GRAPHIC LOG	MATERIAL DESCRIPTION	COMMENTS
0				LEAN CLAY, SILTY, (CL)	Recovery Data Not Available
8.0				SILT, CLAYEY, (ML)	
13.0				Elevated odor	
22.0				SANDY SILT, (SM)	
26.0					Soft zone (72-74'), potential fractures Competant bedrock continues (74-188')
200.1				Bottom of borehole at 200.1 feet.	Softer material, potential fractures Potential fractures (193-193.5')

724.6
719.6
710.6
706.6
532.5

WELL DIAGRAM

Casing Top Elev: 735.19 (ft)
Well Diameter: 16

16" Steel Casing
10" Steel Casing
6" Steel Casing
Rock Bore

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WELL CONSTRUCTION RECORD (GW-1)

For Internal Use Only:

1. Well Contractor Information:

Francis Xavier Harrington
Well Contractor Name

4389A
NC Well Contractor Certification Number

Walker Hill Environmental
Company Name

2. Well Construction Permit #: _____
List all applicable well construction permits (i.e. UIC, County, State, Variance, etc.)

3. Well Use (check well use):

Water Supply Well:
- ☐ Agricultural
- ☐ Geothermal (Heating/Cooling Supply)
- ☐ Industrial/Commercial
- ☐ Irrigation
- ☐ Municipal/Public
- ☐ Residential Water Supply (single)
- ☐ Residential Water Supply (shared)

Non-Water Supply Well:
- ☒ Monitoring
- ☐ Recovery

Injection Well:
- ☐ Aquifer Recharge
- ☐ Aquifer Storage and Recovery
- ☐ Aquifer Test
- ☐ Experimental Technology
- ☐ Geothermal (Closed Loop)
- ☐ Geothermal (Heating/Cooling Return)
- ☐ Groundwater Remediation
- ☐ Salinity Barrier
- ☐ Stormwater Drainage
- ☐ Subsidence Control
- ☐ Tracer
- ☐ Other (explain under #21 Remarks)

4. Date Well(s) Completed: 9/8/2021 Well ID# MW-9000

5a. Well Location:

Colonial Pipeline
Facility/Owner Name

Facility ID# (if applicable)

14511 Huntersville-Concord Road Huntersville 28078
Physical Address, City, and Zip

Mecklenburg
County

01940102
Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees: (if well field, one lat/long is sufficient)

35.414436 N 80.806088 W

6. Is(are) the well(s): ☒ Permanent or ☐ Temporary

7. Is this a repair to an existing well: ☐ Yes or ☒ No
If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. For Geoprobe/DPT or Closed-Loop Geothermal Wells having the same construction, only 1 GW-1 is needed. Indicate TOTAL NUMBER of wells drilled: 1

9. Total well depth below land surface: 193.6 (ft.)
For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: 126 (ft.)
If water level is above casing, use "-"

11. Borehole diameter: 20, 15, 10 (in.)

12. Well construction method: Air Rotary
(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ Method of test: _____

13b. Disinfection type: _____ Amount: _____

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0 ft.	17 ft.	16 in.	.375	Steel

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0 ft.	22.5 ft.	10 in.	.365	Steel
0 ft.	119 ft.	6 in.	.280	Steel

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
ft.	ft.	in.			
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0 ft.	17 ft.	Bentonite	Poured / 15-Bags
0 ft.	22.5 ft.	Cement	Tremie / 48-Bags
0 ft.	119 ft.	Cement	Tremie / 45-Bags

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
ft.	ft.		
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
0 ft.	8 ft.	Red Brown Silty Clay
8 ft.	17.5 ft.	Red Brown Clayey Silt
17.5 ft.	193.6 ft.	Diorite
ft.	ft.	56'-57' Fracture
ft.	ft.	66'-67' Fracture
ft.	ft.	154' Fracture
ft.	ft.	177'-178' Fracture

21. REMARKS

Pulled 16 in. Casing, it was Tempary Casing

22. Certification:

Francis Xavier Harrington 10/9/2021
Signature of Certified Well Contractor Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:
You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

24b. For Injection Wells: In addition to sending the form to the address in 24a above, also submit one copy of this form within 30 days of completion of well construction to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

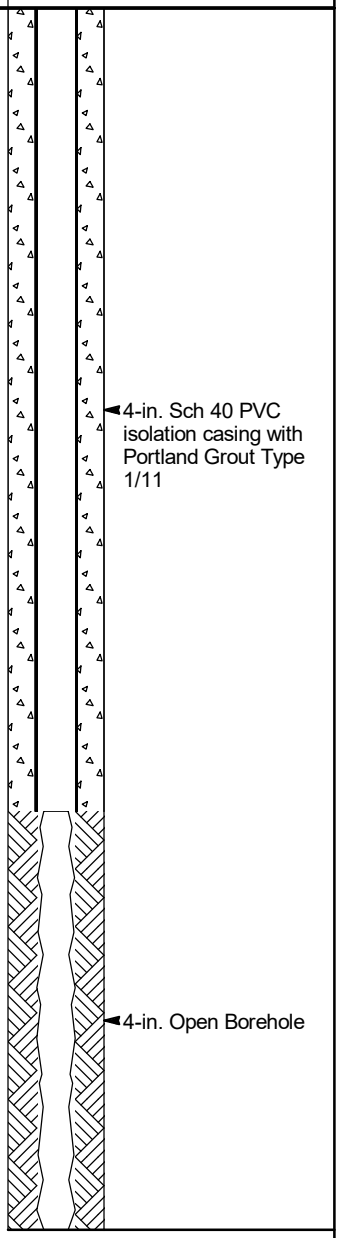
24c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.

BORING NUMBER MW-97D

Apex Companies

CLIENT Colonial Pipeline
PROJECT NAME 2020-L1-SR2448
PROJECT NUMBER CPC21018
PROJECT LOCATION Huntersville, NC
DATE/TIME STARTED 2021-09-25 00:00 **COMPLETED** 2021-10-07 00:00 **GROUND ELEVATION** _____ **TOP OF CASING** _____
DRILLING CONTRACTOR Parratt-Wolff
EQUIPMENT CME 550X
DRILLER Gary Ellingworth
GROUND WATER LEVELS AND TIME:
LOGGED BY JSH **BOREHOLE DIAMETER** 6.25 in.
DURING DRILLING ---
METHOD HSA
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA	GRAPHIC LOG	MATERIAL DESCRIPTION	COMMENTS
0					
		PID = 3.6		5.0 LEAN CLAY, SILTY, (CL) dark red 10R 3/4, dry, trace organics, no odor, micaceous	
		PID = 1.4		10.0 LEAN CLAY, SILTY, (CL) red brown 5YR 5/4, dry, trace organics, no odor, micaceous	
10	SS 1	PID = 2.2		12.0 SILT, SANDY, (ML) strong brown 7.5YR 5/8, dry, some mica, trace organics, no odor, saprolite, oxidized	
	SS 2	PID = 4.7		17.0 SILT, SANDY, (ML) strong brown 7.5YR 5/8, dry, some mica, trace organics, no odor, saprolite, oxidized	
20	SS 3	PID = 1.9		22.0 SILT, CLAYEY, (ML) light olive brown 2.5Y 5/4, moist, some coarse sand, no odor, saprolite, micaceous, dioritic, oxidized	Soil Sample (20-22') @ 1610
	SS 4	PID = 1.6		27.0 SILT, SANDY, (ML) dark yellow brown 10YR 4/6, moist, some coarse sand, no odor, saprolite, micaceous, dioritic, oxidized	
30	SS 5	PID = 3		32.0 SILTY SAND, (SM) dark yellow brown 10YR 4/6, moist, some coarse sand, no odor, saprolite, micaceous, dioritic, oxidized	
	SS 6	PID = 3.9		37.0 SILTY SAND, (SM) dark yellow brown 10YR 4/6, moist, some coarse sand, no odor, saprolite, micaceous, dioritic, oxidized	
40	SS 7	PID = 5.7		42.0 SILTY SAND, (SM) dark yellow brown 10YR 4/6, saturated, some coarse sand, trace cobbles, no odor, saprolite, micaceous, dioritic, oxidized	
	SS 8			47.0 SILTY SAND, (SM) light brown gray 2.5Y 6/2, saturated, some coarse sand, some cobbles, no odor, saprolite, dioritic	
50	SS 9	PID = 4		52.0 SILTY SAND, (SM) light brown gray 2.5Y 6/2, saturated, some coarse sand, some cobbles, no odor, saprolite, dioritic, micaceous	End HSA drilling due to hard fractured bedrock. Start air hammer. Soil Sample (60-62') @ 1615 Very high recharge, water refilling between pushes when rods are added. Hard zone encountered, pushed through to soft underneath. Added water to mitigate sedimentation from spoils. Pulled air hammer and use auger due to collapsing concerns. Competant rock More sediment at surface than can be accounted for with drilling activities, stopping work (79-83') Quartz diorite with abundant amphibores, some micas, some epidote. Reinserted air hammer tooling. Small fracture (2-4"), no apparent water. About 2 gallons of water produced after waiting 10 minutes. Bore evacuated twice before pulling tooling about 10 minutes apart. 7-10 gallons purged each time. 10.5' under lowest fracture.
60	SS 10	PID = 5.5		57.0 SILTY SAND, (SM) dark yellow brown 10YR 4/6, saturated, trace cobbles, some mica, no odor, saprolite, dioritic, trace oxidation	
	SS 11	PID = 2.6		62.0 SILTY SAND, (SM) dark yellow brown 10YR 4/6, saturated, trace cobbles, some mica, no odor, saprolite, dioritic, trace oxidation	
70					
80					
90					
100					
110					
120					
130				Bottom of borehole at 134.6 feet.	



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APPENDIX D

GROUNDWATER SAMPLING LOGS

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-01	DATE: 10/7/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 21.88 ft. to 36.88 ft.	DEPTH TO WATER (feet): 29.22	PUMP TYPE OR BAILER: Monsoon XL

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(36.88 ft. - 29.22 ft.) x 0.16 gal./ft. = 1.23 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

1.23 gallons x 3 = 3.69 gallons

PUMP DEPTH IN WELL (feet): 34	PURGING INITIATED AT: 1400	PURGING ENDED AT: 1420	TOTAL VOLUME PURGED (gallons): 2.5

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-5000 & U-52; SERIAL #: 15C104372

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.Oil; SERIAL #: 01-8345

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1405	1.0	0.2	29.75	16.0	7.47	100.5	6.03	353.1	144.6	clear	none
1410	1.5		29.75	15.9	7.36	99.7	6.10	354.1	42.1		
1415	2.0		29.75	16.1	7.22	99.6	6.12	353.9	40.7		
1420	2.5		29.75	16.0	7.20	99.6	6.13	354.9	41.8		

Mike deKozlowski 10/7/21

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Mike deKozlowski / AECOM	SAMPLER(S) SIGNATURE(S): Mike deKozlowski	SAMPLE TIME: 1430

PUMP OR TUBING DEPTH IN WELL (feet): 34	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-01	4	AG	40 mL	HCl	40 mL x 4	6.13	6200	ESP	0.2
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
~~---~~	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS: Heavy rain

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-02	DATE: 9/27/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 22.11 ft. to 37.11 ft.	DEPTH TO WATER (feet): 29.14	PUMP TYPE OR BAILER: Monsoon

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY
(37.11 ft. - 29.14 ft.) x 0.16 gal./ft. = 1.28 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3
1.28 gallons x 3 = 3.84 gallons

PUMP DEPTH IN WELL (feet): 34.14	PURGING INITIATED AT: 1245	PURGING ENDED AT: 1305	TOTAL VOLUME PURGED (gallons): 2.0

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-52 — SERIAL #: TGVXX8T

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron Inst — SERIAL #: 01-8347

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1245	0	0.1	34.14	17.87	8.91	0.088	6.71	158	355	—	—
1250	0.5	0.1	34.19	17.69	7.45	0.090	6.57	175	285	—	—
1255	1.0	0.1	34.20	17.73	7.47	0.090	6.57	168	313	—	—
1300	1.5	0.1	34.20	17.75	7.57	0.091	6.58	165	307	—	—
1305	2.0	0.1	34.22	17.77	7.71	0.092	6.58	166	337	—	—

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jacob Miller / AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 1310

PUMP OR TUBING DEPTH IN WELL (feet): 34.14	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-02	4	AG	40 mL	HCl	40 mL x 4	6.58	6200	ESP	0.1
MW-02	3	AG	40 mL	HCl	40 mL x 3	6.58	VPH		0.1
MW-02	1	PP	250 mL	HNO_3	250 mL	6.58	Lead by 6010		0.1
—	3	AG	40 mL	HCl	40 mL x 3	—	8015		—

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-03	DATE: 10/1/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 20 ft. to 30 ft.	DEPTH TO WATER (feet): 25.33	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(30 ft. - 25.33 ft.) x 0.163 gal./ft. = 0.8 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

0.8 gallons x 3 = 2.4 gallons

PUMP DEPTH IN WELL (feet): 28	PURGING INITIATED AT: 1140	PURGING ENDED AT: 1220	TOTAL VOLUME PURGED (gallons): 3.1

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba / U-52 — SERIAL #: SSUKW14F

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron / H.Oil — SERIAL #: 01.8347

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1140	0.2		25.33	16.23	7.41	0.181	5.92	136	1100+	Cloudy	None
1145	0.7		25.35	15.69	6.64	0.171	5.91	162	273.5	Clear	"
1150	1.1		25.35	16.37	6.21	0.172	5.92	179	231.2	"	"
1155	1.5		25.35	16.45	6.17	0.173	5.93	181	194.9	"	"
1200	1.9		25.35	16.68	6.09	0.176	5.93	184	126.2	"	"
1205	2.2		25.34	16.64	6.06	0.180	5.95	185	80.10	"	"
1210	2.5		25.34	16.61	6.01	0.180	5.94	184	35.55	"	"
1215	2.8		25.34	16.65	5.95	0.181	5.95	184	14.55	"	"
1220	3.1		25.34	16.69	5.90	0.182	5.95	184	0.0	"	"

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: T. Dickey / AECOM	SAMPLER(S) SIGNATURE(S): T	SAMPLE TIME: 1230

PUMP OR TUBING DEPTH IN WELL (feet): 28	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N (replaced)) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-03	4	AG	40 mL	HCl	40 mL x 4	5.95	6200	ESP	
"	3	AG	40 mL	HCl	40 mL x 3	"	VPH	"	
"	1	PP	250 mL	HNO_3	250 mL	"	Lead by 6010	"	
"	3	AG	40 mL	HCl	40 mL x 3	"	8015	"	

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME:	SITE LOCATION:	PROJECT NUMBER:	WELL NAME:	DATE:
2020-L1-2448 Incident	Huntersville, NC	60639876	MW-04	9/27/21

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	DEPTH TO WATER (feet):	PUMP TYPE OR BAILER:
2	1/2	12.78 ft. to 42.78 ft.	31.04	ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY
(42.78 ft. - 31.04 ft.) x 0.16 gal./ft. = 1.88 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3
1.88 gallons x 3 = 5.64 gallons

PUMP DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
37.00	1329	1420	8.01

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-52; SERIAL #: RHC2M75M

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.O.I; SERIAL #: 01.8003

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1329	Initial	0.178	31.71	19.33	12.32	0.081	6.57	215	1000	LightBrown	NA
1334	0.89	0.178	31.95	18.39	9.76	0.081	6.48	222	1000	LightBrown	NA
1339	1.78	0.178	32.18	18.28	9.28	0.081	6.43	231	770	LightBrown	NA
1344	2.67	0.178	32.25	18.30	9.09	0.082	6.42	231	402	Clear	NA
1349	3.56	0.178	32.26	18.37	8.93	0.082	6.45	223	220	Clear	NA
1354	4.45	0.178	32.28	18.22	8.96	0.083	6.47	200	127	Clear	NA
1359	5.34	0.178	32.31	18.09	8.74	0.083	6.54	185	78.5	Clear	NA
1404	6.23	0.178	32.33	18.04	8.66	0.083	6.54	182	40.2	Clear	NA
1409	7.12	0.178	32.36	18.00	8.59	0.083	6.55	179	36.8	Clear	NA
1414	8.01	0.178	32.38	18.03	8.55	0.083	6.55	179	33.2	Clear	NA

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME:
Justin Butler AECOM	Justin	1415

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm
37.00	LDPE		

FIELD DECONTAMINATION: PUMP (Y) N TUBING (Y) N (replaced) DUPLICATE: (Y) N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-04	4	AG	40 mL	HCl	40 mL x 4	6.55	6200	ESP	0.178
MW-04	3	AG	40 mL	HCl	40 mL x 3	6.55	VPH	ESP	0.178
MW-04	1	PP	250 mL	HNO_3	250 mL	6.55	Lead by 6010	ESP	0.178
~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~			~~8015~~		

REMARKS: DUP-1-20210927

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-04D	DATE: 9/29/21

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 137 ft. to 143 ft.	DEPTH TO WATER (feet): 29.34	PUMP TYPE OR BAILER: Bladder

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(143 ft. - 29.34 ft.) x 0.65 gal./ft. = 73.88 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

73.88 gallons x 3 = 221.64 gallons

PUMP DEPTH IN WELL (feet): 138	PURGING INITIATED AT: 0920	PURGING ENDED AT: 1010	TOTAL VOLUME PURGED (gallons): 3.33

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-5000 & U-52 — SERIAL #: CSUUDRK4 &

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.Oil — SERIAL #: 01-6623

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
0925	0.33	0.066	29.83	17.87	4.52	0.218	6.55	175	22.0	clear	none
0930	0.66		30.09	17.85	3.44	0.216	6.83	161	19.1		
0935	1.00		30.20	17.83	2.38	0.215	7.00	147	18.0		
0940	1.33		30.98	17.90	2.04	0.214	7.10	134	15.1		
0945	1.66		31.71	18.00	1.72	0.214	7.17	123	13.3		
0950	2.00		32.14	18.09	1.59	0.214	7.20	117	13.0		
0955	2.33		32.57	18.16	1.46	0.214	7.23	111	12.7		
1000	2.66		32.85	18.17	1.32	0.214	7.25	105	11.2		
1005	3.00		33.10	18.20	1.26	0.214	7.27	103	10.8		
1010	3.33		33.32	18.21	1.20	0.214	7.29	102	10.2		

Mike deKozlowski 9/29/21

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Mike deKozlowski / AECOM	SAMPLER(S) SIGNATURE(S): Mike deKozlowski	SAMPLE TIME: 1015
PUMP OR TUBING DEPTH IN WELL (feet): 138	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: -- FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-04D	4	AG	40 mL	HCl	40 mL x 4	7.29	6200	ESP	0.066
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
~~---~~	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-05	DATE: 9/27/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 12.02 ft. to 42.02 ft.	DEPTH TO WATER (feet): 27.23	PUMP TYPE OR BAILER: Monsoon

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(42.02 ft. - 27.23 ft.) x 0.16 gal./ft. = 2.37 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

2.37 gallons x 3 = 7.11 gallons

PUMP DEPTH IN WELL (feet): 32.23	PURGING INITIATED AT: 1035	PURGING ENDED AT: 1130	TOTAL VOLUME PURGED (gallons): 5.5

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-52 — SERIAL #: TGVXX8T

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron IOW — SERIAL #: 01-8347

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1035	0	0.1	27.88	16.08	9.98	0.082	6.49	193	219	—	—
1040	0.5	0.1	27.89	16.41	9.52	0.088	6.35	176	189	—	—
1045	1.0	0.1	28.02	16.29	9.27	0.089	6.33	169	171	—	—
1050	1.5	0.1	27.93	16.46	8.84	0.091	6.32	164	149	—	—
1055	2.0	0.1	27.91	16.58	8.65	0.092	6.33	160	139	—	—
1100	2.5	0.1	28.15	16.60	8.80	0.093	6.35	159	125	—	—
1105	3.0	0.1	28.22	16.78	8.68	0.93	6.38	158	167	—	—
1110	3.5	0.1	28.29	17.09	8.91	0.93	6.41	155	184	—	—
1115	4.0	0.1	28.33	17.53	9.93	0.094	6.45	158	198	—	—
1120	4.5	0.1	28.37	16.56	8.22	0.091	6.38	150	159	—	—
1125	5.0	0.1	28.42	16.21	8.41	0.091	6.38	150	158	—	—
1130	5.5	0.1	28.44	16.51	8.74	0.091	6.39	153	157	—	—

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jacob Miller / AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 1135

PUMP OR TUBING DEPTH IN WELL (feet): 32.23	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-05	4	AG	40 mL	HCl	40 mL x 4	6.39	6200	ESP	0.1
MW-05	3	AG	40 mL	HCl	40 mL x 3	6.39	VPH		0.1
MW-05	1	PP	250 mL	HNO_3	250 mL	6.39	Lead by 6010		0.1
—	3	AG	40 mL	HCl	40 mL x 3	—	8015		—

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-06	DATE: 9/27/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 12.91 ft. to 42.91 ft.	DEPTH TO WATER (feet): 24.79	PUMP TYPE OR BAILER: Monsoon

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(42.91 ft. - 24.79 ft.) x .16 gal./ft. = 2.90 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

2.90 gallons x 3 = 8.70 gallons

PUMP DEPTH IN WELL (feet): 29.79	PURGING INITIATED AT: 1415	PURGING ENDED AT: 1440	TOTAL VOLUME PURGED (gallons): 2.5

EQUIPMENT INFORMATION WATER QUALITY METER	MAKE/MODEL: Horiba U-52	SERIAL #: TGVXX8T	EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE	MAKE/MODEL: Heron Tool	SERIAL #: 01-8347

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1415	0	0.1	24.10	17.81	7.50	0.123	6.47	189	418		
1420	0.5	0.1	24.19	17.67	5.90	0.121	6.37	187	155		
1425	1.0	0.1	24.29	17.71	5.86	0.111	6.35	189	125		
1430	1.5	0.1	24.47	17.51	5.97	0.109	6.35	187	71.3		
1435	2.0	0.1	24.51	17.48	5.94	0.108	6.36	190	67.9		
1440	2.5	0.1	24.60	17.49	6.00	0.108	6.36	191	65.3		

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jacob Miller / AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 1445

PUMP OR TUBING DEPTH IN WELL (feet): 29.79	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW06	4	AG	40 mL	HCl	40 mL x 4	6.36	6200	ESP	0.1
MW-06	3	AG	40 mL	HCl	40 mL x 3	6.36	VPH		0.1
MW-06	1	PP	250 mL	HNO_3	250 mL	6.36	Lead by 6010		0.1
—	3	AG	40 mL	HCl	40 mL x 3	—	8015		—

REMARKS:

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MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-07	DATE: 9/28/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 23 ft. to 38 ft.	DEPTH TO WATER (feet): 35.08	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(_____ ft. - _____ ft.) x _____ gal./ft. = _____ gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

_____ gallons x 3 = _____ gallons

PUMP DEPTH IN WELL (feet): 37	PURGING INITIATED AT: 1125	PURGING ENDED AT: 1235	TOTAL VOLUME PURGED (gallons): 6.0

EQUIPMENT INFORMATION WATER QUALITY METER	MAKE/MODEL: Horiba/U-52 SERIAL #: SSUKW14F	EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE	MAKE/MODEL: Heron/H-Oil SERIAL #: 01-8347

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1125	0.3		35.10	18.07	3.21	0.157	6.57	184	1000+	Cloudy	None
1130	0.8		35.09	17.87	3.31	0.159	6.50	191	1000+	"	"
1135	1.2		35.09	17.97	3.33	0.161	6.47	192	723	"	"
1140	1.6		35.09	18.05	3.62	0.163	6.47	189	744	"	"
1145	2.1		35.09	18.09	3.71	0.163	6.47	175	575	"	"
1150	2.5		35.09	18.20	3.74	0.163	6.47	174	427	"	"
1155	3.0		35.09	18.21	3.75	0.162	6.47	172	289	"	"
1200	3.4		35.09	18.25	3.72	0.163	6.46	160	135	"	"
1205	3.9		35.09	18.17	4.44	0.162	6.45	161	146	"	"
1210	4.4		35.09	18.19	4.46	0.162	6.46	161	139	"	"
1215	4.9		35.09	18.21	4.52	0.162	6.46	161	148	"	"

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: T. Dickey	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 1230
PUMP OR TUBING DEPTH IN WELL (feet): 37	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: -- FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N (replaced)) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-07	4	AG	40 mL	HCl	40 mL x 4	6.46	6200	ESP	
"	3	AG	40 mL	HCl	40 mL x 3	"	VPH	"	
"	1	PP	250 mL	HNO_3	250 mL	"	Lead by 6010	"	
"	3	AG	40 mL	HCl	40 mL x 3	"	8015	"	

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-07D	DATE: 09/27/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: ft. to 138 ft.	DEPTH TO WATER (feet): 32.54	PUMP TYPE OR BAILER: Bladder

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(138 ft. - 32.54 ft.) x 0.16 gal./ft. = 16.87 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

16.87 gallons x 3 = 50.61 gallons

PUMP DEPTH IN WELL (feet): 132	PURGING INITIATED AT: 1330	PURGING ENDED AT: 1415	TOTAL VOLUME PURGED (gallons): 2.25

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-5000 & U-52 — SERIAL #: CSUUDRK4 &

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: — SERIAL #:

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1345	0.75	0.05	33.82	16.71	0.00	0.371	7.68	-41	9.2	Clear	None
1350	1.0		34.20	16.58	0.00	0.361	7.72	-56	2.0		
1355	1.25		34.55	16.61	0.00	0.349	7.69	-59	0.0		
1400	1.50		34.68	16.61	0.00	0.336	7.69	-55	0.0		
1405	1.75		34.79	16.54	0.00	0.328	7.66	-45	0.0		
1410	2.00		34.80	16.57	0.00	0.327	7.63	-43	0.0		
1415	2.25		34.80	16.56	0.00	0.324	7.63	-38	0.0		

Mike de Kozlowski 9/27/21

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Mike de Kozlowski / AECOM	SAMPLER(S) SIGNATURE(S): Mike de Kozlowski	SAMPLE TIME: 1425
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: -- FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N (replaced)) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-07D	4	AG	40 mL	HCl	40 mL x 4	7.63	6200	ESP	0.05
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
~~—~~	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-08	DATE: 10/4/21

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 15 ft. to 45 ft.	DEPTH TO WATER (feet): 33.01	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(45 ft. - 33.01 ft.) x 0.65 gal./ft. = 7.8 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

7.8 gallons x 3 = 23.4 gallons

PUMP DEPTH IN WELL (feet): 43	PURGING INITIATED AT: 1040	PURGING ENDED AT: 1120	TOTAL VOLUME PURGED (gallons): 3.8

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba / U-52 — SERIAL #: SSUKW14F

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron / H.Oil — SERIAL #: 01.8347

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1045	0.3		33.01	18.79	7.72	0.143	6.25	185	38.62	Clear	None
1050	0.8		33.02	18.28	7.36	0.142	6.24	178	29.24	"	"
1056	1.3		33.02	18.38	7.12	0.140	6.25	175	21.48	"	"
1100	1.8		33.02	18.50	7.05	0.140	6.25	174	13.97	"	"
1105	2.3		33.02	18.47	7.02	0.140	6.26	174	13.09	"	"
1110	2.8		33.02	18.38	7.00	0.140	6.25	176	8.67	"	"
1115	3.3		33.08	18.34	6.99	0.140	6.26	176	4.98	"	"
1120	3.8		33.02	18.38	7.01	0.140	6.25	176	3.55	"	"

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: T. Dickey / AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 1130

PUMP OR TUBING DEPTH IN WELL (feet): 43	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-08	4	AG	40 mL	HCl	40 mL x 4	6.25	6200	ESP	
"	3	AG	40 mL	HCl	40 mL x 3	"	VPH	"	
"	1	PP	250 mL	HNO_3	250 mL	"	Lead by 6010	"	
	3	AG	40 mL	HCl	40 mL x 3		8015		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-09	DATE: 9/29/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 26.96 ft. to 41.96 ft.	DEPTH TO WATER (feet): 31.34	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY
(41.96 ft. - 31.34 ft.) x 0.16 gal./ft. = 1.70 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3
1.70 gallons x 3 = 5.10 gallons

PUMP DEPTH IN WELL (feet): 36.50	PURGING INITIATED AT: 1219	PURGING ENDED AT: 1255	TOTAL VOLUME PURGED (gallons): 4.00

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-52 — SERIAL #: RHC2M75M

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.01 — SERIAL #: 01.8003

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1219	Initial	0.16	32.30	17.76	8.87	0.146	6.21	209	109	clear	NA
1224	0.8	0.16	32.48	17.31	5.04	0.146	6.14	196	11.5	Clear	NA
1229	1.6	0.16	32.69	17.24	4.87	0.146	6.12	206	31.9	clear	NA
1234	2.4	0.16	32.73	17.14	4.93	0.145	6.11	210	11.6	clear	NA
1239	3.2	0.16	32.80	17.20	4.94	0.144	6.10	214	2.5	clear	NA
1244	4.0	0.16	32.87	17.23	4.99	0.143	6.10	217	0.0	clear	NA

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Justin Butler AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 1245

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y N (replaced) DUPLICATE: (Y) N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-09	4	AG	40 mL	HCl	40 mL x 4	6.10	6200	ESP	0.16
MW-09	3	AG	40 mL	HCl	40 mL x 3	6.10	VPH	ESP	0.16
MW-09	1	PP	250 mL	HNO_3	250 mL	6.10	Lead by 6010	ESP	0.16
	3	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS: DUP-1-20210929

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-12	DATE: 9/27/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 20.94 ft. to 40.94 ft.	DEPTH TO WATER (feet): 33.34	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY
(40.94 ft. - 33.34 ft.) x 0.16 gal./ft. = 1.22 gallons

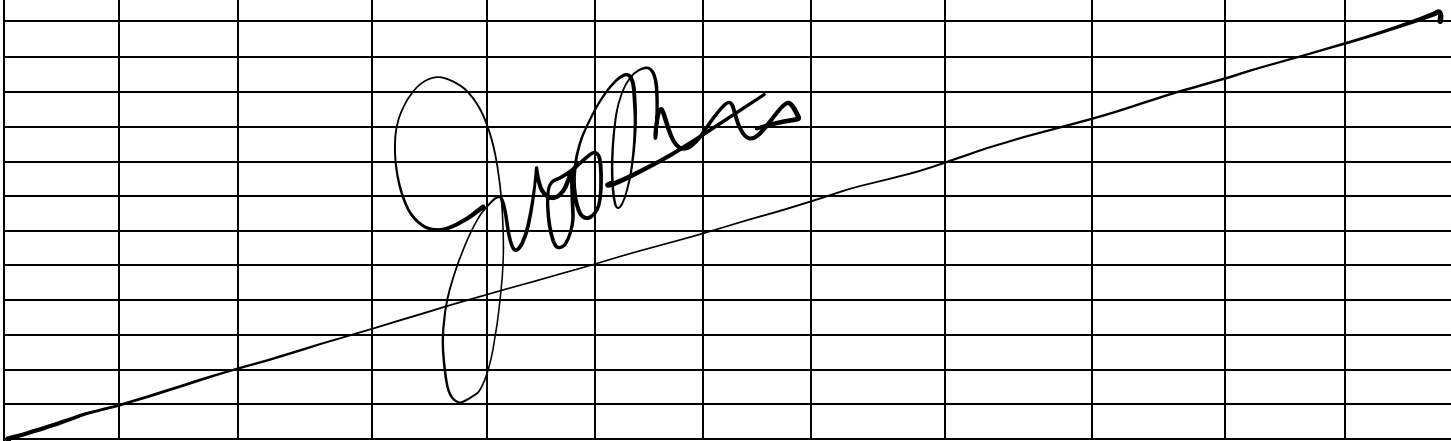
3 WELL VOLUMES = 1 WELL VOLUME X 3
1.22 gallons x 3 = 3.66 gallons

PUMP DEPTH IN WELL (feet): 37.00	PURGING INITIATED AT: 1153	PURGING ENDED AT: 1250	TOTAL VOLUME PURGED (gallons): 6.03

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-52 — SERIAL #: RHC2M75M

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.O.I — SERIAL #: 01.8003

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1155	Initial	0.134	33.92	17.96	8.60	0.185	6.59	186	183	Clear	NA
1200	0.67	0.134	34.27	18.41	8.06	0.186	6.58	216	130	Clear	NA
1205	1.34	0.134	34.51	18.33	8.07	0.188	6.59	201	122	Clear	NA
1210	2.01	0.134	34.99	18.20	7.81	0.190	6.61	197	103	Clear	NA
1215	2.68	0.134	35.26	18.24	7.62	0.189	6.60	183	88.8	Clear	NA
1220	3.35	0.134	35.43	18.33	7.45	0.187	6.59	151	59.0	Clear	NA
1225	4.02	0.134	35.62	18.30	7.48	0.185	6.58	126	46.7	Clear	NA
1230	4.69	0.134	35.82	18.27	7.52	0.183	6.56	105	22.3	Clear	NA
1235	5.36	0.134	35.98	18.21	7.55	0.184	6.57	105	15.7	Clear	NA
1240	6.03	0.134	36.11	18.24	7.54	0.189	6.57	103	17.2	Clear	NA



WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Justin Butler AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 1245

PUMP OR TUBING DEPTH IN WELL (feet): 37.00	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING (Y) N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-12	4	AG	40 mL	HCl	40 mL x 4	6.57	6200	ESP	0.134
MW-12	3	AG	40 mL	HCl	40 mL x 3	6.57	VPH	ESP	0.134
MW-12	1	PP	250 mL	HNO_3	250 mL	6.57	Lead by 6010	ESP	0.134
	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-13	DATE: 10/04/2021
WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 15 feet to 60 feet	DEPTH TO WATER (feet): 43.88	PUMP TYPE OR BAILER: Monsoon

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(60 ft. - 43.88 ft.) x 0.65 gal./ft. = 10.48 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

10.48 gallons x 3 = 31.44 gallons

PUMP DEPTH IN WELL (feet): 48	PURGING INITIATED AT: 1235	PURGING ENDED AT: 1305	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (~~µS/cm~~ mS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1235	0.00	0.2	45.32	17.42	2.16	0.254	6.18	133	608	Brown	None
1240	1.0		45.51	17.68	2.08	0.254	6.17	129	267	Brown	
1245	2.0		45.55	18.21	2.01	0.254	6.17	132	149	Brown	
1250	3.0		45.60	18.33	2.02	0.254	6.18	133	77.7	Clear	
1255	4.0		45.63	18.37	2.07	0.254	6.18	133	81.3	Clear	
1300	5.0		45.65	18.00	2.05	0.253	6.19	130	84.4	Clear	
1305	6.0		45.67	17.94	2.04	0.253	6.18	128	88.3	Clear	

20 (calculated)

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Andrew O'Malley/AECOM	SAMPLER(S) SIGNATURE(S): A O'M	SAMPLE TIME: 1310
PUMP OR TUBING DEPTH IN WELL (feet): 48	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: -- FILTER SIZE: -- µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y ~~N~~ (replaced)	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-13	4	AG	40 mL	HCl	40 mL x 4	6.18	6200	ESP	0.2
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-14	DATE: 10/01/21

WELL DIAMETER (inches): 4"	TUBING DIAMETER (inches): 3/8"	WELL SCREEN INTERVAL DEPTH: 13.93 ft. to 43.93 ft.	DEPTH TO WATER (feet): 33.28	PUMP TYPE OR BAILER: Monsoon XL

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(43.93 ft. - 33.28 ft.) x 0.65 gal./ft. = 6.92 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

6.92 gallons x 3 = 20.77 gallons

PUMP DEPTH IN WELL (feet): 38.28	PURGING INITIATED AT: 0815	PURGING ENDED AT: 0845	TOTAL VOLUME PURGED (gallons): 3.0

EQUIPMENT INFORMATION WATER QUALITY METER	MAKE/MODEL: Horiba U-52	SERIAL #: PX7U6YJV
EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE	MAKE/MODEL: HERON	SERIAL #: 01-7821

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. ~~(µS/cm)~~ mS/cm	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
0815	—	—	33.28	16.96	9.62	0.149	5.69	174	384	cloudy	None
0820	0.5	0.1	33.85	17.29	9.14	0.147	5.70	173	317	↓	↓
0825	1.0	0.1	34.05	17.69	8.68	0.146	5.72	177	104	↓	↓
0830	1.5	0.1	34.05	17.69	8.64	0.146	5.72	179	73	clear	None
0835	2.0	0.1	34.05	17.71	8.58	0.146	5.72	182	0	↓	↓
0840	2.5	0.1	34.05	17.77	8.41	0.146	5.71	186	0	↓	↓
0845	3.0	0.1	34.05	17.83	8.45	0.146	5.71	187	0	↓	↓

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Emilia Tarellas / AECOM	SAMPLER(S) SIGNATURE(S): Emilia C. Tarellas	SAMPLE TIME: 0845

PUMP OR TUBING DEPTH IN WELL (feet): 38.28	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-14	4	AG	40 mL	HCl	40 mL x 4	5.71	6200	ESP	0.1
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
	3	AG	40 mL	HCl	40 mL x 3		8015		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-14D	DATE: 9/29/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 64.30 ft. to 74.30 ft.	DEPTH TO WATER (feet): 33.45	PUMP TYPE OR BAILER: Bladder

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(74.30 ft. - 33.45 ft.) x 0.16 gal./ft. = 6.54 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

6.54 gallons x 3 = 19.62 gallons

PUMP DEPTH IN WELL (feet): 70	PURGING INITIATED AT: 1500	PURGING ENDED AT: 1550	TOTAL VOLUME PURGED (gallons): 4.0

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-5000 & U-52; SERIAL #: CSUUDRK4 &

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.Oil; SERIAL #: 01-6623

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1510	0.8	0.08	36.58	18.95	4.61	0.298	6.71	145	29.4	clear	none
1515	1.2		38.30	19.17	2.60	0.281	6.60	148	30.9		
1520	1.6		41.20	19.01	2.07	0.276	6.51	151	47.6		
1525	2.0		43.41	18.73	1.68	0.273	6.44	154	59.2		
1530	2.4		45.62	18.36	1.59	0.274	6.41	155	67.8		
1535	2.8		47.30	18.44	1.49	0.273	6.40	156	5.0		
1540	3.2		47.72	18.87	1.50	0.272	6.37	157	0.0		
1545	3.6		47.91	18.91	1.49	0.272	6.36	158	0.0		
1550	4.0		48.00	18.97	1.47	0.271	6.36	159	0.2		

Mike deKozlowski 9/29/21

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Mike deKozlowski / AECOM	SAMPLER(S) SIGNATURE(S): Mike deKozlowski	SAMPLE TIME: 1600
PUMP OR TUBING DEPTH IN WELL (feet): 70	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: -- FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-14D	4	AG	40 mL	HCl	40 mL x 4	6.36	6200	ESP	0.08
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
~~---~~	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-15	DATE: 9/27/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 27.01 ft. to 42.01 ft.	DEPTH TO WATER (feet): 35.29	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(42.01 ft. - 35.29 ft.) x 0.16 gal./ft. = 1.08 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

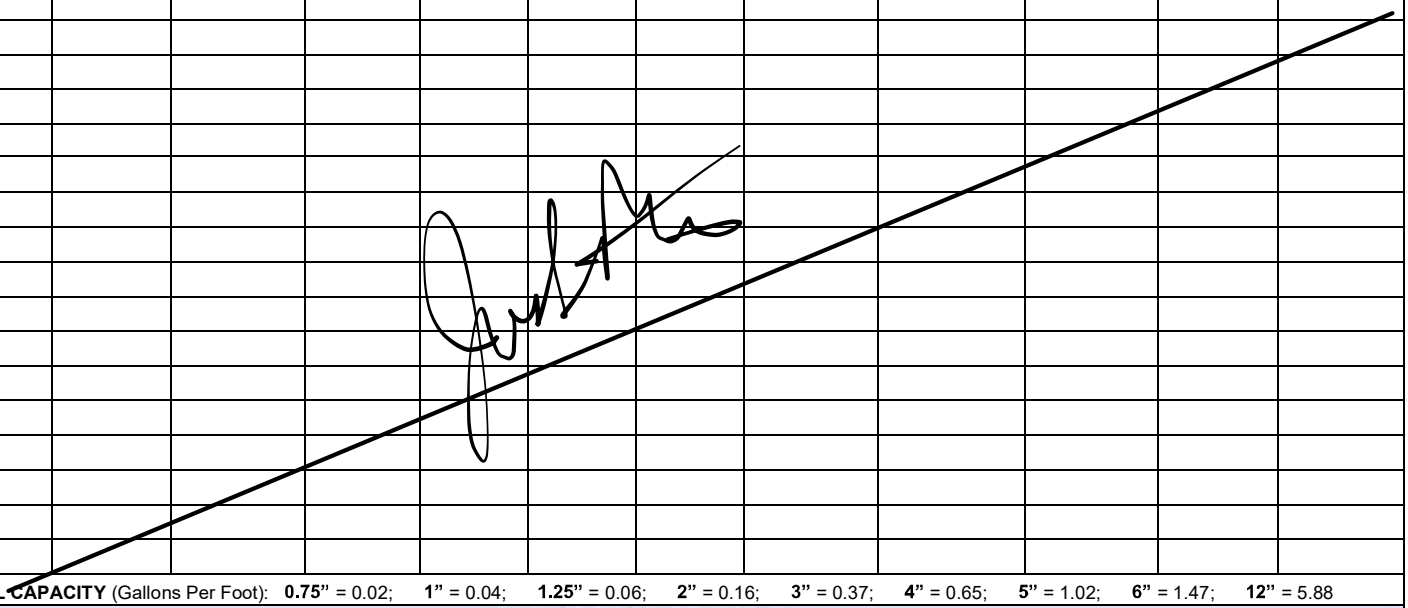
1.08 gallons x 3 = 3.24 gallons

PUMP DEPTH IN WELL (feet): 38.50	PURGING INITIATED AT: 1038	PURGING ENDED AT: 1125	TOTAL VOLUME PURGED (gallons): 7.0

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-52 — SERIAL #: RHC2M75M

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.O.I — SERIAL #: 01.8003

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1040	Initial	0.2	36.11	16.44	8.22	0.143	6.46	232	270	Light Brown	NA
1045	1	0.2	36.78	16.47	7.98	0.143	6.43	243	1000	Light Brown	NA
1050	2	0.2	36.67	16.66	7.87	0.143	6.43	251	301	Clear	NA
1055	3	0.2	36.71	16.70	8.51	0.141	6.44	252	121	Clear	NA
1100	4	0.2	36.73	16.81	8.48	0.141	6.43	254	96.0	Clear	NA
1105	5	0.2	36.75	16.82	8.33	0.141	6.42	257	68.7	Clear	NA
1110	6	0.2	36.80	16.78	8.29	0.140	6.41	258	66.2	Clear	NA
1115	7	0.2	36.81	16.80	8.27	0.141	6.41	260	63.1	Clear	NA



WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Justin Butler/AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 1120

PUMP OR TUBING DEPTH IN WELL (feet): 38.50	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING (Y) N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-15	4	AG	40 mL	HCl	40 mL x 4	6.41	6200	ESP	0.2
MW-15	3	AG	40 mL	HCl	40 mL x 3	6.41	VPH	ESP	0.2
MW-15	1	PP	250 mL	HNO_3	250 mL	6.41	Lead by 6010	ESP	0.2
~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~			

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-16	DATE: 9/30/21

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 14.17 ft. to 49.17 ft.	DEPTH TO WATER (feet): 34.62	PUMP TYPE OR BAILER: Monsoon

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(49.17 ft. - 34.62 ft.) x 0.65 gal./ft. = 9.46 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

9.46 gallons x 3 = 28.38 gallons

PUMP DEPTH IN WELL (feet): 45	PURGING INITIATED AT: 0950	PURGING ENDED AT: 1030	TOTAL VOLUME PURGED (gallons): 2.00

EQUIPMENT INFORMATION WATER QUALITY METER	MAKE/MODEL: Horiba U-5000 & U-52	SERIAL #: CSUUDRK4 &	EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE	MAKE/MODEL: Heron H.Oil	SERIAL #: 01-6623

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1000	0.50	0.05	36.02	18.86	2.35	0.130	5.66	81	21.2	clear	none
1005	0.75		36.41	18.99	1.66	0.129	5.66	84	22.3		
1010	1.00		36.72	19.06	1.41	0.128	5.66	89	20.8		
1015	1.25		36.90	19.17	1.10	0.127	5.66	95	22.3		
1020	1.50		37.02	19.07	1.12	0.125	5.67	107	19.3		
1025	1.75		37.16	19.01	1.05	0.124	5.64	110	19.7		
1030	2.00		37.24	18.95	0.97	0.124	5.66	116	19.4		

Mike deKozlowski 9/30/21

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Mike deKozlowski / AECOM	SAMPLER(S) SIGNATURE(S): Mike deKozlowski	SAMPLE TIME: 1040

PUMP OR TUBING DEPTH IN WELL (feet): 45	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-16	4	AG	40 mL	HCl	40 mL x 4	5.66	6200	ESP	0.05
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
~~---~~	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-16D	DATE: 10/01/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 110 ft. to 130 ft.	DEPTH TO WATER (feet): 112.10	PUMP TYPE OR BAILER: Bladder

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(130 ft. - 112.10 ft.) x 0.16 gal./ft. = 2.86 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

2.86 gallons x 3 = 8.58 gallons

PUMP DEPTH IN WELL (feet): 120	PURGING INITIATED AT: 0835	PURGING ENDED AT: 0905	TOTAL VOLUME PURGED (gallons): 1.2

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-5000 & U-52 — SERIAL #: CSUUDRK4 &

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.Oil — SERIAL #: 01-6623

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
0850	0.6	0.04	116.50	18.14	4.64	1.11	11.50	34	33.5	clear	none
0855	0.8		117.01	18.26	3.13	1.11	11.51	22	34.0		
0900	1.0		117.50	18.29	3.15	1.11	11.52	16	33.2		
0905	1.2		118.22	18.28	2.87	1.11	11.52	13	32.4		

Mike deKozlowski 10/01/21

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Mike deKozlowski / AECOM	SAMPLER(S) SIGNATURE(S): Mike deKozlowski	SAMPLE TIME: 0915

PUMP OR TUBING DEPTH IN WELL (feet): 120	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-16D	4	AG	40 mL	HCl	40 mL x 4	11.52	6200	ESP	0.04
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
~~—~~	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-17	DATE: 9/30/21

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 17.27 ft. to 53.27 ft.	DEPTH TO WATER (feet): 36.61	PUMP TYPE OR BAILER: Monsoon XL

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(53.27 ft. - 36.61 ft.) x 0.65 gal./ft. = 10.83 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

10.83 gallons x 3 = 32.49 gallons

PUMP DEPTH IN WELL (feet): 45	PURGING INITIATED AT: 1105	PURGING ENDED AT: 1135	TOTAL VOLUME PURGED (gallons): 2.00

EQUIPMENT INFORMATION WATER QUALITY METER	MAKE/MODEL: Horiba U-5000 & U-52	SERIAL #: CSUUDRK4 &	EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE	MAKE/MODEL: Heron H.Oil	SERIAL #: 01-6623

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1110	0.33	0.066	36.91	19.35	1.03	0.085	5.45	197	54.3	clear	none
1115	0.66		37.39	19.51	0.63	0.085	5.42	207	68.5		
1120	1.00		37.39	19.65	0.31	0.086	5.40	214	62.6		
1125	1.33		37.39	19.79	0.23	0.085	5.40	217	50.4		
1130	1.66		37.39	19.90	0.12	0.085	5.39	220	48.3		
1135	2.00		37.39	19.96	0.05	0.085	5.39	221	45.8		

Mike deKozlowski 9/30/21

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Mike deKozlowski / AECOM	SAMPLER(S) SIGNATURE(S): Mike deKozlowski	SAMPLE TIME: 1145

PUMP OR TUBING DEPTH IN WELL (feet): 45	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-17	4	AG	40 mL	HCl	40 mL x 4	5.39	6200	ESP	0.066
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
~~---~~	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-19	DATE: 10/1/21

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 12.86 ft. to 37.86 ft.	DEPTH TO WATER (feet): 31.51	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY
(37.86 ft. - 31.51 ft.) x 0.65 gal./ft. = 4.13 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3
4.13 gallons x 3 = 12.39 gallons

PUMP DEPTH IN WELL (feet): 34.50	PURGING INITIATED AT: 1301	PURGING ENDED AT: 1345	TOTAL VOLUME PURGED (gallons): 2.52

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-52 — SERIAL #: RHC2M75M

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.01 — SERIAL #: 01.8003

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1301	Initial	0.072	31.85	23.44	0.53	0.270	6.31	-44	88.0	Clear	NA
1306	0.36	0.072	32.12	21.76	0.00	0.268	6.32	-61	83.8	Clear	NA
1311	0.72	0.072	32.28	21.45	0.00	0.273	6.33	-70	74.9	Clear	NA
1316	1.08	0.072	32.45	21.71	0.00	0.273	6.33	-74	81.6	Clear	NA
1321	1.44	0.072	32.51	21.81	0.00	0.274	6.34	-77	81.5	Clear	NA
1326	1.80	0.072	32.74	21.78	0.00	0.274	6.34	-79	53.8	Clear	NA
1331	2.16	0.072	32.83	21.85	0.00	0.274	6.34	-80	51.9	Clear	NA
1336	2.52	0.072	32.89	21.92	0.00	0.274	6.35	-81	50.1	Clear	NA



WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Justin Butler AECOM	SAMPLER(S) SIGNATURE(S): Justin	SAMPLE TIME: 1340

PUMP OR TUBING DEPTH IN WELL (feet): 34.50	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-19	4	AG	40 mL	HCl	40 mL x 4	6.35	6200	ESP	0.072
MW-19	3	AG	40 mL	HCl	40 mL x 3	6.35	VPH	ESP	0.072
MW-19	1	PP	250 mL	HNO_3	250 mL	6.35	Lead by 6010	ESP	0.072
	3	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-20	DATE: 09/28/21

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/8"	WELL SCREEN INTERVAL DEPTH: 35.07 ft. to 50.07 ft.	DEPTH TO WATER (feet): 44.45	PUMP TYPE OR BAILER: Monsoon XL

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(50.07 ft. - 44.45 ft.) x 0.16 gal./ft. = 0.90 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

0.90 gallons x 3 = 2.70 gallons

PUMP DEPTH IN WELL (feet): 49.45	PURGING INITIATED AT: 1055	PURGING ENDED AT: 1125	TOTAL VOLUME PURGED (gallons): 3.0

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-52; SERIAL #: PX7U6YJV

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: HERON; SERIAL #: 01-7821

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. ~~(µS/cm)~~ mS/cm	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1055	—	—	44.45	19.82	5.77	0.191	6.00	166	165	clear	None
1100	0.5	0.1	46.20	19.84	5.75	0.191	6.00	152	161	↓	↓
1105	1.0	0.1	46.22	20.75	5.99	0.192	6.00	150	164		
1110	1.5	0.1	46.22	20.55	5.97	0.190	5.97	158	122		
1115	2.0	0.1	46.22	20.56	5.97	0.190	5.99	158	114		
1120	2.5	0.1	46.22	20.64	5.97	0.190	5.97	159	89.9		
1125	3.0	0.1	46.22	20.73	5.97	0.190	5.96	161	57.3	↓	↓

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Emilia Torrellas / AECOM	SAMPLER(S) SIGNATURE(S): Emilia C. Torrellas	SAMPLE TIME: 1125

PUMP OR TUBING DEPTH IN WELL (feet): 49.45	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-20	4	AG	40 mL	HCl	40 mL x 4	5.96	6200	ESP	0.1
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
	3	AG	40 mL	HCl	40 mL x 3		8015		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-21	DATE: 10/1/21

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 18.08 ft. to 53.08 ft.	DEPTH TO WATER (feet): 31.28	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(53.08 ft. - 31.28 ft.) x 14.17 gal./ft. = 14.17 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

14.17 gallons x 3 = 42.51 gallons

PUMP DEPTH IN WELL (feet): 42.00	PURGING INITIATED AT: 0904	PURGING ENDED AT: 0945	TOTAL VOLUME PURGED (gallons): 3.99

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-52; SERIAL #: RHC2M75M

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.01; SERIAL #: 01.8003

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
0904	Initial	0.114	31.69	18.87	0.98	0.276	6.31	150	510	Clear	NA
0909	0.57	0.114	31.94	18.52	0.00	0.289	6.36	3	61.4	Clear	NA
0914	1.14	0.114	32.18	18.66	0.00	0.288	6.56	-9	65.5	Clear	NA
0919	1.71	0.114	32.48	18.57	0.00	0.285	6.55	-9	66.0	Clear	NA
0924	2.28	0.114	32.88	18.60	0.00	0.276	6.47	5	60.6	Clear	NA
0929	2.85	0.114	32.97	18.68	0.00	0.274	6.46	9	52.3	Clear	NA
0934	3.42	0.114	33.05	18.78	0.00	0.274	6.45	12	48.0	Clear	NA
0939	3.99	0.114	33.09	18.84	0.00	0.275	6.46	10	48.1	Clear	NA

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Justin Butler AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 0940

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N (replaced)) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-21	4	AG	40 mL	HCl	40 mL x 4	6.46	6200	ESP	0.114
MW-21	3	AG	40 mL	HCl	40 mL x 3	6.46	VPH	ESP	0.114
MW-21	1	PP	250 mL	HNO_3	250 mL	6.46	Lead by 6010	ESP	0.114
	3	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-23	DATE: 10/1/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 47.54 ft. to 47.59 ft.	DEPTH TO WATER (feet): 30.30	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(47.59 ft. - 30.30 ft.) x 0.16 gal./ft. = 2.76 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

2.76 gallons x 3 = 8.28 gallons

PUMP DEPTH IN WELL (feet): 39.00	PURGING INITIATED AT: 1013	PURGING ENDED AT: 1110	TOTAL VOLUME PURGED (gallons): 3.96

EQUIPMENT INFORMATION WATER QUALITY METER	MAKE/MODEL: Horiba U-52	SERIAL #: RHC2M75M	EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE	MAKE/MODEL: Heron H.01	SERIAL #: 01.8003

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1013	Initial	0.088	31.83	19.57	9.89	0.124	6.45	175	339	Clear	NA
1018	0.44	0.088	32.33	18.67	9.84	0.121	6.17	199	720	Light Brown	NA
1023	0.88	0.088	32.41	18.92	9.63	0.120	6.16	221	620	Clear	NA
1028	1.32	0.088	32.51	19.02	9.58	0.124	6.17	238	357	Clear	NA
1033	1.76	0.088	32.51	19.17	9.51	0.126	6.18	257	220	Clear	NA
1038	2.20	0.088	32.51	19.21	9.41	0.130	6.18	260	143	Clear	NA
1043	2.64	0.088	32.51	19.25	9.37	0.131	6.19	264	117	Clear	NA
1048	3.08	0.088	32.51	19.28	9.36	0.133	6.20	267	89.4	Clear	NA
1053	3.52	0.088	32.51	19.31	9.35	0.132	6.19	269	77.1	Clear	NA
1058	3.96	0.088	32.51	19.35	9.34	0.132	6.19	272	78.7	Clear	NA

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Justin Butler AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 1100

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N (replaced)) DUPLICATE: (Y) N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-23	4	AG	40 mL	HCl	40 mL x 4	6.19	6200	ESP	0.088
MW-23	3	AG	40 mL	HCl	40 mL x 3	6.19	VPH	ESP	0.088
MW-23	1	PP	250 mL	HNO_3	250 mL	6.19	Lead by 6010	ESP	0.088
	3	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS: DUP. 1-20211001

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-25	DATE: 9/29/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 42 ft. to 57 ft.	DEPTH TO WATER (feet): 46.91	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(57 ft. - 46.91 ft.) x 0.163 gal./ft. = 1.6 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

1.6 gallons x 3 = 4.9 gallons

PUMP DEPTH IN WELL (feet): 54	PURGING INITIATED AT: 1235	PURGING ENDED AT: 1325	TOTAL VOLUME PURGED (gallons): 5.2

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba/U-52 — SERIAL #: SSUKW14F

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron/H.Oil — SERIAL #: 01-8347

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1235	0.2		46.91	17.72	8.70	0.260	6.35	144	1000+	Cloudy	None
1240	0.7		46.93	17.92	7.48	0.258	6.32	162	1000+		
1245	1.4		46.93	17.71	2.69	0.255	6.36	161	1000+		
1250	2.0		46.93	17.97	2.38	0.255	6.33	167	1000+		
1255	2.5		46.93	17.72	2.57	0.256	6.33	167	1000+		
1300	2.9		46.93	18.23	2.25	0.255	6.33	166	1000+		
1305	3.4		46.94	18.71	2.20	0.256	6.32	167	1000+		
1310	3.9		46.94	18.68	2.27	0.257	6.31	168	1000+		
1315	4.3		46.94	18.65	2.34	0.255	6.32	165	1000+		
1320	4.8		46.95	18.61	2.05	0.254	6.33	167	1000+		
1325	5.2		46.95	18.59	2.14	0.255	6.32	164	1000+		

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: T. Dickey/AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 1335

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N (replaced)) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-25	4	AG	40 mL	HCl	40 mL x 4	6.32	6200	ESP	
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
	3	AG	40 mL	HCl	40 mL x 3		8015		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-25D	DATE: 9/29/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 113.71 ft. to 123.71 ft.	DEPTH TO WATER (feet): 51.45	PUMP TYPE OR BAILER: Bladder

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(123.71 ft. - 51.45 ft.) x 0.16 gal./ft. = 11.56 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

11.56 gallons x 3 = 34.68 gallons

PUMP DEPTH IN WELL (feet): 118	PURGING INITIATED AT: 1320	PURGING ENDED AT: 1400	TOTAL VOLUME PURGED (gallons): 2.66

EQUIPMENT INFORMATION WATER QUALITY METER	MAKE/MODEL: Horiba U-5000 & U-52	SERIAL #: CSUUDRK4 &	EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE	MAKE/MODEL: Heron H.Oil	SERIAL #: 01-6623

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1330	0.66	0.066	52.99	19.22	4.58	0.375	6.90	152	33.1	clear	none
1335	1.00	"	53.32	18.97	1.68	0.376	6.86	154	25.3	"	"
1340	1.33	"	53.67	18.79	0.70	0.377	6.84	156	14.1	"	"
1345	1.66	"	53.83	18.71	0.39	0.366	6.81	156	7.4	"	"
1350	2.00	"	53.91	18.67	0.05	0.360	6.79	155	4.2	"	"
1355	2.33	"	54.07	18.80	0.00	0.358	6.76	155	2.5	"	"
1400	2.66	"	54.09	18.71	0.00	0.356	6.75	155	2.2	"	"

Mike deKozlowski 9/29/21

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Mike deKozlowski / AECOM	SAMPLER(S) SIGNATURE(S): Mike deKozlowski	SAMPLE TIME: 1410
PUMP OR TUBING DEPTH IN WELL (feet): 118	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: -- FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-25D	4	AG	40 mL	HCl	40 mL x 4	6.75	6200	ESP	0.066
"	3	AG	40 mL	HCl	40 mL x 3		VPH	"	"
"	1	PP	250 mL	HNO_3	250 mL		Lead by 6010	"	"
~~—~~	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-27	DATE: 09/27/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 29.9 ft. to 44.9 ft.	DEPTH TO WATER (feet): 38.11	PUMP TYPE OR BAILER: Bladder

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(44.9 ft. - 38.11 ft.) x 0.16 gal./ft. = 1.09 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

1.09 gallons x 3 = 3.27 gallons

PUMP DEPTH IN WELL (feet): 42	PURGING INITIATED AT: 1500	PURGING ENDED AT: 1615	TOTAL VOLUME PURGED (gallons): 1.66

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-5000 & U-52 — SERIAL #: CSUUDRK4 &

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.Oil — SERIAL #: 01-6623

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1510		0.022	38.18	17.81	10.24	0.152	6.56	186	>1000	Brown	None
1515	0.33		38.21	17.99	5.93	0.152	6.46	196	>1000		
1520			38.24	17.96	0.00	0.152	6.40	-59	>1000		
1525			38.26	17.94	4.74	0.151	6.35	210	>1000		
1530	0.66		38.28	16.54	0.00	0.328	7.66		>1000	Cloudy	
1535			38.29	17.86	4.43	0.151	6.32	219	>1000		
1545	1.00		38.29	17.90	4.34	0.152	6.31	226	932		
1550											
1555										Clear	
1600	1.33		38.30	18.12	4.63	0.149	6.29	251	573		
1605			38.30	17.73	4.59	0.151	6.27	248	531		
1610			38.30	17.12	4.58	0.151	6.26	246	517		
1615	1.66		38.30	16.78	4.58	0.152	6.25	244	502		

Mike de Kozlowski 9/27/21

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Mike de Kozlowski / AECOM	SAMPLER(S) SIGNATURE(S): Mike de Kozlowski	SAMPLE TIME: 1630

PUMP OR TUBING DEPTH IN WELL (feet): 42	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N (replaced)) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-27	4	AG	40 mL	HCl	40 mL x 4	6.25	6200	ESP	0.022
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
~~---~~	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS: Cleaned WQM @ 1525 + 1550 due to turbidity reading not matching observed turbidity

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-28	DATE: 9/30/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 24.88 ft. to 35.88 ft.	DEPTH TO WATER (feet): 29.70	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

35.88 ft. - 29.70 ft.) x 0.16 gal./ft. = 1.63 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

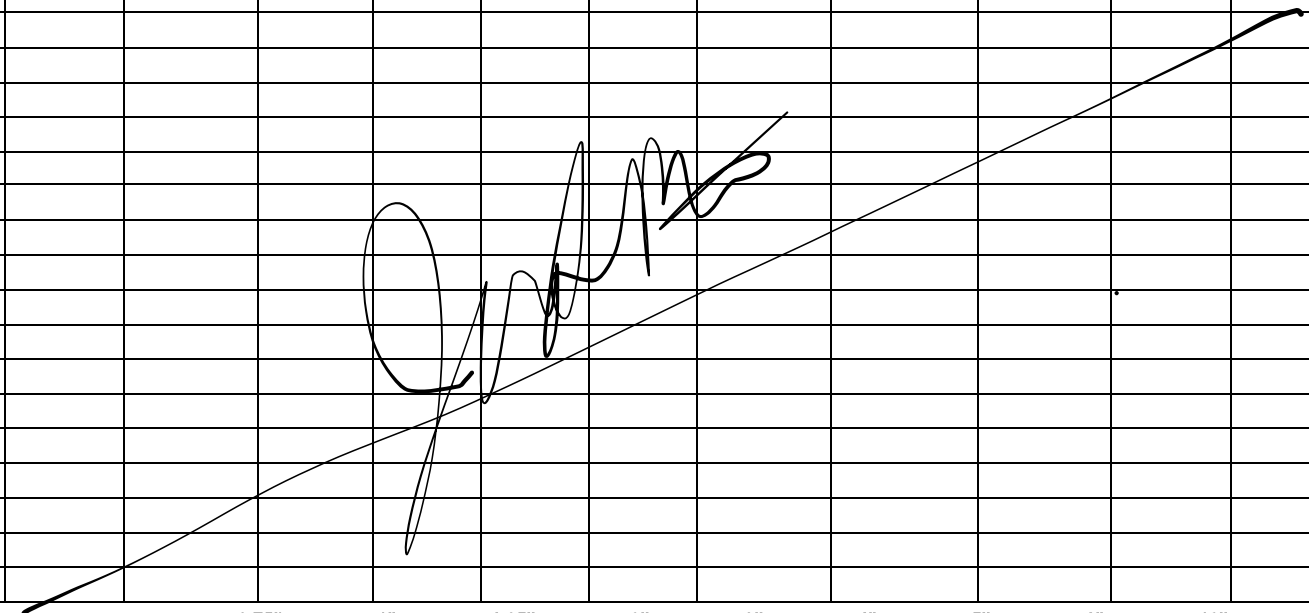
1.63 gallons x 3 = 4.89 gallons

PUMP DEPTH IN WELL (feet): 35.00	PURGING INITIATED AT: 0834	PURGING ENDED AT: 0910	TOTAL VOLUME PURGED (gallons): 6.0

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-52 — SERIAL #: RHC2M75M

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.O.I — SERIAL #: 01.8003

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
0834	Initial	0.2	30.14	18.98	5.00	0.358	5.85	278	1600	light Brown	NA
0839	1.0	0.2	30.34	18.85	4.65	0.259	5.93	229	616	Clear	NA
0844	2.0	0.2	30.40	18.82	4.58	0.261	5.95	214	321	Clear	NA
0849	3.0	0.2	30.44	18.81	4.36	0.264	5.96	200	196	Clear	NA
0854	4.0	0.2	30.48	18.80	4.20	0.270	5.98	190	179	Clear	NA
0859	5.0	0.2	30.51	18.78	4.10	0.272	5.99	188	173	Clear	NA
0904	6.0	0.2	30.53	18.75	4.08	0.273	6.01	191	170	Clear	NA



WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Justin Butler AECOM	SAMPLER(S) SIGNATURE(S): Justin	SAMPLE TIME: 0905

PUMP OR TUBING DEPTH IN WELL (feet): 35.00	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-28	4	AG	40 mL	HCl	40 mL x 4	6.01	6200	ESP	0.2
MW-28	3	AG	40 mL	HCl	40 mL x 3	6.01	VPH	ESP	0.2
MW-28	1	PP	250 mL	HNO_3	250 mL	6.01	Lead by 6010	ESP	0.2
	3	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-30	DATE: 9/29/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 34.01 ft. to 49.01 ft.	DEPTH TO WATER (feet): 31.25	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(49.01 ft. - 31.25 ft.) x 0.16 gal./ft. = 2.84 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

2.84 gallons x 3 = 8.52 gallons

PUMP DEPTH IN WELL (feet): 40.0	PURGING INITIATED AT: 1402	PURGING ENDED AT: 1440	TOTAL VOLUME PURGED (gallons): 4.02

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-52; SERIAL #: RHC2M75M

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.01; SERIAL #: 01.8003

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1402	Initial	0.134	31.92	20.99	12.67	0.137	6.17	213	163	Clear	NA
1407	0.67	0.134	32.42	17.77	7.26	0.143	6.12	195	61.1	Clear	NA
1412	1.34	0.134	32.68	17.11	6.63	0.141	6.12	197	44.0	Clear	NA
1417	2.01	0.134	32.70	17.28	6.05	0.140	6.12	202	15.9	Clear	NA
1422	2.68	0.134	32.70	17.81	5.91	0.141	6.12	202	10.2	Clear	NA
1427	3.35	0.134	32.70	17.86	5.81	0.141	6.13	201	0.0	Clear	NA
1432	4.02	0.134	32.70	17.87	5.75	0.140	6.13	202	0.0	Clear	NA



WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Justin Butler AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 1435

PUMP OR TUBING DEPTH IN WELL (feet): 40.0	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N (replaced)) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-30	4	AG	40 mL	HCl	40 mL x 4	6.13	6200		0.134
MW-30	3	AG	40 mL	HCl	40 mL x 3	6.13	VPH		0.134
MW-30	1	PP	250 mL	HNO_3	250 mL	6.13	Lead by 6010		0.134
	3	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-31	DATE: 10/1/21

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 17.01 ft. to 47.01 ft.	DEPTH TO WATER (feet): 27.70	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(47.01 ft. - 27.70 ft.) x 0.65 gal./ft. = 12.55 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

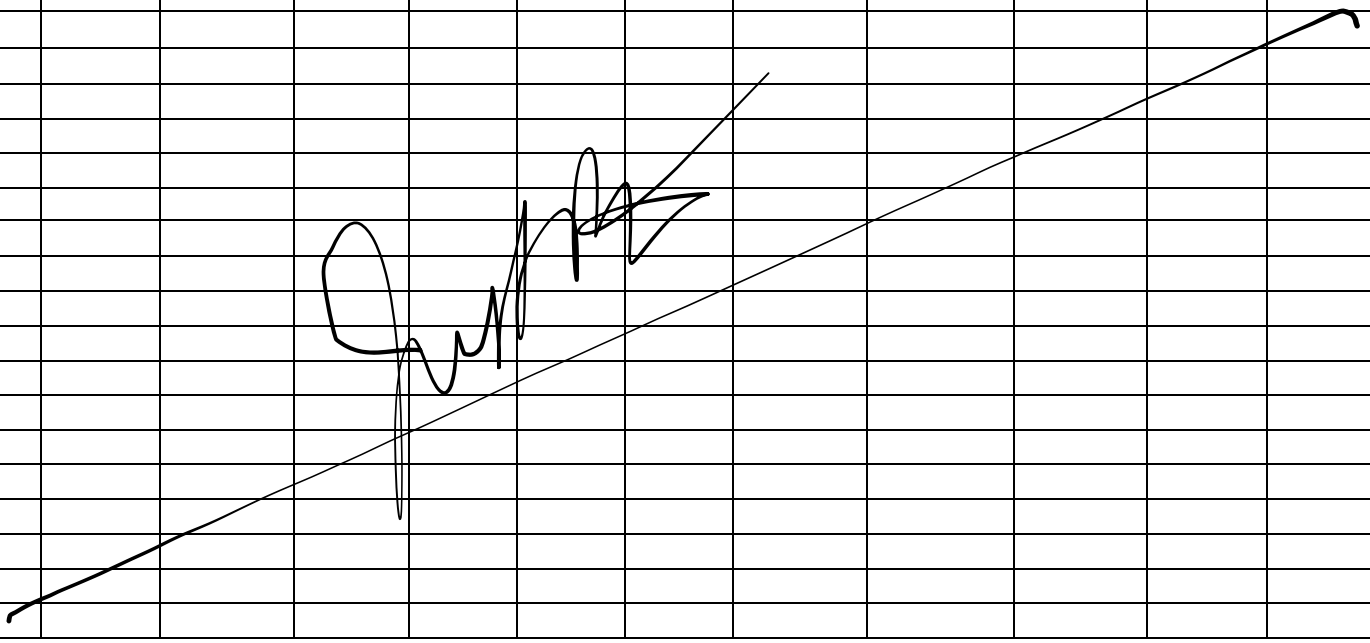
12.55 gallons x 3 = 37.65 gallons

PUMP DEPTH IN WELL (feet): 37.50	PURGING INITIATED AT: 1204	PURGING ENDED AT: 1235	TOTAL VOLUME PURGED (gallons): 3.2

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-52 — SERIAL #: RHC2M75M

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.01 — SERIAL #: 01.8003

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1204	In:1:al	0.12	27.90	23.41	5.15	0.168	6.15	257	84.9	clear	NA
1209	0.6	0.12	22.95	21.62	4.40	0.163	6.07	265	7.6	Clear	NA
1214	1.2	0.12	28.03	21.21	4.17	0.165	6.04	268	8.2	Clear	NA
1219	1.8	0.12	28.06	21.19	3.96	0.165	6.01	270	10.0	Clear	NA
1224	2.4	0.12	28.09	21.20	4.11	0.165	6.02	270	8.7	Clear	NA
1229	3.2	0.12	28.10	21.23	4.13	0.165	5.99	273	9.0	Clear	NA



WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Justin Butler AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 1230

PUMP OR TUBING DEPTH IN WELL (feet): 37.50	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-31	4	AG	40 mL	HCl	40 mL x 4	5.99	6200	ESP	0.12
MW-31	3	AG	40 mL	HCl	40 mL x 3	5.99	VPH	ESP	0.12
MW-31	1	PP	250 mL	HNO_3	250 mL	5.99	Lead by 6010	ESP	0.12
	3	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-31D	DATE: 10/01/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 55 ft. to 70 ft.	DEPTH TO WATER (feet): 22.35	PUMP TYPE OR BAILER: Bladder

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(70 ft. - 22.35 ft.) x 0.16 gal./ft. = 7.15 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

7.15 gallons x 3 = 21.45 gallons

PUMP DEPTH IN WELL (feet): 60	PURGING INITIATED AT: 1140	PURGING ENDED AT: 1240	TOTAL VOLUME PURGED (gallons): 4.00

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-5000 & U-52 — SERIAL #: CSUUDRK4 &

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.Oil — SERIAL #: 01-6623

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1150	0.66	0.066	22.48	20.36	4.12	0.193	8.56	154	92.8	clear	none
1155	1.00		22.50	20.28	3.78	0.190	8.11	164	76.3		
1200	1.33		22.50	20.21	3.44	0.188	7.75	174	65.4		
1205	1.66		22.50	20.19	3.31	0.187	7.46	182	61.4		
1210	2.00		22.50	20.08	3.30	0.184	7.30	186	58.1		
1215	2.33		22.50	20.22	3.20	0.182	7.13	190	50.3		
1220	2.66		22.50	20.22	3.21	0.181	7.05	193	48.4		
1225	3.00		22.50	20.23	3.08	0.180	6.94	196	50.9		
1230	3.33		22.50	20.28	3.16	0.179	6.88	198	46.7		
1235	3.66		22.50	20.15	3.06	0.178	6.81	201	43.5		
1240	4.00		22.50	20.17	3.07	0.178	6.79	203	44.1		

Mike deKozlowski 10/01/21

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Mike deKozlowski / AECOM	SAMPLER(S) SIGNATURE(S): Mike deKozlowski	SAMPLE TIME: 1245

PUMP OR TUBING DEPTH IN WELL (feet): 60	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-31D	4	AG	40 mL	HCl	40 mL x 4	6.79	6200	ESP	0.066
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
~~—~~	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-32	DATE: 9/28/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 23.03 ft. to 38.03 ft.	DEPTH TO WATER (feet): 16.75	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(38.03 ft. - 16.75 ft.) x 0.16 gal./ft. = 3.40 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

3.40 gallons x 3 = 10.20 gallons

PUMP DEPTH IN WELL (feet): 27.50	PURGING INITIATED AT: 1246	PURGING ENDED AT: 1340	TOTAL VOLUME PURGED (gallons):

EQUIPMENT INFORMATION WATER QUALITY METER	MAKE/MODEL: Horiba U-52	SERIAL #: RHC2M75M	EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE	MAKE/MODEL: Heron H.O.1	SERIAL #: 01.8003

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1246	initial	0.2	17.65	17.40	6.72	0.131	6.13	250	1000	light Brown	NA
1251	1.0	0.2	18.02	17.53	2.83	0.132	6.12	258	1000	light brown	NA
1256	2.0	0.2	18.05	17.56	1.82	0.134	6.12	264	1000	light Brown	NA
1301	3.0	0.2	1805	17.49	1.83	0.134	6.13	267	858	light Brown	NA
1306	4.0	0.2	18.15	17.40	1.97	0.134	6.13	270	522	Clear	NA
1311	5.0	0.2	18.24	17.35	1.95	0.133	6.12	271	269	Clear	NA
1316	6.0	0.2	18.21	17.41	2.05	0.132	6.14	262	167	Clear	NA
1321	7.0	0.2	18.20	17.51	2.04	0.132	6.14	260	59.0	Clear	NA
1326	8.0	0.2	18.21	17.55	2.08	0.132	6.14	255	55.1	Clear	NA
1331	9.0	0.2	19.21	17.57	2.09	0.132	6.14	252	51.8	Clear	NA

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Justin Butler AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 1335

PUMP OR TUBING DEPTH IN WELL (feet): 27.50	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING (Y) N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-32	4	AG	40 mL	HCl	40 mL x 4	6.14	6200	ESP	0.2
MW-32	3	AG	40 mL	HCl	40 mL x 3	6.14	VPH	ESP	0.2
MW-32	1	PP	250 mL	HNO_3	250 mL	6.14	Lead by 6010	ESP	0.2
	3	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-33	DATE: 9/28/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 13.0 ft. to 28.0 ft.	DEPTH TO WATER (feet): 14.34	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(28.0 ft. - 14.34 ft.) x 0.16 gal./ft. = 2.19 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

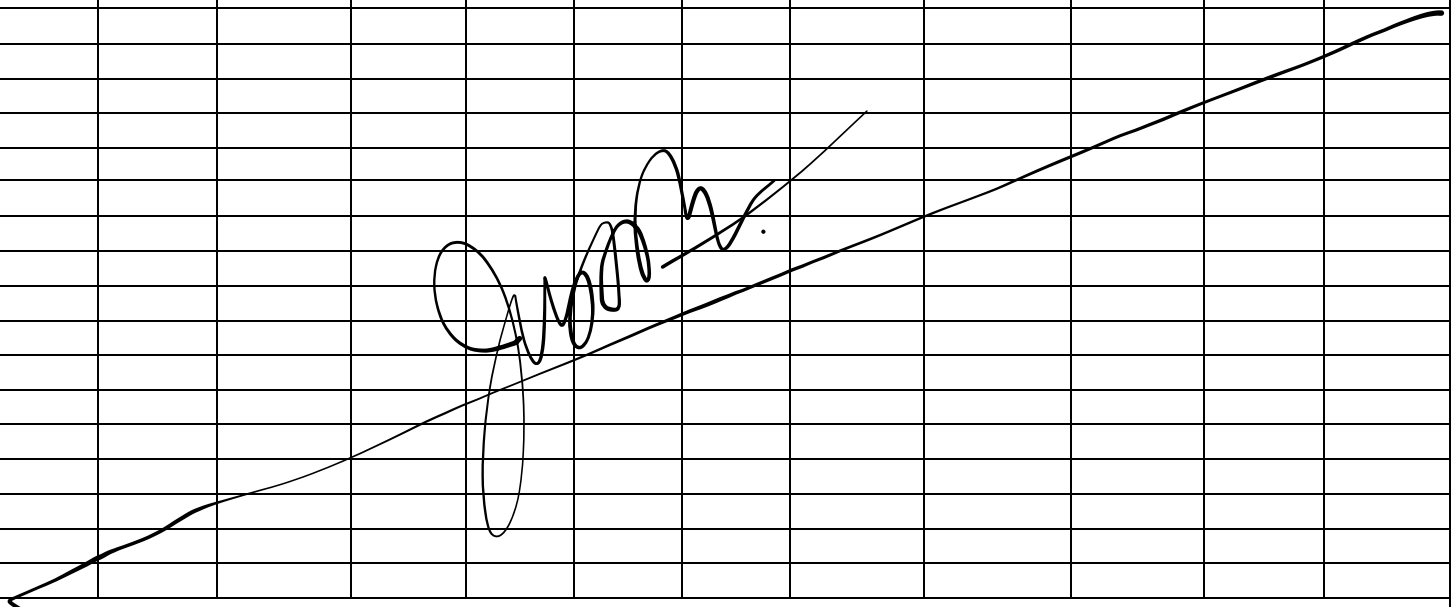
2.19 gallons x 3 = 6.57 gallons

PUMP DEPTH IN WELL (feet): 21.0	PURGING INITIATED AT: 1133	PURGING ENDED AT: 1210	TOTAL VOLUME PURGED (gallons): 4.98

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-52 — SERIAL #: RHC2M75M

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.01 — SERIAL #: 01.8003

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1133	Initial	0.166	15.36	16.66	5.48	0.116	6.25	239	260	Clear	NA
1138	0.83	0.166	15.67	16.65	6.88	0.115	6.24	252	353	Clear	NA
1143	1.66	0.166	15.67	16.43	4.02	0.116	6.22	263	442	Clear	NA
1148	2.49	0.166	15.67	16.49	2.68	0.115	6.26	268	70.4	Clear	NA
1153	3.32	0.166	15.65	16.39	2.88	0.115	6.26	269	52.3	Clear	NA
1158	4.15	0.166	15.65	16.50	2.87	0.115	6.26	272	48.6	Clear	NA
1203	4.98	0.166	15.65	16.41	2.85	0.115	6.25	276	45.3	Clear	NA



WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Justin Butler AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 1205

PUMP OR TUBING DEPTH IN WELL (feet): 21.00	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING (Y) N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-33	4	AG	40 mL	HCl	40 mL x 4	6.25	6200	ESP	0.166
MW-33	3	AG	40 mL	HCl	40 mL x 3	6.25	VPH	ESP	0.166
MW-33	1	PP	250 mL	HNO_3	250 mL	6.25	Lead by 6010	ESP	0.166
	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-34	DATE: 9/28/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 1.89 ft. to 22.89 ft.	DEPTH TO WATER (feet): 12.04	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY
(22.89 ft. - 12.04 ft.) x 0.16 gal./ft. = 1.74 gallons

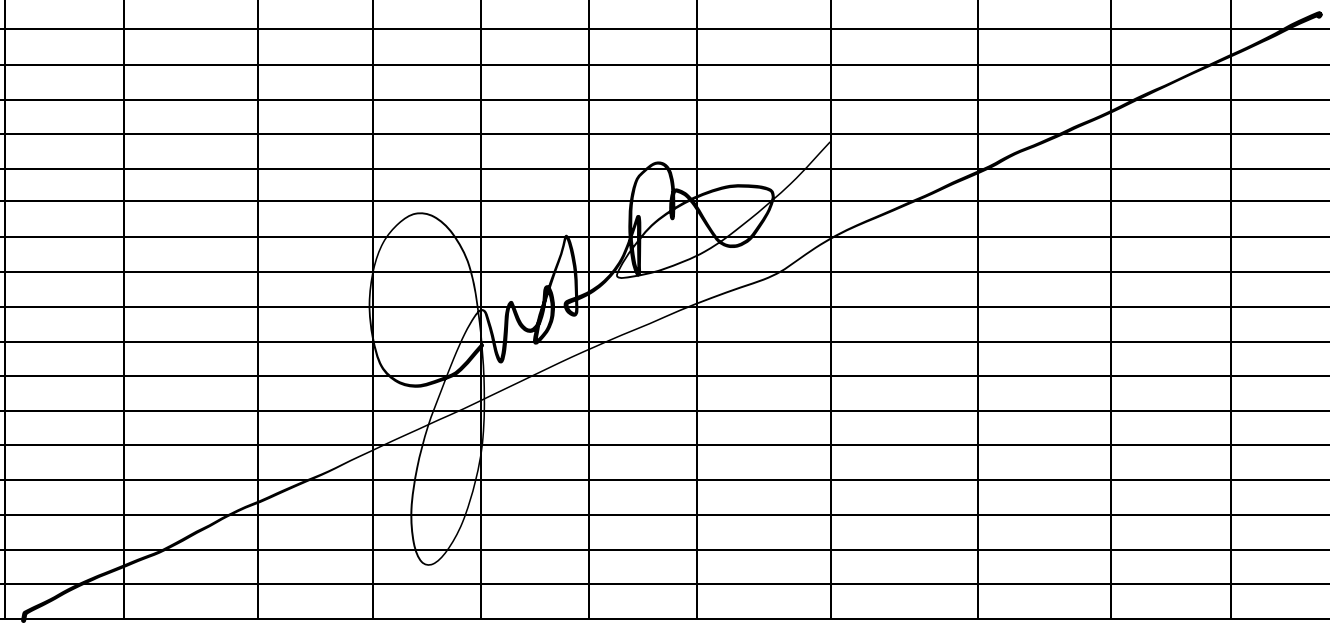
3 WELL VOLUMES = 1 WELL VOLUME X 3
1.74 gallons x 3 = 5.22 gallons

PUMP DEPTH IN WELL (feet): 17.50	PURGING INITIATED AT: 1032	PURGING ENDED AT: 1110	TOTAL VOLUME PURGED (gallons): 4.98

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-52 — SERIAL #: RHC2M75M

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.01 — SERIAL #: 01.8003

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1032	Initial	0.166	12.88	17.48	3.67	0.127	6.18	249	454	Clear	NA
1037	0.83	0.166	13.08	17.63	2.66	0.124	6.17	241	550	Clear	NA
1042	1.65	0.166	13.39	17.36	2.51	0.128	6.18	201	157	Clear	NA
1047	2.49	0.166	13.48	17.27	2.33	0.127	6.21	124	96.8	Clear	NA
1052	3.32	0.166	13.57	17.25	2.29	0.127	6.23	109	45.0	Clear	NA
1057	4.15	0.166	13.65	17.20	2.24	0.129	6.20	114	50.2	Clear	NA
1102	4.98	0.166	13.72	17.16	2.20	0.130	6.22	110	47.8	Clear	NA



WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Justin Butler AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 1105

PUMP OR TUBING DEPTH IN WELL (feet): 17.50	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING (Y) N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-34	4	AG	40 mL	HCl	40 mL x 4	6.22	6200	ESP	0.166
MW-34	3	AG	40 mL	HCl	40 mL x 3	6.22	VPH	ESP	0.166
MW-34	1	PP	250 mL	HNO_3	250 mL	6.22	Lead by 6010	ESP	0.166
	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-35	DATE: 9/27/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 26.08 ft. to 40.08 ft.	DEPTH TO WATER (feet): 27.80	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY
(40.08 ft. - 27.80 ft.) x 0.16 gal./ft. = 1.96 gallons

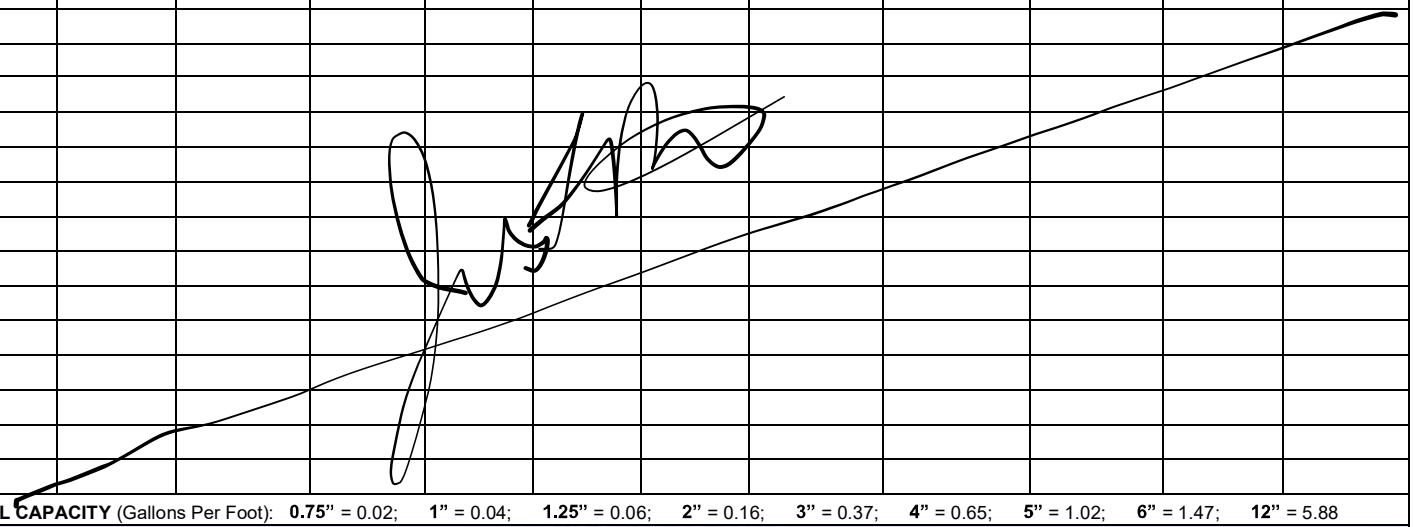
3 WELL VOLUMES = 1 WELL VOLUME X 3
1.96 gallons x 3 = 5.88 gallons

PUMP DEPTH IN WELL (feet): 34.00	PURGING INITIATED AT: 1453	PURGING ENDED AT: 1545	TOTAL VOLUME PURGED (gallons):

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-52 — SERIAL #: RHC2M75M

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.O.I — SERIAL #: 01.8003

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1453	Initial	0.134	28.20	18.97	6.18	0.176	6.32	234	1000	Light Brown	NA
1458	0.67	0.134	28.20	18.69	6.40	0.177	6.33	233	933	Light Brown	NA
1503	1.34	0.134	28.20	18.65	6.19	0.177	6.30	231	470	Clear	NA
1508	2.01	0.134	28.20	18.74	5.97	0.176	6.26	228	397	Clear	NA
1513	2.68	0.134	28.20	18.77	5.94	0.176	6.27	227	374	Clear	NA
1518	3.35	0.134	28.20	18.36	6.05	0.176	6.26	223	345	Clear	NA
1523	4.12	0.134	28.20	17.08	6.00	0.177	6.25	219	110.1	Clear	NA
1528	4.69	0.134	28.20	18.10	5.99	0.177	6.28	219	60.2	Clear	NA
1533	5.36	0.134	28.20	18.06	5.95	0.177	6.31	216	58.0	Clear	NA
1538	6.63	0.134	28.20	18.10	5.95	0.177	6.30	216	53.8	Clear	NA



WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Justin Butler AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 1540

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING (Y) N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-35	4	AG	40 mL	HCl	40 mL x 4	6.30	6200	ESP	0.134
MW-35	3	AG	40 mL	HCl	40 mL x 3	6.30	VPH	ESP	0.134
MW-35	1	PP	250 mL	HNO_3	250 mL	6.30	Lead by 6010	ESP	0.134
	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-36	DATE: 9/28/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 30.04 ft. to 45.04 ft.	DEPTH TO WATER (feet): 30.40	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY
(45.04 ft. - 30.40 ft.) x 0.16 gal./ft. = 2.34 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3
2.34 gallons x 3 = 7.02 gallons

PUMP DEPTH IN WELL (feet): 37.50	PURGING INITIATED AT: 1417	PURGING ENDED AT: 1520	TOTAL VOLUME PURGED (gallons): 9.02

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-52 — SERIAL #: RHC2M75M

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.O.I — SERIAL #: 01.8003

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1417	Initial	0.164	31.04	19.52	11.25	0.140	6.27	233	824	light Brown	NA
1422	0.82	0.164	31.16	18.08	4.48	0.137	6.20	235	750	Light Brown	NA
1427	1.64	0.164	31.19	18.05	3.56	0.138	6.06	242	395	Clear	NA
1432	2.46	0.164	31.21	18.49	3.14	0.137	5.96	233	246	Clear	NA
1437	3.28	0.164	31.21	18.40	2.79	0.138	5.99	223	121	Clear	NA
1442	4.10	0.164	31.21	18.36	2.71	0.139	6.07	221	86.0	Clear	NA
1447	4.92	0.164	31.21	18.54	2.63	0.139	6.09	217	54.2	Clear	NA
1452	5.74	0.164	31.22	18.78	2.51	0.139	6.12	212	49.6	Clear	NA
1457	6.56	0.164	31.22	18.63	2.54	0.141	6.16	208	28.5	Clear	NA
1502	7.38	0.164	31.22	18.59	2.58	0.142	6.16	213	16.9	Clear	NA
1507	8.20	0.164	31.22	18.56	2.62	0.142	6.13	213	8.4	Clear	NA
1512	9.02	0.164	31.22	18.50	2.66	0.143	6.12	213	4.9	Clear	NA

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Justin Butler AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 1515

PUMP OR TUBING DEPTH IN WELL (feet): 37.50	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING (Y) N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-36	4	AG	40 mL	HCl	40 mL x 4	6.12	6200	ESP	0.164
MW-36	3	AG	40 mL	HCl	40 mL x 3	6.12	VPH	ESP	0.164
MW-36	1	PP	250 mL	HNO_3	250 mL	6.12	Lead by 6010	ESP	0.164
	3	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-36D	DATE: 9/29/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 114 ft. to 134 ft.	DEPTH TO WATER (feet): 29.95	PUMP TYPE OR BAILER: Bladder

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(134 ft. - 29.95 ft.) x 0.16 gal./ft. = 16.65 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

16.65 gallons x 3 = 49.95 gallons

PUMP DEPTH IN WELL (feet): 120	PURGING INITIATED AT: 1120	PURGING ENDED AT: 1205	TOTAL VOLUME PURGED (gallons): 3.00

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-5000 & U-52 — SERIAL #: CSUUDRK4 &

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.Oil — SERIAL #: 01-6623

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1135	1.00	0.066	34.52	17.12	0.00	0.297	6.87	-45	7.1	clear	none
1140	1.33	"	36.11	17.11	0.00	0.298	6.90	-54	5.6	"	"
1145	1.66	"	37.45	16.88	0.00	0.299	6.94	-58	2.8	"	"
1150	2.00	"	39.27	16.96	0.00	0.299	6.92	-58	0.0	"	"
1155	2.33	"	40.42	16.99	0.00	0.299	6.93	-58	0.0	"	"
1200	2.66	"	40.70	16.93	0.00	0.300	6.94	-58	0.0	"	"
1205	3.00	"	40.92	16.94	0.00	0.300	6.92	-56	0.0	"	"

Mike deKozlowski 9/29/21

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Mike deKozlowski / AECOM	SAMPLER(S) SIGNATURE(S): Mike deKozlowski	SAMPLE TIME: 1215

PUMP OR TUBING DEPTH IN WELL (feet): 120	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-36D	4	AG	40 mL	HCl	40 mL x 4	6.92	6200	ESP	0.066
"	3	AG	40 mL	HCl	40 mL x 3		VPH	"	"
"	1	PP	250 mL	HNO_3	250 mL		Lead by 6010	"	"
~~—~~	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-41	DATE: 09/30/21

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/8"	WELL SCREEN INTERVAL DEPTH: 53.10 ft. to 68.10 ft.	DEPTH TO WATER (feet): 57	PUMP TYPE OR BAILER: Monsoon XL

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(68.10 ft. - 57 ft.) x 0.16 gal./ft. = 1.78 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

1.78 gallons x 3 = 5.33 gallons

PUMP DEPTH IN WELL (feet): 62	PURGING INITIATED AT: 1140	PURGING ENDED AT: 1235	TOTAL VOLUME PURGED (gallons): 5.5

EQUIPMENT INFORMATION WATER QUALITY METER	MAKE/MODEL: Horiba U-52	SERIAL #: PX7U6YJV
EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE	MAKE/MODEL: HERON	SERIAL #: 01-7821

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. ~~(µS/cm)~~ mS/cm	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1140	—	—	57	17.75	5.51	0.110	6.24	179	655	Brown	none
1145	0.5	0.1	57.26	18.02	5.51	0.158	6.08	170	427		
1150	1.0	0.1	57.29	18.07	5.51	0.157	6.08	162	520		
1155	1.5	0.1	57.29	18.30	5.53	0.158	6.08	162	563		
1200	2.0	0.1	57.29	18.30	5.54	0.158	6.08	162	521		
1205	2.5	0.1	57.24	18.39	5.20	0.158	6.08	162	513		
1210	3.0	0.1	57.24	18.54	4.84	0.162	6.08	156	462		
1215	3.5	0.1	57.24	18.60	4.78	0.162	6.07	159	468		
1220	4.0	0.1	57.24	18.59	4.79	0.161	6.08	159	468		
1225	4.5	0.1	57.24	18.58	4.73	0.162	6.07	160	466		
1230	5.0	0.1	57.24	18.51	4.65	0.163	6.07	155	462		
1235	5.5	0.1	57.24	18.53	4.61	0.163	6.07	155	468		

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Emilia Tarellas / AECOM	SAMPLER(S) SIGNATURE(S): Emilia C. Tarellas	SAMPLE TIME: 1235
PUMP OR TUBING DEPTH IN WELL (feet): 62	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: -- FILTER SIZE: -- µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y (N replaced)	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-41	4	AG	40 mL	HCl	40 mL x 4	6.07	6200	ESP	0.1
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
	3	AG	40 mL	HCl	40 mL x 3		8015		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-42	DATE: 10/04/2021
WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 10.9 feet to 50.9 feet	DEPTH TO WATER (feet): 42.72	PUMP TYPE OR BAILER: Monsoon

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(50.9 ft. - 42.94 ft.) x 0.65 gal./ft. = 5.17 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

5.17 gallons x 3 = 15.51 gallons

PUMP DEPTH IN WELL (feet): 48	PURGING INITIATED AT: 1135	PURGING ENDED AT: 1200	TOTAL VOLUME PURGED (gallons): 5.0

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (~~µS/cm~~ mS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1135	0.00	0.2	44.60	19.10	5.90	0.310	6.26	104	96.4	Clear	None
1140	1.0	"	44.99	19.26	4.94	0.308	6.24	98	90.2	"	"
1145	2.0	"	45.08	19.49	3.58	0.301	6.23	97	70.9	"	"
1150	3.0	"	45.01	19.56	3.48	0.300	6.23	97	65.7	"	"
1155	4.0	"	44.94	19.61	3.27	0.300	6.22	100	62.2	"	"
1200	5.0	"	44.91	19.78	3.29	0.299	6.23	102	60.1	"	"

RG 10/04/2021

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Andrew O'Malia / AECOM	SAMPLER(S) SIGNATURE(S): A Oli	SAMPLE TIME: 1205
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: -- FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y ~~N~~ (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-42	4	AG	40 mL	HCl	40 mL x 4	6.23	6200	ESP	0.2
"	3	AG	40 mL	HCl	40 mL x 3	"	VPH	"	"
"	1	PP	250 mL	HNO_3	250 mL	"	Lead by 6010	"	"
~~"~~	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~	"	~~8015~~	"	"

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-43	DATE: 09 21

WELL DIAMETER (inches): 4"	TUBING DIAMETER (inches): 3/8"	WELL SCREEN INTERVAL DEPTH: 15.22 ft. to 50.22 ft.	DEPTH TO WATER (feet): 40.07	PUMP TYPE OR BAILER: Monsoon XL

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(50.22 ft. - 40.07 ft.) x 0.65 gal./ft. = 6.60 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

6.60 gallons x 3 = 19.79 gallons

PUMP DEPTH IN WELL (feet): 45.07	PURGING INITIATED AT: 1430	PURGING ENDED AT: 1530	TOTAL VOLUME PURGED (gallons):

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-52 — SERIAL #: PX7U6YJV

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: HERON — SERIAL #: 01-7821

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. ~~(µS/cm)~~ mS/cm	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1430	—	0.1	40.07	18.27	9.01	0.183	5.93	149	508	cloudy	None
1435	0.5	0.1	40.46	18.44	8.66	0.183	5.89	142	392		
1440	1.0	0.1	40.45	18.68	8.15	0.183	5.84	135	311		
1445	1.5	0.1	40.52	18.78	7.75	0.183	5.88	138	127		
1450	2.0	0.1	40.52	18.78	7.64	0.183	5.88	139	97.7		
1455	2.5	0.1	40.52	18.85	7.43	0.185	5.88	142	61.7	clear	
1500	3.0	0.1	40.52	18.85	7.36	0.185	5.88	145	42.0		
1505	3.5	0.1	40.52	18.85	7.33	0.188	5.89	147	24.1		
1510	4.0	0.1	40.52	18.86	7.32	0.189	5.91	146	22.5		
1515	4.5	0.1	40.52	18.91	7.29	0.190	5.90	148	12.8		
1520	5.0	0.1	40.52	18.90	7.16	0.191	5.92	151	9.2		
1525	5.5	0.1	40.52	18.92	7.13	0.194	5.92	151	4.6		
1530	6.0	0.1	40.52	18.97	7.09	0.194	5.92	155	0.0		

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Emilia Torrellas / AECOM	SAMPLER(S) SIGNATURE(S): Emilia C. Torrellas	SAMPLE TIME: 1530

PUMP OR TUBING DEPTH IN WELL (feet): 45.07	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-43	4	AG	40 mL	HCl	40 mL x 4	5.92	6200	ESP	0.1
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
	3	AG	40 mL	HCl	40 mL x 3		8015		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-44	DATE: 10/04/2021
WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 13.85 feet to 34.85 feet	DEPTH TO WATER (feet): 32.67	PUMP TYPE OR BAILER: Bailer

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

34.85 ft. - 32.67 ft.) x 0.65 gal./ft. = 1.41 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

1.41 gallons x 3 = 4.23 gallons

PUMP DEPTH IN WELL (feet): n/a	PURGING INITIATED AT: 1370	PURGING ENDED AT: 1345	TOTAL VOLUME PURGED (gallons): 1.5

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (~~µS/cm~~ mS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1340	0.00	n/a	n/c	20.08	8.77	0.278	7.31	123	990	Brown	None

Added 1.5 gal

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Andrew O'Malley/AECOM	SAMPLER(S) SIGNATURE(S): A O'M	SAMPLE TIME: 1408
PUMP OR TUBING DEPTH IN WELL (feet): n/a	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: -- FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y ~~N~~ (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-44	4	AG	40 mL	HCl	40 mL x 4	7.31	6200	ESP	0.2
"	3	AG	40 mL	HCl	40 mL x 3	"	VPH	"	"
"	1	PP	250 mL	HNO_3	250 mL	"	Lead by 6010	"	"
~~"~~	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~	"	~~8015~~	"	"

REMARKS: D/T @ 1.5 gal.

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-45	DATE: 10/01/21

WELL DIAMETER (inches): 4"	TUBING DIAMETER (inches): 3/8"	WELL SCREEN INTERVAL DEPTH: 12.84 ft. to 52.84 ft.	DEPTH TO WATER (feet): 38.52	PUMP TYPE OR BAILER: Monsoon XL

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(52.84 ft. - 38.52 ft.) x 0.65 gal./ft. = 9.31 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

9.31 gallons x 3 = 27.92 gallons

PUMP DEPTH IN WELL (feet): 43.52	PURGING INITIATED AT: 1155	PURGING ENDED AT: 1245	TOTAL VOLUME PURGED (gallons): 5.0

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-52; SERIAL #: PX7U6YJV

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: HERON; SERIAL #: 01-7821

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. ~~(µS/cm)~~ mS/cm	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1155	—	—	38.52	19	4.69	0.500	5.98	142	556	brown	None
1200	0.5	0.1	39.74	19.02	4.22	0.447	5.98	142	423	↓	↓
1205	1.0	0.1	39.80	19.25	4.27	0.534	5.98	143	392	↓	↓
1210	1.5	0.1	39.75	19.50	4.04	0.531	5.98	151	47	clear	None
1215	2.0	0.1	39.75	19.51	3.48	0.521	6.01	145	0	↓	↓
1220	2.5	0.1	39.75	19.68	3.50	0.518	6.01	144	0	↓	↓
1225	3.0	0.1	39.75	19.72	3.44	0.510	6.00	141	0	↓	↓
1230	3.5	0.1	39.75	19.80	3.49	0.497	6.01	146	0	↓	↓
1235	4.0	0.1	39.76	19.91	3.53	0.494	6.00	142	0	↓	↓
1240	4.5	0.1	39.76	19.98	3.52	0.494	6.00	142	0	↓	↓
1245	5.0	0.1	39.76	19.93	3.46	0.495	6.00	139	0	↓	↓

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Emilia Tarellas / AECOM	SAMPLER(S) SIGNATURE(S): Emilia C. Tarellas	SAMPLE TIME: 1245

PUMP OR TUBING DEPTH IN WELL (feet): 43.52	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N) replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-45	4	AG	40 mL	HCl	40 mL x 4	6.00	6200	ESP	0.1
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
	3	AG	40 mL	HCl	40 mL x 3		8015		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-46	DATE: 10/4/21

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 10 ft. to 40 ft.	DEPTH TO WATER (feet): 35.65	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(40 ft. - 35.65 ft.) x 0.65 gal./ft. = 2.8 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

2.8 gallons x 3 = 8.4 gallons

PUMP DEPTH IN WELL (feet): 38	PURGING INITIATED AT: 0925	PURGING ENDED AT: 1000	TOTAL VOLUME PURGED (gallons): 3.5

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba / U-52a — SERIAL #: SSUKW14F

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron / H.Oil — SERIAL #: 01.8347

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
0925	0.3		35.65	18.46	2.50	0.298	6.25	155	58.62	Clear	None
0930	0.8		35.65	18.80	2.47	0.293	6.24	165	39.66	"	"
0935	1.2		35.65	19.01	2.56	0.294	6.24	171	34.07	"	"
0940	1.7		35.65	19.16	2.14	0.293	6.24	172	24.91	"	"
0945	2.1		35.65	19.68	2.19	0.292	6.23	175	9.69	"	"
0950	2.5		35.65	19.76	1.98	0.293	6.23	178	6.40	"	"
0955	2.9		35.65	19.43	2.36	0.293	6.23	181	4.17	"	"
1000	3.4		35.65	19.40	2.29	0.292	6.23	182	1.22	"	"

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: T. Dickey / AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 1015

PUMP OR TUBING DEPTH IN WELL (feet): 38	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N (replaced)) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-46	4	AG	40 mL	HCl	40 mL x 4	6.23	6200	ESP	
"	3	AG	40 mL	HCl	40 mL x 3	"	VPH	"	
"	1	PP	250 mL	HNO_3	250 mL	"	Lead by 6010	"	
	3	AG	40 mL	HCl	40 mL x 3		8015		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-49	DATE: 10/01/21

WELL DIAMETER (inches): 4"	TUBING DIAMETER (inches): 3/8"	WELL SCREEN INTERVAL DEPTH: 14.58 ft. to 54.58 ft.	DEPTH TO WATER (feet): 36.48	PUMP TYPE OR BAILER: Monsoon XL

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(54.58 ft. - 36.48 ft.) x 0.65 gal./ft. = 11.77 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

11.77 gallons x 3 = 35.30 gallons

PUMP DEPTH IN WELL (feet): 41.48	PURGING INITIATED AT: 1400	PURGING ENDED AT: 1430	TOTAL VOLUME PURGED (gallons): 3.0

EQUIPMENT INFORMATION WATER QUALITY METER	MAKE/MODEL: Horiba U-52	SERIAL #: PX7U6YJV
EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE	MAKE/MODEL: HERON	SERIAL #: 01-7821

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. ~~(µS/cm)~~ mS/cm	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1400	—	—	36.48	19.14	5.74	0.229	5.93	178	93	clear	Nom
1405	0.5	0.1	36.65	19.15	5.49	0.227	5.92	179	54		
1410	1.0	0.1	36.67	19.25	5.59	0.224	5.88	178	37		
1415	1.5	0.1	36.63	19.34	5.64	0.223	5.88	179	19		
1420	2.0	0.1	36.63	19.33	5.66	0.223	5.87	181	0		
1425	2.5	0.1	36.63	19.37	5.67	0.224	5.84	181	0		
1430	3.0	0.1	36.63	19.36	5.64	0.224	5.84	181	0	↓	↓

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Emilia Tarellas / AECOM	SAMPLER(S) SIGNATURE(S): Emilia C. Tarellas	SAMPLE TIME: 1430
PUMP OR TUBING DEPTH IN WELL (feet): 41.48	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: -- FILTER SIZE: -- µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y (N replaced)	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-49	4	AG	40 mL	HCl	40 mL x 4	5.84	6200	ESP	0.1
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
	3	AG	40 mL	HCl	40 mL x 3		8015		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-50	DATE: 10/4/21

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 13 ft. to 53 ft.	DEPTH TO WATER (feet): 40.63	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(53 ft. - 40.63 ft.) x 0.65 gal./ft. = 8 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

8 gallons x 3 = 24 gallons

PUMP DEPTH IN WELL (feet): 50	PURGING INITIATED AT: 0800	PURGING ENDED AT: 0845	TOTAL VOLUME PURGED (gallons): 4.0

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba / U-52 — SERIAL #: SSUKW14F

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron / H.Oil — SERIAL #: 01-8347

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
0805	0.5		40.63	17.93	0.18	0.225	6.30	-18	110.7	Clear	None
0810	1.0		40.65	18.09	0.05	0.218	6.32	-15	76.20		
0815	1.4		40.65	18.32	0.09	0.215	6.31	-10	55.93		
0820	1.8		40.65	18.51	0.11	0.214	6.32	-9	47.11		
0825	2.2		40.65	18.52	0.11	0.214	6.32	-4	33.29		
0830	2.7		40.65	18.50	0.03	0.208	6.31	7	14.67		
0835	3.1		40.65	18.64	0.00	0.209	6.31	9	7.74		
0840	3.5		40.65	18.60	0.02	0.208	6.31	15	5.04		
0845	3.9		40.65	18.64	0.05	0.20°	6.31	16	3.77		

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Tim Dickey / AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 0855

PUMP OR TUBING DEPTH IN WELL (feet): 50	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N (replaced)) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-50	4	AG	40 mL	HCl	40 mL x 4	6.31	6200	ESP	
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
	3	AG	40 mL	HCl	40 mL x 3		8015		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-51	DATE: 10/01/21

WELL DIAMETER (inches): 4"	TUBING DIAMETER (inches): 3/8"	WELL SCREEN INTERVAL DEPTH: 20.97 ft. to 50.97 ft.	DEPTH TO WATER (feet): 40.52	PUMP TYPE OR BAILER: Monsoon XL

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(50.97 ft. - 40.52 ft.) x 0.65 gal./ft. = 6.79 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

6.79 gallons x 3 = 20.38 gallons

PUMP DEPTH IN WELL (feet): 45.52	PURGING INITIATED AT: 0950	PURGING ENDED AT: 1035	TOTAL VOLUME PURGED (gallons): 4.5

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-52 — SERIAL #: PX7U6YJV

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: HERON — SERIAL #: 01-7821

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. ~~(µS/cm)~~ mS/cm	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
0950	—	—	40.52	17.96	3.53	0.300	5.91	165	42	clear	None
0955	0.5	0.1	41.60	17.90	3.60	0.305	5.91	164	63		
1000	1.0	0.1	42.09	18.11	2.47	0.305	5.90	157	34		
1005	1.5	0.1	42.14	18.30	2.56	0.304	5.90	157	11		
1010	2.0	0.1	42.18	18.44	2.28	0.306	5.91	158	0		
1015	2.5	0.1	42.19	18.56	2.47	0.305	5.90	155	0		
1020	3.0	0.1	42.19	18.59	2.46	0.305	5.91	155	0		
1025	3.5	0.1	42.19	18.59	2.58	0.304	5.91	155	0		
1030	4.0	0.1	42.18	18.65	2.48	0.304	5.92	154	0		
1035	4.5	0.1	42.18	18.68	2.47	0.305	5.94	154	0		

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Emilia Tarellas / AECOM	SAMPLER(S) SIGNATURE(S): Emilia C. Tarellas	SAMPLE TIME: 1035
PUMP OR TUBING DEPTH IN WELL (feet): 45.52	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: -- FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-51	4	AG	40 mL	HCl	40 mL x 4		6200	ESP	0.1
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
	3	AG	40 mL	HCl	40 mL x 3		8015		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-52	DATE: 9/29/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 26.98 ft. to 56.98 ft.	DEPTH TO WATER (feet): 36.61	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY
(56.98 ft. - 36.61 ft.) x 0.65 gal./ft. = 13.24 gallons

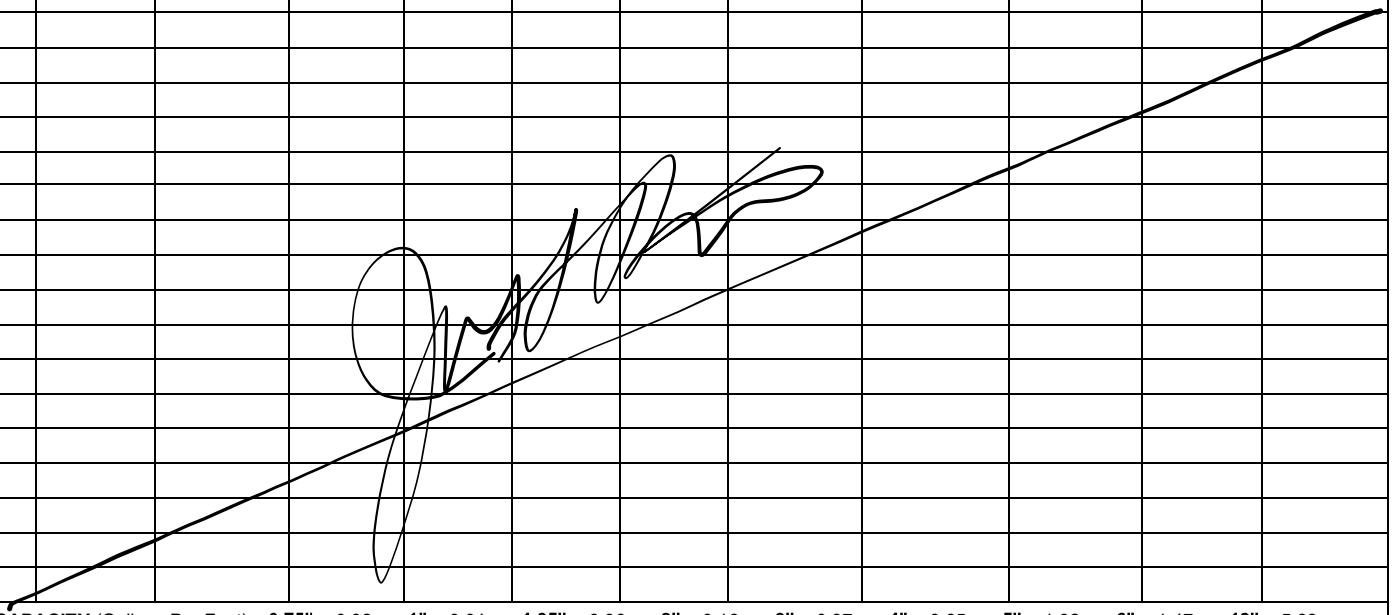
3 WELL VOLUMES = 1 WELL VOLUME X 3
13.24 gallons x 3 = 39.72 gallons

PUMP DEPTH IN WELL (feet): 47.00	PURGING INITIATED AT: 0931	PURGING ENDED AT: 1010	TOTAL VOLUME PURGED (gallons): 6.0

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-52 — SERIAL #: RHC2M75M

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.01 — SERIAL #: 01.8003

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
0931	Initial	0.2	36.92	16.72	5.11	0.220	6.56	-68	0.0	clear	NA
0936	1.0	0.2	37.18	16.50	3.44	0.221	6.60	-100	0.0	clear	NA
0941	2.0	0.2	37.26	16.59	2.38	0.222	6.60	-112	0.0	clear	NA
0946	3.0	0.2	37.30	16.65	1.39	0.223	6.61	-119	0.0	clear	NA
0951	4.0	0.2	37.35	16.62	0.76	0.224	6.60	-119	0.0	clear	NA
0956	5.0	0.2	37.37	16.61	0.56	0.224	6.61	-119	0.0	clear	NA
1001	6.0	0.2	37.40	16.64	0.38	0.224	6.61	-119	0.0	clear	NA



WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Justin Butler AFCOM	SAMPLER(S) SIGNATURE(S): Justin	SAMPLE TIME: 1005

PUMP OR TUBING DEPTH IN WELL (feet): 47.00	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N (replaced)) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-52	4	AG	40 mL	HCl	40 mL x 4	6.61	6200	ESP	0.2
MW-52	3	AG	40 mL	HCl	40 mL x 3	6.61	VPH	ESP	0.2
MW-52	1	PP	250 mL	HNO_3	250 mL	6.61	Lead by 6010	ESP	0.2
	3	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-53	DATE: 9/28/21

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 40 ft. to 60 ft.	DEPTH TO WATER (feet): 30.97	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(_____ ft. - _____ ft.) x _____ gal./ft. = _____ gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

_____ gallons x 3 = _____ gallons

PUMP DEPTH IN WELL (feet): 57	PURGING INITIATED AT: 0940	PURGING ENDED AT: 1050	TOTAL VOLUME PURGED (gallons): 6.7

EQUIPMENT INFORMATION WATER QUALITY METER	MAKE/MODEL: Horiba U-52	SERIAL #: SSUKW14F
EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE	MAKE/MODEL: Heron/H.Oil	SERIAL #: 01-8347

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
0945	0.4		30.98	15.84	1.65	0.293	6.65	144	281	Clear	None
0950	0.9		30.98	15.67	0.01	0.290	6.67	129	340	"	"
0955	1.4		30.99	16.00	0.72	0.290	6.67	125	195	"	"
1000	2.0		30.99	15.92	0.63	0.290	6.67	115	120	"	"
1005	2.4		30.99	16.04	0.69	0.290	6.67	112	68.4	"	"
1010	2.9		30.99	16.04	0.71	0.290	6.67	108	36.2	"	"
1015	3.3		31.00	16.05	0.55	0.289	6.67	104	15.7	"	"
1020	3.8		31.00	16.17	0.34	0.288	6.67	103	11.9	"	"
1025	4.3		31.00	16.14	0.23	0.288	6.67	102	7.4	"	"
1030	4.8		31.00	16.18	0.25	0.288	6.65	102	3.9	"	"

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: T. Dickey / AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 1045

PUMP OR TUBING DEPTH IN WELL (feet): 57	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N (replaced)) DUPLICATE: (Y) N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-53	4	AG	40 mL	HCl	40 mL x 4	6.65	6200	ESP	
"	3	AG	40 mL	HCl	40 mL x 3	"	VPH	"	
"	1	PP	250 mL	HNO_3	250 mL	"	Lead by 6010	"	
"	3	AG	40 mL	HCl	40 mL x 3	"	8015	"	

REMARKS: DUP-1-20210928

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-56	DATE: 9/28/21

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 13.26 ft. to 43.26 ft.	DEPTH TO WATER (feet): 13.50	PUMP TYPE OR BAILER: Bladder

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(43.26 ft. - 13.50 ft.) x 0.65 gal./ft. = 19.34 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

19.34 gallons x 3 = 58.02 gallons

PUMP DEPTH IN WELL (feet): 25	PURGING INITIATED AT: 1020	PURGING ENDED AT: 1100	TOTAL VOLUME PURGED (gallons): 4.0

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-5000 & U-52; SERIAL #: CSUUDRK4 &

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.Oil; SERIAL #: 01-6623

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1025	0.5	0.1	13.94	15.74	7.35	0.181	6.23	221	25.8	clear	none
1030	1.0		14.28	15.55	4.01	0.171	6.14	221	17.1		
1035	1.5		14.49	15.56	3.29	0.170	6.12	221	11.0		
1040	2.0		14.61	15.57	2.88	0.169	6.11	221	9.5		
1045	2.5		14.68	15.57	2.65	0.169	6.11	222	9.7		
1050	3.0		14.70	15.58	2.55	0.169	6.11	222	10.2		
1055	3.5		14.70	15.58	2.44	0.169	6.11	222	9.8		
1100	4.0		14.70	15.59	2.35	0.169	6.11	223	9.7		

Mike deKozlowski 9/28/21

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Mike deKozlowski / AECOM	SAMPLER(S) SIGNATURE(S): Mike deKozlowski	SAMPLE TIME: 1100
PUMP OR TUBING DEPTH IN WELL (feet): 25	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: -- FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-56	4	AG	40 mL	HCl	40 mL x 4	6.11	6200	ESP	0.1
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
~~—~~	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-57	DATE: 9/28/21

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 13.13 ft. to 48.13 ft.	DEPTH TO WATER (feet): 14.93	PUMP TYPE OR BAILER: Bladder

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(48.13 ft. - 14.93 ft.) x 0.65 gal./ft. = 21.58 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

21.58 gallons x 3 = 64.74 gallons

PUMP DEPTH IN WELL (feet): 30	PURGING INITIATED AT: 1145	PURGING ENDED AT: 1215	TOTAL VOLUME PURGED (gallons): 3.0

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-5000 & U-52; SERIAL #: CSUUDRK4 &

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.Oil; SERIAL #: 01-6623

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1150	0.5	0.1	15.22	15.00	8.34	0.165	6.21	225	6.0	clear	None
1155	1.0		15.48	14.97	4.80	0.165	6.20	224	1.5		
1200	1.5		15.61	14.99	3.88	0.165	6.20	221	0.0		
1205	2.0		15.75	14.96	3.51	0.165	6.19	222	0.8		
1210	2.5		15.89	14.97	3.32	0.165	6.18	222	0.0		
1215	3.0		15.90	14.98	3.20	0.165	6.16	222	0.0		

Mike deKozlowski 9/28/21

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Mike deKozlowski / AECOM	SAMPLER(S) SIGNATURE(S): Mike deKozlowski	SAMPLE TIME: 1230

PUMP OR TUBING DEPTH IN WELL (feet): 30	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-57	4	AG	40 mL	HCl	40 mL x 4	6.16	6200	ESP	0.1
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
~~---~~	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-57D	DATE: 9/28/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 98.18 ft. to 108.18 ft.	DEPTH TO WATER (feet): 14.96	PUMP TYPE OR BAILER: Bladder

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(108.18 ft. - 14.96 ft.) x 0.16 gal./ft. = 14.92 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

14.92 gallons x 3 = 44.76 gallons

PUMP DEPTH IN WELL (feet): 102	PURGING INITIATED AT: 1300	PURGING ENDED AT: 1425	TOTAL VOLUME PURGED (gallons): 8.5

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-5000 & U-52; SERIAL #: CSUUDRK4 &

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.Oil; SERIAL #: 01-6623

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1310	1.0	0.1	18.18	16.27	3.62	0.270	7.95	153	6.4	Clear	none
1315	1.5		19.99	16.19	0.56	0.270	8.15	141	7.6		
1320	2.0		21.72	16.28	0.11	0.270	8.28	129	4.8		
1325	2.5		23.25	16.25	0.00	0.270	8.33	120	4.1		
1330	3.0		24.90	16.29	0.00	0.270	8.36	112	5.0		
1335	3.5		26.02	16.22	0.00	0.270	8.35	106	7.3		
1340	4.0		27.89	16.19	0.00	0.270	8.37	99	7.7		
1345	4.5		29.21	16.19	0.00	0.270	8.39	93	7.2		
1350	5.0		30.62	16.20	0.00	0.270	8.39	90	6.5		
1355	5.5		32.25	16.23	0.00	0.270	8.40	85	7.3		
1400	6.0		33.53	16.26	0.00	0.270	8.40	81	7.1		
1405	6.5		34.80	16.22	0.00	0.270	8.40	78	6.6		
1410	7.0		35.88	16.29	0.00	0.271	8.40	75	6.2		
1415	7.5		36.32	16.30	0.00	0.270	8.41	72	6.4		
1420	8.0		36.49	16.30	0.00	0.270	8.40	70	6.5		
1425	8.5		36.60	16.29	0.00	0.270	8.40	69	6.3		

Mike deKozlowski 9/28/21

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Mike deKozlowski / AECOM	SAMPLER(S) SIGNATURE(S): Mike deKozlowski	SAMPLE TIME: 1430
PUMP OR TUBING DEPTH IN WELL (feet): 102	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: -- FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-57D	4	AG	40 mL	HCl	40 mL x 4	8.40	6200	ESP	0.1
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
~~---~~	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS: Large draw down, similar to last event FB-1-20210928 collected

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-58	DATE: 9/29/21
WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 23.05 ft. to 53.05 ft.	DEPTH TO WATER (feet): 30.81	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY
(53.05 ft. - 30.81 ft.) x 0.65 gal./ft. = 14.446 gallons

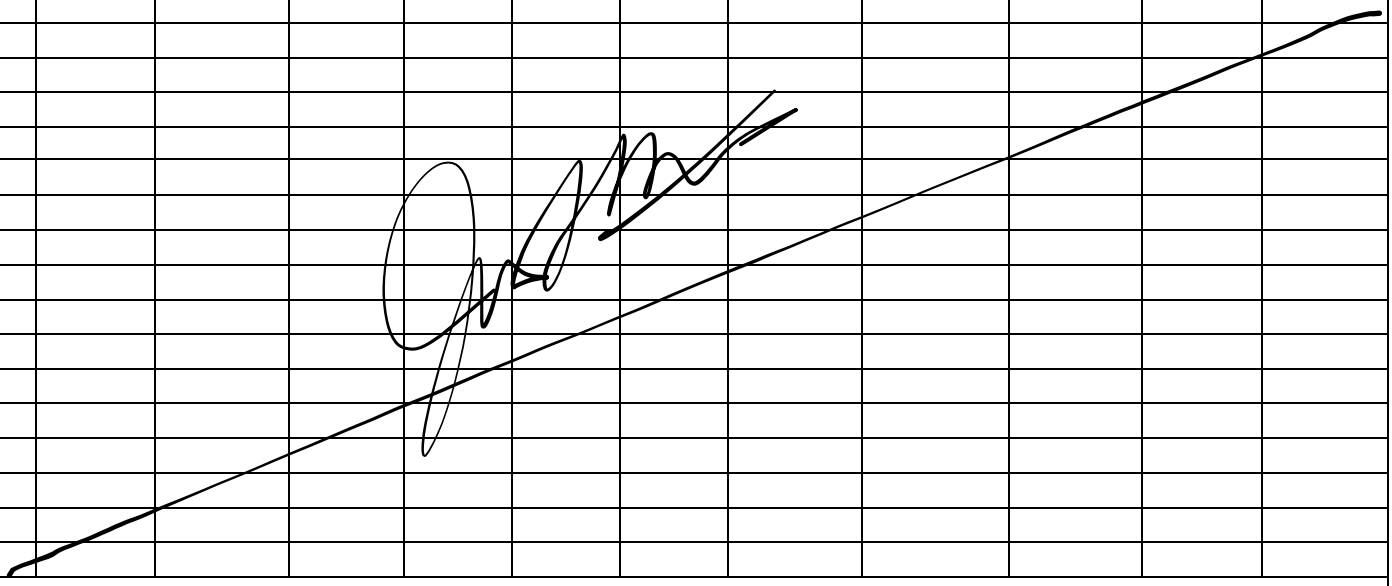
3 WELL VOLUMES = 1 WELL VOLUME X 3
14.46 gallons x 3 = 43.38 gallons

PUMP DEPTH IN WELL (feet): 42.00	PURGING INITIATED AT: 1054	PURGING ENDED AT: 1135	TOTAL VOLUME PURGED (gallons):

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-52 — SERIAL #: RHC2M75M

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.O.I — SERIAL #: 01.8003

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1054	Initial	0.157	31.18	18.22	11.99	0.115	6.33	151	0.0	clear	NA
1059	0.79	0.158	31.52	17.39	6.95	0.113	6.22	173	0.0	clear	NA
1104	1.58	0.158	31.98	17.49	6.10	0.113	6.19	195	0.0	clear	NA
1109	2.37	0.158	32.40	17.23	5.97	0.113	6.18	210	0.0	clear	NA
1114	3.16	0.158	32.71	17.15	5.71	0.113	6.16	219	0.0	clear	NA
1119	3.95	0.158	33.01	17.26	5.55	0.113	6.15	229	0.0	clear	NA
1124	4.74	0.158	33.30	17.28	5.49	0.113	6.14	236	0.0	clear	NA
1129	5.53	0.158	33.52	17.30	5.44	0.112	6.13	236	0.0	clear	NA



WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Justin Butler AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 1130
PUMP OR TUBING DEPTH IN WELL (feet): 42.00	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: -- FILTER SIZE: -- µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y (N (replaced))	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-58	4	AG	40 mL	HCl	40 mL x 4	6.13	6200	ESP	0.158
MW-58	3	AG	40 mL	HCl	40 mL x 3	6.13	VPH	ESP	0.158
MW-58	1	PP	250 mL	HNO_3	250 mL	6.13	Lead by 6010	ESP	0.158
	3	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-59	DATE: 9/29/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 22.93 ft. to 52.93 ft.	DEPTH TO WATER (feet): 33.05	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY
(52.93 ft. - 33.05 ft.) x 0.65 gal./ft. = 12.92 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3
12.92 gallons x 3 = 38.77 gallons

PUMP DEPTH IN WELL (feet): 43.00	PURGING INITIATED AT: 0838	PURGING ENDED AT: 0915	TOTAL VOLUME PURGED (gallons): 4.02

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-52; SERIAL #: RHC2M75M

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.01; SERIAL #: 01.8003

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
0838	Initial	0.134	33.67	16.43	8.73	0.125	5.80	284	0.0	Clear	NA
0843	0.67	0.134	33.73	16.36	6.63	0.120	5.94	291	0.0	Clear	NA
0848	1.34	0.134	33.81	16.34	6.41	0.120	6.05	296	0.0	Clear	NA
0853	2.01	0.134	33.88	16.38	6.19	0.119	6.09	302	0.0	Clear	NA
0858	2.68	0.134	33.92	16.42	6.10	0.118	6.12	301	0.0	Clear	NA
0903	3.35	0.134	33.93	16.45	6.05	0.117	6.11	303	0.0	Clear	NA
0908	4.02	0.134	33.94	16.50	6.02	0.117	6.11	303	0.0	Clear	NA

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Justin Butler AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 0910

PUMP OR TUBING DEPTH IN WELL (feet): 43.00	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-59	4	AG	40 mL	HCl	40 mL x 4	6.11	6200	ESP	0.134
MW-59	3	AG	40 mL	HCl	40 mL x 3	6.11	VPH	ESP	0.134
MW-59	1	PP	250 mL	HNO_3	250 mL	6.11	Lead by 6010	ESP	0.134
	3	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-60	DATE: 10/4/21

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 24 ft. to 44 ft.	DEPTH TO WATER (feet): 34.72	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(44 ft. - 34.72 ft.) x 0.65 gal./ft. = 6.0 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

6.0 gallons x 3 = 18.0 gallons

PUMP DEPTH IN WELL (feet): 42	PURGING INITIATED AT: 1200	PURGING ENDED AT: 1250	TOTAL VOLUME PURGED (gallons): 4.8

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba / U-52 — SERIAL #: SSUKW14F

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron / H.Oil — SERIAL #: 01.8347

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1200	0.1		34.72	17.89	9.54	0.097	6.81	131	221.9	Clear	None
1205	0.5		34.73	19.30	8.31	0.096	6.86	139	229.1		
1210	0.9		34.73	19.82	8.19	0.097	6.87	144	179.6		
1215	1.4		34.73	19.77	8.26	0.097	6.88	131	133.0		
1220	1.9		34.73	19.56	8.17	0.097	6.88	132	117.8		
1225	2.5		34.73	19.52	8.19	0.097	6.88	129	100.5		
1230	3.0		34.73	19.45	8.21	0.098	6.88	128	57.00		
1235	3.4		34.73	19.35	8.28	0.099	6.87	115	36.74		
1240	3.9		34.73	19.34	8.20	0.099	6.87	113	15.25		
1245	4.3		34.73	19.26	8.20	0.099	6.86	110	10.96		
1250	4.8		34.73	19.27	8.22	0.100	6.85	109	2.73		

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Tim Dickey / AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 1305

PUMP OR TUBING DEPTH IN WELL (feet): 42	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-60	4	AG	40 mL	HCl	40 mL x 4	6.85	6200	ESP	
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
	3	AG	40 mL	HCl	40 mL x 3		8015		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-610	DATE: 09/21

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/8"	WELL SCREEN INTERVAL DEPTH: 96.50 ft. to 106.50 ft.	DEPTH TO WATER (feet): 56.54	PUMP TYPE OR BAILER: Monsoon XL

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(106.50 ft. - 56.54 ft.) x 0.16 gal./ft. = 8.0 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

8 gallons x 3 = 24 gallons

PUMP DEPTH IN WELL (feet): 101.50	PURGING INITIATED AT: 0935	PURGING ENDED AT: 1025	TOTAL VOLUME PURGED (gallons): 5

EQUIPMENT INFORMATION WATER QUALITY METER	MAKE/MODEL: Horiba U-52	SERIAL #: PX7U6YJV	EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE	MAKE/MODEL: HERON	SERIAL #: 01-7821

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. ~~(µS/cm)~~ mS/cm	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
0935	—	0.1	56.54	18.01	6.60	0.228	6.05	253	0	clear	none
0940	0.5	0.1	56.56	18.23	6.77	0.228	6.11	230	0		
0945	1.0	0.1	56.60	19.0	6.53	0.229	6.11	198	0		
0950	1.5	0.1	56.62	19.06	6.16	0.228	6.11	162	0		
0955	2.0	0.1	56.62	18.79	5.79	0.226	6.13	169	0		
1000	2.5	0.1	56.62	18.79	5.34	0.225	6.11	176	0		
1005	3.0	0.1	56.62	18.85	5.07	0.224	6.11	181	0		
1010	3.5	0.1	56.62	18.86	4.96	0.224	6.11	187	0		
1015	4.0	0.1	56.62	18.89	4.86	0.224	6.10	190	0		
1020	4.5	0.1	56.62	18.87	4.82	0.222	6.10	195	0		
1025	5.0	0.1	56.62	18.88	4.85	0.222	6.09	199	0		

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Emilia Torrellas / AECOM	SAMPLER(S) SIGNATURE(S): Emilia C. Torrellas	SAMPLE TIME: 1025

PUMP OR TUBING DEPTH IN WELL (feet): 101.50	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N) replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-610	4	AG	40 mL	HCl	40 mL x 4	6.09	6200	ESP	0.1
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
	3	AG	40 mL	HCl	40 mL x 3		8015		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-75	DATE: 10/4/21

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): NA	WELL SCREEN INTERVAL DEPTH: 28.77 ft. to 38.77 ft.	DEPTH TO WATER (feet): 37.43	PUMP TYPE OR BAILER: Bailer

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(38.77 ft. - 37.43 ft.) x 0.65 gal./ft. = 0.87 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

0.87 gallons x 3 = 2.6 gallons

PUMP DEPTH IN WELL (feet): NA	PURGING INITIATED AT: 1208	PURGING ENDED AT: 1500	TOTAL VOLUME PURGED (gallons): 0.6

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: SERIAL #: Horiba U-52/RHC2M75M

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: SERIAL #:

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1219	0.5	—	—	20.86	4.07	0.290	6.45	258	—	Cloudy Brown	None

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Erik Rigal/AECOM	SAMPLER(S) SIGNATURE(S): ERR	SAMPLE TIME: 1500

PUMP OR TUBING DEPTH IN WELL (feet): 45	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N (replaced)) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-62	4	AG	40 mL	HCl	40 mL x 4	6.45	6200	B	—
MW-62	3	AG	40 mL	HCl	40 mL x 3	6.45	VPH	B	—
MW-62	1	PP	250 mL	HNO_3	250 mL	6.45	Lead by 6010	B	—
~~—~~	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		8015		

REMARKS: Dry @ 0.5 gal, will let recharge.

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-62D	DATE: 9/30/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 131.50 ft. to 141.50 ft.	DEPTH TO WATER (feet): 56.83	PUMP TYPE OR BAILER: Bladder

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(141.50 ft. - 56.83 ft.) x 0.16 gal./ft. = 13.55 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

13.55 gallons x 3 = 40.65 gallons

PUMP DEPTH IN WELL (feet): 135	PURGING INITIATED AT: 1410	PURGING ENDED AT: 1505	TOTAL VOLUME PURGED (gallons): 1.56

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-5000 & U-52; SERIAL #: CSUUDRK4 &

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.Oil; SERIAL #: 01-6623

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1420	0.26	0.026	57.09	20.43	6.68	0.884	11.15	-30	35.0	clear	none
1425			57.20	20.02	1.38	1.13	11.31	-42	24.3		
1430	0.52		57.26	20.03	0.77	1.38	11.43	-55	26.4		
1435			57.31	19.69	0.23	2.27	11.66	-69	18.4		
1440	0.78		57.37	19.71	0.00	3.01	11.77	-81	24.6		
1445			57.43	19.22	0.00	3.41	11.82	-87	23.5		
1450	1.04		57.49	19.14	0.08	3.42	11.82	-86	20.4		
1455			57.50	19.08	0.06	3.45	11.82	-84	15.2		
1500	1.30		57.50	19.28	0.00	3.45	11.82	-85	14.1		
1505	1.56		57.50	19.30	0.00	3.41	11.81	-90	13.8		

Mike deKozlowski/AECOM 9/30/21

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Mike deKozlowski/AECOM	SAMPLER(S) SIGNATURE(S): Mike deKozlowski	SAMPLE TIME: 1515
PUMP OR TUBING DEPTH IN WELL (feet): 135	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: -- FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-62D	4	AG	40 mL	HCl	40 mL x 4	5.59	6200	ESP	0.026
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
~~—~~	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS: High pH and conductivity

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-63	DATE: 9/29/21

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 23 ft. to 58 ft.	DEPTH TO WATER (feet): 42.52	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(_____ ft. - _____ ft.) x _____ gal./ft. = _____ gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

_____ gallons x 3 = _____ gallons

PUMP DEPTH IN WELL (feet): 55	PURGING INITIATED AT: 0850	PURGING ENDED AT: 0950	TOTAL VOLUME PURGED (gallons): 6.7

EQUIPMENT INFORMATION WATER QUALITY METER	MAKE/MODEL: Horiba / U-52	SERIAL #: SSUKW14F
EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE	MAKE/MODEL: Heron / H.Oil	SERIAL #: 01 - 8347

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
0850	0		42.52	16.77	3.13	0.282	6.15	176	89.5	Clear	None
0855	0.4		42.52	16.78	2.45	0.260	6.22	157	69.0	"	"
0900	0.8		42.52	16.75	1.87	0.245	6.24	142	56.2	"	"
0905	1.3		42.53	17.14	1.96	0.244	6.25	135	48.6	"	"
0910	1.8		42.53	17.11	1.73	0.244	6.26	133	112	"	"
0915	2.2		42.53	17.22	1.44	0.243	6.26	133	116	"	"
0920	2.7		42.53	17.25	1.69	0.241	6.27	137	55.3	"	"
0925	3.1		42.53	17.48	1.64	0.240	6.28	138	62.4	"	"
0930	4.5		42.53	17.49	1.66	0.240	6.28	139	71.7	"	"
0935	4.9		42.53	17.51	1.67	0.240	6.29	140	73.0	"	"

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: T. DicKey / AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 0945

PUMP OR TUBING DEPTH IN WELL (feet): 55	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-63	4	AG	40 mL	HCl	40 mL x 4	6.29	6200	ESP	
"	3	AG	40 mL	HCl	40 mL x 3	"	VPH	"	
"	1	PP	250 mL	HNO_3	250 mL	"	Lead by 6010	"	
"	3	AG	40 mL	HCl	40 mL x 3	"	8015	"	

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-64	DATE: 10/4/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 34.57 ft. to 69.57 ft.	DEPTH TO WATER (feet): 39.96	PUMP TYPE OR BAILER: Monsoon

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(69.57 ft. - 39.96 ft.) x 0.16 gal./ft. = 4.74 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

4.73 gallons x 3 = 14.21 gallons

PUMP DEPTH IN WELL (feet): 45	PURGING INITIATED AT: 0838	PURGING ENDED AT: 0955	TOTAL VOLUME PURGED (gallons): 6.0

EQUIPMENT INFORMATION WATER QUALITY METER	MAKE/MODEL: SERIAL #: Horiba U-52/RHC2M75M	EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE	MAKE/MODEL: SERIAL #:

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
0841	0	0.1	39.97	19.01	7.76	0.192	6.23	273	506	Cloudy	None
0846	0.5	0.1	39.97	19.59	5.62	0.171	6.27	258	473	Cloudy	None
0851	1.0	0.1	39.98	19.62	3.88	0.158	6.36	245	393	Cloudy	None
0856	1.5	0.1	39.98	19.63	4.12	0.154	6.41	186	378	Cloudy	None
0901	2.0	0.1	39.98	19.46	3.37	0.154	6.43	167	160	Cloudy	None
0906	2.5	0.1	39.98	19.35	3.39	0.154	6.46	160	141	Cloudy	None
0911	3.0	0.1	39.98	1930	3.14	0.154	6.46	161	143	Cloudy	None
0916	3.5	0.1	39.98	19.34	3.44	0.154	6.46	156	141	Cloudy	None
0921	4.0	0.1	39.98	1929	3.07	0.155	6.46	161	166	Cloudy	None
0926	4.5	0.1	39.98	19.27	3.16	0.155	6.48	163	196	Cloudy	None
0931	5.0	0.1	39.98	19.32	3.04	0.157	6.48	167	208	Cloudy	None
0936	5.5	0.1	39.98	19.33	3.19	0.157	6.48	168	202	Cloudy	None

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Erik Rigal / AECOM	SAMPLER(S) SIGNATURE(S): ERR	SAMPLE TIME: 0945

PUMP OR TUBING DEPTH IN WELL (feet): 45	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-64	4	AG	40 mL	HCl	40 mL x 4	6.48	6200	ESP	0.1
MW-64	3	AG	40 mL	HCl	40 mL x 3	6.48	VPH	ESP	0.1
MW-64	1	PP	250 mL	HNO_3	250 mL	6.48	Lead by 6010	ESP	0.1
	3	AG	40 mL	HCl	40 mL x 3		8015		

REMARKS: High turbidity, All Parameters Stable.

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-65	DATE: 10/04/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 25 ft. to 40 ft.	DEPTH TO WATER (feet): 24.91	PUMP TYPE OR BAILER: Bladder

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(40 ft. - 23.91 ft.) x 0.16 gal./ft. = 2.41 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

2.41 gallons x 3 = 7.23 gallons

PUMP DEPTH IN WELL (feet): 32	PURGING INITIATED AT: 1000	PURGING ENDED AT: 1115	TOTAL VOLUME PURGED (gallons): 4.0

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-5000 & U-52; SERIAL #: CSUUDRK4 &

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.Oil; SERIAL #: 01-6623

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1010	1.0	0.1	25.18	17.76	9.24	0.124	5.30	201	>1000	Brown Cloudy Shiny	none
1015	1.5		25.11	17.85	4.13	0.125	5.25	199	>1000		
1020	2.0		25.07	17.93	3.71	0.126	5.26	201	>1000		
1025	2.5		25.08	17.98	3.39	0.126	5.24	206	>1000		
1030	3.0		25.08	17.96	3.04	0.127	5.21	210	>1000		
1035	3.5		25.08	17.95	2.95	0.127	5.22	214	>1000		
1040	4.0		25.08	17.96	2.81	0.128	5.23	218	840		
1045	4.5		25.08	17.95	2.68	0.128	5.24	219	619		
1050	5.0		25.09	17.97	2.66	0.128	5.20	218	586		
1055	5.5		25.09	17.90	2.66	0.128	5.20	218	491		
1100	6.0		25.09	17.85	2.65	0.128	5.20	219	456	clear	
1105	6.5		25.10	17.91	2.67	0.128	5.21	218	457		
1110	7.0		25.10	17.93	2.54	0.128	5.21	218	346		
1115	7.5		25.10	17.98	2.55	0.128	5.22	218	375		

Mike deKozlovski 10/04/21

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Mike deKozlovski / AECOM	SAMPLER(S) SIGNATURE(S): Mike deKozlovski	SAMPLE TIME: 1115
PUMP OR TUBING DEPTH IN WELL (feet): 32	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: -- FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-65	4	AG	40 mL	HCl	40 mL x 4	5.22	6200	ESP	0.1
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
~~---~~	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS: 3 well volumes purged

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-65D	DATE: 10/04/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 118.40 ft. to 123.40 ft.	DEPTH TO WATER (feet): 23.91	PUMP TYPE OR BAILER: Bladder

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(123.40 ft. - 23.91 ft.) x 0.16 gal./ft. = 15.92 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

15.92 gallons x 3 = 47.76 gallons

PUMP DEPTH IN WELL (feet): 119	PURGING INITIATED AT: 0840	PURGING ENDED AT: 0920	TOTAL VOLUME PURGED (gallons): 4.0

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-5000 & U-52 — SERIAL #: CSUUDRK4 &

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.Oil — SERIAL #: 01-6623

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
0850	1.0	0.1	27.93	17.63	0.69	0.274	5.89	161	0.0	clear	none
0855	1.5		28.43	17.62	0.21	0.291	5.96	146	0.0		
0900	2.0		28.75	17.63	0.17	0.269	5.98	139	0.0		
0905	2.5		28.91	17.65	0.44	0.249	5.91	141	0.0		
0910	3.0		29.05	17.68	0.73	0.233	5.82	150	0.0		
0915	3.5		29.07	17.66	0.67	0.229	5.79	153	0.0		
0920	4.0		29.08	17.67	0.70	0.226	5.75	157	0.0		

Mike deKozlovski 10/04/21

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Mike deKozlovski / AECOM	SAMPLER(S) SIGNATURE(S): Mike deKozlovski	SAMPLE TIME: 0930

PUMP OR TUBING DEPTH IN WELL (feet): 119	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-65D	4	AG	40 mL	HCl	40 mL x 4	5.75	6200	ESP	0.1
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
~~—~~	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-66	DATE: 10/4/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 34.95 ft. to 53.95 ft.	DEPTH TO WATER (feet): 41.25	PUMP TYPE OR BAILER: Monsoon

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(53.95 ft. - 41.25 ft.) x 0.16 gal./ft. = 2.0 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

2.0 gallons x 3 = 6.0 gallons

PUMP DEPTH IN WELL (feet): 47	PURGING INITIATED AT: 1304	PURGING ENDED AT: 1432	TOTAL VOLUME PURGED (gallons): 7

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: — SERIAL #: Horiba U-52/RHC2M75M

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: — SERIAL #:

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1307	0	0.1	41.70	24.46	5.62	0.157	6.18	248	>1000	Cloudy Brown	None
1312	0.5	0.1	41.70	24.22	5.49	0.157	6.24	265	>1000	Cloudy Brown	None
1317	1.0	0.1	40.70	21.98	5.88	0.156	6.18	280	>1000	Cloudy Brown	None
1322	1.5	0.1	40.71	21.47	5.28	0.159	6.14	279	>1000	Cloudy Brown	None
1327	2.0	0.1	40.71	20.88	5.18	0.159	6.29	275	>1000	Cloudy Brown	None
1332	2.5	0.1	40.72	20.85	5.21	0.159	6.20	281	>1000	Cloudy Brown	None
1337	3.0	0.1	40.72	20.87	5.50	0.158	6.21	248	825	Cloudy Brown	None
1342	3.5	0.1	40.72	20.82	5.49	0.158	6.27	251	907	Cloudy Brown	None
1347	4.0	0.1	40.73	20.74	5.36	0.158	6.24	257	743	Cloudy Brown	None
1352	4.5	0.1	40.73	20.66	5.22	0.158	6.20	267	544	Cloudy Brown	None
1357	5.0	0.1	40.73	20.57	5.15	0.159	6.15	265	516	Cloudy Brown	None
1402	5.5	0.1	40.72	20.39	5.17	0.158	6.27	253	320	Cloudy Brown	None
1407	6.0	0.1	40.72	20.56	5.12	0.158	6.27	251	296	Cloudy Brown	None
1412	6.5	0.1	40.72	20.59	5.04	0.158	6.27	251	272	Cloudy Brown	None

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Erik Rigal/AECOM	SAMPLER(S) SIGNATURE(S): ERR	SAMPLE TIME: 1420

PUMP OR TUBING DEPTH IN WELL (feet): 47	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-66	4	AG	40 mL	HCl	40 mL x 4	6.27	6200	ESP	0.1
MW-66	3	AG	40 mL	HCl	40 mL x 3	6.27	VPH	ESP	0.1
MW-66	1	PP	250 mL	HNO_3	250 mL	6.27	Lead by 6010	ESP	0.1
	3	AG	40 mL	HCl	40 mL x 3		8015		

REMARKS: 3 well volumes purged, High turbidity

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-67	DATE: 10/04/2021

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH 30.1 feet to 45.1 feet	DEPTH TO WATER (feet): 33.71	PUMP TYPE OR BAILER: Monsoon

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(45.1 ft. - 33.71 ft.) x 0.16 gal./ft. = 1.82 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

1.82 gallons x 3 = 5.46 gallons

PUMP DEPTH IN WELL (feet): 40	PURGING INITIATED AT: 0900	PURGING ENDED AT: 0930	TOTAL VOLUME PURGED (gallons): 3.0

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (~~µS/cm~~ mS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
0900	0.60	0.1	34.83	18.87	4.70	0.215	6.32	198	286	Brown	None
0905	0.5	"	34.61	19.28	3.99	0.226	6.33	178	213	"	"
0910	1.0	"	34.64	19.17	3.96	0.226	6.33	178	143	"	"
0915	1.5	"	34.68	19.16	3.94	0.226	6.32	176	108	Cloudy Brown	"
0920	2.0	"	34.70	19.19	3.96	0.226	6.32	174	81.8	"	"
0925	2.5	"	34.71	19.18	3.96	0.226	6.32	174	76.3	"	"
0930	3.0	"	34.71	19.16	3.97	0.226	6.32	172	83.1	"	"

DO 10/04/2021

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Andrew O'Malley/AECOM	SAMPLER(S) SIGNATURE(S): A O'M	SAMPLE TIME: 0935

PUMP OR TUBING DEPTH IN WELL (feet): 40	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y ~~N~~ (replaced) DUPLICATE: (Y) N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-67	4	AG	40 mL	HCl	40 mL x 4	6.32	6200	ESP	0.1
"	3	AG	40 mL	HCl	40 mL x 3	"	VPH	"	"
"	1	PP	250 mL	HNO_3	250 mL	"	Lead by 6010	"	"
"	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~	"	~~8015~~	"	"

REMARKS: DUP-1-20211004 collected

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-68	DATE: 10/04/2021
WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH 34.9 feet to 49.9 feet	DEPTH TO WATER (feet): 41.80	PUMP TYPE OR BAILER: Monsoon

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(49.9 ft. - 41.80 ft.) x 0.16 gal./ft. = 1.30 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

1.30 gallons x 3 = 3.9 gallons

PUMP DEPTH IN WELL (feet): 46	PURGING INITIATED AT: 1010	PURGING ENDED AT: 1046	TOTAL VOLUME PURGED (gallons): 3.0

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (~~µS/cm~~ mS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1010	0.00	0.2	42.26	18.88	7.82	0.201	6.41	193	778	Brown	None
1015	1.0	"	42.31	19.23	6.60	0.206	6.60	192	861	"	"
1020	2.0	"	42.39	18.86	6.63	0.220	6.38	193	744	"	"
1025	3.0	"	42.44	18.82	6.60	0.223	6.39	195	347	"	"
1030	4.0	"	42.43	18.84	6.43	0.233	6.34	196	223	"	"
1035	5.0	"	42.44	18.95	6.45	0.236	6.35	192	167	—	—

MW-68 10/04/2021

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Andrew O'Malley/AECOM	SAMPLER(S) SIGNATURE(S): A O'M	SAMPLE TIME: 1045
PUMP OR TUBING DEPTH IN WELL (feet): 40	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: -- FILTER SIZE: -- µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y ~~N~~ (replaced)	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-68	4	AG	40 mL	HCl	40 mL x 4	6.35	6200	ESP	0.1
"	3	AG	40 mL	HCl	40 mL x 3	"	VPH	"	"
"	1	PP	250 mL	HNO_3	250 mL	"	Lead by 6010	"	"
~~"~~	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~	"	~~8015~~	"	"

REMARKS: 3 well vol. Purged.

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-69	DATE: 09/29/21

WELL DIAMETER (inches): 4"	TUBING DIAMETER (inches): 3/8"	WELL SCREEN INTERVAL DEPTH: 30.82 ft. to 60.82 ft.	DEPTH TO WATER (feet): 52.45	PUMP TYPE OR BAILER: Monsoon XL

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(60.82 ft. - 52.45 ft.) x 0.65 gal./ft. = 5.44 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

5.44 gallons x 3 = 16.32 gallons

PUMP DEPTH IN WELL (feet): 57.45	PURGING INITIATED AT: 1605	PURGING ENDED AT: 1655	TOTAL VOLUME PURGED (gallons): 5

EQUIPMENT INFORMATION WATER QUALITY METER	MAKE/MODEL: Horiba U-52	SERIAL #: PX7U6YJV
EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE	MAKE/MODEL: HERON	SERIAL #: 01-7821

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. ~~(µS/cm)~~ mS/cm	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1605	—	—	52.45	18.85	7.32	0.224	6.06	231	739	brown	none
1610	0.5	0.1	53.00	18.57	6.19	0.229	6.22	178	188		
1615	1.0	0.1	52.83	19.92	4.89	0.224	6.18	155	843		
1620	1.5	0.1	52.83	20.45	4.41	0.238	6.18	149	333		
1625	2.0	0.1	52.82	20.46	4.45	0.238	6.20	142	260		
1630	2.5	0.1	52.83	20.42	4.53	0.238	6.31	120	225		
1635	3.0	0.1	52.80	20.37	4.55	0.237	6.32	124	227		
1640	3.5	0.1	52.80	20.36	4.55	0.239	6.32	121	224		
1645	4.0	0.1	52.80	20.32	4.54	0.239	6.32	128	222		
1650	4.5	0.1	52.82	20.32	4.51	0.239	6.32	127	222		
1655	5.0	0.1	52.82	20.34	4.49	0.239	6.32	119	225		

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Emilia Torrellas / AECOM	SAMPLER(S) SIGNATURE(S): Emilia C. Torrellas	SAMPLE TIME: 1655

PUMP OR TUBING DEPTH IN WELL (feet): 57.45	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N) replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-69	4	AG	40 mL	HCl	40 mL x 4	6.32	6200	ESP	0.1
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
	3	AG	40 mL	HCl	40 mL x 3		8015		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-70	DATE: 10/04/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 32.82 ft. to 47.82 ft.	DEPTH TO WATER (feet): 37.70	PUMP TYPE OR BAILER: Bladder

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(47.82 ft. - 37.70 ft.) x 0.16 gal./ft. = 1.62 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

1.62 gallons x 3 = 4.86 gallons

PUMP DEPTH IN WELL (feet): 42	PURGING INITIATED AT: 1345	PURGING ENDED AT: 1435	TOTAL VOLUME PURGED (gallons): 5.0

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-5000 & U-52 — SERIAL #: CSUUDRK4 &

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.Oil — SERIAL #: 01-6623

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1400	1.5	0.1	38.02	18.59	4.22	0.185	5.23	233	375	Cloudy	none
1405	2.0		38.06	18.50	3.02	0.185	5.27	228	325		
1410	2.5		38.08	18.40	2.53	0.185	5.27	224	255		
1415	3.0		38.09	18.38	2.69	0.185	5.25	225	232	clear	
1420	3.5		38.10	18.26	2.55	0.185	5.26	224	192		
1425	4.0		38.10	18.23	2.32	0.185	5.25	226	147		
1430	4.5		38.10	18.30	2.35	0.185	5.24	226	111		
1435	5.0		38.10	18.19	2.16	0.185	5.29	223	135		

Mike deKozlovski 10/04/21

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Mike deKozlovski / AECOM	SAMPLER(S) SIGNATURE(S): Mike deKozlovski	SAMPLE TIME: 1440
PUMP OR TUBING DEPTH IN WELL (feet): 42	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: -- FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-70	4	AG	40 mL	HCl	40 mL x 4	5.29	6200	ESP	0.1
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
~~---~~	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS: 3 well volumes purged

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-71	DATE: 09/29/21

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/8"	WELL SCREEN INTERVAL DEPTH: 53.58 ft. to 68.58 ft.	DEPTH TO WATER (feet): 57.42	PUMP TYPE OR BAILER: Monsoon XL

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(68.58 ft. - 57.42 ft.) x 0.16 gal./ft. = 1.79 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

1.79 gallons x 3 = 5.36 gallons

PUMP DEPTH IN WELL (feet): 62.42	PURGING INITIATED AT: 1000	PURGING ENDED AT: 1040	TOTAL VOLUME PURGED (gallons): 4

EQUIPMENT INFORMATION WATER QUALITY METER	MAKE/MODEL: Horiba U-52	SERIAL #: PX7U6YJV
EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE	MAKE/MODEL: HERON	SERIAL #: 01-7821

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. ~~(µS/cm)~~ mS/cm	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1000	—	—	57.42	17.26	9.72	0.170	6.00	230	730	Brown	None
1005	0.5	0.1	58.30	17.30	9.30	0.170	6.00	232	673		
1010	1.0	0.1	58.32	17.29	9.17	0.170	6.01	235	668		
1015	1.5	0.1	58.33	17.26	9.07	0.172	6.01	235	655		
1020	2.0	0.1	58.33	17.28	9.04	0.173	6.02	235	650		
1025	2.5	0.1	58.33	17.26	9.09	0.170	6.03	235	647		
1030	3.0	0.1	58.32	17.25	9.07	0.174	6.09	233	649		
1035	3.5	0.1	58.32	17.25	9.05	0.174	6.05	232	646		
1040	4.0	0.1	58.32	17.27	9.12	0.179	6.11	231	639		

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Emilia Torrellas / AECOM	SAMPLER(S) SIGNATURE(S): Emilia C. Torrellas	SAMPLE TIME: 1040
PUMP OR TUBING DEPTH IN WELL (feet): 62.42	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: -- FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-71	4	AG	40 mL	HCl	40 mL x 4	6.11	6200	ESP	0.1
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
	3	AG	40 mL	HCl	40 mL x 3		8015		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-73	DATE: 10/05/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 25.03 ft. to 40.03 ft.	DEPTH TO WATER (feet): 34.59	PUMP TYPE OR BAILER: Bladder

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(40.03 ft. - 34.59 ft.) x 0.16 gal./ft. = 0.87 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

0.87 gallons x 3 = 2.61 gallons

PUMP DEPTH IN WELL (feet): 38	PURGING INITIATED AT: 1030	PURGING ENDED AT: 1100	TOTAL VOLUME PURGED (gallons): 3.0

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-5000 & U-52 — SERIAL #: CSUUDRK4 &

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.Oil — SERIAL #: 01-6623

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1035	0.5	0.1	34.98	17.03	4.14	0.220	6.38	141	>1000	light brown cloudy	none
1040	1.0		35.04	16.92	3.03	0.211	6.34	142	>1000		
1045	1.5		35.05	16.96	2.91	0.196	6.25	151	>1000		
1050	2.0		35.05	16.84	2.77	0.188	6.17	158	>1000		
1055	2.5		35.05	16.93	2.92	0.184	6.15	164	>1000		
1100	3.0		35.05	16.89	2.67	0.180	6.12	168	>1000		

Mike deKozlovski 10/5/21

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Mike deKozlovski / AECOM	SAMPLER(S) SIGNATURE(S): Mike deKozlovski	SAMPLE TIME: 1111

PUMP OR TUBING DEPTH IN WELL (feet): 38	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-73	4	AG	40 mL	HCl	40 mL x 4	6.12	6200	ESP	0.1
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
~~—~~	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS: 3 Well volumes purged

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-74	DATE: 10/04/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 17.77 ft. to 32.77 ft.	DEPTH TO WATER (feet): 23.13	PUMP TYPE OR BAILER: Bladder

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(32.77 ft. - 23.13 ft.) x 0.16 gal./ft. = 1.54 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

1.54 gallons x 3 = 4.62 gallons

PUMP DEPTH IN WELL (feet): 28	PURGING INITIATED AT: 1150	PURGING ENDED AT: 1240	TOTAL VOLUME PURGED (gallons): 5.0

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-5000 & U-52 — SERIAL #: CSUUDRK4 &

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.Oil — SERIAL #: 01-6623

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1200	1.0	0.1	23.57	19.00	3.67	0.147	5.39	229	>1000	Brown	none
1205	1.5		23.60	18.90	3.18	0.152	5.37	236	>1000		
1210	2.0		23.61	18.70	2.75	0.158	5.28	245	>1000		
1215	2.5		23.63	18.62	2.51	0.163	5.34	243	>1000		
1220	3.0		23.65	18.71	2.48	0.166	5.37	242	>1000		
1225	3.5		23.62	18.67	2.37	0.170	5.37	243	>1000		
1230	4.0		23.60	18.54	2.31	0.173	5.34	244	838		
1235	4.5		23.60	18.55	2.32	0.175	5.34	242	629		
1240	5.0		23.60	18.57	2.13	0.176	5.36	240	465		

Mike deKozlovski 10/04/21

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Mike deKozlovski / AECOM	SAMPLER(S) SIGNATURE(S): Mike deKozlovski	SAMPLE TIME: 1245

PUMP OR TUBING DEPTH IN WELL (feet): 28	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-74	4	AG	40 mL	HCl	40 mL x 4	5.36	6200	ESP	0.1
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
~~---~~	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS: 3 well volumes purged

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-75	DATE: 10/4/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 30.95 ft. to 45.95 ft.	DEPTH TO WATER (feet): 40.00	PUMP TYPE OR BAILER: Monsoon

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(45.95 ft. - 40.00 ft.) x 0.16 gal./ft. = 0.952 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

0.952 gallons x 3 = 2.85 gallons

PUMP DEPTH IN WELL (feet): 44	PURGING INITIATED AT: 1021	PURGING ENDED AT: 1110	TOTAL VOLUME PURGED (gallons): 3.5

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-52/RHC2M75M — SERIAL #:

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: — SERIAL #:

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1025	0	0.1	40.70	20.41	2.61	0.191	6.32	240	>1000	Cloudy Brown	None
1030	0.5	0.1	40.70	20.73	2.25	0.179	6.32	211	>1000	Cloudy Brown	None
1035	1.0	0.1	40.70	21.09	2.47	0.178	6.29	215	>1000	Cloudy Brown	None
1040	1.5	0.1	40.71	21.31	2.26	0.177	6.26	215	>1000	Cloudy Brown	None
1045	2.0	0.1	40.71	21.26	2.77	0.176	6.25	191	>1000	Cloudy Brown	None
1050	2.5	0.1	40.71	21.32	2.54	0.176	6.27	183	661	Cloudy Brown	None
1055	3.0	0.1	40.71	21.27	2.19	0.176	6.29	181	704	Cloudy Brown	None

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Erik Rigal / AECOM	SAMPLER(S) SIGNATURE(S): ERR	SAMPLE TIME: 1100

PUMP OR TUBING DEPTH IN WELL (feet): 45	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N (replaced)) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-75	4	AG	40 mL	HCl	40 mL x 4	6.29	6200	ESP	0.1
MW-75	3	AG	40 mL	HCl	40 mL x 3	6.29	VPH	ESP	0.1
MW-75	1	PP	250 mL	HNO_3	250 mL	6.29	Lead by 6010	ESP	0.1
~~---~~	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		8015		

REMARKS: 3well volumes purged, High turbidity

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-76	DATE: 9/30/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 28.8 ft. to 48.8 ft.	DEPTH TO WATER (feet): 32.00	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(48.8 ft. - 32.00 ft.) x 0.163 gal./ft. = 2.7 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

2.7 gallons x 3 = 8.1 gallons

PUMP DEPTH IN WELL (feet): 46	PURGING INITIATED AT: 1415	PURGING ENDED AT: 1515	TOTAL VOLUME PURGED (gallons): 4.3

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba / U-52 — SERIAL #: SSUKW14F

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron / H.01 — SERIAL #: 01.8347

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1415	0.1		32.00	18.98	7.13	0.164	6.05	243	1100+	Cloudy	None
1420	0.4		32.00	19.29	6.97	0.165	6.09	243	1100+		
1425	0.8		32.00	18.85	6.92	0.163	6.07	240	761.1		
1430	1.1		32.00	18.81	6.32	0.163	6.07	218	1100+		
1435	1.5		32.00	19.03	6.25	0.163	6.07	218	1100+		
1440	1.8		32.00	19.11	6.25	0.163	6.07	218	1100+		
1445	2.2		32.00	19.58	6.18	0.166	6.08	215	1100+		
1450	2.5		32.00	19.12	6.35	0.166	6.07	210	1100+		
1455	2.8		32.00	19.33	6.15	0.166	6.07	209	817.1		
1500	3.2		32.00	19.58	6.02	0.166	6.07	208	878.7		
1505	3.6		32.00	19.47	6.09	0.167	6.07	207	909.1		
1510	4.0		32.00	19.51	6.08	0.166	6.07	207	918.3		
1515	4.3		32.00	19.50	6.06	0.166	6.07	206	941.6		

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: T. DicKey / AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 1525

PUMP OR TUBING DEPTH IN WELL (feet): 46	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N (replaced)) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-76	4	AG	40 mL	HCl	40 mL x 4	6.07	6200	ESP	
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
	3	AG	40 mL	HCl	40 mL x 3		8015		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-77	DATE: 9/30/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 18.65 ft. to 48.65 ft.	DEPTH TO WATER (feet): 29.25	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY
(48.65 ft. - 29.25 ft.) x 0.16 gal./ft. = 3.10 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3
3.10 gallons x 3 = 9.30 gallons

PUMP DEPTH IN WELL (feet): 39.00	PURGING INITIATED AT: 1121	PURGING ENDED AT: 1236	TOTAL VOLUME PURGED (gallons): 6.96

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-52 — SERIAL #: RHC2M75M

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.O.I — SERIAL #: 01.8003

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1121	Initial	0.116	29.58	19.69	12.92	0.160	6.10	259	795	light Brown	NA
1126	0.58	0.116	29.58	19.79	5.85	0.157	6.05	216	738	Light Brown	NA
1131	1.16	0.116	29.58	19.87	5.17	0.161	6.06	221	885	Light Brown	NA
1136	1.74	0.116	29.58	19.95	4.99	0.162	6.06	226	873	Light Brown	NA
1141	2.32	0.116	29.58	19.08	5.63	0.164	6.07	236	1000	Light Brown	NA
1146	2.90	0.116	29.58	19.09	5.53	0.167	6.08	242	911	Light Brown	NA
1151	3.48	0.116	29.58	18.92	5.61	0.168	6.09	235	610	clear	NA
1156	4.06	0.116	29.58	19.95	5.51	0.169	6.09	231	473	clear	NA
1201	4.64	0.116	29.58	19.03	5.47	0.170	6.10	218	223	clear	NA
1206	5.22	0.116	29.58	19.07	5.42	0.171	6.10	209	117	clear	NA
1211	5.80	0.116	29.58	19.03	5.38	0.170	6.10	204	50.0	clear	NA
1216	6.38	0.116	29.58	19.02	5.32	0.170	6.09	204	45.5	clear	NA
1221	6.96	0.116	29.58	19.04	5.28	0.170	6.09	202	43.8	clear	NA

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Justin Butler AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 1225

PUMP OR TUBING DEPTH IN WELL (feet): 39.00	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-77	4	AG	40 mL	HCl	40 mL x 4	6.09	6200	ESP	0.116
MW-77	3	AG	40 mL	HCl	40 mL x 3	6.09	VPH	ESP	0.116
MW-77	1	PP	250 mL	HNO_3	250 mL	6.09	Lead by 6010	ESP	0.116
	3	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-78	DATE: 9/30/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 28.51 ft. to 53.81 ft.	DEPTH TO WATER (feet): 33.94	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(53.51 ft. - 33.94 ft.) x 3.13 gal./ft. = 3.13 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

3.13 gallons x 3 = 9.39 gallons

PUMP DEPTH IN WELL (feet): 43.50	PURGING INITIATED AT: 0946	PURGING ENDED AT: 1055	TOTAL VOLUME PURGED (gallons): 6.0

EQUIPMENT INFORMATION WATER QUALITY METER	MAKE/MODEL: Horiba U-52	SERIAL #: RHC2M75M	EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE	MAKE/MODEL: Heron H.01	SERIAL #: 01.8003

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
0946	Initial	0.1	35.00	18.06	7.50	0.123	5.84	188	555	light Brown	NA
0951	0.5	0.1	35.18	18.49	5.66	0.190	5.82	191	817	light Brown	NA
0956	1.0	0.1	35.33	18.67	4.38	0.124	5.86	221	1000	light Brown	NA
1001	1.5	0.1	35.36	18.76	4.16	0.129	5.89	237	1000	light Brown	NA
1006	2.0	0.1	35.36	18.83	4.20	0.132	5.91	247	1000	light Brown	NA
1011	2.5	0.1	35.36	18.91	4.53	0.135	5.93	254	1000	light Brown	NA
1016	3.0	0.1	35.38	18.96	4.23	0.139	5.96	242	1000	Light Brown	NA
1021	3.5	0.1	35.38	18.96	4.61	0.140	5.96	246	868	Light Brown	NA
1026	4.0	0.1	35.38	19.01	3.95	0.142	5.98	238	341	Clear	NA
1031	4.5	0.1	35.38	19.11	3.96	0.142	5.98	226	199	Clear	NA
1036	5.0	0.1	35.38	19.12	4.03	0.143	5.99	209	100.1	Clear	NA
1041	5.5	0.1	35.38	19.15	3.99	0.144	5.99	207	93.8	clear	NA
1046	6.0	0.1	35.38	19.20	3.95	0.145	5.99	205	99.5	clear	NA

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Justin Butler AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 1050

PUMP OR TUBING DEPTH IN WELL (feet): 43.50	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N (replaced)) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-78	4	AG	40 mL	HCl	40 mL x 4	5.99	6200	ESP	0.1
MW-78	3	AG	40 mL	HCl	40 mL x 3	5.99	VPH	ESP	0.1
MW-78	1	PP	250 mL	HNO_3	250 mL	5.99	Lead by 6010	ESP	0.1
	3	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-79	DATE: 9/30/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 20.86 ft. to 40.86 ft.	DEPTH TO WATER (feet): 28.03	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY
(40.86 ft. - 28.03 ft.) x 0.16 gal./ft. = 2.05 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3
2.05 gallons x 3 = 6.15 gallons

PUMP DEPTH IN WELL (feet): 34.50	PURGING INITIATED AT: 1309	PURGING ENDED AT: 1405	TOTAL VOLUME PURGED (gallons): 7.0

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba; SERIAL #: RHC2M75M

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.O.I; SERIAL #: 01.8003

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1309	Initial	0.14	28.40	18.54	10.89	0.190	6.05	218	1000	Light Brown	NA
1314	0.7	0.14	28.40	19.02	9.80	0.182	6.03	209	1000	Light Brown	NA
1319	1.4	0.14	28.40	19.29	9.39	0.189	6.05	213	1000	Light Brown	NA
1324	2.1	0.14	28.40	19.24	9.22	0.186	6.06	223	1000	Light Brown	NA
1329	2.8	0.14	28.40	19.24	9.09	0.188	6.06	227	1000	Light Brown	NA
1334	3.5	0.14	28.40	19.25	8.94	0.190	6.07	226	987	Light Brown	NA
1339	4.2	0.14	28.40	19.36	8.90	0.194	6.06	214	556	Clear	NA
1344	4.9	0.14	28.40	19.31	8.95	0.195	6.06	204	272	Clear	NA
1349	5.6	0.14	28.40	19.36	8.80	0.195	6.05	198	133	Clear	NA
1354	6.3	0.14	28.40	19.36	8.70	0.197	6.04	197	128	Clear	NA
1359	7.0	0.14	28.40	19.40	8.65	0.196	6.04	199	130	Clear	NA

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Justin Butler AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 1400

PUMP OR TUBING DEPTH IN WELL (feet): 34.50	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N (replaced)) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-79	4	AG	40 mL	HCl	40 mL x 4	6.04	6200	ESP	0.14
MW-79	3	AG	40 mL	HCl	40 mL x 3	6.04	VPH	ESP	0.14
MW-79	1	PP	250 mL	HNO_3	250 mL	6.04	Lead by 6010	ESP	0.14
	3	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-79D	DATE: 10/01/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 146.60 ft. to 156.60 ft.	DEPTH TO WATER (feet): 44.99	PUMP TYPE OR BAILER: Bladder

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(156.60 ft. - 44.99 ft.) x 0.16 gal./ft. = 17.86 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

17.86 gallons x 3 = 53.58 gallons

PUMP DEPTH IN WELL (feet): 150	PURGING INITIATED AT: 1005	PURGING ENDED AT: 1045	TOTAL VOLUME PURGED (gallons): 1.2

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-5000 & U-52; SERIAL #: CSUUDRK4 &

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.Oil; SERIAL #: 01-6623

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1015	0.3	0.03	46.36	17.82	8.08	1.99	11.86	-105	11.1	clear	none
1020	0.45		47.30	18.02	3.23	2.21	11.90	-100	8.2		
1025	0.6		48.24	18.48	0.09	2.43	11.94	-94	6.5		
1030	0.75		49.19	18.59	0.00	3.02	12.00	-92	1.9		
1035	0.9		49.40	18.65	0.00	3.29	12.07	-100	0.9		
1040	1.05		49.51	18.71	0.00	3.35	12.10	-102	0.3		
1045	1.2		49.67	18.74	0.00	3.36	12.12	-106	0.0		

Mike deKozlowski 10/01/21

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Mike deKozlowski / AECOM	SAMPLER(S) SIGNATURE(S): Mike deKozlowski	SAMPLE TIME: 1050
PUMP OR TUBING DEPTH IN WELL (feet): 150	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: -- FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-79D	4	AG	40 mL	HCl	40 mL x 4	12.12	6200	ESP	0.03
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
~~---~~	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS: High pH and conductivity like previous events

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-80	DATE: 9/30/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 30.40 ft. to 40.40 ft.	DEPTH TO WATER (feet): 29.10	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(40.40 ft. - 29.10 ft.) x 0.16 gal./ft. = 1.81 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

1.81 gallons x 3 = 5.43 gallons

PUMP DEPTH IN WELL (feet): 34.5	PURGING INITIATED AT: 1424	PURGING ENDED AT: 1510	TOTAL VOLUME PURGED (gallons): 8.0

EQUIPMENT INFORMATION WATER QUALITY METER	MAKE/MODEL: Horiba U-52	SERIAL #: RHC2M75M
EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE	MAKE/MODEL: Heron H.01	SERIAL #: 01.8003

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1424	Initial	0.2	29.99	18.50	11.46	0.494	6.49	232	1000	Light Brown	NA
1429	1.0	0.2	30.41	19.27	9.35	0.523	6.22	219	1000	Light Brown	NA
1434	2.0	0.2	30.82	19.10	8.77	0.540	6.13	224	1000	Light Brown	NA
1439	3.0	0.2	31.08	18.59	8.78	0.540	6.07	204	416	Clear	NA
1444	4.0	0.2	31.31	18.54	8.96	0.531	6.06	197	343	Clear	NA
1449	5.0	0.2	31.37	18.54	8.29	0.524	6.06	196	259	Clear	NA
1454	6.0	0.2	31.37	18.52	8.19	0.521	6.08	193	89.7	Clear	NA
1459	7.0	0.2	31.37	18.49	8.11	0.524	6.06	193	82.3	Clear	NA
1504	8.0	0.2	31.37	18.56	8.05	0.525	6.07	192	85.7	Clear	NA

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Justin Butler AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 1505

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N (replaced)) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-7	4	AG	40 mL	HCl	40 mL x 4	6.07	6200	ESP	0.2
MW-7	3	AG	40 mL	HCl	40 mL x 3	6.07	VPH	ESP	0.2
MW-7	1	PP	250 mL	HNO_3	250 mL	6.07	Lead by 6010	ESP	0.2
	3	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-81	DATE: 9/30/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 16.84 ft. to 36.84 ft.	DEPTH TO WATER (feet): 30.55	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(36.84 ft. - 30.55 ft.) x 0.163 gal./ft. = 1.03 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

1.03 gallons x 3 = 3.09 gallons

PUMP DEPTH IN WELL (feet): 33	PURGING INITIATED AT: 0850	PURGING ENDED AT: 0930	TOTAL VOLUME PURGED (gallons): 2.8

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba / U-52 — SERIAL #: SSUKW14F

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron / H.Oil — SERIAL #: 01 · 8347

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
0850	0.1		30.55	17.75	2.86	0.334	6.13	213	336	Sl. Cloudy	None
0855	0.5		30.55	17.70	2.82	0.236	6.18	201	361		
0900	0.8		30.55	18.00	3.11	0.226	6.17	189	379		
0905	1.1		30.55	18.10	2.88	0.225	6.13	178	383		
0910	1.4		30.55	18.30	3.00	0.234	6.15	167	398		
0915	1.8		30.55	18.56	3.40	0.235	6.14	158	192	Clear	
0920	2.1		30.55	18.50	3.36	0.237	6.13	156	18.7		
0925	2.5		30.55	18.49	3.38	0.236	6.13	153	7.4		
0930	2.8		30.55	18.47	3.37	0.236	6.12	153	2.6		

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: T. Dickey / AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 0940
PUMP OR TUBING DEPTH IN WELL (feet): 33	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: -- FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N (replaced)) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-81	4	AG	40 mL	HCl	40 mL x 4	6.12	6200	ESP	
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
	3	AG	40 mL	HCl	40 mL x 3		8015		

REMARKS: Large Fire Ant Mound around the well pad.

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-81D	DATE: 10/01/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 98 ft. to 113 ft.	DEPTH TO WATER (feet): 46.30	PUMP TYPE OR BAILER: Bladder

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(113 ft. - 46.30 ft.) x 0.16 gal./ft. = 10.67 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

10.67 gallons x 3 = 32.01 gallons

PUMP DEPTH IN WELL (feet): 105	PURGING INITIATED AT: 1330	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-5000 & U-52 — SERIAL #: CSUUDRK4 &

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.Oil — SERIAL #: 01-6623

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1400	0.9	0.03	49.60	22.47	4.33	0.283	8.55	-70	408	clear	none
1405	1.05		49.75	22.26	1.07	0.280	8.54	-78	454		
1410	1.2		49.75	22.41	0.00	0.270	8.49	-84	402		
1415	1.35		49.75	22.60	0.00	0.267	8.43	-87	351		
1420	1.5		49.75	23.23	0.00	0.263	8.37	-89	323		
1425	1.65		49.75	23.51	0.00	0.259	8.31	-90	281		
1430	1.8		49.75	23.60	0.00	0.255	8.27	-90	277		
1435	1.95		49.74	23.62	0.00	0.254	8.22	-92	264		

Mike deKozlowski 10/01/21

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Mike deKozlowski / AECOM	SAMPLER(S) SIGNATURE(S): Mike deKozlowski	SAMPLE TIME: 14

PUMP OR TUBING DEPTH IN WELL (feet): 105	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-81D	4	AG	40 mL	HCl	40 mL x 4		6200	ESP	0.03
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
~~—~~	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-82	DATE: 9/30/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 13.81 ft. to 38.81 ft.	DEPTH TO WATER (feet): 33.74	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(38.81 ft. - 33.74 ft.) x 0.163 gal./ft. = 0.83 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

0.83 gallons x 3 = 2.49 gallons

PUMP DEPTH IN WELL (feet): 37	PURGING INITIATED AT: 1010	PURGING ENDED AT: 1055	TOTAL VOLUME PURGED (gallons): 2.8

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba / U-52 — SERIAL #: SSUKW14F

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron / H.Oil — SERIAL #: 01 · 8347

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1010	0.05		33.74	17.67	7.15	0.172	6.41	225	1000+	Cloudy	None
1015	0.3		33.74	18.09	8.20	0.119	6.16	214	1000+	"	"
1020	0.7		33.75	18.29	8.41	0.098	6.10	204	1000+	"	"
1025	1.0		33.75	18.63	8.44	0.097	6.09	196	1000+	"	"
1030	1.3		33.75	18.81	8.44	0.096	6.07	184	1000	"	"
1035	1.6		33.75	18.77	8.47	0.100	6.08	162	416	Clear	"
1040	1.9		33.75	19.04	8.38	0.100	6.07	161	238	"	"
1045	2.2		33.75	18.98	8.46	0.102	6.08	158	243	"	"
1050	2.5		33.75	18.99	8.44	0.102	6.09	155	252	"	"

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: T. DicKey / AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 1100

PUMP OR TUBING DEPTH IN WELL (feet): 37	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N (replaced)) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-82	4	AG	40 mL	HCl	40 mL x 4	6.09	6200	ESP	
"	3	AG	40 mL	HCl	40 mL x 3	"	VPH	"	
"	1	PP	250 mL	HNO_3	250 mL	"	Lead by 6010	"	
"	3	AG	40 mL	HCl	40 mL x 3	"	8015	"	

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-83	DATE: 9/30/21

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 24.20 ft. to 44.20 ft.	DEPTH TO WATER (feet): 31.91	PUMP TYPE OR BAILER: Monsoon XL

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(44.20 ft. - 31.91 ft.) x 0.65 gal./ft. = 7.99 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

7.99 gallons x 3 = 23.97 gallons

PUMP DEPTH IN WELL (feet): 38	PURGING INITIATED AT: 1215	PURGING ENDED AT: 1255	TOTAL VOLUME PURGED (gallons): 2.00

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-5000 & U-52 — SERIAL #: CSUUDRK4 &

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron H.Oil — SERIAL #: 01-6623

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1225	0.5	0.05	32.16	20.40	6.37	0.117	5.67	207	668	light brown cloudy	none
1230	0.75		32.22	20.45	5.63	0.117	5.65	209	550		
1235	1.00		32.25	20.58	5.13	0.115	5.64	211	452		
1240	1.25		32.27	20.61	5.02	0.114	5.62	213	407		
1245	1.50		32.29	20.65	4.81	0.113	5.60	214	361		
1250	1.75		32.30	20.66	4.72	0.112	5.59	215	345		
1255	2.00		32.30	20.63	4.63	0.111	5.59	217	333		

Mike deKozlowski 9/30/21

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Mike deKozlowski / AECOM	SAMPLER(S) SIGNATURE(S): Mike deKozlowski	SAMPLE TIME: 1305
PUMP OR TUBING DEPTH IN WELL (feet): 38	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: -- FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-83	4	AG	40 mL	HCl	40 mL x 4	5.59	6200	ESP	0.05
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
~~---~~	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS: Strong gas smell during sampling from tank trucks

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-84	DATE: 10/1/21

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH 16.37 ft. to 36.37 ft.	DEPTH TO WATER (feet): 30.60	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(36.37 ft. - 30.60 ft.) x 0.65 gal./ft. = 3.75 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

3.75 gallons x 3 = 11.25 gallons

PUMP DEPTH IN WELL (feet): 33.00	PURGING INITIATED AT: 0815	PURGING ENDED AT: 0850	TOTAL VOLUME PURGED (gallons): 2.5

EQUIPMENT INFORMATION WATER QUALITY METER	MAKE/MODEL: Horiba U-52	SERIAL #: RHC2M75M
EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE	MAKE/MODEL: Heron H.O.I	SERIAL #: 01.8003

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
0815	Initial	0.1	30.98	18.70	0.13	0.206	5.44	138	76.1	Clear	NA
0820	0.5	0.1	31.20	18.67	0.00	0.178	5.83	56	91.0	Clear	NA
0825	1.0	0.1	31.48	18.90	0.00	0.169	5.90	37	47.0	Clear	NA
0830	1.5	0.1	31.61	18.95	0.00	0.166	5.91	50	41.0	Clear	NA
0835	2.0	0.1	31.62	19.02	0.00	0.166	5.94	60	35.5	Clear	NA
0840	2.5	0.1	31.63	19.07	0.08	0.166	5.97	65	33.2	Clear	NA



WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Justin Butler AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 0845

PUMP OR TUBING DEPTH IN WELL (feet): 33.00	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-84	4	AG	40 mL	HCl	40 mL x 4	5.97	6200	ESP	0.1
MW-84	3	AG	40 mL	HCl	40 mL x 3	5.97	VPH	ESP	0.1
MW-84	1	PP	250 mL	HNO_3	250 mL	5.97	Lead by 6010	ESP	0.1
	3	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-86	DATE: 9/30/21

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 15.77 ft. to 45.77 ft.	DEPTH TO WATER (feet): 32.34	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(45.77 ft. - 32.34 ft.) x 0.163 gal./ft. = 2.2 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

2.2 gallons x 3 = 6.6 gallons

PUMP DEPTH IN WELL (feet): 43	PURGING INITIATED AT: 1205	PURGING ENDED AT: 1320	TOTAL VOLUME PURGED (gallons): 5.3

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba / U-52a — SERIAL #: SSUKW14F

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron / H.01 — SERIAL #: 01-8347

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1205	0.1		32.34	17.18	7.16	0.199	6.22	239	677.6	Cloudy	None
1210	0.5		32.37	17.68	6.14	0.201	6.25	238	950.2		
1215	0.8		32.37	17.52	6.47	0.203	6.25	239	856.7		
1220	1.1		32.38	17.14	6.92	0.204	6.26	242	785.6		
1225	1.5		32.38	17.74	6.57	0.204	6.25	243	627.2		
1230	1.8		32.38	17.66	6.62	0.205	6.25	243	638.1		
1235	2.2		32.38	17.70	6.65	0.205	6.26	245	618.9		
1240	2.5		32.38	17.73	6.76	0.204	6.26	246	627.0		
1245	2.8		32.38	17.58	6.84	0.205	6.27	246	177.8	Clear	
1250	3.1		32.38	17.60	6.79	0.205	6.26	219	156.1		
1255	3.4		32.39	17.45	7.03	0.205	6.26	190	158.1		
1300	3.8		32.39	17.80	7.21	0.205	6.25	189	101.7		
1305	4.2		32.39	17.74	7.20	0.203	6.25	204	112.3		
1310	4.5		32.39	17.76	7.09	0.203	6.25	207	119.0		
1315	5.0		32.40	17.79	7.03	0.203	6.26	208	110.5		
1320	5.3		32.40	17.80	7.05	0.203	6.26	209	121.5		

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: T. Dickey / AECOM	SAMPLER(S) SIGNATURE(S): T. Dickey	SAMPLE TIME: 1330

PUMP OR TUBING DEPTH IN WELL (feet): 43	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N (replaced)) DUPLICATE: (Y) N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-86	4	AG	40 mL	HCl	40 mL x 4	6.86	6200	ESP	
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
	3	AG	40 mL	HCl	40 mL x 3		8015		

REMARKS: DUP-1-20210930

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-87	DATE: 9/29/21

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 38 ft. to 58 ft.	DEPTH TO WATER (feet): 47.06	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(_____ ft. - _____ ft.) x _____ gal./ft. = _____ gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

_____ gallons x 3 = _____ gallons

PUMP DEPTH IN WELL (feet): 55	PURGING INITIATED AT: 1040	PURGING ENDED AT: 1135	TOTAL VOLUME PURGED (gallons): 6.1

EQUIPMENT INFORMATION WATER QUALITY METER	MAKE/MODEL: Horiba/U-52	SERIAL #: SSUKW14F	EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE	MAKE/MODEL: Heron/H.Oil	SERIAL #: 01-8347

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1040	0.1		47.07	17.87	1.93	0.319	6.94	18	70.1	Clear	None
1045	0.5		47.07	17.49	0.28	0.345	7.17	-36	42.5		
1050	0.9		47.07	17.47	0.44	0.349	7.16	-53	50.1		
1055	1.3		47.07	17.66	0.70	0.304	6.80	13	111		
1100	1.8		47.07	17.67	0.74	0.301	6.79	15	120		
1105	2.2		47.07	17.68	0.79	0.299	6.79	17	100		
1110	2.8		47.07	17.66	0.82	0.298	6.78	19	103		
1115	3.3		47.07	18.01	0.93	0.284	6.72	45	112		
1120	3.8		47.07	18.26	0.99	0.284	6.72	46	113		
1125	4.3		47.08	18.32	1.00	0.283	6.72	47	104		
1130	5.0		47.08	18.38	0.93	0.283	6.71	55	107		
1135	5.5		47.08	18.38	0.93	0.282	6.71	57	109		
1140	6.0		47.08	18.39	0.95	0.282	6.70	58	103		

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: T. DicKey / AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 1145

PUMP OR TUBING DEPTH IN WELL (feet): 55	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: ___ µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-87	4	AG	40 mL	HCl	40 mL x 4	6.70	6200	ESP	
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
	3	AG	40 mL	HCl	40 mL x 3		8015		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-88	DATE: 09/28/21

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/8"	WELL SCREEN INTERVAL DEPTH: 46.62 ft. to 66.62 ft.	DEPTH TO WATER (feet): 44.82	PUMP TYPE OR BAILER: Monsoon XL

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(66.62 ft. - 44.82 ft.) x 0.16 gal./ft. = 3.49 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

3.49 gallons x 3 = 10.46 gallons

PUMP DEPTH IN WELL (feet): 49.82	PURGING INITIATED AT: 1210	PURGING ENDED AT: 1255	TOTAL VOLUME PURGED (gallons): 4.5

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-52; SERIAL #: PX7U6YJV

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: HERON; SERIAL #: 01-7821

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm) ms/cm	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1210	—	—	44.82	18.68	7.44	0.165	5.91	195	51	clear	None
1215	0.5	0.1	45.81	18.69	7.42	0.164	5.91	195	30		
1220	1.0	0.1	45.76	18.62	7.23	0.165	5.91	207	0		
1225	1.5	0.1	45.87	18.59	7.28	0.165	5.89	223	0		
1230	2.0	0.1	45.83	18.60	7.39	0.165	5.91	227	0		
1235	2.5	0.1	45.83	18.54	7.32	0.165	5.89	224	0		
1240	3.0	0.1	45.83	18.50	7.25	0.165	5.87	218	0		
1245	3.5	0.1	45.83	18.47	7.26	0.165	5.88	213	0		
1250	4.0	0.1	45.83	18.49	7.21	0.164	5.87	213	0		
1255	4.5	0.1	45.83	18.52	7.25	0.164	5.89	212	0		

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Emilia Tarellas / AECOM	SAMPLER(S) SIGNATURE(S): Emilia C. Tarellas	SAMPLE TIME: 1255

PUMP OR TUBING DEPTH IN WELL (feet): 49.82	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-88	4	AG	40 mL	HCl	40 mL x 4	5.89	6200	ESP	0.1
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
	3	AG	40 mL	HCl	40 mL x 3		8015		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-89	DATE: 09/28/21

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/8"	WELL SCREEN INTERVAL DEPTH: 36.87 ft. to 56.87 ft.	DEPTH TO WATER (feet):	PUMP TYPE OR BAILER: Monsoon XL

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(56.87 ft. - 47 ft.) x 0.16 gal./ft. = 1.58 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

1.58 gallons x 3 = 4.7 gallons

PUMP DEPTH IN WELL (feet): 52	PURGING INITIATED AT: 1545	PURGING ENDED AT: 1635	TOTAL VOLUME PURGED (gallons): 5.0

EQUIPMENT INFORMATION WATER QUALITY METER	MAKE/MODEL: Horiba U-52	SERIAL #: PX7U6YJV
EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE	MAKE/MODEL: HERON	SERIAL #: 01-7821

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. ~~(µS/cm)~~ mS/cm	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1545	—	—	47	19.32	5.36	0.205	6.35	163	>1000	brown	None
1550	0.5	0.1	48.12	19.90	5.64	0.172	6.07	188	>1000	brown	None
1555	1.0	0.1	48.05	20.99	5.40	0.162	5.98	205	>1000	brown	None
1600	1.5	0.1	48.22	21.64	5.45	0.154	5.96	214	>1000	brown	None
1605	2.0	0.1	48.11	21.63	5.46	0.153	5.94	214	>1000	brown	None
1610	2.5	0.1	48.13	21.46	5.50	0.151	5.90	183	952	brown	None
1615	3.0	0.1	48.13	21.44	5.53	0.151	5.91	180	814	brown	None
1620	3.5	0.1	48.13	21.32	5.63	0.152	5.89	181	>1000	brown	None
1625	4.0	0.1	48.13	21.26	5.91	0.154	5.91	185	933	brown	None
1630	4.5	0.1	48.13	21.26	5.53	0.155	5.90	182	655	Cloudy	None
1635	5.0	0.1	48.13	21.26	5.53	0.155	5.91	180	638	Cloudy	None

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Emilia Torrellas / AECOM	SAMPLER(S) SIGNATURE(S): Emilia C. Torrellas	SAMPLE TIME: 1635
PUMP OR TUBING DEPTH IN WELL (feet): 52	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: -- FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N) replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-89	4	AG	40 mL	HCl	40 mL x 4		6200	ESP	0.1
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
	3	AG	40 mL	HCl	40 mL x 3		8015		

REMARKS:

3 well volumes achieved

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-89D	DATE: 09/27/21

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: ft. to 146 ft.	DEPTH TO WATER (feet): 49.30	PUMP TYPE OR BAILER: Bladder

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(146 ft. - 49.30 ft.) x 0.65 gal./ft. = 62.86 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

62.86 gallons x 3 = 188.58 gallons

PUMP DEPTH IN WELL (feet): 140	PURGING INITIATED AT: 1135	PURGING ENDED AT: 1220	TOTAL VOLUME PURGED (gallons): 5.625

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba U-5000 & U-52 — SERIAL #: CSUUDRK4 &

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: — SERIAL #:

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1145	1.25	0.125	49.95	18.57	8.80	0.272	7.85	172	268	Cloudy	None
1150	1.875	"	50.15	18.31	8.09	0.273	7.89	166	154	"	"
1155	2.5	"	50.25	18.09	7.09	0.273	7.90	162	148	"	"
1200	3.125	"	50.29	17.95	6.52	0.274	7.88	161	150	"	"
1205	3.75	"	50.30	17.94	6.27	0.274	7.91	160	152	"	"
1210	4.375	"	50.30	18.00	5.76	0.274	7.90	159	151	"	"
1215	5.0	"	50.30	18.02	5.38	0.274	7.91	159	149	"	"
1220	5.625	"	50.30	18.07	5.20	0.274	7.91	158	148	"	"

Mike deKozlowski 9/27/21

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Mike deKozlowski / AECOM	SAMPLER(S) SIGNATURE(S): Mike deKozlowski	SAMPLE TIME: 1230

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N (replaced)) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-89D	4	AG	40 mL	HCl	40 mL x 4	7.91	6200	ESP	0.125
"	3	AG	40 mL	HCl	40 mL x 3		VPH	"	"
"	1	PP	250 mL	HNO_3	250 mL		Lead by 6010	"	"
~~—~~	~~3~~	~~AG~~	~~40 mL~~	~~HCl~~	~~40 mL x 3~~		~~8015~~		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-92	DATE: 09/29/21

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/8"	WELL SCREEN INTERVAL DEPTH: 50.13 ft. to 75.13 ft.	DEPTH TO WATER (feet): 56.09	PUMP TYPE OR BAILER: Monsoon XL

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(75.13 ft. - 56.09 ft.) x 0.16 gal./ft. = 3.05 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

3.05 gallons x 3 = 9.14 gallons

PUMP DEPTH IN WELL (feet): 61.09	PURGING INITIATED AT: 1140	PURGING ENDED AT: 1220	TOTAL VOLUME PURGED (gallons): 4

EQUIPMENT INFORMATION WATER QUALITY METER	MAKE/MODEL: Horiba U-52	SERIAL #: PX7U6YJV
EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE	MAKE/MODEL: HERON	SERIAL #: 01-7821

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. ~~(µS/cm)~~ mS/cm	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1140	—	—	56.09	18.23	10.47	0.133	5.91	240	0	clear	NONE
1145	0.5	0.1	56.59	18.15	9.51	0.134	5.86	237	0		
1150	1.0	0.1	56.59	18.54	9.12	0.135	5.86	244	0		
1155	1.5	0.1	56.59	18.50	9.32	0.136	5.86	248	0		
1200	2.0	0.1	56.59	18.58	9.23	0.136	5.88	250	0		
1205	2.5	0.1	56.59	18.61	9.08	0.136	5.88	253	0		
1210	3.0	0.1	56.59	18.56	9.05	0.136	5.87	253	0		
1215	3.5	0.1	56.59	18.55	9.02	0.135	5.88	250	0		
1220	4.0	0.1	56.59	18.57	9.03	0.136	5.88	249	0		

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Emilia Torrellas / AECOM	SAMPLER(S) SIGNATURE(S): Emilia C. Torrellas	SAMPLE TIME: 1220

PUMP OR TUBING DEPTH IN WELL (feet): 61.09	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-92	4	AG	40 mL	HCl	40 mL x 4	5.88	6200	ESP	0.1
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
	3	AG	40 mL	HCl	40 mL x 3		8015		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-93	DATE: 09/29/21

WELL DIAMETER (inches):	TUBING DIAMETER (inches): 3/8"	WELL SCREEN INTERVAL DEPTH: 46.36 ft. to 66.36 ft.	DEPTH TO WATER (feet): 54.32	PUMP TYPE OR BAILER: Monsoon XL

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(66.36 ft. - 54.32 ft.) x 0.16 gal./ft. = 1.93 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

1.93 gallons x 3 = 5.78 gallons

PUMP DEPTH IN WELL (feet): 59.32	PURGING INITIATED AT: 1430	PURGING ENDED AT: 1510	TOTAL VOLUME PURGED (gallons): 4

EQUIPMENT INFORMATION WATER QUALITY METER	MAKE/MODEL: Horiba U-52	SERIAL #: PX7U6YJV
EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE	MAKE/MODEL: HERON	SERIAL #: 01-7821

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. ~~(µS/cm)~~ mS/cm	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1430	—	—	54.32	18.33	9.85	0.135	5.92	239	659	brown	None
1435	0.5	0.1	55.80	18.34	9.88	0.135	5.90	239	433		
1440	1.0	0.1	55.90	18.29	9.05	0.135	5.94	247	427		
1445	1.5	0.1	55.90	18.36	8.71	0.138	5.92	251	428		
1450	2.0	0.1	55.90	18.45	8.56	0.140	5.90	255	424		
1455	2.5	0.1	55.90	18.46	8.53	0.142	5.91	257	424		
1500	3.0	0.1	55.90	18.41	8.56	0.142	5.90	258	426		
1505	3.5	0.1	55.90	18.42	8.56	0.142	5.89	258	426		
1510	4.0	0.1	55.90	18.42	8.54	0.142	5.89	258	427		

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Emilia Torrellas / AECOM	SAMPLER(S) SIGNATURE(S): Emilia C. Torrellas	SAMPLE TIME: 1510

PUMP OR TUBING DEPTH IN WELL (feet): 59.32	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-93	4	AG	40 mL	HCl	40 mL x 4	5.89	6200	ESP	0.1
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
	3	AG	40 mL	HCl	40 mL x 3		8015		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-94	DATE: 9/28/21

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 40.11 ft. to 50.11 ft.	DEPTH TO WATER (feet): 40.04	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(_____ ft. - _____ ft.) x _____ gal./ft. = _____ gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

_____ gallons x 3 = _____ gallons

PUMP DEPTH IN WELL (feet): 47	PURGING INITIATED AT: 1315	PURGING ENDED AT: 1430	TOTAL VOLUME PURGED (gallons): 5.9

EQUIPMENT INFORMATION WATER QUALITY METER	MAKE/MODEL: Horiba / U-52	SERIAL #: SSUKW14F
EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE	MAKE/MODEL: Heron / H.01	SERIAL #: 01-8347

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1315	0.3		40.04	17.60	5.38	0.203	6.56	209	386	Clear	None
1320	0.8		40.04	18.09	4.31	0.202	6.52	215	372		
1325	1.3		40.05	17.54	4.57	0.202	6.53	219	368		
1330	1.8		40.05	17.44	4.55	0.203	6.52	222	299		
1335	2.2		40.05	17.54	4.70	0.203	6.53	223	303		
1340	2.8		40.06	17.49	4.59	0.204	6.54	223	248		
1345	3.2		40.06	17.63	4.55	0.203	6.55	228	239		
1350	3.7		40.06	17.86	4.18	0.204	6.54	224	252		
1355	4.2		40.06	17.74	4.46	0.204	6.54	225	226		
1400	4.6		40.06	17.68	4.65	0.204	6.54	224	149		
1405	5.1		40.06	17.73	4.40	0.203	6.55	224	148		
1410	5.6		40.06	17.74	4.39	0.203	6.55	224	152		
1415	6.1		40.06	17.72	4.42	0.203	6.54	224	156		

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: T. Dickey / AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 1425

PUMP OR TUBING DEPTH IN WELL (feet): 47	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N (replaced)) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-94	4	AG	40 mL	HCl	40 mL x 4	6.54	6200	ESP	
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
	3	AG	40 mL	HCl	40 mL x 3		8015		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-95	DATE: 10/1/21

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 15 ft. to 60 ft.	DEPTH TO WATER (feet): 22.91	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(60 ft. - 22.91 ft.) x 0.65 gal./ft. = 24.2 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

24.2 gallons x 3 = _____ gallons

PUMP DEPTH IN WELL (feet): 57	PURGING INITIATED AT: 0830	PURGING ENDED AT: 0925	TOTAL VOLUME PURGED (gallons): 4.0

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba / U-52 — SERIAL #: SSUKW14F

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron / H.01 — SERIAL #: 01-8347

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
0830	0.1		22.91	15.98	8.66	0.210	6.32	255	167.4	Clear	None
0835	0.4		22.93	16.02	2.50	0.197	6.57	251	121.0	"	"
0840	0.8		22.93	16.04	2.02	0.198	6.61	248	123.6	"	"
0845	1.1		22.93	15.92	1.39	0.201	6.63	243	140.2	"	"
0850	1.5		22.93	16.03	1.29	0.200	6.63	239	135.0	"	"
0855	1.9		22.93	16.01	1.26	0.201	6.63	235	92.33	"	"
0900	2.2		22.93	16.03	1.39	0.202	6.63	230	87.06	"	"
0905	2.5		22.93	16.02	1.45	0.201	6.64	226	72.81	"	"
0910	2.8		22.93	16.02	1.24	0.201	6.64	220	23.25	"	"
0915	3.1		22.93	16.09	1.07	0.201	6.64	217	9.97	"	"
0920	3.5		22.93	16.10	1.32	0.201	6.64	215	6.40	"	"
0925	3.8		22.93	16.07	1.39	0.202	6.64	213	3.73	"	"

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: T. Dickey / AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 0935

PUMP OR TUBING DEPTH IN WELL (feet): 57	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-95	4	AG	40 mL	HCl	40 mL x 4	6.64	6200	ESP	
"	3	AG	40 mL	HCl	40 mL x 3	"	VPH	"	
"	1	PP	250 mL	HNO_3	250 mL	"	Lead by 6010	"	
"	3	AG	40 mL	HCl	40 mL x 3	"	8015	"	

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: 2020-L1-2448 Incident	SITE LOCATION: Huntersville, NC	PROJECT NUMBER: 60639876	WELL NAME: MW-96	DATE: 10/1/21

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 15 ft. to 60 ft.	DEPTH TO WATER (feet): 22.05	PUMP TYPE OR BAILER: ESP

1 WELL VOLUME = (TD-DTW) x WELL CAPACITY

(60 ft. - 22.05 ft.) x 0.65 gal./ft. = 24.8 gallons

3 WELL VOLUMES = 1 WELL VOLUME X 3

24.8 gallons x 3 = 74.4 gallons

PUMP DEPTH IN WELL (feet): 57	PURGING INITIATED AT: 1005	PURGING ENDED AT: 1105	TOTAL VOLUME PURGED (gallons): 5.1

EQUIPMENT INFORMATION WATER QUALITY METER — MAKE/MODEL: Horiba/U-52 — SERIAL #: SSUKW14F

EQUIPMENT INFORMATION OIL/WATER INTERFACE PROBE — MAKE/MODEL: Heron/H.Oil — SERIAL #: 01-8347

TIME	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	TEMP. (°C)	DO (mg/L)	COND. (µS/cm)	pH (standard units)	ORP (mV)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
STABILIZATION CRITERIA:			<0.3 ft. drawdown	within 3%	within 10% or <0.5 mg/L	within 3%	±0.1 unit	±10 mV	within 10% or <5 NTU	--	--
1005	0.2		22.05	16.39	4.55	0.193	6.16	169	121.2	Clear	None
1010	0.8		22.05	16.55	3.49	0.196	6.08	122	129.0		
1015	1.2		22.05	16.69	3.84	0.197	6.08	117	123.4		
1020	1.6		22.05	16.65	3.57	0.197	6.07	114	112.9		
1025	2.0		22.05	16.666	3.69	0.197	6.07	113	117.2		
1030	2.4		22.05	16.62	3.54	0.197	6.07	111	83.21		
1035	2.7		22.05	16.62	3.48	0.197	6.07	110	64.89		
1040	3.1		22.05	16.62	3.55	0.197	6.07	109	57.17		
1045	3.5		22.05	16.65	3.38	0.197	6.08	108	42.04		
1050	3.9		22.05	16.68	3.49	0.197	6.08	108	25.77		
1055	4.3		22.05	16.67	3.55	0.197	6.08	107	9.62		
1100	4.7		22.05	16.69	3.65	0.196	6.07	107	5.09		
1105	5.1		22.05	16.69	3.59	0.197	6.08	107	1.75		

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: T. Dickey / AECOM	SAMPLER(S) SIGNATURE(S):	SAMPLE TIME: 1115

PUMP OR TUBING DEPTH IN WELL (feet): 57	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: --	FILTER SIZE: -- µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N (replaced)) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal per minute)
MW-96	4	AG	40 mL	HCl	40 mL x 4	6.08	6200	ESP	
	3	AG	40 mL	HCl	40 mL x 3		VPH		
	1	PP	250 mL	HNO_3	250 mL		Lead by 6010		
	3	AG	40 mL	HCl	40 mL x 3		8015		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

APPENDIX E

RISK CALCULATOR OUTPUT

Appendix E - Table 1
Residential Vapor Intrusion Risk Calculator Output by Presumed Source

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Exposure Unit Grouping	Sample Date	Presumed Source	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
SVP-01 through SVP-04	12/15/2020*	Site Release	1.0E-07	1.7E-03
		Background	5.4E-07	6.5E-04
		Cumulative	6.4E-07	2.4E-03
	1/7/2021^*	Site Release	1.1E-08	9.2E-02
		Background	0.0E+00	2.5E-03
		Cumulative	1.1E-07	9.5E-02
	2/12/2021^*	Site Release	0.0E+00	8.2E-01
		Background	0.0E+00	4.3E-03
		Cumulative	0.0E+00	8.2E-01
	3/9/2021^	Site Release	0.0E+00	8.3E-02
		Background	0.0E+00	1.6E-02
		Cumulative	0.0E+00	9.9E-02
	4/8/2021^	Site Release	7.7E-08	8.3E-02
		Background	0.0E+00	6.0E-04
		Cumulative	7.7E-08	8.4E-02
	5/4/2021^	Site Release	0.0E+00	1.6E-01
		Background	0.0E+00	1.1E-01
		Cumulative	0.0E+00	2.7E-01
	5/20/2021	Site Release	3.3E-07	3.5E-01
		Background	0.0E+00	9.5E-03
		Cumulative	3.3E-07	3.6E-01
	5/20/21^	Site Release	0.0E+00	1.5E-01
		Background	1.9E-08	5.5E-03
		Cumulative	1.9E-08	1.6E-01
	6/2/2021	Site Release	7.2E-07	1.5E-01
		Background	9.7E-06	8.8E-02
		Cumulative	1.0E-05	2.4E-01
	6/8/2021	Site Release	4.1E-07	4.0E-01
		Background	6.0E-08	2.0E-02
		Cumulative	4.7E-07	4.2E-01
	7/14/2021	Site Release	0.0E+00	1.0E-01
		Background	0.0E+00	2.6E-05
		Cumulative	0.0E+00	1.0E-01
	8/11/2021	Site Release	6.3E-07	1.2E-01
		Background	1.2E-05	3.6E-01
		Cumulative	1.3E-05	3.8E-01
	8/25/2021	Site Release	1.1E-06	4.2E-01
		Background	2.3E-06	5.1E+00
		Cumulative	3.4E-06	5.5E+00

Appendix E - Table 1
Residential Vapor Intrusion Risk Calculator Output by Presumed Source

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Exposure Unit Grouping	Sample Date	Presumed Source	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
SVP-01 through SVP-04 Continued	9/1/2021	Site Release	5.5E-07	1.9E-01
		Background	4.9E-06	4.0E+00
		Cumulative	5.6E-06	4.0E+00
	9/10/2021	Site Release	3.6E-06	2.6E-01
		Background	5.1E-06	7.8E+00
		Cumulative	5.7E-06	8.1E+00
	9/15/2021	Site Release	3.8E-07	1.4E-01
		Background	5.6E-06	1.3E-01
		Cumulative	6.0E-06	2.7E-01
	9/22/2021	Site Release	5.5E-07	1.9E-01
		Background	6.9E-06	4.6E+00
		Cumulative	7.5E-06	4.8E+00
	9/29/2021	Site Release	1.9E-07	5.6E-02
		Background	1.7E-07	4.5E+00
		Cumulative	3.6E-07	4.5E+00
SVP-05	3/9/2021^	Site Release	0.0E+00	9.6E-03
		Background	4.7E-06	5.8E-03
		Cumulative	4.7E-06	1.5E-02
	4/8/2021^	Site Release	8.0E-08	1.0E-02
		Background	7.6E-07	9.2E-04
		Cumulative	8.4E-07	1.1E-02
	5/4/2021^	Site Release	0.0E+00	1.5E-02
		Background	0.0E+00	1.7E-05
		Cumulative	0.0E+00	1.5E-02
	5/20/2021	Site Release	3.2E-08	2.2E-01
		Background	2.9E-07	9.9E-04
		Cumulative	3.3E-07	2.3E-01
	5/20/21^	Site Release	0.0E+00	1.1E-03
		Background	0.0E+00	0.0E+00
		Cumulative	0.0E+00	1.1E-03
	6/2/2021	Site Release	7.5E-09	5.7E-02
		Background	2.7E-07	1.5E-03
		Cumulative	2.8E-07	5.9E-02
	6/8/2021	Site Release	1.6E-08	7.3E-02
		Background	2.1E-07	6.7E-04
		Cumulative	2.3E-07	7.3E-02
	7/14/2021	Site Release	5.2E-07	6.3E-04
		Background	0.0E+00	8.0E-02
		Cumulative	5.2E-07	8.0E-02

Appendix E - Table 1
Residential Vapor Intrusion Risk Calculator Output by Presumed Source

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Exposure Unit Grouping	Sample Date	Presumed Source	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
SVP-05 Continued	8/11/2021	Site Release	0.0E+00	8.6E-02
		Background	1.5E-06	3.3E-03
		Cumulative	1.5E-06	9.0E-02
	8/25/2021	Site Release	1.4E-05	3.7E+00
		Background	0.0E+00	4.2E-01
		Cumulative	1.4E-05	4.1E+00
	9/1/2021	Site Release	3.5E-07	1.8E-02
		Background	2.1E-06	7.2E-03
		Cumulative	2.5E-06	2.5E-02
	9/10/2021	Site Release	5.3E-07	1.8E-01
		Background	5.0E-06	5.0E-03
		Cumulative	5.6E-06	1.8E-01
	9/15/2021	Site Release	7.0E-08	7.8E-02
		Background	1.0E-06	2.1E-03
		Cumulative	1.1E-06	8.0E-02
	9/22/2021	Site Release	3.9E-07	7.7E-02
		Background	8.9E-07	4.0E+00
		Cumulative	1.3E-06	4.1E+00
	9/29/2021	Site Release	8.0E-08	5.4E-02
		Background	1.2E-06	3.8E-03
		Cumulative	1.3E-06	5.8E-02
SVP-06	3/9/2021^	Site Release	3.6E-07	2.4E-01
		Background	3.4E-06	8.1E-03
		Cumulative	3.8E-06	2.5E-01
	4/8/2021^	Site Release	4.2E-08	2.8E-02
		Background	8.4E-06	2.4E-02
		Cumulative	8.8E-06	5.3E-02
	5/4/2021^	Site Release	0.0E+00	8.3E-02
		Background	9.2E-06	3.7E-02
		Cumulative	9.2E-06	1.2E-01
	5/20/21^	Site Release	0.0E+00	6.8E-03
		Background	9.0E-06	3.9E-02
		Cumulative	9.0E-06	4.6E-02
	6/2/2021	Site Release	9.1E-09	2.0E-01
		Background	8.5E-06	3.9E-02
		Cumulative	8.5E-06	2.4E-01
	6/8/2021	Site Release	1.2E-07	2.7E-01
		Background	7.4E-06	1.1E-01
		Cumulative	7.6E-06	3.8E-01

Appendix E - Table 1
Residential Vapor Intrusion Risk Calculator Output by Presumed Source

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Exposure Unit Grouping	Sample Date	Presumed Source	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
SVP-06 Continued	7/14/2021	Site Release	0.0E+00	1.3E-01
		Background	9.9E-06	4.3E-02
		Cumulative	9.9E-06	1.7E-01
	8/11/2021	Site Release	5.3E-08	1.4E-01
		Background	1.7E-05	6.8E-02
		Cumulative	1.7E-05	2.1E-01
	8/25/2021	Site Release	3.9E-07	2.4E-01
		Background	1.1E-05	6.2E-02
		Cumulative	1.1E-05	3.0E-01
	9/1/2021	Site Release	8.6E-07	1.6E-01
		Background	9.0E-06	6.2E+00
		Cumulative	9.8E-06	6.4E+00
	9/10/2021	Site Release	3.9E-07	1.3E-01
		Background	7.8E-06	7.8E+00
		Cumulative	8.2E-06	7.9E+00
	9/15/2021	Site Release	4.5E-08	1.3E-01
		Background	7.3E-06	4.7E-02
		Cumulative	7.3E-06	1.8E-01
	9/22/2021	Site Release	5.0E-07	1.3E-01
		Background	2.1E-06	3.9E+00
		Cumulative	2.6E-06	4.0E+00
	9/29/2021	Site Release	1.1E-07	6.8E-02
		Background	7.5E-06	4.4E+00
		Cumulative	7.6E-06	4.4E+00
SVP-07 through SVP-09	3/9/2021^	Site Release	4.5E-07	1.4E-02
		Background	7.1E-05	9.6E-02
		Cumulative	7.2E-05	1.1E-01
	4/8/2021^	Site Release	1.2E-07	1.4E-01
		Background	9.3E-05	1.2E-01
		Cumulative	9.4E-05	2.6E-01
	5/4/2021^	Site Release	0.0E+00	1.2E-01
		Background	4.7E-05	5.7E-02
		Cumulative	4.7E-05	1.8E-01
	5/20/21^	Site Release	0.0E+00	4.1E-03
		Background	3.7E-05	4.7E-02
		Cumulative	3.7E-05	5.1E-02
	6/2/2021	Site Release	1.0E-08	3.0E-01
		Background	5.4E-05	6.8E-02
		Cumulative	5.4E-05	3.7E-01

Appendix E - Table 1
Residential Vapor Intrusion Risk Calculator Output by Presumed Source

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Exposure Unit Grouping	Sample Date	Presumed Source	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
SVP-07 through SVP-09 Continued	6/8/2021	Site Release	9.6E-06	3.8E+00
		Background	5.4E-05	1.0E-01
		Cumulative	6.4E-05	3.9E+00
	7/14/2021	Site Release	4.7E-07	4.9E-01
		Background	3.2E-05	5.5E-01
		Cumulative	3.2E-05	1.0E+00
	8/11/2021	Site Release	4.9E-07	1.0E-01
		Background	9.1E-06	6.8E-02
		Cumulative	9.6E-06	1.7E-01
	8/25/2021	Site Release	8.3E-07	2.6E-01
		Background	8.6E-06	2.2E-02
		Cumulative	9.4E-06	2.8E-01
	9/1/2021	Site Release	4.2E-07	5.1E-01
		Background	6.2E-06	5.9E+00
		Cumulative	6.6E-06	6.4E+00
	9/10/2021	Site Release	6.0E-07	1.3E-01
		Background	8.4E-06	5.4E+00
		Cumulative	9.0E-06	5.5E+00
	9/15/2021	Site Release	5.6E-07	1.6E-01
		Background	1.8E-06	3.4E-03
		Cumulative	2.3E-06	1.6E-01
	9/22/2021	Site Release	4.0E-07	9.4E-02
		Background	2.7E-06	4.3E+00
		Cumulative	3.1E-06	4.4E+00
	9/29/2021	Site Release	6.7E-08	5.4E-02
		Background	1.2E-06	3.3E+00
		Cumulative	1.3E-06	3.4E+00
SVP 14 through SVP-15	5/20/21^	Site Release	2.0E-07	2.0E-02
		Background	0.0E+00	1.3E-03
		Cumulative	2.0E-07	2.1E-02
	6/2/2021	Site Release	1.3E-07	4.9E-01
		Background	2.4E-07	1.3E-03
		Cumulative	3.7E-07	4.9E-01
	6/8/2021	Site Release	2.0E-06	1.2E+00
		Background	3.0E-07	3.1E-01
		Cumulative	2.3E-06	1.5E+00
	7/14/2021	Site Release	0.0E+00	3.2E-01
		Background	4.7E-07	1.7E-03
		Cumulative	4.7E-07	3.3E-01

Appendix E - Table 1
Residential Vapor Intrusion Risk Calculator Output by Presumed Source

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Exposure Unit Grouping	Sample Date	Presumed Source	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
SVP 14 through SVP-15 Continued	8/11/2021	Site Release	3.6E-07	1.4E-01
		Background	4.2E-07	5.2E-03
		Cumulative	7.8E-07	1.4E-01
	8/25/2021	Site Release	6.3E-07	1.9E-01
		Background	3.7E-07	5.3E-03
		Cumulative	1.0E-06	1.9E-01
	9/1/2021	Site Release	3.6E-07	2.8E-02
		Background	2.7E-07	2.5E-03
		Cumulative	6.3E-07	3.0E-02
	9/10/2021	Site Release	6.8E-07	1.7E-01
		Background	1.1E-06	9.4E+00
		Cumulative	1.7E-06	9.6E+00
	9/15/2021	Site Release	5.3E-07	9.7E-02
		Background	1.8E-07	1.3E-03
		Cumulative	7.0E-07	9.8E-02
	9/22/2021	Site Release	1.1E-07	4.0E-01
		Background	3.1E-08	3.9E+00
		Cumulative	1.5E-07	4.3E+00
	9/29/2021	Site Release	1.5E-06	9.4E-01
		Background	2.7E-07	5.3E+00
		Cumulative	1.8E-06	6.3E+00
SVP-16	9/22/2021	Site Release	1.7E-07	3.4E-01
		Background	2.0E-06	6.3E+00
		Cumulative	2.1E-06	6.7E+00
SVP-17	9/22/2021	Site Release	5.0E-08	4.3E+00
		Background	0.0E+00	4.0E+00
		Cumulative	5.0E-08	7.8E+00
SVP-18	9/22/2021	Site Release	4.3E-07	9.0E-02
		Background	7.1E-10	2.1E-03
		Cumulative	4.3E-07	9.2E-02
SVP-19	9/22/2021	Site Release	4.0E-07	9.0E-02
		Background	6.1E-08	3.5E-03
		Cumulative	4.6E-07	9.3E-02
SVP-20	9/22/2021	Site Release	8.4E-08	4.9E-02
		Background	5.0E-10	3.3E+00
		Cumulative	8.4E-08	3.4E+00

Appendix E - Table 1
Residential Vapor Intrusion Risk Calculator Output by Presumed Source

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Exposure Unit Grouping	Sample Date	Presumed Source	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
SVP-21	9/22/2021	Site Release	4.9E-07	1.4E-01
		Background	9.4E-08	5.4E+00
		Cumulative	5.9E-07	5.6E+00
SVP-22	10/15/2021	Site Release	1.4E-06	1.2E-01
		Background	7.8E-07	5.4E+00
		Cumulative	2.2E-06	5.5E+00

Notes:
* - indicates Risk Calculator only included Samples SVP-01 to SVP-03
^ - indicates sample was analyzed by Eurofins, all other samples were analyzed by Pace

RISK CALCULATOR OUTPUTS

December 15, 2020

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SV-1 to SV-3

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
71-43-2	Benzene	1.2	0.036	3.6E-01	6.3E+00	1.0E-07	1.2E-03
67-66-3	Chloroform	2.2	0.066	1.2E-01	2.0E+01	5.4E-07	6.5E-04
108-88-3	Toluene	2.1	0.063	-	1.0E+03		1.2E-05
95-47-6	Xylene, o-	2	0.06	-	2.1E+01		5.8E-04
					Cumulative:	6.4E-07	2.4E-03

RISK CALCULATOR OUTPUTS

January 7, 2021

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SV-1-PA to SV-3-PA

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
71-43-2	Benzene	1.3	0.039	3.6E-01	6.3E+00	1.1E-07	1.2E-03
75-15-0	Carbon Disulfide	6.2	0.186	-	1.5E+02		2.5E-04
74-87-3	Chloromethane	0.78	0.0234	-	1.9E+01		2.5E-04
110-82-7	Cyclohexane	5.4	0.162	-	1.3E+03		2.6E-05
75-71-8	Dichlorodifluoromethane	2.6	0.078	-	2.1E+01		7.5E-04
142-82-5	Heptane, N-	1.8	0.054	-	8.3E+01		1.3E-04
110-54-3	Hexane, N-	6.4	0.192	-	1.5E+02		2.6E-04
67-63-0	Isopropanol	5.4	0.162	-	4.2E+01		7.8E-04
115-07-1	Propylene	6.1	0.183	-	6.3E+02		5.8E-05
108-88-3	Toluene	4.4	0.132	-	1.0E+03		2.5E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	433	12.99	-	1.3E+02		2.1E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	233	6.99	-	2.1E+01		6.7E-02
95-63-6	Trimethylbenzene, 1,2,4-	2.3	0.069	-	1.3E+01		1.1E-03
1330-20-7	Xylenes	7	0.21	-	2.1E+01		2.0E-03
					Cumulative:	1.1E-07	9.5E-02

RISK CALCULATOR OUTPUTS

February 12, 2021

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SV-1 to SV-3

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	35	1.05	-	6.5E+03		3.2E-05
110-82-7	Cyclohexane	14	0.42	-	1.3E+03		6.7E-05
75-71-8	Dichlorodifluoromethane	7.6	0.228	-	2.1E+01		2.2E-03
67-63-0	Isopropanol	14	0.42	-	4.2E+01		2.0E-03
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	17000	510	-	1.3E+02		**8.2E-01**
					Cumulative:	0.0E+00	8.2E-01

RISK CALCULATOR OUTPUTS

March 9, 2021

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2021

Basis: November 2020 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-01 to SVP-04

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	67	2.01	-	6.5E+03		6.2E-05
75-15-0	Carbon Disulfide	11	0.33	-	1.5E+02		4.5E-04
98-82-8	Cumene	3.3	0.099	-	8.3E+01		2.4E-04
110-82-7	Cyclohexane	16	0.48	-	1.3E+03		7.7E-05
142-82-5	Heptane, N-	38	1.14	-	8.3E+01		2.7E-03
110-54-3	Hexane, N-	120	3.6	-	1.5E+02		4.9E-03
67-63-0	Isopropanol	54	1.62	-	4.2E+01		7.8E-03
78-93-3	Methyl Ethyl Ketone (2-Butanone)	7	0.21	-	1.0E+03		4.0E-05
108-88-3	Toluene	5.5	0.165	-	1.0E+03		3.2E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	560	16.8	-	1.3E+02		2.7E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	190	5.7	-	2.1E+01		5.5E-02
1330-20-7	Xylenes	5.2	0.156	-	2.1E+01		1.5E-03
					Cumulative:	0.0E+00	9.9E-02

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2021

Basis: November 2020 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-05

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-66-3	Chloroform	19	0.57	1.2E-01	2.0E+01	**4.7E-06**	5.6E-03
98-82-8	Cumene	1.9	0.057	-	8.3E+01		1.4E-04
110-82-7	Cyclohexane	8.9	0.267	-	1.3E+03		4.3E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	200	6	-	1.3E+02		9.6E-03
					Cumulative:	4.7E-06	1.5E-02

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2021

Basis: November 2020 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-06

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
71-43-2	Benzene	3.5	0.105	3.6E-01	6.3E+00	2.9E-07	3.4E-03
67-66-3	Chloroform	14	0.42	1.2E-01	2.0E+01	**3.4E-06**	4.1E-03
98-82-8	Cumene	1.6	0.048	-	8.3E+01		1.2E-04
110-82-7	Cyclohexane	20	0.6	-	1.3E+03		9.6E-05
100-41-4	Ethylbenzene	2.7	0.081	1.1E+00	2.1E+02	7.2E-08	7.8E-05
142-82-5	Heptane, N-	8.2	0.246	-	8.3E+01		5.9E-04
110-54-3	Hexane, N-	21	0.63	-	1.5E+02		8.6E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	2.3	0.069	-	1.0E+03		1.3E-05
127-18-4	Tetrachloroethylene	3.2	0.096	1.1E+01	8.3E+00	8.9E-09	2.3E-03
108-88-3	Toluene	19	0.57	-	1.0E+03		1.1E-04
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	1900	57	-	1.3E+02		9.1E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	460	13.8	-	2.1E+01		1.3E-01
95-63-6	Trimethylbenzene, 1,2,4-	3.2	0.096	-	1.3E+01		1.5E-03
108-67-8	Trimethylbenzene, 1,3,5-	2.2	0.066	-	1.3E+01		1.1E-03
106-42-3	Xylene, P-	27	0.81	-	2.1E+01		7.8E-03
95-47-6	Xylene, o-	9.1	0.273	-	2.1E+01		2.6E-03
					Cumulative:	3.8E-06	2.5E-01

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2021

Basis: November 2020 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-07 to SVP-09

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	63	1.89	-	6.5E+03		5.8E-05
71-43-2	Benzene	5.4	0.162	3.6E-01	6.3E+00	4.5E-07	5.2E-03
75-15-0	Carbon Disulfide	57	1.71	-	1.5E+02		2.3E-03
67-66-3	Chloroform	290	8.7	1.2E-01	2.0E+01	**7.1E-05**	8.5E-02
98-82-8	Cumene	7.6	0.228	-	8.3E+01		5.5E-04
110-82-7	Cyclohexane	350	10.5	-	1.3E+03		1.7E-03
142-82-5	Heptane, N-	8.2	0.246	-	8.3E+01		5.9E-04
110-54-3	Hexane, N-	42	1.26	-	1.5E+02		1.7E-03
67-63-0	Isopropanol	30	0.9	-	4.2E+01		4.3E-03
78-93-3	Methyl Ethyl Ketone (2-Butanone)	9.4	0.282	-	1.0E+03		5.4E-05
108-88-3	Toluene	12	0.36	-	1.0E+03		6.9E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	140	4.2	-	1.3E+02		6.7E-03
106-42-3	Xylene, P-	7	0.21	-	2.1E+01		2.0E-03
					Cumulative:	7.2E-05	1.1E-01

RISK CALCULATOR OUTPUTS

April 8, 2021

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2021

Basis: November 2020 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-01 to SVP-04

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	66	1.98	-	6.5E+03		6.1E-05
75-15-0	Carbon Disulfide	9.4	0.282	-	1.5E+02		3.9E-04
110-82-7	Cyclohexane	2.4	0.072	-	1.3E+03		1.2E-05
100-41-4	Ethylbenzene	2.9	0.087	1.1E+00	2.1E+02	7.7E-08	8.3E-05
78-93-3	Methyl Ethyl Ketone (2-Butanone)	2.1	0.063	-	1.0E+03		1.2E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	1700	51	-	1.3E+02		8.2E-02
71-55-6	Trichloroethane, 1,1,1-	22	0.66	-	1.0E+03		1.3E-04
95-47-6	Xylene, o-	5.7	0.171	-	2.1E+01		1.6E-03
					Cumulative:	7.7E-08	8.4E-02

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2021

Basis: November 2020 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-05

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-66-3	Chloroform	3.1	0.093	1.2E-01	2.0E+01	7.6E-07	9.1E-04
110-82-7	Cyclohexane	2.3	0.069	-	1.3E+03		1.1E-05
100-41-4	Ethylbenzene	3	0.09	1.1E+00	2.1E+02	8.0E-08	8.6E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	170	5.1	-	1.3E+02		8.2E-03
95-63-6	Trimethylbenzene, 1,2,4-	2.1	0.063	-	1.3E+01		1.0E-03
95-47-6	Xylene, o-	3.1	0.093	-	2.1E+01		8.9E-04
					Cumulative:	8.4E-07	1.1E-02

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2021

Basis: November 2020 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-06

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
71-43-2	Benzene	2.9	0.087	3.6E-01	6.3E+00	2.4E-07	2.8E-03
75-15-0	Carbon Disulfide	3	0.09	-	1.5E+02		1.2E-04
75-45-6	Chlorodifluoromethane	4.9	0.147	-	1.0E+04		2.8E-06
67-66-3	Chloroform	34	1.02	1.2E-01	2.0E+01	**8.4E-06**	1.0E-02
74-87-3	Chloromethane	2.6	0.078	-	1.9E+01		8.3E-04
110-82-7	Cyclohexane	6.2	0.186	-	1.3E+03		3.0E-05
100-41-4	Ethylbenzene	6.6	0.198	1.1E+00	2.1E+02	1.8E-07	1.9E-04
142-82-5	Heptane, N-	7.2	0.216	-	8.3E+01		5.2E-04
110-54-3	Hexane, N-	18	0.54	-	1.5E+02		7.4E-04
127-18-4	Tetrachloroethylene	17	0.51	1.1E+01	8.3E+00	4.7E-08	1.2E-02
108-88-3	Toluene	12	0.36	-	1.0E+03		6.9E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	270	8.1	-	1.3E+02		1.3E-02
95-63-6	Trimethylbenzene, 1,2,4-	7.4	0.222	-	1.3E+01		3.5E-03
108-67-8	Trimethylbenzene, 1,3,5-	2.5	0.075	-	1.3E+01		1.2E-03
106-42-3	Xylene, P-	17	0.51	-	2.1E+01		4.9E-03
95-47-6	Xylene, o-	9.3	0.279	-	2.1E+01		2.7E-03
					Cumulative:	8.8E-06	5.3E-02

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2021

Basis: November 2020 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-07 to SVP-09

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	53	1.59	-	6.5E+03		4.9E-05
75-15-0	Carbon Disulfide	3.7	0.111	-	1.5E+02		1.5E-04
67-66-3	Chloroform	380	11.4	1.2E-01	2.0E+01	**9.3E-05**	1.1E-01
74-87-3	Chloromethane	2.2	0.066	-	1.9E+01		7.0E-04
110-82-7	Cyclohexane	410	12.3	-	1.3E+03		2.0E-03
75-71-8	Dichlorodifluoromethane	5.3	0.159	-	2.1E+01		1.5E-03
100-41-4	Ethylbenzene	4.5	0.135	1.1E+00	2.1E+02	1.2E-07	1.3E-04
110-54-3	Hexane, N-	18	0.54	-	1.5E+02		7.4E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	8.7	0.261	-	1.0E+03		5.0E-05
108-88-3	Toluene	4.1	0.123	-	1.0E+03		2.4E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	1100	33	-	1.3E+02		5.3E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	270	8.1	-	2.1E+01		7.8E-02
95-63-6	Trimethylbenzene, 1,2,4-	8	0.24	-	1.3E+01		3.8E-03
108-67-8	Trimethylbenzene, 1,3,5-	2.3	0.069	-	1.3E+01		1.1E-03
106-42-3	Xylene, P-	7.8	0.234	-	2.1E+01		2.2E-03
95-47-6	Xylene, o-	4.5	0.135	-	2.1E+01		1.3E-03
					Cumulative:	9.4E-05	2.6E-01

RISK CALCULATOR OUTPUTS

May 4, 2021

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-01 to SVP-04 - Eurofins Analytical

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	77	2.31	-	6.5E+03		7.1E-05
110-82-7	Cyclohexane	280	8.4	-	1.3E+03		1.3E-03
142-82-5	Heptane, N-	280	8.4	-	8.3E+01		2.0E-02
110-54-3	Hexane, N-	1800	54	-	1.5E+02		7.4E-02
67-63-0	Isopropanol	85	2.55	-	4.2E+01		1.2E-02
78-93-3	Methyl Ethyl Ketone (2-Butanone)	31	0.93	-	1.0E+03		1.8E-04
108-88-3	Toluene	18	0.54	-	1.0E+03		1.0E-04
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	230	6.9	-	1.3E+02		1.1E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	510	15.3	-	2.1E+01		1.5E-01
95-63-6	Trimethylbenzene, 1,2,4-	2.7	0.081	-	1.3E+01		1.3E-03
95-47-6	Xylene, o-	4.4	0.132	-	2.1E+01		1.3E-03
					Cumulative:	0.0E+00	2.7E-01

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2021

Basis: November 2020 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-05 - Eurofins Analytical Data

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
110-82-7	Cyclohexane	3.5	0.105	-	1.3E+03		1.7E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	320	9.6	-	1.3E+02		1.5E-02
					Cumulative:	0.0E+00	1.5E-02

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2021

Basis: November 2020 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-06 - Eurofins Analytical Data

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-66-3	Chloroform	37	1.11	1.2E-01	2.0E+01	**9.1E-06**	1.1E-02
110-82-7	Cyclohexane	3.3	0.099	-	1.3E+03		1.6E-05
127-18-4	Tetrachloroethylene	37	1.11	1.1E+01	8.3E+00	1.0E-07	2.7E-02
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	480	14.4	-	1.3E+02		2.3E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	210	6.3	-	2.1E+01		6.0E-02
					Cumulative:	9.2E-06	1.2E-01

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2021

Basis: November 2020 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-07 to SVP-09 - Eurofins Analytical Data

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
75-15-0	Carbon Disulfide	5.1	0.153	-	1.5E+02		2.1E-04
67-66-3	Chloroform	190	5.7	1.2E-01	2.0E+01	**4.7E-05**	5.6E-02
110-82-7	Cyclohexane	110	3.3	-	1.3E+03		5.3E-04
75-09-2	Methylene Chloride	7.1	0.213	1.0E+02	1.3E+02	2.1E-09	3.4E-04
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	390	11.7	-	1.3E+02		1.9E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	360	10.8	-	2.1E+01		1.0E-01
					Cumulative:	4.7E-05	1.8E-01

RISK CALCULATOR OUTPUTS

May 20, 2021

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2021

Basis: November 2020 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-01 to SVP-04, DUP-1 - Pace Analytical Data

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	18	0.54	-	6.5E+03		1.7E-05
71-43-2	Benzene	0.5	0.015	3.6E-01	6.3E+00	4.2E-08	4.8E-04
141-78-6	Ethyl Acetate	7.5	0.225	-	1.5E+01		3.1E-03
100-41-4	Ethylbenzene	0.38	0.0114	1.1E+00	2.1E+02	1.0E-08	1.1E-05
110-54-3	Hexane, N-	1.5	0.045	-	1.5E+02		6.2E-05
67-63-0	Isopropanol	44	1.32	-	4.2E+01		6.3E-03
78-93-3	Methyl Ethyl Ketone (2-Butanone)	4.1	0.123	-	1.0E+03		2.4E-05
91-20-3	~Naphthalene	0.77	0.0231	8.3E-02	6.3E-01	2.8E-07	7.4E-03
108-88-3	Toluene	11	0.33	-	1.0E+03		6.3E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	760	22.8	-	1.3E+02		3.6E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	420	12.6	-	2.1E+01		1.2E-01
E1790674	Total Petroleum Hydrocarbons (Aromatic	19	0.57	-	6.3E-01		1.8E-01
75-69-4	Trichlorofluoromethane	1.2	0.036	-	-		
106-42-3	Xylene, P-	1.3	0.039	-	2.1E+01		3.7E-04
95-47-6	Xylene, o-	0.63	0.0189	-	2.1E+01		1.8E-04
					Cumulative:	3.3E-07	3.6E-01

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2021

Basis: November 2020 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-05 - Pace Analytical Data

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	12	0.36	-	6.5E+03		1.1E-05
71-43-2	Benzene	0.38	0.0114	3.6E-01	6.3E+00	3.2E-08	3.6E-04
67-66-3	Chloroform	1.2	0.036	1.2E-01	2.0E+01	2.9E-07	3.5E-04
67-63-0	Isopropanol	4.3	0.129	-	4.2E+01		6.2E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	1.2	0.036	-	1.0E+03		6.9E-06
108-88-3	Toluene	1.1	0.033	-	1.0E+03		6.3E-06
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	170	5.1	-	1.3E+02		8.2E-03
E1790668	Total Petroleum Hydrocarbons (Aliphatic	250	7.5	-	2.1E+01		7.2E-02
E1790674	Total Petroleum Hydrocarbons (Aromatic	15	0.45	-	6.3E-01		1.4E-01
75-69-4	Trichlorofluoromethane	1.3	0.039	-	-		
106-42-3	Xylene, P-	0.76	0.0228	-	2.1E+01		2.2E-04
95-47-6	Xylene, o-	0.37	0.0111	-	2.1E+01		1.1E-04
				Cumulative:		3.3E-07	2.3E-01

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2021

Basis: November 2020 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-01 to SVP-04, DUP-1 - Eurofins Analytical Data

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	85	2.55	-	6.5E+03		7.9E-05
75-15-0	Carbon Disulfide	12	0.36	-	1.5E+02		4.9E-04
75-45-6	Chlorodifluoromethane	5.8	0.174	-	1.0E+04		3.3E-06
127-18-4	Tetrachloroethylene	6.9	0.207	1.1E+01	8.3E+00	1.9E-08	5.0E-03
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	3100	93	-	1.3E+02		1.5E-01
E1790668	Total Petroleum Hydrocarbons (Aliphatic	12	0.36	-	2.1E+01		3.5E-03
					Cumulative:	1.9E-08	1.6E-01

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2021

Basis: November 2020 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-05 - Eurofins Analytical Data

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	22	0.66	-	1.3E+02		1.1E-03
					Cumulative:	0.0E+00	1.1E-03

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2021

Basis: November 2020 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-06 - Eurofins Analytical Data

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
75-15-0	Carbon Disulfide	4.1	0.123	-	1.5E+02		1.7E-04
67-66-3	Chloroform	36	1.08	1.2E-01	2.0E+01	**8.8E-06**	1.1E-02
110-82-7	Cyclohexane	1.8	0.054	-	1.3E+03		8.6E-06
127-18-4	Tetrachloroethylene	39	1.17	1.1E+01	8.3E+00	1.1E-07	2.8E-02
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	34	1.02	-	1.3E+02		1.6E-03
E1790668	Total Petroleum Hydrocarbons (Aliphatic	18	0.54	-	2.1E+01		5.2E-03
					Cumulative:	9.0E-06	4.6E-02

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2021

Basis: November 2020 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-07 to SVP-09 - Eurofins Analytical Data

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
75-15-0	Carbon Disulfide	23	0.69	-	1.5E+02		9.5E-04
75-45-6	Chlorodifluoromethane	10	0.3	-	1.0E+04		5.8E-06
67-66-3	Chloroform	150	4.5	1.2E-01	2.0E+01	**3.7E-05**	4.4E-02
110-82-7	Cyclohexane	480	14.4	-	1.3E+03		2.3E-03
108-88-3	Toluene	3.6	0.108	-	1.0E+03		2.1E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	86	2.58	-	1.3E+02		4.1E-03
					Cumulative:	3.7E-05	5.1E-02

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2021

Basis: November 2020 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-14 and SVP-15 - Eurofins Analytical Data

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
71-43-2	Benzene	2.4	0.072	3.6E-01	6.3E+00	2.0E-07	2.3E-03
75-15-0	Carbon Disulfide	16	0.48	-	1.5E+02		6.6E-04
110-82-7	Cyclohexane	3.5	0.105	-	1.3E+03		1.7E-05
142-82-5	Heptane, N-	2.7	0.081	-	8.3E+01		1.9E-04
110-54-3	Hexane, N-	9.1	0.273	-	1.5E+02		3.7E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	4.9	0.147	-	1.0E+03		2.8E-05
108-88-3	Toluene	10	0.3	-	1.0E+03		5.8E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	75	2.25	-	1.3E+02		3.6E-03
E1790668	Total Petroleum Hydrocarbons (Aliphatic	43	1.29	-	2.1E+01		1.2E-02
95-63-6	Trimethylbenzene, 1,2,4-	2.7	0.081	-	1.3E+01		1.3E-03
					Cumulative:	2.0E-07	2.1E-02

RISK CALCULATOR OUTPUTS

June 2, 2021

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2021

Basis: November 2020 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-01 to SVP-04, DUP-1

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	17	0.51	-	6.5E+03		1.6E-05
75-27-4	Bromodichloromethane	1.1	0.033	7.6E-02	-	4.3E-07	
75-25-2	Bromoform	2	0.06	2.6E+00	-	2.4E-08	
56-23-5	Carbon Tetrachloride	0.82	0.0246	4.7E-01	2.1E+01	5.3E-08	2.4E-04
124-48-1	Dibromochloromethane	1.7	0.051	-	-		
106-93-4	Dibromoethane, 1,2-	1.4	0.042	4.7E-03	1.9E+00	**9.0E-06**	4.5E-03
95-50-1	Dichlorobenzene, 1,2-	1.3	0.039	-	4.2E+01		1.9E-04
100-41-4	Ethylbenzene	0.96	0.0288	1.1E+00	2.1E+02	2.6E-08	2.8E-05
67-63-0	Isopropanol	5.9	0.177	-	4.2E+01		8.5E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	4.3	0.129	-	1.0E+03		2.5E-05
75-09-2	Methylene Chloride	3.3	0.099	1.0E+02	1.3E+02	9.8E-10	1.6E-04
91-20-3	~Naphthalene	1.9	0.057	8.3E-02	6.3E-01	6.9E-07	1.8E-02
100-42-5	Styrene	1.1	0.033	-	2.1E+02		3.2E-05
127-18-4	Tetrachloroethylene	1.4	0.042	1.1E+01	8.3E+00	3.9E-09	1.0E-03
108-88-3	Toluene	23	0.69	-	1.0E+03		1.3E-04
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	600	18	-	1.3E+02		2.9E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic Medium)	360	10.8	-	2.1E+01		1.0E-01
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	1.9	0.057	-	1.0E+03		1.1E-05
120-82-1	Trichlorobenzene, 1,2,4-	1.9	0.057	-	4.2E-01		2.7E-02
71-55-6	Trichloroethane, 1,1,1-	0.61	0.0183	-	1.0E+03		3.5E-06
79-01-6	Trichloroethylene	3.7	0.111	4.8E-01	4.2E-01	2.3E-07	5.3E-02
75-69-4	Trichlorofluoromethane	1.7	0.051	-	-		
108-67-8	Trimethylbenzene, 1,3,5-	0.88	0.0264	-	1.3E+01		4.2E-04
108-38-3	Xylene, m-	2.3	0.069	-	2.1E+01		6.6E-04
95-47-6	Xylene, o-	1.1	0.033	-	2.1E+01		3.2E-04
					Cumulative:	1.0E-05	2.4E-01

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2021

Basis: November 2020 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-05

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-66-3	Chloroform	1.1	0.033	1.2E-01	2.0E+01	2.7E-07	3.2E-04
100-41-4	Ethylbenzene	0.28	0.0084	1.1E+00	2.1E+02	7.5E-09	8.1E-06
67-63-0	Isopropanol	4.6	0.138	-	4.2E+01		6.6E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	1.5	0.045	-	1.0E+03		8.6E-06
127-18-4	Tetrachloroethylene	0.66	0.0198	1.1E+01	8.3E+00	1.8E-09	4.7E-04
108-88-3	Toluene	3.1	0.093	-	1.0E+03		1.8E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	110	3.3	-	1.3E+02		5.3E-03
E1790668	Total Petroleum Hydrocarbons (Aliphatic	180	5.4	-	2.1E+01		5.2E-02
75-69-4	Trichlorofluoromethane	1.5	0.045	-	-		
106-42-3	Xylene, P-	0.62	0.0186	-	2.1E+01		1.8E-04
95-47-6	Xylene, o-	0.28	0.0084	-	2.1E+01		8.1E-05
					Cumulative:	2.8E-07	5.9E-02

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2021

Basis: November 2020 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-06

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	12	0.36	-	6.5E+03		1.1E-05
67-66-3	Chloroform	34	1.02	1.2E-01	2.0E+01	**8.4E-06**	1.0E-02
100-41-4	Ethylbenzene	0.34	0.0102	1.1E+00	2.1E+02	9.1E-09	9.8E-06
67-63-0	Isopropanol	5.9	0.177	-	4.2E+01		8.5E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	2.5	0.075	-	1.0E+03		1.4E-05
75-09-2	Methylene Chloride	1.7	0.051	1.0E+02	1.3E+02	5.0E-10	8.2E-05
127-18-4	Tetrachloroethylene	39	1.17	1.1E+01	8.3E+00	1.1E-07	2.8E-02
108-88-3	Toluene	2.4	0.072	-	1.0E+03		1.4E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	370	11.1	-	1.3E+02		1.8E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	640	19.2	-	2.1E+01		1.8E-01
75-69-4	Trichlorofluoromethane	1.5	0.045	-	-		
106-42-3	Xylene, P-	1.1	0.033	-	2.1E+01		3.2E-04
95-47-6	Xylene, o-	0.43	0.0129	-	2.1E+01		1.2E-04
					Cumulative:	8.5E-06	2.4E-01

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2021

Basis: November 2020 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-07 to SVP-09

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	26	0.78	-	6.5E+03		2.4E-05
67-66-3	Chloroform	220	6.6	1.2E-01	2.0E+01	**5.4E-05**	6.5E-02
110-82-7	Cyclohexane	16	0.48	-	1.3E+03		7.7E-05
75-34-3	Dichloroethane, 1,1-	2.3	0.069	1.8E+00	-	3.9E-08	
100-41-4	Ethylbenzene	0.38	0.0114	1.1E+00	2.1E+02	1.0E-08	1.1E-05
67-63-0	Isopropanol	11	0.33	-	4.2E+01		1.6E-03
78-93-3	Methyl Ethyl Ketone (2-Butanone)	5.4	0.162	-	1.0E+03		3.1E-05
75-09-2	Methylene Chloride	6.8	0.204	1.0E+02	1.3E+02	2.0E-09	3.3E-04
127-18-4	Tetrachloroethylene	1.9	0.057	1.1E+01	8.3E+00	5.3E-09	1.4E-03
108-88-3	Toluene	5.4	0.162	-	1.0E+03		3.1E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	2900	87	-	1.3E+02		1.4E-01
E1790668	Total Petroleum Hydrocarbons (Aliphatic	550	16.5	-	2.1E+01		1.6E-01
75-69-4	Trichlorofluoromethane	1.4	0.042	-	-		
106-42-3	Xylene, P-	1.2	0.036	-	2.1E+01		3.5E-04
95-47-6	Xylene, o-	0.51	0.0153	-	2.1E+01		1.5E-04
					Cumulative:	5.4E-05	3.7E-01

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2021

Basis: November 2020 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-14 and SVP-15

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
71-43-2	Benzene	1.2	0.036	3.6E-01	6.3E+00	1.0E-07	1.2E-03
75-15-0	Carbon Disulfide	16	0.48	-	1.5E+02		6.6E-04
67-66-3	Chloroform	0.99	0.0297	1.2E-01	2.0E+01	2.4E-07	2.9E-04
100-41-4	Ethylbenzene	1.1	0.033	1.1E+00	2.1E+02	2.9E-08	3.2E-05
75-09-2	Methylene Chloride	2.3	0.069	1.0E+02	1.3E+02	6.8E-10	1.1E-04
108-88-3	Toluene	3.4	0.102	-	1.0E+03		2.0E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	760	22.8	-	1.3E+02		3.6E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	1000	30	-	2.1E+01		**2.9E-01**
E1790674	Total Petroleum Hydrocarbons (Aromatic	17	0.51	-	6.3E-01		1.6E-01
75-69-4	Trichlorofluoromethane	1.5	0.045	-	-		
526-73-8	Trimethylbenzene, 1,2,3-	0.47	0.0141	-	1.3E+01		2.3E-04
106-42-3	Xylene, P-	3.1	0.093	-	2.1E+01		8.9E-04
95-47-6	Xylene, o-	1.2	0.036	-	2.1E+01		3.5E-04
					Cumulative:	3.7E-07	4.9E-01

RISK CALCULATOR OUTPUTS

June 8, 2021

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2021

Basis: November 2020 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-01 to SVP-04, DUP-1

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	25	0.75	-	6.5E+03		2.3E-05
71-43-2	Benzene	1.1	0.033	3.6E-01	6.3E+00	9.2E-08	1.1E-03
141-78-6	Ethyl Acetate	15	0.45	-	1.5E+01		6.2E-03
100-41-4	Ethylbenzene	2	0.06	1.1E+00	2.1E+02	5.3E-08	5.8E-05
78-93-3	Methyl Ethyl Ketone (2-Butanone)	3.7	0.111	-	1.0E+03		2.1E-05
91-20-3	~Naphthalene	0.73	0.0219	8.3E-02	6.3E-01	2.7E-07	7.0E-03
100-42-5	Styrene	1.3	0.039	-	2.1E+02		3.7E-05
108-88-3	Toluene	7.7	0.231	-	1.0E+03		4.4E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	670	20.1	-	1.3E+02		3.2E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	370	11.1	-	2.1E+01		1.1E-01
E1790674	Total Petroleum Hydrocarbons (Aromatic	26	0.78	-	6.3E-01		**2.5E-01**
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	4.5	0.135	-	1.0E+03		2.6E-05
79-01-6	Trichloroethylene	0.95	0.0285	4.8E-01	4.2E-01	6.0E-08	1.4E-02
526-73-8	Trimethylbenzene, 1,2,3-	0.86	0.0258	-	1.3E+01		4.1E-04
95-63-6	Trimethylbenzene, 1,2,4-	3.3	0.099	-	1.3E+01		1.6E-03
106-42-3	Xylene, P-	6	0.18	-	2.1E+01		1.7E-03
95-47-6	Xylene, o-	2.9	0.087	-	2.1E+01		8.3E-04
					Cumulative:	4.7E-07	4.2E-01

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2021

Basis: November 2020 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-05

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	14	0.42	-	6.5E+03		1.3E-05
67-66-3	Chloroform	0.86	0.0258	1.2E-01	2.0E+01	2.1E-07	2.5E-04
100-41-4	Ethylbenzene	0.59	0.0177	1.1E+00	2.1E+02	1.6E-08	1.7E-05
78-93-3	Methyl Ethyl Ketone (2-Butanone)	2	0.06	-	1.0E+03		1.2E-05
127-18-4	Tetrachloroethylene	0.54	0.0162	1.1E+01	8.3E+00	1.5E-09	3.9E-04
108-88-3	Toluene	3	0.09	-	1.0E+03		1.7E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	120	3.6	-	1.3E+02		5.8E-03
E1790668	Total Petroleum Hydrocarbons (Aliphatic	230	6.9	-	2.1E+01		6.6E-02
75-69-4	Trichlorofluoromethane	1.5	0.045	-	-		
106-42-3	Xylene, P-	2	0.06	-	2.1E+01		5.8E-04
95-47-6	Xylene, o-	0.73	0.0219	-	2.1E+01		2.1E-04
					Cumulative:	2.3E-07	7.3E-02

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2021

Basis: November 2020 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-06

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
71-43-2	Benzene	0.81	0.0243	3.6E-01	6.3E+00	6.8E-08	7.8E-04
67-66-3	Chloroform	29	0.87	1.2E-01	2.0E+01	**7.1E-06**	8.5E-03
78-87-5	Dichloropropane, 1,2-	5.5	0.165	7.6E-01	8.3E-01	2.2E-07	4.0E-02
141-78-6	Ethyl Acetate	69	2.07	-	1.5E+01		2.8E-02
100-41-4	Ethylbenzene	2	0.06	1.1E+00	2.1E+02	5.3E-08	5.8E-05
109-99-9	~Tetrahydrofuran	3.9	0.117	-	4.2E+02		5.6E-05
67-63-0	Isopropanol	20	0.6	-	4.2E+01		2.9E-03
78-93-3	Methyl Ethyl Ketone (2-Butanone)	6.7	0.201	-	1.0E+03		3.9E-05
100-42-5	Styrene	1.5	0.045	-	2.1E+02		4.3E-05
127-18-4	Tetrachloroethylene	37	1.11	1.1E+01	8.3E+00	1.0E-07	2.7E-02
108-88-3	Toluene	38	1.14	-	1.0E+03		2.2E-04
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	450	13.5	-	1.3E+02		2.2E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	400	12	-	2.1E+01		1.2E-01
E1790674	Total Petroleum Hydrocarbons (Aromatic	14	0.42	-	6.3E-01		1.3E-01
106-42-3	Xylene, P-	6.5	0.195	-	2.1E+01		1.9E-03
95-47-6	Xylene, o-	2.8	0.084	-	2.1E+01		8.1E-04
					Cumulative:	7.6E-06	3.8E-01

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2021

Basis: November 2020 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-07 to SVP-09

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	38	1.14	-	6.5E+03		3.5E-05
71-43-2	Benzene	74	2.22	3.6E-01	6.3E+00	**6.2E-06**	7.1E-02
135-98-8	Butylbenzene, sec-	1.1	0.033	-	-		
67-66-3	Chloroform	220	6.6	1.2E-01	2.0E+01	**5.4E-05**	6.5E-02
98-82-8	Cumene	5.2	0.156	-	8.3E+01		3.7E-04
110-82-7	Cyclohexane	13	0.39	-	1.3E+03		6.2E-05
100-41-4	Ethylbenzene	130	3.9	1.1E+00	2.1E+02	**3.5E-06**	3.7E-03
142-82-5	Heptane, N-	23	0.69	-	8.3E+01		1.7E-03
110-54-3	Hexane, N-	21	0.63	-	1.5E+02		8.6E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	5.2	0.156	-	1.0E+03		3.0E-05
103-65-1	Propyl benzene	14	0.42	-	2.1E+02		4.0E-04
127-18-4	Tetrachloroethylene	3.9	0.117	1.1E+01	8.3E+00	1.1E-08	2.8E-03
108-88-3	Toluene	680	20.4	-	1.0E+03		3.9E-03
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	1500	45	-	1.3E+02		7.2E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	380	11.4	-	2.1E+01		1.1E-01
E1790674	Total Petroleum Hydrocarbons (Aromatic	350	10.5	-	6.3E-01		**3.4E+00**
79-01-6	Trichloroethylene	2.3	0.069	4.8E-01	4.2E-01	1.4E-07	3.3E-02
75-69-4	Trichlorofluoromethane	1.3	0.039	-	-		
526-73-8	Trimethylbenzene, 1,2,3-	0.32	0.0096	-	1.3E+01		1.5E-04
95-63-6	Trimethylbenzene, 1,2,4-	71	2.13	-	1.3E+01		3.4E-02
108-67-8	Trimethylbenzene, 1,3,5-	27	0.81	-	1.3E+01		1.3E-02
106-42-3	Xylene, P-	440	13.2	-	2.1E+01		1.3E-01
95-47-6	Xylene, o-	160	4.8	-	2.1E+01		4.6E-02
					Cumulative:	6.4E-05	**3.9E+00**

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2021

Basis: November 2020 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-14 and SVP-15

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
71-43-2	Benzene	14	0.42	3.6E-01	6.3E+00	**1.2E-06**	1.3E-02
67-66-3	Chloroform	0.61	0.0183	1.2E-01	2.0E+01	1.5E-07	1.8E-04
98-82-8	Cumene	1.8	0.054	-	8.3E+01		1.3E-04
110-82-7	Cyclohexane	31	0.93	-	1.3E+03		1.5E-04
78-87-5	Dichloropropane, 1,2-	3.5	0.105	7.6E-01	8.3E-01	1.4E-07	2.5E-02
141-78-6	Ethyl Acetate	620	18.6	-	1.5E+01		**2.5E-01**
100-41-4	Ethylbenzene	30	0.9	1.1E+00	2.1E+02	8.0E-07	8.6E-04
109-99-9	~Tetrahydrofuran	53	1.59	-	4.2E+02		7.6E-04
142-82-5	Heptane, N-	35	1.05	-	8.3E+01		2.5E-03
67-63-0	Isopropanol	140	4.2	-	4.2E+01		2.0E-02
78-93-3	Methyl Ethyl Ketone (2-Butanone)	33	0.99	-	1.0E+03		1.9E-04
75-09-2	Methylene Chloride	35	1.05	1.0E+02	1.3E+02	1.0E-08	1.7E-03
103-65-1	Propyl benzene	3.4	0.102	-	2.1E+02		9.8E-05
100-42-5	Styrene	21	0.63	-	2.1E+02		6.0E-04
127-18-4	Tetrachloroethylene	2.2	0.066	1.1E+01	8.3E+00	6.1E-09	1.6E-03
108-88-3	Toluene	310	9.3	-	1.0E+03		1.8E-03
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	2000	60	-	1.3E+02		9.6E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	770	23.1	-	2.1E+01		**2.2E-01**
E1790674	Total Petroleum Hydrocarbons (Aromatic	86	2.58	-	6.3E-01		**8.2E-01**
526-73-8	Trimethylbenzene, 1,2,3-	2.8	0.084	-	1.3E+01		1.3E-03
95-63-6	Trimethylbenzene, 1,2,4-	17	0.51	-	1.3E+01		8.2E-03
108-67-8	Trimethylbenzene, 1,3,5-	5.1	0.153	-	1.3E+01		2.4E-03
106-42-3	Xylene, P-	91	2.73	-	2.1E+01		2.6E-02
95-47-6	Xylene, o-	36	1.08	-	2.1E+01		1.0E-02
					Cumulative:	2.3E-06	**1.5E+00**

RISK CALCULATOR OUTPUTS

July 14, 2021

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-01 to SVP-04, DUP-1

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	28	0.84	-	6.5E+03		2.6E-05
108-88-3	Toluene	1.8	0.054	-	1.0E+03		1.0E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	310	9.3	-	1.3E+02		1.5E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	300	9	-	2.1E+01		8.6E-02
108-38-3	Xylene, m-	0.98	0.0294	-	2.1E+01		2.8E-04
95-47-6	Xylene, o-	0.47	0.0141	-	2.1E+01		1.4E-04
					Cumulative:	0.0E+00	1.0E-01

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-05

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	13	0.39	-	6.5E+03		1.2E-05
67-66-3	Chloroform	2.1	0.063	1.2E-01	2.0E+01	5.2E-07	6.2E-04
108-88-3	Toluene	0.93	0.0279	-	1.0E+03		5.4E-06
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	220	6.6	-	1.3E+02		1.1E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	240	7.2	-	2.1E+01		6.9E-02
106-42-3	Xylene, P-	0.9	0.027	-	2.1E+01		2.6E-04
					Cumulative:	5.2E-07	8.0E-02

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-06

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	24	0.72	-	6.5E+03		2.2E-05
67-66-3	Chloroform	40	1.2	1.2E-01	2.0E+01	**9.8E-06**	1.2E-02
127-18-4	Tetrachloroethylene	43	1.29	1.1E+01	8.3E+00	1.2E-07	3.1E-02
108-88-3	Toluene	0.99	0.0297	-	1.0E+03		5.7E-06
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	270	8.1	-	1.3E+02		1.3E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	410	12.3	-	2.1E+01		1.2E-01
75-69-4	Trichlorofluoromethane	2.5	0.075	-	-		

Cumulative:	9.9E-06	1.7E-01

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-07 to SVP-09

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	42	1.26	-	6.5E+03		3.9E-05
67-66-3	Chloroform	120	3.6	1.2E-01	2.0E+01	**2.9E-05**	3.5E-02
75-35-4	Dichloroethylene, 1,1-	0.75	0.0225	-	4.2E+01		1.1E-04
100-41-4	Ethylbenzene	1.3	0.039	1.1E+00	2.1E+02	3.5E-08	3.7E-05
91-20-3	~Naphthalene	1.2	0.036	8.3E-02	6.3E-01	4.4E-07	1.2E-02
127-18-4	Tetrachloroethylene	2.1	0.063	1.1E+01	8.3E+00	5.8E-09	1.5E-03
108-88-3	Toluene	0.93	0.0279	-	1.0E+03		5.4E-06
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	330	9.9	-	1.3E+02		1.6E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	300	9	-	2.1E+01		8.6E-02
E1790674	Total Petroleum Hydrocarbons (Aromatic	38	1.14	-	6.3E-01		**3.6E-01**
79-01-6	Trichloroethylene	36	1.08	4.8E-01	4.2E-01	**2.3E-06**	**5.2E-01**
95-63-6	Trimethylbenzene, 1,2,4-	6.2	0.186	-	1.3E+01		3.0E-03
108-67-8	Trimethylbenzene, 1,3,5-	2.1	0.063	-	1.3E+01		1.0E-03
106-42-3	Xylene, P-	8	0.24	-	2.1E+01		2.3E-03
95-47-6	Xylene, o-	5.2	0.156	-	2.1E+01		1.5E-03
					Cumulative:	3.2E-05	**1.0E+00**

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-14 and SVP-15

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	18	0.54	-	6.5E+03		1.7E-05
67-66-3	Chloroform	1.9	0.057	1.2E-01	2.0E+01	4.7E-07	5.6E-04
110-54-3	Hexane, N-	16	0.48	-	1.5E+02		6.6E-04
75-09-2	Methylene Chloride	9.7	0.291	1.0E+02	1.3E+02	2.9E-09	4.7E-04
108-88-3	Toluene	1.5	0.045	-	1.0E+03		8.6E-06
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	3500	105	-	1.3E+02		1.7E-01
E1790668	Total Petroleum Hydrocarbons (Aliphatic	540	16.2	-	2.1E+01		1.6E-01
106-42-3	Xylene, P-	1.4	0.042	-	2.1E+01		4.0E-04
95-47-6	Xylene, o-	0.64	0.0192	-	2.1E+01		1.8E-04
					Cumulative:	4.7E-07	3.3E-01

RISK CALCULATOR OUTPUTS

August 11, 2021

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-01 to SVP-04, DUP-1

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	19	0.57	-	6.5E+03		1.8E-05
71-43-2	Benzene	0.75	0.0225	3.6E-01	6.3E+00	6.3E-08	7.2E-04
74-83-9	Bromomethane	1.2	0.036	-	1.0E+00		6.9E-03
106-99-0	Butadiene, 1,3-	0.65	0.0195	9.4E-02	4.2E-01	2.1E-07	9.3E-03
56-23-5	Carbon Tetrachloride	1.4	0.042	4.7E-01	2.1E+01	9.0E-08	4.0E-04
108-90-7	Chlorobenzene	1.3	0.039	-	1.0E+01		7.5E-04
67-66-3	Chloroform	1.4	0.042	1.2E-01	2.0E+01	3.4E-07	4.1E-04
74-87-3	Chloromethane	0.99	0.0297	-	1.9E+01		3.2E-04
106-93-4	Dibromoethane, 1,2-	1.5	0.045	4.7E-03	1.9E+00	**9.6E-06**	4.8E-03
95-50-1	Dichlorobenzene, 1,2-	1.3	0.039	-	4.2E+01		1.9E-04
106-46-7	Dichlorobenzene, 1,4-	1.3	0.039	2.6E-01	1.7E+02	1.5E-07	4.7E-05
75-71-8	Dichlorodifluoromethane	3.2	0.096	-	2.1E+01		9.2E-04
75-34-3	Dichloroethane, 1,1-	1	0.03	1.8E+00	-	1.7E-08	
107-06-2	Dichloroethane, 1,2-	1.1	0.033	1.1E-01	1.5E+00	3.1E-07	4.5E-03
75-35-4	Dichloroethylene, 1,1-	0.98	0.0294	-	4.2E+01		1.4E-04
156-59-2	Dichloroethylene, cis-1,2-	1.1	0.033	-	-		
156-60-5	Dichloroethylene, trans-1,2-	0.84	0.0252	-	8.3E+00		6.0E-04
141-78-6	Ethyl Acetate	30	0.9	-	1.5E+01		1.2E-02
75-00-3	Ethyl Chloride (Chloroethane)	0.72	0.0216	-	2.1E+03		2.1E-06
100-41-4	Ethylbenzene	0.96	0.0288	1.1E+00	2.1E+02	2.6E-08	2.8E-05
87-68-3	Hexachlorobutadiene	2.3	0.069	1.3E-01	-	5.4E-07	
75-09-2	Methylene Chloride	9.7	0.291	1.0E+02	1.3E+02	2.9E-09	4.7E-04
91-20-3	~Naphthalene	1.5	0.045	8.3E-02	6.3E-01	5.4E-07	1.4E-02
100-42-5	Styrene	0.89	0.0267	-	2.1E+02		2.6E-05
79-34-5	Tetrachloroethane, 1,1,2,2-	1.4	0.042	4.8E-02	-	8.7E-07	
127-18-4	Tetrachloroethylene	1.6	0.048	1.1E+01	8.3E+00	4.4E-09	1.2E-03
108-88-3	Toluene	3	0.09	-	1.0E+03		1.7E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	290	8.7	-	1.3E+02		1.4E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	300	9	-	2.1E+01		8.6E-02
120-82-1	Trichlorobenzene, 1,2,4-	1.6	0.048	-	4.2E-01		2.3E-02
71-55-6	Trichloroethane, 1,1,1-	1.1	0.033	-	1.0E+03		6.3E-06
79-00-5	Trichloroethane, 1,1,2-	1.2	0.036	1.8E-01	4.2E-02	2.1E-07	1.7E-01
79-01-6	Trichloroethylene	1.6	0.048	4.8E-01	4.2E-01	1.0E-07	2.3E-02
95-63-6	Trimethylbenzene, 1,2,4-	1.1	0.033	-	1.3E+01		5.3E-04
75-01-4	Vinyl Chloride	0.75	0.0225	1.7E-01	2.1E+01	1.3E-07	2.2E-04
108-38-3	Xylene, m-	2.2	0.066	-	2.1E+01		6.3E-04
95-47-6	Xylene, o-	1	0.03	-	2.1E+01		2.9E-04

Cumulative:	1.3E-05	3.8E-01

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-05

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	23	0.69	-	6.5E+03		2.1E-05
67-66-3	Chloroform	6	0.18	1.2E-01	2.0E+01	**1.5E-06**	1.8E-03
75-71-8	Dichlorodifluoromethane	2.3	0.069	-	2.1E+01		6.6E-04
591-78-6	Hexanone, 2-	0.9	0.027	-	6.3E+00		8.6E-04
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	480	14.4	-	1.3E+02		2.3E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	220	6.6	-	2.1E+01		6.3E-02

Cumulative:	1.5E-06	9.0E-02

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-06

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
71-43-2	Benzene	0.64	0.0192	3.6E-01	6.3E+00	5.3E-08	6.1E-04
75-15-0	Carbon Disulfide	27	0.81	-	1.5E+02		1.1E-03
67-66-3	Chloroform	69	2.07	1.2E-01	2.0E+01	**1.7E-05**	2.0E-02
74-87-3	Chloromethane	0.96	0.0288	-	1.9E+01		3.1E-04
110-82-7	Cyclohexane	2.1	0.063	-	1.3E+03		1.0E-05
75-71-8	Dichlorodifluoromethane	2.5	0.075	-	2.1E+01		7.2E-04
127-18-4	Tetrachloroethylene	64	1.92	1.1E+01	8.3E+00	1.8E-07	4.6E-02
108-88-3	Toluene	0.77	0.0231	-	1.0E+03		4.4E-06
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	310	9.3	-	1.3E+02		1.5E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	430	12.9	-	2.1E+01		1.2E-01

Cumulative:	1.7E-05	2.1E-01

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-07 to SVP-09

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	43	1.29	-	6.5E+03		4.0E-05
74-83-9	Bromomethane	0.81	0.0243	-	1.0E+00		4.7E-03
67-66-3	Chloroform	36	1.08	1.2E-01	2.0E+01	**8.8E-06**	1.1E-02
74-87-3	Chloromethane	1.9	0.057	-	1.9E+01		6.1E-04
75-71-8	Dichlorodifluoromethane	3.1	0.093	-	2.1E+01		8.9E-04
75-00-3	Ethyl Chloride (Chloroethane)	0.53	0.0159	-	2.1E+03		1.5E-06
100-41-4	Ethylbenzene	1.9	0.057	1.1E+00	2.1E+02	5.1E-08	5.5E-05
591-78-6	Hexanone, 2-	1.4	0.042	-	6.3E+00		1.3E-03
1634-04-4	Methyl tert-Butyl Ether (MTBE)	0.92	0.0276	1.1E+01	6.3E+02	2.6E-09	8.8E-06
91-20-3	~Naphthalene	1.2	0.036	8.3E-02	6.3E-01	4.4E-07	1.2E-02
108-88-3	Toluene	3	0.09	-	1.0E+03		1.7E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	350	10.5	-	1.3E+02		1.7E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	250	7.5	-	2.1E+01		7.2E-02
79-01-6	Trichloroethylene	3.5	0.105	4.8E-01	4.2E-01	2.2E-07	5.0E-02
95-63-6	Trimethylbenzene, 1,2,4-	1	0.03	-	1.3E+01		4.8E-04
108-38-3	Xylene, m-	5	0.15	-	2.1E+01		1.4E-03
95-47-6	Xylene, o-	1.9	0.057	-	2.1E+01		5.5E-04

Cumulative:	9.6E-06	1.7E-01

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-14 and SVP-15

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	55	1.65	-	6.5E+03		5.1E-05
67-66-3	Chloroform	1.7	0.051	1.2E-01	2.0E+01	4.2E-07	5.0E-04
74-87-3	Chloromethane	1.3	0.039	-	1.9E+01		4.2E-04
75-71-8	Dichlorodifluoromethane	2.9	0.087	-	2.1E+01		8.3E-04
591-78-6	Hexanone, 2-	1.3	0.039	-	6.3E+00		1.2E-03
91-20-3	~Naphthalene	1	0.03	8.3E-02	6.3E-01	3.6E-07	9.6E-03
108-88-3	Toluene	1.5	0.045	-	1.0E+03		8.6E-06
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	580	17.4	-	1.3E+02		2.8E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	350	10.5	-	2.1E+01		1.0E-01
108-05-4	Vinyl Acetate	15	0.45	-	4.2E+01		2.2E-03

Cumulative:	7.8E-07	1.4E-01

RISK CALCULATOR OUTPUTS

August 25, 2021

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-01 to SVP-04, Dup-1

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	30	0.9	-	6.5E+03		2.8E-05
107-02-8	Acrolein	3.2	0.096	-	4.2E-03		**4.6E+00**
71-43-2	Benzene	1.2	0.036	3.6E-01	6.3E+00	1.0E-07	1.2E-03
104-51-8	Butylbenzene, n-	0.77	0.0231	-	-		
98-06-6	Butylbenzene, tert-	3.2	0.096	-	-		
67-66-3	Chloroform	0.82	0.0246	1.2E-01	2.0E+01	2.0E-07	2.4E-04
74-87-3	Chloromethane	0.54	0.0162	-	1.9E+01		1.7E-04
110-82-7	Cyclohexane	4.3	0.129	-	1.3E+03		2.1E-05
75-71-8	Dichlorodifluoromethane	2.6	0.078	-	2.1E+01		7.5E-04
156-59-2	Dichloroethylene, cis-1,2-	0.29	0.0087	-	-		
100-41-4	Ethylbenzene	0.56	0.0168	1.1E+00	2.1E+02	1.5E-08	1.6E-05
142-82-5	Heptane, N-	0.98	0.0294	-	8.3E+01		7.0E-05
110-54-3	Hexane, N-	5.9	0.177	-	1.5E+02		2.4E-04
591-78-6	Hexanone, 2-	1.1	0.033	-	6.3E+00		1.1E-03
67-63-0	Isopropanol	53	1.59	-	4.2E+01		7.6E-03
78-93-3	Methyl Ethyl Ketone (2-Butanone)	9.3	0.279	-	1.0E+03		5.4E-05
75-09-2	Methylene Chloride	2.4	0.072	1.0E+02	1.3E+02	7.1E-10	1.2E-04
91-20-3	~Naphthalene	2.6	0.078	8.3E-02	6.3E-01	9.4E-07	2.5E-02
100-42-5	Styrene	0.48	0.0144	-	2.1E+02		1.4E-05
127-18-4	Tetrachloroethylene	0.92	0.0276	1.1E+01	8.3E+00	2.6E-09	6.6E-04
108-88-3	Toluene	2.5	0.075	-	1.0E+03		1.4E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	550	16.5	-	1.3E+02		2.6E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	400	12	-	2.1E+01		1.2E-01
E1790674	Total Petroleum Hydrocarbons (Aromatic	26	0.78	-	6.3E-01		**2.5E-01**
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	2.1	0.063	-	1.0E+03		1.2E-05
79-01-6	Trichloroethylene	34	1.02	4.8E-01	4.2E-01	**2.1E-06**	**4.9E-01**
75-69-4	Trichlorofluoromethane	2	0.06	-	-		
95-63-6	Trimethylbenzene, 1,2,4-	2.4	0.072	-	1.3E+01		1.2E-03
108-67-8	Trimethylbenzene, 1,3,5-	0.57	0.0171	-	1.3E+01		2.7E-04
108-05-4	Vinyl Acetate	3.7	0.111	-	4.2E+01		5.3E-04
108-38-3	Xylene, m-	1.7	0.051	-	2.1E+01		4.9E-04
95-47-6	Xylene, o-	0.75	0.0225	-	2.1E+01		2.2E-04
					Cumulative:	3.4E-06	**5.5E+00**

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-05

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
71-43-2	Benzene	160	4.8	3.6E-01	6.3E+00	**1.3E-05**	1.5E-01
110-82-7	Cyclohexane	1300	39	-	1.3E+03		6.2E-03
75-71-8	Dichlorodifluoromethane	3.8	0.114	-	2.1E+01		1.1E-03
100-41-4	Ethylbenzene	40	1.2	1.1E+00	2.1E+02	**1.1E-06**	1.2E-03
142-82-5	Heptane, N-	1700	51	-	8.3E+01		1.2E-01
110-54-3	Hexane, N-	6900	207	-	1.5E+02		**2.8E-01**
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	68000	2040	-	1.3E+02		**3.3E+00**
E1790668	Total Petroleum Hydrocarbons (Aliphatic	1000	30	-	2.1E+01		**2.9E-01**
95-63-6	Trimethylbenzene, 1,2,4-	3.9	0.117	-	1.3E+01		1.9E-03
108-38-3	Xylene, m-	24	0.72	-	2.1E+01		6.9E-03
					Cumulative:	1.4E-05	**4.1E+00**

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-06

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	34	1.02	-	6.5E+03		3.2E-05
71-43-2	Benzene	0.81	0.0243	3.6E-01	6.3E+00	6.8E-08	7.8E-04
98-06-6	Butylbenzene, tert-	3.1	0.093	-	-		
75-15-0	Carbon Disulfide	29	0.87	-	1.5E+02		1.2E-03
67-66-3	Chloroform	43	1.29	1.2E-01	2.0E+01	**1.1E-05**	1.3E-02
110-54-3	Hexane, N-	3.6	0.108	-	1.5E+02		1.5E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	5.1	0.153	-	1.0E+03		2.9E-05
75-09-2	Methylene Chloride	1.8	0.054	1.0E+02	1.3E+02	5.3E-10	8.6E-05
91-20-3	~Naphthalene	0.9	0.027	8.3E-02	6.3E-01	3.3E-07	8.6E-03
100-42-5	Styrene	0.39	0.0117	-	2.1E+02		1.1E-05
127-18-4	Tetrachloroethylene	67	2.01	1.1E+01	8.3E+00	1.9E-07	4.8E-02
108-88-3	Toluene	1.3	0.039	-	1.0E+03		7.5E-06
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	480	14.4	-	1.3E+02		2.3E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	710	21.3	-	2.1E+01		**2.0E-01**
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	2.8	0.084	-	1.0E+03		1.6E-05
75-69-4	Trichlorofluoromethane	2.4	0.072	-	-		
106-42-3	Xylene, P-	0.54	0.0162	-	2.1E+01		1.6E-04
95-47-6	Xylene, o-	0.35	0.0105	-	2.1E+01		1.0E-04

Cumulative:	1.1E-05	3.0E-01

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-07 to SVP-09

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
71-43-2	Benzene	4.4	0.132	3.6E-01	6.3E+00	3.7E-07	4.2E-03
98-06-6	Butylbenzene, tert-	3.5	0.105	-	-		
75-15-0	Carbon Disulfide	1.8	0.054	-	1.5E+02		7.4E-05
67-66-3	Chloroform	35	1.05	1.2E-01	2.0E+01	**8.6E-06**	1.0E-02
110-82-7	Cyclohexane	32	0.96	-	1.3E+03		1.5E-04
75-71-8	Dichlorodifluoromethane	2.6	0.078	-	2.1E+01		7.5E-04
100-41-4	Ethylbenzene	1.2	0.036	1.1E+00	2.1E+02	3.2E-08	3.5E-05
142-82-5	Heptane, N-	38	1.14	-	8.3E+01		2.7E-03
110-54-3	Hexane, N-	170	5.1	-	1.5E+02		7.0E-03
591-78-6	Hexanone, 2-	1..6		-	6.3E+00		
78-93-3	Methyl Ethyl Ketone (2-Butanone)	6.2	0.186	-	1.0E+03		3.6E-05
75-09-2	Methylene Chloride	2.9	0.087	1.0E+02	1.3E+02	8.6E-10	1.4E-04
91-20-3	~Naphthalene	1.2	0.036	8.3E-02	6.3E-01	4.4E-07	1.2E-02
100-42-5	Styrene	0.46	0.0138	-	2.1E+02		1.3E-05
127-18-4	Tetrachloroethylene	0.54	0.0162	1.1E+01	8.3E+00	1.5E-09	3.9E-04
108-88-3	Toluene	2.2	0.066	-	1.0E+03		1.3E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	2000	60	-	1.3E+02		9.6E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	510	15.3	-	2.1E+01		1.5E-01
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	1.8	0.054	-	1.0E+03		1.0E-05
75-69-4	Trichlorofluoromethane	1.8	0.054	-	-		
95-63-6	Trimethylbenzene, 1,2,4-	0.49	0.0147	-	1.3E+01		2.3E-04
106-42-3	Xylene, P-	1.6	0.048	-	2.1E+01		4.6E-04
95-47-6	Xylene, o-	0.45	0.0135	-	2.1E+01		1.3E-04
					Cumulative:	9.4E-06	2.8E-01

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-14 and SVP-15

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	15	0.45	-	6.5E+03		1.4E-05
71-43-2	Benzene	0.49	0.0147	3.6E-01	6.3E+00	4.1E-08	4.7E-04
98-06-6	Butylbenzene, tert-	3.6	0.108	-	-		
67-66-3	Chloroform	1.5	0.045	1.2E-01	2.0E+01	3.7E-07	4.4E-04
75-71-8	Dichlorodifluoromethane	2.3	0.069	-	2.1E+01		6.6E-04
141-78-6	Ethyl Acetate	9.8	0.294	-	1.5E+01		4.0E-03
100-41-4	Ethylbenzene	0.38	0.0114	1.1E+00	2.1E+02	1.0E-08	1.1E-05
110-54-3	Hexane, N-	2.8	0.084	-	1.5E+02		1.2E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	3.8	0.114	-	1.0E+03		2.2E-05
91-20-3	~Naphthalene	1.6	0.048	8.3E-02	6.3E-01	5.8E-07	1.5E-02
100-42-5	Styrene	0.6	0.018	-	2.1E+02		1.7E-05
108-88-3	Toluene	4.4	0.132	-	1.0E+03		2.5E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	340	10.2	-	1.3E+02		1.6E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	540	16.2	-	2.1E+01		1.6E-01
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.86	0.0258	-	1.0E+03		4.9E-06
75-69-4	Trichlorofluoromethane	1.8	0.054	-	-		
95-63-6	Trimethylbenzene, 1,2,4-	0.94	0.0282	-	1.3E+01		4.5E-04
106-42-3	Xylene, P-	1.5	0.045	-	2.1E+01		4.3E-04
95-47-6	Xylene, o-	0.69	0.0207	-	2.1E+01		2.0E-04
					Cumulative:	1.0E-06	1.9E-01

RISK CALCULATOR OUTPUTS

September 1, 2021

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-01 to SVP-04, DUP-1

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	21	0.63	-	6.5E+03		1.9E-05
107-02-8	Acrolein	2.7	0.081	-	4.2E-03		**3.9E+00**
71-43-2	Benzene	2.8	0.084	3.6E-01	6.3E+00	2.3E-07	2.7E-03
75-27-4	Bromodichloromethane	0.56	0.0168	7.6E-02	-	2.2E-07	
75-25-2	Bromoform	0.74	0.0222	2.6E+00	-	8.7E-09	
74-83-9	Bromomethane	0.73	0.0219	-	1.0E+00		4.2E-03
56-23-5	Carbon Tetrachloride	0.53	0.0159	4.7E-01	2.1E+01	3.4E-08	1.5E-04
108-90-7	Chlorobenzene	0.52	0.0156	-	1.0E+01		3.0E-04
67-66-3	Chloroform	0.86	0.0258	1.2E-01	2.0E+01	2.1E-07	2.5E-04
74-87-3	Chloromethane	0.9	0.027	-	1.9E+01		2.9E-04
110-82-7	Cyclohexane	1.6	0.048	-	1.3E+03		7.7E-06
124-48-1	Dibromochloromethane	0.65	0.0195	-	-		
106-93-4	Dibromoethane, 1,2-	0.58	0.0174	4.7E-03	1.9E+00	**3.7E-06**	1.9E-03
95-50-1	Dichlorobenzene, 1,2-	0.46	0.0138	-	4.2E+01		6.6E-05
75-71-8	Dichlorodifluoromethane	2.4	0.072	-	2.1E+01		6.9E-04
75-34-3	Dichloroethane, 1,1-	0.37	0.0111	1.8E+00	-	6.3E-09	
107-06-2	Dichloroethane, 1,2-	0.6	0.018	1.1E-01	1.5E+00	1.7E-07	2.5E-03
75-35-4	Dichloroethylene, 1,1-	0.35	0.0105	-	4.2E+01		5.0E-05
156-59-2	Dichloroethylene, cis-1,2-	0.32	0.0096	-	-		
156-60-5	Dichloroethylene, trans-1,2-	0.33	0.0099	-	8.3E+00		2.4E-04
78-87-5	Dichloropropane, 1,2-	0.48	0.0144	7.6E-01	8.3E-01	1.9E-08	3.5E-03
141-78-6	Ethyl Acetate	7.4	0.222	-	1.5E+01		3.0E-03
75-00-3	Ethyl Chloride (Chloroethane)	0.52	0.0156	-	2.1E+03		1.5E-06
100-41-4	Ethylbenzene	0.68	0.0204	1.1E+00	2.1E+02	1.8E-08	2.0E-05
142-82-5	Heptane, N-	1.2	0.036	-	8.3E+01		8.6E-05
110-54-3	Hexane, N-	4.5	0.135	-	1.5E+02		1.8E-04
591-78-6	Hexanone, 2-	0.7	0.021	-	6.3E+00		6.7E-04
67-63-0	Isopropanol	5.7	0.171	-	4.2E+01		8.2E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	5.9	0.177	-	1.0E+03		3.4E-05
108-10-1	Methyl Isobutyl Ketone (4-methyl-2-pentanone)	2.2	0.066	-	6.3E+02		2.1E-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)	0.33	0.0099	1.1E+01	6.3E+02	9.2E-10	3.2E-06
75-09-2	Methylene Chloride	6.8	0.204	1.0E+02	1.3E+02	2.0E-09	3.3E-04
91-20-3	~Naphthalene	1.3	0.039	8.3E-02	6.3E-01	4.7E-07	1.2E-02
100-42-5	Styrene	1.2	0.036	-	2.1E+02		3.5E-05
79-34-5	Tetrachloroethane, 1,1,2,2-	0.52	0.0156	4.8E-02	-	3.2E-07	
127-18-4	Tetrachloroethylene	0.81	0.0243	1.1E+01	8.3E+00	2.3E-09	5.8E-04
108-88-3	Toluene	12	0.36	-	1.0E+03		6.9E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	41	1.23	-	1.3E+02		2.0E-03
E1790668	Total Petroleum Hydrocarbons (Aliphatic	39	1.17	-	2.1E+01		1.1E-02
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	1.3	0.039	-	1.0E+03		7.5E-06
79-00-5	Trichloroethane, 1,1,2-	0.46	0.0138	1.8E-01	4.2E-02	7.9E-08	6.6E-02
79-01-6	Trichloroethylene	0.64	0.0192	4.8E-01	4.2E-01	4.0E-08	9.2E-03
75-69-4	Trichlorofluoromethane	1.8	0.054	-	-		
95-63-6	Trimethylbenzene, 1,2,4-	1.1	0.033	-	1.3E+01		5.3E-04
108-67-8	Trimethylbenzene, 1,3,5-	0.47	0.0141	-	1.3E+01		2.3E-04
108-05-4	Vinyl Acetate	7.1	0.213	-	4.2E+01		1.0E-03
75-01-4	Vinyl Chloride	0.27	0.0081	1.7E-01	2.1E+01	4.8E-08	7.8E-05
106-42-3	Xylene, P-	1.7	0.051	-	2.1E+01		4.9E-04
95-47-6	Xylene, o-	0.66	0.0198	-	2.1E+01		1.9E-04
					Cumulative:	5.6E-06	**4.0E+00**

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-05

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	12	0.36	-	6.5E+03		1.1E-05
71-43-2	Benzene	0.63	0.0189	3.6E-01	6.3E+00	5.3E-08	6.0E-04
75-15-0	Carbon Disulfide	1.7	0.051	-	1.5E+02		7.0E-05
56-23-5	Carbon Tetrachloride	0.4	0.012	4.7E-01	2.1E+01	2.6E-08	1.2E-04
67-66-3	Chloroform	8.5	0.255	1.2E-01	2.0E+01	**2.1E-06**	2.5E-03
74-87-3	Chloromethane	0.46	0.0138	-	1.9E+01		1.5E-04
75-71-8	Dichlorodifluoromethane	2.3	0.069	-	2.1E+01		6.6E-04
100-41-4	Ethylbenzene	0.35	0.0105	1.1E+00	2.1E+02	9.3E-09	1.0E-05
142-82-5	Heptane, N-	0.34	0.0102	-	8.3E+01		2.4E-05
591-78-6	Hexanone, 2-	0.7	0.021	-	6.3E+00		6.7E-04
67-63-0	Isopropanol	13	0.39	-	4.2E+01		1.9E-03
78-93-3	Methyl Ethyl Ketone (2-Butanone)	3.9	0.117	-	1.0E+03		2.2E-05
108-10-1	Methyl Isobutyl Ketone (4-methyl-2-pentanone)	0.49	0.0147	-	6.3E+02		4.7E-06
91-20-3	~Naphthalene	0.78	0.0234	8.3E-02	6.3E-01	2.8E-07	7.5E-03
100-42-5	Styrene	0.31	0.0093	-	2.1E+02		8.9E-06
127-18-4	Tetrachloroethylene	1	0.03	1.1E+01	8.3E+00	2.8E-09	7.2E-04
108-88-3	Toluene	1.1	0.033	-	1.0E+03		6.3E-06
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	32	0.96	-	1.3E+02		1.5E-03
E1790668	Total Petroleum Hydrocarbons (Aliphatic	28	0.84	-	2.1E+01		8.1E-03
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.86	0.0258	-	1.0E+03		4.9E-06
75-69-4	Trichlorofluoromethane	1.8	0.054	-	-		
95-63-6	Trimethylbenzene, 1,2,4-	0.41	0.0123	-	1.3E+01		2.0E-04
108-05-4	Vinyl Acetate	2.5	0.075	-	4.2E+01		3.6E-04
106-42-3	Xylene, P-	0.71	0.0213	-	2.1E+01		2.0E-04
95-47-6	Xylene, o-	0.35	0.0105	-	2.1E+01		1.0E-04
					Cumulative:	2.5E-06	2.5E-02

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-06

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	26	0.78	-	6.5E+03		2.4E-05
107-02-8	Acrolein	4.3	0.129	-	4.2E-03		**6.2E+00**
71-43-2	Benzene	3.4	0.102	3.6E-01	6.3E+00	2.8E-07	3.3E-03
75-27-4	Bromodichloromethane	0.59	0.0177	7.6E-02	-	2.3E-07	
75-15-0	Carbon Disulfide	8	0.24	-	1.5E+02		3.3E-04
56-23-5	Carbon Tetrachloride	0.68	0.0204	4.7E-01	2.1E+01	4.4E-08	2.0E-04
108-90-7	Chlorobenzene	0.42	0.0126	-	1.0E+01		2.4E-04
67-66-3	Chloroform	23	0.69	1.2E-01	2.0E+01	**5.7E-06**	6.8E-03
74-87-3	Chloromethane	1.9	0.057	-	1.9E+01		6.1E-04
106-93-4	Dibromoethane, 1,2-	0.43	0.0129	4.7E-03	1.9E+00	**2.8E-06**	1.4E-03
75-71-8	Dichlorodifluoromethane	2.6	0.078	-	2.1E+01		7.5E-04
75-34-3	Dichloroethane, 1,1-	0.31	0.0093	1.8E+00	-	5.3E-09	
107-06-2	Dichloroethane, 1,2-	0.4	0.012	1.1E-01	1.5E+00	1.1E-07	1.6E-03
75-35-4	Dichloroethylene, 1,1-	0.33	0.0099	-	4.2E+01		4.7E-05
156-59-2	Dichloroethylene, cis-1,2-	0.29	0.0087	-	-		
78-87-5	Dichloropropane, 1,2-	0.37	0.0111	7.6E-01	8.3E-01	1.5E-08	2.7E-03
75-00-3	Ethyl Chloride (Chloroethane)	0.42	0.0126	-	2.1E+03		1.2E-06
100-41-4	Ethylbenzene	9.5	0.285	1.1E+00	2.1E+02	2.5E-07	2.7E-04
142-82-5	Heptane, N-	0.51	0.0153	-	8.3E+01		3.7E-05
591-78-6	Hexanone, 2-	0.95	0.0285	-	6.3E+00		9.1E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	4.8	0.144	-	1.0E+03		2.8E-05
108-10-1	Methyl Isobutyl Ketone (4-methyl-2-pentanone)	0.79	0.0237	-	6.3E+02		7.6E-06
1634-04-4	Methyl tert-Butyl Ether (MTBE)	0.32	0.0096	1.1E+01	6.3E+02	8.9E-10	3.1E-06
75-09-2	Methylene Chloride	2.1	0.063	1.0E+02	1.3E+02	6.2E-10	1.0E-04
91-20-3	~Naphthalene	0.9	0.027	8.3E-02	6.3E-01	3.3E-07	8.6E-03
100-42-5	Styrene	0.7	0.021	-	2.1E+02		2.0E-05
127-18-4	Tetrachloroethylene	29	0.87	1.1E+01	8.3E+00	8.1E-08	2.1E-02
108-88-3	Toluene	45	1.35	-	1.0E+03		2.6E-04
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	160	4.8	-	1.3E+02		7.7E-03
E1790668	Total Petroleum Hydrocarbons (Aliphatic	89	2.67	-	2.1E+01		2.6E-02
E1790674	Total Petroleum Hydrocarbons (Aromatic	9.6	0.288	-	6.3E-01		9.2E-02
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	1.1	0.033	-	1.0E+03		6.3E-06
79-01-6	Trichloroethylene	0.47	0.0141	4.8E-01	4.2E-01	2.9E-08	6.8E-03
75-69-4	Trichlorofluoromethane	2	0.06	-	-		
526-73-8	Trimethylbenzene, 1,2,3-	1.2	0.036	-	1.3E+01		5.8E-04
95-63-6	Trimethylbenzene, 1,2,4-	6.8	0.204	-	1.3E+01		3.3E-03
108-67-8	Trimethylbenzene, 1,3,5-	3.2	0.096	-	1.3E+01		1.5E-03
108-05-4	Vinyl Acetate	6.7	0.201	-	4.2E+01		9.6E-04
75-01-4	Vinyl Chloride	0.21	0.0063	1.7E-01	2.1E+01	3.8E-08	6.0E-05
106-42-3	Xylene, P-	31	0.93	-	2.1E+01		8.9E-03
95-47-6	Xylene, o-	14	0.42	-	2.1E+01		4.0E-03
					Cumulative:	9.8E-06	**6.4E+00**

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: CVP-07 to SVP-09

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	32	0.96	-	6.5E+03		3.0E-05
107-02-8	Acrolein	4.1	0.123	-	4.2E-03		**5.9E+00**
71-43-2	Benzene	1.3	0.039	3.6E-01	6.3E+00	1.1E-07	1.2E-03
75-15-0	Carbon Disulfide	1.8	0.054	-	1.5E+02		7.4E-05
56-23-5	Carbon Tetrachloride	0.63	0.0189	4.7E-01	2.1E+01	4.0E-08	1.8E-04
108-90-7	Chlorobenzene	0.33	0.0099	-	1.0E+01		1.9E-04
67-66-3	Chloroform	25	0.75	1.2E-01	2.0E+01	**6.1E-06**	7.3E-03
74-87-3	Chloromethane	0.99	0.0297	-	1.9E+01		3.2E-04
110-82-7	Cyclohexane	0.8	0.024	-	1.3E+03		3.8E-06
75-71-8	Dichlorodifluoromethane	2.6	0.078	-	2.1E+01		7.5E-04
100-41-4	Ethylbenzene	0.31	0.0093	1.1E+00	2.1E+02	8.3E-09	8.9E-06
591-78-6	Hexanone, 2-	1.2	0.036	-	6.3E+00		1.2E-03
67-63-0	Isopropanol	100	3	-	4.2E+01		1.4E-02
78-93-3	Methyl Ethyl Ketone (2-Butanone)	4.8	0.144	-	1.0E+03		2.8E-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)	0.35	0.0105	1.1E+01	6.3E+02	9.7E-10	3.4E-06
91-20-3	~Naphthalene	0.84	0.0252	8.3E-02	6.3E-01	3.1E-07	8.1E-03
100-42-5	Styrene	0.44	0.0132	-	2.1E+02		1.3E-05
108-88-3	Toluene	1.1	0.033	-	1.0E+03		6.3E-06
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	64	1.92	-	1.3E+02		3.1E-03
E1790668	Total Petroleum Hydrocarbons (Aliphatic	49	1.47	-	2.1E+01		1.4E-02
E1790674	Total Petroleum Hydrocarbons (Aromatic	50	1.5	-	6.3E-01		**4.8E-01**
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	1.2	0.036	-	1.0E+03		6.9E-06
75-69-4	Trichlorofluoromethane	2	0.06	-	-		
95-63-6	Trimethylbenzene, 1,2,4-	1	0.03	-	1.3E+01		4.8E-04
108-67-8	Trimethylbenzene, 1,3,5-	0.33	0.0099	-	1.3E+01		1.6E-04
108-05-4	Vinyl Acetate	6.4	0.192	-	4.2E+01		9.2E-04
106-42-3	Xylene, P-	1	0.03	-	2.1E+01		2.9E-04
95-47-6	Xylene, o-	0.5	0.015	-	2.1E+01		1.4E-04
					Cumulative:	6.6E-06	**6.4E+00**

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-14 and SVP-15

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	15	0.45	-	6.5E+03		1.4E-05
71-43-2	Benzene	0.35	0.0105	3.6E-01	6.3E+00	2.9E-08	3.4E-04
75-15-0	Carbon Disulfide	1.7	0.051	-	1.5E+02		7.0E-05
108-90-7	Chlorobenzene	0.37	0.0111	-	1.0E+01		2.1E-04
67-66-3	Chloroform	1.1	0.033	1.2E-01	2.0E+01	2.7E-07	3.2E-04
74-87-3	Chloromethane	0.64	0.0192	-	1.9E+01		2.0E-04
110-82-7	Cyclohexane	0.74	0.0222	-	1.3E+03		3.5E-06
75-71-8	Dichlorodifluoromethane	2.5	0.075	-	2.1E+01		7.2E-04
100-41-4	Ethylbenzene	0.5	0.015	1.1E+00	2.1E+02	1.3E-08	1.4E-05
591-78-6	Hexanone, 2-	0.54	0.0162	-	6.3E+00		5.2E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	4.3	0.129	-	1.0E+03		2.5E-05
91-20-3	~Naphthalene	0.88	0.0264	8.3E-02	6.3E-01	3.2E-07	8.4E-03
100-42-5	Styrene	0.31	0.0093	-	2.1E+02		8.9E-06
108-88-3	Toluene	2	0.06	-	1.0E+03		1.2E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	35	1.05	-	1.3E+02		1.7E-03
E1790668	Total Petroleum Hydrocarbons (Aliphatic	56	1.68	-	2.1E+01		1.6E-02
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.86	0.0258	-	1.0E+03		4.9E-06
75-69-4	Trichlorofluoromethane	1.8	0.054	-	-		
95-63-6	Trimethylbenzene, 1,2,4-	0.87	0.0261	-	1.3E+01		4.2E-04
108-05-4	Vinyl Acetate	3	0.09	-	4.2E+01		4.3E-04
106-42-3	Xylene, P-	1.3	0.039	-	2.1E+01		3.7E-04
95-47-6	Xylene, o-	0.54	0.0162	-	2.1E+01		1.6E-04
					Cumulative:	6.3E-07	3.0E-02

RISK CALCULATOR OUTPUTS

September 10, 2021

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-01 to SVP-04, DUP-1

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	32	0.96	-	6.5E+03		3.0E-05
107-02-8	Acrolein	3	0.09	-	4.2E-03		**4.3E+00**
71-43-2	Benzene	0.66	0.0198	3.6E-01	6.3E+00	5.5E-08	6.3E-04
67-66-3	Chloroform	0.76	0.0228	1.2E-01	2.0E+01	1.9E-07	2.2E-04
75-71-8	Dichlorodifluoromethane	1.9	0.057	-	2.1E+01		5.5E-04
100-41-4	Ethylbenzene	1.8	0.054	1.1E+00	2.1E+02	4.8E-08	5.2E-05
110-54-3	Hexane, N-	21	0.63	-	1.5E+02		8.6E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	4.4	0.132	-	1.0E+03		2.5E-05
75-09-2	Methylene Chloride	90	2.7	1.0E+02	1.3E+02	2.7E-08	4.3E-03
91-20-3	~Naphthalene	9.5	0.285	8.3E-02	6.3E-01	**3.5E-06**	9.1E-02
100-42-5	Styrene	0.31	0.0093	-	2.1E+02		8.9E-06
127-18-4	Tetrachloroethylene	0.6	0.018	1.1E+01	8.3E+00	1.7E-09	4.3E-04
108-88-3	Toluene	3.5	0.105	-	1.0E+03		2.0E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	680	20.4	-	1.3E+02		3.3E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	410	12.3	-	2.1E+01		1.2E-01
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.6	0.108	-	1.0E+03		2.1E-05
79-01-6	Trichloroethylene	1.6	0.048	4.8E-01	4.2E-01	1.0E-07	2.3E-02
75-69-4	Trichlorofluoromethane	2.2	0.066	-	-		
526-73-8	Trimethylbenzene, 1,2,3-	0.92	0.0276	-	1.3E+01		4.4E-04
108-67-8	Trimethylbenzene, 1,3,5-	1	0.03	-	1.3E+01		4.8E-04
106-42-3	Xylene, P-	4.9	0.147	-	2.1E+01		1.4E-03
95-47-6	Xylene, o-	1.8	0.054	-	2.1E+01		5.2E-04
					Cumulative:	3.9E-06	**4.6E+00**

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-05

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	17	0.51	-	6.5E+03		1.6E-05
71-43-2	Benzene	0.84	0.0252	3.6E-01	6.3E+00	7.0E-08	8.1E-04
56-23-5	Carbon Tetrachloride	0.55	0.0165	4.7E-01	2.1E+01	3.5E-08	1.6E-04
67-66-3	Chloroform	8.3	0.249	1.2E-01	2.0E+01	**2.0E-06**	2.4E-03
106-93-4	Dibromoethane, 1,2-	0.46	0.0138	4.7E-03	1.9E+00	**2.9E-06**	1.5E-03
100-41-4	Ethylbenzene	0.87	0.0261	1.1E+00	2.1E+02	2.3E-08	2.5E-05
78-93-3	Methyl Ethyl Ketone (2-Butanone)	4	0.12	-	1.0E+03		2.3E-05
75-09-2	Methylene Chloride	6.9	0.207	1.0E+02	1.3E+02	2.0E-09	3.3E-04
91-20-3	~Naphthalene	1.2	0.036	8.3E-02	6.3E-01	4.4E-07	1.2E-02
127-18-4	Tetrachloroethylene	0.79	0.0237	1.1E+01	8.3E+00	2.2E-09	5.7E-04
108-88-3	Toluene	3.3	0.099	-	1.0E+03		1.9E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	850	25.5	-	1.3E+02		4.1E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	430	12.9	-	2.1E+01		1.2E-01
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	4.9	0.147	-	1.0E+03		2.8E-05
75-69-4	Trichlorofluoromethane	2.8	0.084	-	-		
108-67-8	Trimethylbenzene, 1,3,5-	0.43	0.0129	-	1.3E+01		2.1E-04
106-42-3	Xylene, P-	2.6	0.078	-	2.1E+01		7.5E-04
95-47-6	Xylene, o-	0.9	0.027	-	2.1E+01		2.6E-04
					Cumulative:	5.6E-06	1.8E-01

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-06

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	25	0.75	-	6.5E+03		2.3E-05
107-02-8	Acrolein	5.4	0.162	-	4.2E-03		**7.8E+00**
71-43-2	Benzene	0.68	0.0204	3.6E-01	6.3E+00	5.7E-08	6.5E-04
75-15-0	Carbon Disulfide	11	0.33	-	1.5E+02		4.5E-04
67-66-3	Chloroform	31	0.93	1.2E-01	2.0E+01	**7.6E-06**	9.1E-03
75-71-8	Dichlorodifluoromethane	2	0.06	-	2.1E+01		5.8E-04
100-41-4	Ethylbenzene	0.66	0.0198	1.1E+00	2.1E+02	1.8E-08	1.9E-05
110-54-3	Hexane, N-	18	0.54	-	1.5E+02		7.4E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	6.5	0.195	-	1.0E+03		3.7E-05
75-09-2	Methylene Chloride	74	2.22	1.0E+02	1.3E+02	2.2E-08	3.5E-03
91-20-3	~Naphthalene	0.88	0.0264	8.3E-02	6.3E-01	3.2E-07	8.4E-03
100-42-5	Styrene	0.27	0.0081	-	2.1E+02		7.8E-06
127-18-4	Tetrachloroethylene	38	1.14	1.1E+01	8.3E+00	1.1E-07	2.7E-02
108-88-3	Toluene	2.5	0.075	-	1.0E+03		1.4E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	350	10.5	-	1.3E+02		1.7E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	360	10.8	-	2.1E+01		1.0E-01
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.86	0.0258	-	1.0E+03		4.9E-06
79-01-6	Trichloroethylene	0.41	0.0123	4.8E-01	4.2E-01	2.6E-08	5.9E-03
75-69-4	Trichlorofluoromethane	1.6	0.048	-	-		
106-42-3	Xylene, P-	1.9	0.057	-	2.1E+01		5.5E-04
95-47-6	Xylene, o-	0.73	0.0219	-	2.1E+01		2.1E-04
					Cumulative:	8.2E-06	**7.9E+00**

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-07 to SVP-09

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	21	0.63	-	6.5E+03		1.9E-05
107-02-8	Acrolein	3.7	0.111	-	4.2E-03		**5.3E+00**
71-43-2	Benzene	1.2	0.036	3.6E-01	6.3E+00	1.0E-07	1.2E-03
75-27-4	Bromodichloromethane	0.72	0.0216	7.6E-02	-	2.8E-07	
56-23-5	Carbon Tetrachloride	0.78	0.0234	4.7E-01	2.1E+01	5.0E-08	2.2E-04
67-66-3	Chloroform	16	0.48	1.2E-01	2.0E+01	**3.9E-06**	4.7E-03
124-48-1	Dibromochloromethane	0.72	0.0216	-	-		
106-93-4	Dibromoethane, 1,2-	0.61	0.0183	4.7E-03	1.9E+00	**3.9E-06**	1.9E-03
95-50-1	Dichlorobenzene, 1,2-	0.58	0.0174	-	4.2E+01		8.3E-05
106-46-7	Dichlorobenzene, 1,4-	0.55	0.0165	2.6E-01	1.7E+02	6.5E-08	2.0E-05
75-71-8	Dichlorodifluoromethane	2	0.06	-	2.1E+01		5.8E-04
156-59-2	Dichloroethylene, cis-1,2-	0.4	0.012	-	-		
100-41-4	Ethylbenzene	1.1	0.033	1.1E+00	2.1E+02	2.9E-08	3.2E-05
142-82-5	Heptane, N-	1	0.03	-	8.3E+01		7.2E-05
78-93-3	Methyl Ethyl Ketone (2-Butanone)	3.2	0.096	-	1.0E+03		1.8E-05
75-09-2	Methylene Chloride	20	0.6	1.0E+02	1.3E+02	5.9E-09	9.6E-04
91-20-3	~Naphthalene	1.3	0.039	8.3E-02	6.3E-01	4.7E-07	1.2E-02
100-42-5	Styrene	0.58	0.0174	-	2.1E+02		1.7E-05
127-18-4	Tetrachloroethylene	0.81	0.0243	1.1E+01	8.3E+00	2.3E-09	5.8E-04
108-88-3	Toluene	4.7	0.141	-	1.0E+03		2.7E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	360	10.8	-	1.3E+02		1.7E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	340	10.2	-	2.1E+01		9.8E-02
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	1.8	0.054	-	1.0E+03		1.0E-05
71-55-6	Trichloroethane, 1,1,1-	0.76	0.0228	-	1.0E+03		4.4E-06
79-01-6	Trichloroethylene	1.6	0.048	4.8E-01	4.2E-01	1.0E-07	2.3E-02
75-69-4	Trichlorofluoromethane	1.7	0.051	-	-		
95-63-6	Trimethylbenzene, 1,2,4-	0.87	0.0261	-	1.3E+01		4.2E-04
108-67-8	Trimethylbenzene, 1,3,5-	0.57	0.0171	-	1.3E+01		2.7E-04
106-42-3	Xylene, P-	3.4	0.102	-	2.1E+01		9.8E-04
95-47-6	Xylene, o-	1.2	0.036	-	2.1E+01		3.5E-04
					Cumulative:	9.0E-06	**5.5E+00**

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-14 and SVP-15

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	36	1.08	-	6.5E+03		3.3E-05
107-02-8	Acrolein	6.4	0.192	-	4.2E-03		**9.2E+00**
71-43-2	Benzene	1.1	0.033	3.6E-01	6.3E+00	9.2E-08	1.1E-03
67-66-3	Chloroform	0.78	0.0234	1.2E-01	2.0E+01	1.9E-07	2.3E-04
75-71-8	Dichlorodifluoromethane	1.9	0.057	-	2.1E+01		5.5E-04
100-41-4	Ethylbenzene	1.5	0.045	1.1E+00	2.1E+02	4.0E-08	4.3E-05
142-82-5	Heptane, N-	0.98	0.0294	-	8.3E+01		7.0E-05
78-93-3	Methyl Ethyl Ketone (2-Butanone)	6.2	0.186	-	1.0E+03		3.6E-05
75-09-2	Methylene Chloride	9.9	0.297	1.0E+02	1.3E+02	2.9E-09	4.7E-04
91-20-3	~Naphthalene	1.5	0.045	8.3E-02	6.3E-01	5.4E-07	1.4E-02
100-42-5	Styrene	0.34	0.0102	-	2.1E+02		9.8E-06
108-88-3	Toluene	6.8	0.204	-	1.0E+03		3.9E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	540	16.2	-	1.3E+02		2.6E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	450	13.5	-	2.1E+01		1.3E-01
79-01-6	Trichloroethylene	14	0.42	4.8E-01	4.2E-01	8.8E-07	**2.0E-01**
75-69-4	Trichlorofluoromethane	1.4	0.042	-	-		
108-67-8	Trimethylbenzene, 1,3,5-	0.55	0.0165	-	1.3E+01		2.6E-04
106-42-3	Xylene, P-	4.5	0.135	-	2.1E+01		1.3E-03
95-47-6	Xylene, o-	1.5	0.045	-	2.1E+01		4.3E-04
					Cumulative:	1.7E-06	**9.6E+00**

RISK CALCULATOR OUTPUTS

September 15, 2021

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-01 to SVP-04, DUP-1

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	31	0.93	-	6.5E+03		2.9E-05
71-43-2	Benzene	0.64	0.0192	3.6E-01	6.3E+00	5.3E-08	6.1E-04
75-27-4	Bromodichloromethane	0.62	0.0186	7.6E-02	-	2.5E-07	
75-25-2	Bromoform	1	0.03	2.6E+00	-	1.2E-08	
56-23-5	Carbon Tetrachloride	0.68	0.0204	4.7E-01	2.1E+01	4.4E-08	2.0E-04
67-66-3	Chloroform	0.64	0.0192	1.2E-01	2.0E+01	1.6E-07	1.9E-04
124-48-1	Dibromochloromethane	0.85	0.0255	-	-		
106-93-4	Dibromoethane, 1,2-	0.68	0.0204	4.7E-03	1.9E+00	**4.4E-06**	2.2E-03
95-50-1	Dichlorobenzene, 1,2-	0.53	0.0159	-	4.2E+01		7.6E-05
106-46-7	Dichlorobenzene, 1,4-	0.58	0.0174	2.6E-01	1.7E+02	6.8E-08	2.1E-05
75-71-8	Dichlorodifluoromethane	1.8	0.054	-	2.1E+01		5.2E-04
156-60-5	Dichloroethylene, trans-1,2-	0.3	0.009	-	8.3E+00		2.2E-04
100-41-4	Ethylbenzene	0.73	0.0219	1.1E+00	2.1E+02	2.0E-08	2.1E-05
67-63-0	Isopropanol	10	0.3	-	4.2E+01		1.4E-03
78-93-3	Methyl Ethyl Ketone (2-Butanone)	16	0.48	-	1.0E+03		9.2E-05
75-09-2	Methylene Chloride	2.3	0.069	1.0E+02	1.3E+02	6.8E-10	1.1E-04
91-20-3	~Naphthalene	0.84	0.0252	8.3E-02	6.3E-01	3.1E-07	8.1E-03
100-42-5	Styrene	0.49	0.0147	-	2.1E+02		1.4E-05
79-34-5	Tetrachloroethane, 1,1,2,2-	0.74	0.0222	4.8E-02	-	4.6E-07	
127-18-4	Tetrachloroethylene	1	0.03	1.1E+01	8.3E+00	2.8E-09	7.2E-04
108-88-3	Toluene	1.8	0.054	-	1.0E+03		1.0E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	460	13.8	-	1.3E+02		2.2E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	370	11.1	-	2.1E+01		1.1E-01
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	4.2	0.126	-	1.0E+03		2.4E-05
71-55-6	Trichloroethane, 1,1,1-	0.52	0.0156	-	1.0E+03		3.0E-06
79-00-5	Trichloroethane, 1,1,2-	0.59	0.0177	1.8E-01	4.2E-02	1.0E-07	8.5E-02
79-01-6	Trichloroethylene	2.7	0.081	4.8E-01	4.2E-01	1.7E-07	3.9E-02
75-69-4	Trichlorofluoromethane	2	0.06	-	-		
95-63-6	Trimethylbenzene, 1,2,4-	1.1	0.033	-	1.3E+01		5.3E-04
108-67-8	Trimethylbenzene, 1,3,5-	0.69	0.0207	-	1.3E+01		3.3E-04
106-42-3	Xylene, P-	2.4	0.072	-	2.1E+01		6.9E-04
95-47-6	Xylene, o-	0.89	0.0267	-	2.1E+01		2.6E-04
					Cumulative:	6.0E-06	2.7E-01

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-05

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	15	0.45	-	6.5E+03		1.4E-05
71-43-2	Benzene	0.65	0.0195	3.6E-01	6.3E+00	5.4E-08	6.2E-04
67-66-3	Chloroform	4.2	0.126	1.2E-01	2.0E+01	**1.0E-06**	1.2E-03
75-71-8	Dichlorodifluoromethane	1.6	0.048	-	2.1E+01		4.6E-04
100-41-4	Ethylbenzene	0.61	0.0183	1.1E+00	2.1E+02	1.6E-08	1.8E-05
78-93-3	Methyl Ethyl Ketone (2-Butanone)	4.2	0.126	-	1.0E+03		2.4E-05
127-18-4	Tetrachloroethylene	0.54	0.0162	1.1E+01	8.3E+00	1.5E-09	3.9E-04
108-88-3	Toluene	2.2	0.066	-	1.0E+03		1.3E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	210	6.3	-	1.3E+02		1.0E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	230	6.9	-	2.1E+01		6.6E-02
75-69-4	Trichlorofluoromethane	0.99	0.0297	-	-		
108-67-8	Trimethylbenzene, 1,3,5-	0.29	0.0087	-	1.3E+01		1.4E-04
106-42-3	Xylene, P-	2	0.06	-	2.1E+01		5.8E-04
95-47-6	Xylene, o-	0.78	0.0234	-	2.1E+01		2.2E-04
				Cumulative:		1.1E-06	8.0E-02

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-06

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	16	0.48	-	6.5E+03		1.5E-05
71-43-2	Benzene	0.43	0.0129	3.6E-01	6.3E+00	3.6E-08	4.1E-04
75-15-0	Carbon Disulfide	8.5	0.255	-	1.5E+02		3.5E-04
67-66-3	Chloroform	29	0.87	1.2E-01	2.0E+01	**7.1E-06**	8.5E-03
75-71-8	Dichlorodifluoromethane	1.5	0.045	-	2.1E+01		4.3E-04
100-41-4	Ethylbenzene	0.36	0.0108	1.1E+00	2.1E+02	9.6E-09	1.0E-05
67-63-0	Isopropanol	10	0.3	-	4.2E+01		1.4E-03
78-93-3	Methyl Ethyl Ketone (2-Butanone)	4.9	0.147	-	1.0E+03		2.8E-05
127-18-4	Tetrachloroethylene	50	1.5	1.1E+01	8.3E+00	1.4E-07	3.6E-02
108-88-3	Toluene	1.3	0.039	-	1.0E+03		7.5E-06
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	310	9.3	-	1.3E+02		1.5E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	410	12.3	-	2.1E+01		1.2E-01
75-69-4	Trichlorofluoromethane	1	0.03	-	-		
106-42-3	Xylene, P-	1.3	0.039	-	2.1E+01		3.7E-04
95-47-6	Xylene, o-	0.5	0.015	-	2.1E+01		1.4E-04
				Cumulative:		7.3E-06	1.8E-01

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-07 to SVP-09

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	27	0.81	-	6.5E+03		2.5E-05
71-43-2	Benzene	1.2	0.036	3.6E-01	6.3E+00	1.0E-07	1.2E-03
56-23-5	Carbon Tetrachloride	0.68	0.0204	4.7E-01	2.1E+01	4.4E-08	2.0E-04
67-66-3	Chloroform	7.1	0.213	1.2E-01	2.0E+01	**1.7E-06**	2.1E-03
75-71-8	Dichlorodifluoromethane	1.7	0.051	-	2.1E+01		4.9E-04
100-41-4	Ethylbenzene	0.82	0.0246	1.1E+00	2.1E+02	2.2E-08	2.4E-05
78-93-3	Methyl Ethyl Ketone (2-Butanone)	4.7	0.141	-	1.0E+03		2.7E-05
75-09-2	Methylene Chloride	2.5	0.075	1.0E+02	1.3E+02	7.4E-10	1.2E-04
91-20-3	~Naphthalene	1.2	0.036	8.3E-02	6.3E-01	4.4E-07	1.2E-02
100-42-5	Styrene	0.36	0.0108	-	2.1E+02		1.0E-05
127-18-4	Tetrachloroethylene	0.57	0.0171	1.1E+01	8.3E+00	1.6E-09	4.1E-04
108-88-3	Toluene	2.6	0.078	-	1.0E+03		1.5E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	690	20.7	-	1.3E+02		3.3E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	380	11.4	-	2.1E+01		1.1E-01
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.98	0.0294	-	1.0E+03		5.6E-06
75-69-4	Trichlorofluoromethane	1.2	0.036	-	-		
95-63-6	Trimethylbenzene, 1,2,4-	1.7	0.051	-	1.3E+01		8.2E-04
108-67-8	Trimethylbenzene, 1,3,5-	0.55	0.0165	-	1.3E+01		2.6E-04
106-42-3	Xylene, P-	2.2	0.066	-	2.1E+01		6.3E-04
95-47-6	Xylene, o-	0.89	0.0267	-	2.1E+01		2.6E-04
					Cumulative:	2.3E-06	1.6E-01

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-14 and SVP-15

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	20	0.6	-	6.5E+03		1.9E-05
71-43-2	Benzene	0.78	0.0234	3.6E-01	6.3E+00	6.5E-08	7.5E-04
67-66-3	Chloroform	0.72	0.0216	1.2E-01	2.0E+01	1.8E-07	2.1E-04
75-71-8	Dichlorodifluoromethane	1.5	0.045	-	2.1E+01		4.3E-04
100-41-4	Ethylbenzene	0.96	0.0288	1.1E+00	2.1E+02	2.6E-08	2.8E-05
142-82-5	Heptane, N-	0.87	0.0261	-	8.3E+01		6.3E-05
78-93-3	Methyl Ethyl Ketone (2-Butanone)	6.4	0.192	-	1.0E+03		3.7E-05
75-09-2	Methylene Chloride	3.7	0.111	1.0E+02	1.3E+02	1.1E-09	1.8E-04
91-20-3	~Naphthalene	1.2	0.036	8.3E-02	6.3E-01	4.4E-07	1.2E-02
108-88-3	Toluene	3.4	0.102	-	1.0E+03		2.0E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	230	6.9	-	1.3E+02		1.1E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	250	7.5	-	2.1E+01		7.2E-02
75-69-4	Trichlorofluoromethane	1.2	0.036	-	-		
526-73-8	Trimethylbenzene, 1,2,3-	0.71	0.0213	-	1.3E+01		3.4E-04
95-63-6	Trimethylbenzene, 1,2,4-	0.77	0.0231	-	1.3E+01		3.7E-04
108-67-8	Trimethylbenzene, 1,3,5-	0.87	0.0261	-	1.3E+01		4.2E-04
106-42-3	Xylene, P-	2.6	0.078	-	2.1E+01		7.5E-04
95-47-6	Xylene, o-	1	0.03	-	2.1E+01		2.9E-04
					Cumulative:	7.0E-07	9.8E-02

RISK CALCULATOR OUTPUTS

September 22, 2021

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-01 to SVP-04, DUP-01

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	34	1.02	-	6.5E+03		3.2E-05
107-02-8	Acrolein	3.1	0.093	-	4.2E-03		**4.5E+00**
71-43-2	Benzene	1.4	0.042	3.6E-01	6.3E+00	1.2E-07	1.3E-03
75-27-4	Bromodichloromethane	0.75	0.0225	7.6E-02	-	3.0E-07	
75-25-2	Bromoform	0.74	0.0222	2.6E+00	-	8.7E-09	
74-83-9	Bromomethane	0.64	0.0192	-	1.0E+00		3.7E-03
106-99-0	Butadiene, 1,3-	0.37	0.0111	9.4E-02	4.2E-01	1.2E-07	5.3E-03
56-23-5	Carbon Tetrachloride	0.83	0.0249	4.7E-01	2.1E+01	5.3E-08	2.4E-04
108-90-7	Chlorobenzene	1.6	0.048	-	1.0E+01		9.2E-04
67-66-3	Chloroform	0.64	0.0192	1.2E-01	2.0E+01	1.6E-07	1.9E-04
74-87-3	Chloromethane	1.4	0.042	-	1.9E+01		4.5E-04
110-82-7	Cyclohexane	0.48	0.0144	-	1.3E+03		2.3E-06
124-48-1	Dibromochloromethane	0.85	0.0255	-	-		
106-93-4	Dibromoethane, 1,2-	0.83	0.0249	4.7E-03	1.9E+00	**5.3E-06**	2.7E-03
95-50-1	Dichlorobenzene, 1,2-	0.67	0.0201	-	4.2E+01		9.6E-05
106-46-7	Dichlorobenzene, 1,4-	0.67	0.0201	2.6E-01	1.7E+02	7.9E-08	2.4E-05
75-71-8	Dichlorodifluoromethane	2.7	0.081	-	2.1E+01		7.8E-04
75-34-3	Dichloroethane, 1,1-	0.52	0.0156	1.8E+00	-	8.9E-09	
107-06-2	Dichloroethane, 1,2-	0.4	0.012	1.1E-01	1.5E+00	1.1E-07	1.6E-03
75-35-4	Dichloroethylene, 1,1-	0.59	0.0177	-	4.2E+01		8.5E-05
156-59-2	Dichloroethylene, cis-1,2-	0.41	0.0123	-	-		
156-60-5	Dichloroethylene, trans-1,2-	0.48	0.0144	-	8.3E+00		3.5E-04
78-87-5	Dichloropropane, 1,2-	0.7	0.021	7.6E-01	8.3E-01	2.8E-08	5.0E-03
141-78-6	Ethyl Acetate	13	0.39	-	1.5E+01		5.3E-03
75-00-3	Ethyl Chloride (Chloroethane)	0.44	0.0132	-	2.1E+03		1.3E-06
100-41-4	Ethylbenzene	2.7	0.081	1.1E+00	2.1E+02	7.2E-08	7.8E-05
109-99-9	~Tetrahydrofuran	4.6	0.138	-	4.2E+02		6.6E-05
142-82-5	Heptane, N-	1.3	0.039	-	8.3E+01		9.3E-05
591-78-6	Hexanone, 2-	1.2	0.036	-	6.3E+00		1.2E-03
78-93-3	Methyl Ethyl Ketone (2-Butanone)	19	0.57	-	1.0E+03		1.1E-04
108-10-1	Methyl Isobutyl Ketone (4-methyl-2-pentanone)	0.88	0.0264	-	6.3E+02		8.4E-06
80-62-6	Methyl Methacrylate	0.51	0.0153	-	1.5E+02		2.1E-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)	0.46	0.0138	1.1E+01	6.3E+02	1.3E-09	4.4E-06
75-09-2	Methylene Chloride	2.2	0.066	1.0E+02	1.3E+02	6.5E-10	1.1E-04
91-20-3	~Naphthalene	1	0.03	8.3E-02	6.3E-01	3.6E-07	9.6E-03
100-42-5	Styrene	0.53	0.0159	-	2.1E+02		1.5E-05
79-34-5	Tetrachloroethane, 1,1,2,2-	0.88	0.0264	4.8E-02	-	5.5E-07	
127-18-4	Tetrachloroethylene	1.4	0.042	1.1E+01	8.3E+00	3.9E-09	1.0E-03
108-88-3	Toluene	16	0.48	-	1.0E+03		9.2E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	750	22.5	-	1.3E+02		3.6E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	490	14.7	-	2.1E+01		1.4E-01
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	2.3	0.069	-	1.0E+03		1.3E-05
71-55-6	Trichloroethane, 1,1,1-	0.65	0.0195	-	1.0E+03		3.7E-06
79-00-5	Trichloroethane, 1,1,2-	0.74	0.0222	1.8E-01	4.2E-02	1.3E-07	1.1E-01
79-01-6	Trichloroethylene	0.73	0.0219	4.8E-01	4.2E-01	4.6E-08	1.1E-02
75-69-4	Trichlorofluoromethane	1.8	0.054	-	-		
95-63-6	Trimethylbenzene, 1,2,4-	3.4	0.102	-	1.3E+01		1.6E-03
108-67-8	Trimethylbenzene, 1,3,5-	0.77	0.0231	-	1.3E+01		3.7E-04
108-05-4	Vinyl Acetate	5.6	0.168	-	4.2E+01		8.1E-04
106-42-3	Xylene, P-	9.9	0.297	-	2.1E+01		2.8E-03
95-47-6	Xylene, o-	3	0.09	-	2.1E+01		8.6E-04
					Cumulative:	7.5E-06	**4.8E+00**

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-05

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	24	0.72	-	6.5E+03		2.2E-05
107-02-8	Acrolein	2.8	0.084	-	4.2E-03		**4.0E+00**
71-43-2	Benzene	0.5	0.015	3.6E-01	6.3E+00	4.2E-08	4.8E-04
108-90-7	Chlorobenzene	0.57	0.0171	-	1.0E+01		3.3E-04
67-66-3	Chloroform	3.6	0.108	1.2E-01	2.0E+01	8.8E-07	1.1E-03
74-87-3	Chloromethane	0.84	0.0252	-	1.9E+01		2.7E-04
75-71-8	Dichlorodifluoromethane	2	0.06	-	2.1E+01		5.8E-04
141-78-6	Ethyl Acetate	8	0.24	-	1.5E+01		3.3E-03
100-41-4	Ethylbenzene	0.92	0.0276	1.1E+00	2.1E+02	2.5E-08	2.6E-05
142-82-5	Heptane, N-	0.48	0.0144	-	8.3E+01		3.5E-05
591-78-6	Hexanone, 2-	0.75	0.0225	-	6.3E+00		7.2E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	5.2	0.156	-	1.0E+03		3.0E-05
75-09-2	Methylene Chloride	2.8	0.084	1.0E+02	1.3E+02	8.3E-10	1.3E-04
91-20-3	~Naphthalene	0.88	0.0264	8.3E-02	6.3E-01	3.2E-07	8.4E-03
127-18-4	Tetrachloroethylene	0.54	0.0162	1.1E+01	8.3E+00	1.5E-09	3.9E-04
108-88-3	Toluene	5.1	0.153	-	1.0E+03		2.9E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	230	6.9	-	1.3E+02		1.1E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	190	5.7	-	2.1E+01		5.5E-02
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	2.1	0.063	-	1.0E+03		1.2E-05
75-69-4	Trichlorofluoromethane	1.7	0.051	-	-		
95-63-6	Trimethylbenzene, 1,2,4-	1.6	0.048	-	1.3E+01		7.7E-04
108-67-8	Trimethylbenzene, 1,3,5-	0.33	0.0099	-	1.3E+01		1.6E-04
108-05-4	Vinyl Acetate	6	0.18	-	4.2E+01		8.6E-04
106-42-3	Xylene, P-	3.5	0.105	-	2.1E+01		1.0E-03
95-47-6	Xylene, o-	1.2	0.036	-	2.1E+01		3.5E-04
					Cumulative:	1.3E-06	**4.1E+00**

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-06

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	33	0.99	-	6.5E+03		3.1E-05
107-02-8	Acrolein	2.7	0.081	-	4.2E-03		**3.9E+00**
71-43-2	Benzene	1.8	0.054	3.6E-01	6.3E+00	1.5E-07	1.7E-03
75-15-0	Carbon Disulfide	2.4	0.072	-	1.5E+02		9.9E-05
108-90-7	Chlorobenzene	1.6	0.048	-	1.0E+01		9.2E-04
67-66-3	Chloroform	8.5	0.255	1.2E-01	2.0E+01	**2.1E-06**	2.5E-03
74-87-3	Chloromethane	1.2	0.036	-	1.9E+01		3.8E-04
75-71-8	Dichlorodifluoromethane	2	0.06	-	2.1E+01		5.8E-04
141-78-6	Ethyl Acetate	19	0.57	-	1.5E+01		7.8E-03
100-41-4	Ethylbenzene	3	0.09	1.1E+00	2.1E+02	8.0E-08	8.6E-05
109-99-9	~Tetrahydrofuran	4.2	0.126	-	4.2E+02		6.0E-05
142-82-5	Heptane, N-	1.3	0.039	-	8.3E+01		9.3E-05
110-54-3	Hexane, N-	2.4	0.072	-	1.5E+02		9.9E-05
591-78-6	Hexanone, 2-	0.66	0.0198	-	6.3E+00		6.3E-04
67-63-0	Isopropanol	5.4	0.162	-	4.2E+01		7.8E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	16	0.48	-	1.0E+03		9.2E-05
108-10-1	Methyl Isobutyl Ketone (4-methyl-2-pentanone)	0.67	0.0201	-	6.3E+02		6.4E-06
75-09-2	Methylene Chloride	3.3	0.099	1.0E+02	1.3E+02	9.8E-10	1.6E-04
91-20-3	~Naphthalene	0.73	0.0219	8.3E-02	6.3E-01	2.7E-07	7.0E-03
100-42-5	Styrene	0.56	0.0168	-	2.1E+02		1.6E-05
127-18-4	Tetrachloroethylene	20	0.6	1.1E+01	8.3E+00	5.6E-08	1.4E-02
108-88-3	Toluene	19	0.57	-	1.0E+03		1.1E-04
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	370	11.1	-	1.3E+02		1.8E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	340	10.2	-	2.1E+01		9.8E-02
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.83	0.0249	-	1.0E+03		4.8E-06
75-69-4	Trichlorofluoromethane	1.5	0.045	-	-		
95-63-6	Trimethylbenzene, 1,2,4-	3	0.09	-	1.3E+01		1.4E-03
108-67-8	Trimethylbenzene, 1,3,5-	0.77	0.0231	-	1.3E+01		3.7E-04
108-05-4	Vinyl Acetate	6.7	0.201	-	4.2E+01		9.6E-04
106-42-3	Xylene, P-	11	0.33	-	2.1E+01		3.2E-03
95-47-6	Xylene, o-	3.7	0.111	-	2.1E+01		1.1E-03
					Cumulative:	2.6E-06	**4.0E+00**

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-07 to SVP-09

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	28	0.84	-	6.5E+03		2.6E-05
107-02-8	Acrolein	3	0.09	-	4.2E-03		**4.3E+00**
71-43-2	Benzene	0.74	0.0222	3.6E-01	6.3E+00	6.2E-08	7.1E-04
108-90-7	Chlorobenzene	0.85	0.0255	-	1.0E+01		4.9E-04
67-66-3	Chloroform	11	0.33	1.2E-01	2.0E+01	**2.7E-06**	3.2E-03
74-87-3	Chloromethane	0.93	0.0279	-	1.9E+01		3.0E-04
75-71-8	Dichlorodifluoromethane	2	0.06	-	2.1E+01		5.8E-04
141-78-6	Ethyl Acetate	5.8	0.174	-	1.5E+01		2.4E-03
100-41-4	Ethylbenzene	1.7	0.051	1.1E+00	2.1E+02	4.5E-08	4.9E-05
142-82-5	Heptane, N-	0.69	0.0207	-	8.3E+01		5.0E-05
591-78-6	Hexanone, 2-	1.1	0.033	-	6.3E+00		1.1E-03
78-93-3	Methyl Ethyl Ketone (2-Butanone)	8.9	0.267	-	1.0E+03		5.1E-05
108-10-1	Methyl Isobutyl Ketone (4-methyl-2-pentanone)	0.57	0.0171	-	6.3E+02		5.5E-06
75-09-2	Methylene Chloride	2.2	0.066	1.0E+02	1.3E+02	6.5E-10	1.1E-04
91-20-3	~Naphthalene	0.8	0.024	8.3E-02	6.3E-01	2.9E-07	7.7E-03
100-42-5	Styrene	0.39	0.0117	-	2.1E+02		1.1E-05
108-88-3	Toluene	7.8	0.234	-	1.0E+03		4.5E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	270	8.1	-	1.3E+02		1.3E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	240	7.2	-	2.1E+01		6.9E-02
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	1.4	0.042	-	1.0E+03		8.1E-06
79-01-6	Trichloroethylene	0.6	0.018	4.8E-01	4.2E-01	3.8E-08	8.6E-03
75-69-4	Trichlorofluoromethane	1.4	0.042	-	-		
95-63-6	Trimethylbenzene, 1,2,4-	2.3	0.069	-	1.3E+01		1.1E-03
108-67-8	Trimethylbenzene, 1,3,5-	0.59	0.0177	-	1.3E+01		2.8E-04
108-05-4	Vinyl Acetate	6.7	0.201	-	4.2E+01		9.6E-04
106-42-3	Xylene, P-	6.2	0.186	-	2.1E+01		1.8E-03
95-47-6	Xylene, o-	2.2	0.066	-	2.1E+01		6.3E-04
					Cumulative:	3.1E-06	**4.4E+00**

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-14 and SVP-15

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	14	0.42	-	6.5E+03		1.3E-05
107-02-8	Acrolein	2.7	0.081	-	4.2E-03		**3.9E+00**
71-43-2	Benzene	0.61	0.0183	3.6E-01	6.3E+00	5.1E-08	5.8E-04
56-23-5	Carbon Tetrachloride	0.48	0.0144	4.7E-01	2.1E+01	3.1E-08	1.4E-04
108-90-7	Chlorobenzene	0.79	0.0237	-	1.0E+01		4.5E-04
74-87-3	Chloromethane	1.7	0.051	-	1.9E+01		5.4E-04
75-71-8	Dichlorodifluoromethane	2.9	0.087	-	2.1E+01		8.3E-04
100-41-4	Ethylbenzene	2.4	0.072	1.1E+00	2.1E+02	6.4E-08	6.9E-05
142-82-5	Heptane, N-	0.44	0.0132	-	8.3E+01		3.2E-05
78-93-3	Methyl Ethyl Ketone (2-Butanone)	5	0.15	-	1.0E+03		2.9E-05
100-42-5	Styrene	0.43	0.0129	-	2.1E+02		1.2E-05
108-88-3	Toluene	8.9	0.267	-	1.0E+03		5.1E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	220	6.6	-	1.3E+02		1.1E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	290	8.7	-	2.1E+01		8.3E-02
E1790674	Total Petroleum Hydrocarbons (Aromatic	31	0.93	-	6.3E-01		**3.0E-01**
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	1.2	0.036	-	1.0E+03		6.9E-06
75-69-4	Trichlorofluoromethane	1.7	0.051	-	-		
526-73-8	Trimethylbenzene, 1,2,3-	0.85	0.0255	-	1.3E+01		4.1E-04
95-63-6	Trimethylbenzene, 1,2,4-	3.9	0.117	-	1.3E+01		1.9E-03
108-67-8	Trimethylbenzene, 1,3,5-	2	0.06	-	1.3E+01		9.6E-04
108-05-4	Vinyl Acetate	63	1.89	-	4.2E+01		9.1E-03
106-42-3	Xylene, P-	9.3	0.279	-	2.1E+01		2.7E-03
95-47-6	Xylene, o-	4	0.12	-	2.1E+01		1.2E-03
					Cumulative:	1.5E-07	**4.3E+00**

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-16

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	24	0.72	-	6.5E+03		2.2E-05
107-02-8	Acrolein	4.4	0.132	-	4.2E-03		**6.3E+00**
71-43-2	Benzene	1.2	0.036	3.6E-01	6.3E+00	1.0E-07	1.2E-03
71-36-3	Butanol, N-	6	0.18	-	-		
78-92-2	Butyl alcohol, sec-	1	0.03	-	6.3E+03		9.6E-07
108-90-7	Chlorobenzene	1.3	0.039	-	1.0E+01		7.5E-04
67-66-3	Chloroform	8	0.24	1.2E-01	2.0E+01	**2.0E-06**	2.3E-03
74-87-3	Chloromethane	0.98	0.0294	-	1.9E+01		3.1E-04
110-82-7	Cyclohexane	0.76	0.0228	-	1.3E+03		3.6E-06
75-71-8	Dichlorodifluoromethane	2.5	0.075	-	2.1E+01		7.2E-04
141-78-6	Ethyl Acetate	7.8	0.234	-	1.5E+01		3.2E-03
100-41-4	Ethylbenzene	2.5	0.075	1.1E+00	2.1E+02	6.7E-08	7.2E-05
142-82-5	Heptane, N-	0.51	0.0153	-	8.3E+01		3.7E-05
80-62-6	Methyl Methacrylate	1.7	0.051	-	1.5E+02		7.0E-05
100-42-5	Styrene	0.36	0.0108	-	2.1E+02		1.0E-05
108-88-3	Toluene	10	0.3	-	1.0E+03		5.8E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	280	8.4	-	1.3E+02		1.3E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	290	8.7	-	2.1E+01		8.3E-02
E1790674	Total Petroleum Hydrocarbons (Aromatic	25	0.75	-	6.3E-01		**2.4E-01**
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.67	0.0201	-	1.0E+03		3.9E-06
75-69-4	Trichlorofluoromethane	1.3	0.039	-	-		
526-73-8	Trimethylbenzene, 1,2,3-	0.67	0.0201	-	1.3E+01		3.2E-04
95-63-6	Trimethylbenzene, 1,2,4-	3.3	0.099	-	1.3E+01		1.6E-03
108-67-8	Trimethylbenzene, 1,3,5-	0.81	0.0243	-	1.3E+01		3.9E-04
108-05-4	Vinyl Acetate	35	1.05	-	4.2E+01		5.0E-03
106-42-3	Xylene, P-	8.5	0.255	-	2.1E+01		2.4E-03
95-47-6	Xylene, o-	3.4	0.102	-	2.1E+01		9.8E-04
					Cumulative:	2.1E-06	**6.7E+00**

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-17

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	16	0.48	-	6.5E+03		1.5E-05
107-02-8	Acrolein	2.4	0.072	-	4.2E-03		**3.5E+00**
71-43-2	Benzene	0.37	0.0111	3.6E-01	6.3E+00	3.1E-08	3.5E-04
98-06-6	Butylbenzene, tert-	6.8	0.204	-	-		
74-87-3	Chloromethane	1	0.03	-	1.9E+01		3.2E-04
75-71-8	Dichlorodifluoromethane	2.8	0.084	-	2.1E+01		8.1E-04
100-41-4	Ethylbenzene	0.73	0.0219	1.1E+00	2.1E+02	2.0E-08	2.1E-05
67-63-0	Isopropanol	45	1.35	-	4.2E+01		6.5E-03
78-93-3	Methyl Ethyl Ketone (2-Butanone)	2.5	0.075	-	1.0E+03		1.4E-05
108-88-3	Toluene	3.1	0.093	-	1.0E+03		1.8E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	190	5.7	-	1.3E+02		9.1E-03
E1790668	Total Petroleum Hydrocarbons (Aliphatic	13000	390	-	2.1E+01		**3.7E+00**
E1790674	Total Petroleum Hydrocarbons (Aromatic	59	1.77	-	6.3E-01		**5.7E-01**
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.92	0.0276	-	1.0E+03		5.3E-06
75-69-4	Trichlorofluoromethane	1.6	0.048	-	-		
526-73-8	Trimethylbenzene, 1,2,3-	0.65	0.0195	-	1.3E+01		3.1E-04
95-63-6	Trimethylbenzene, 1,2,4-	1.5	0.045	-	1.3E+01		7.2E-04
108-67-8	Trimethylbenzene, 1,3,5-	0.55	0.0165	-	1.3E+01		2.6E-04
108-05-4	Vinyl Acetate	1.8	0.054	-	4.2E+01		2.6E-04
106-42-3	Xylene, P-	2.7	0.081	-	2.1E+01		7.8E-04
95-47-6	Xylene, o-	1.9	0.057	-	2.1E+01		5.5E-04
					Cumulative:	5.0E-08	**7.8E+00**

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-18

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
71-43-2	Benzene	0.41	0.0123	3.6E-01	6.3E+00	3.4E-08	3.9E-04
108-90-7	Chlorobenzene	0.61	0.0183	-	1.0E+01		3.5E-04
74-87-3	Chloromethane	0.28	0.0084	-	1.9E+01		8.9E-05
75-71-8	Dichlorodifluoromethane	1.6	0.048	-	2.1E+01		4.6E-04
100-41-4	Ethylbenzene	1.1	0.033	1.1E+00	2.1E+02	2.9E-08	3.2E-05
591-78-6	Hexanone, 2-	0.62	0.0186	-	6.3E+00		5.9E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	3.1	0.093	-	1.0E+03		1.8E-05
75-09-2	Methylene Chloride	2.4	0.072	1.0E+02	1.3E+02	7.1E-10	1.2E-04
91-20-3	~Naphthalene	1	0.03	8.3E-02	6.3E-01	3.6E-07	9.6E-03
100-42-5	Styrene	0.27	0.0081	-	2.1E+02		7.8E-06
108-88-3	Toluene	4.1	0.123	-	1.0E+03		2.4E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	170	5.1	-	1.3E+02		8.2E-03
E1790668	Total Petroleum Hydrocarbons (Aliphatic	240	7.2	-	2.1E+01		6.9E-02
75-69-4	Trichlorofluoromethane	1.2	0.036	-	-		
95-63-6	Trimethylbenzene, 1,2,4-	1.8	0.054	-	1.3E+01		8.6E-04
108-67-8	Trimethylbenzene, 1,3,5-	0.43	0.0129	-	1.3E+01		2.1E-04
108-05-4	Vinyl Acetate	2.9	0.087	-	4.2E+01		4.2E-04
106-42-3	Xylene, P-	4.3	0.129	-	2.1E+01		1.2E-03
95-47-6	Xylene, o-	1.5	0.045	-	2.1E+01		4.3E-04
					Cumulative:	4.3E-07	9.2E-02

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-19

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
71-43-2	Benzene	0.92	0.0276	3.6E-01	6.3E+00	7.7E-08	8.8E-04
78-92-2	Butyl alcohol, sec-	2.2	0.066	-	6.3E+03		2.1E-06
75-15-0	Carbon Disulfide	26	0.78	-	1.5E+02		1.1E-03
108-90-7	Chlorobenzene	0.57	0.0171	-	1.0E+01		3.3E-04
67-66-3	Chloroform	0.25	0.0075	1.2E-01	2.0E+01	6.1E-08	7.3E-05
74-87-3	Chloromethane	0.3	0.009	-	1.9E+01		9.6E-05
110-82-7	Cyclohexane	0.54	0.0162	-	1.3E+03		2.6E-06
75-71-8	Dichlorodifluoromethane	1.8	0.054	-	2.1E+01		5.2E-04
100-41-4	Ethylbenzene	1.9	0.057	1.1E+00	2.1E+02	5.1E-08	5.5E-05
142-82-5	Heptane, N-	0.64	0.0192	-	8.3E+01		4.6E-05
591-78-6	Hexanone, 2-	0.44	0.0132	-	6.3E+00		4.2E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	3	0.09	-	1.0E+03		1.7E-05
91-20-3	~Naphthalene	0.75	0.0225	8.3E-02	6.3E-01	2.7E-07	7.2E-03
108-88-3	Toluene	5.7	0.171	-	1.0E+03		3.3E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	240	7.2	-	1.3E+02		1.2E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	230	6.9	-	2.1E+01		6.6E-02
75-69-4	Trichlorofluoromethane	1.3	0.039	-	-		
526-73-8	Trimethylbenzene, 1,2,3-	1.2	0.036	-	1.3E+01		5.8E-04
95-63-6	Trimethylbenzene, 1,2,4-	2.7	0.081	-	1.3E+01		1.3E-03
108-67-8	Trimethylbenzene, 1,3,5-	0.51	0.0153	-	1.3E+01		2.4E-04
108-05-4	Vinyl Acetate	2.5	0.075	-	4.2E+01		3.6E-04
106-42-3	Xylene, P-	5.2	0.156	-	2.1E+01		1.5E-03
95-47-6	Xylene, o-	2.4	0.072	-	2.1E+01		6.9E-04
					Cumulative:	4.6E-07	9.3E-02

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-20

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	12	0.36	-	6.5E+03		1.1E-05
107-02-8	Acrolein	2.3	0.069	-	4.2E-03		**3.3E+00**
71-43-2	Benzene	0.59	0.0177	3.6E-01	6.3E+00	4.9E-08	5.7E-04
75-15-0	Carbon Disulfide	1.7	0.051	-	1.5E+02		7.0E-05
108-90-7	Chlorobenzene	0.5	0.015	-	1.0E+01		2.9E-04
75-71-8	Dichlorodifluoromethane	16	0.48	-	2.1E+01		4.6E-03
100-41-4	Ethylbenzene	1.3	0.039	1.1E+00	2.1E+02	3.5E-08	3.7E-05
142-82-5	Heptane, N-	0.46	0.0138	-	8.3E+01		3.3E-05
67-63-0	Isopropanol	27	0.81	-	4.2E+01		3.9E-03
78-93-3	Methyl Ethyl Ketone (2-Butanone)	3.2	0.096	-	1.0E+03		1.8E-05
75-09-2	Methylene Chloride	1.7	0.051	1.0E+02	1.3E+02	5.0E-10	8.2E-05
108-88-3	Toluene	5	0.15	-	1.0E+03		2.9E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	180	5.4	-	1.3E+02		8.6E-03
E1790668	Total Petroleum Hydrocarbons (Aliphatic	130	3.9	-	2.1E+01		3.7E-02
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.67	0.0201	-	1.0E+03		3.9E-06
75-69-4	Trichlorofluoromethane	79	2.37	-	-		
95-63-6	Trimethylbenzene, 1,2,4-	1.3	0.039	-	1.3E+01		6.2E-04
108-67-8	Trimethylbenzene, 1,3,5-	0.43	0.0129	-	1.3E+01		2.1E-04
108-05-4	Vinyl Acetate	4.3	0.129	-	4.2E+01		6.2E-04
106-42-3	Xylene, P-	3.9	0.117	-	2.1E+01		1.1E-03
95-47-6	Xylene, o-	1.8	0.054	-	2.1E+01		5.2E-04
					Cumulative:	8.4E-08	**3.4E+00**

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-21, DUP-02

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	48	1.44	-	6.5E+03		4.5E-05
107-02-8	Acrolein	3.7	0.111	-	4.2E-03		**5.3E+00**
71-43-2	Benzene	1.3	0.039	3.6E-01	6.3E+00	1.1E-07	1.2E-03
75-15-0	Carbon Disulfide	7.4	0.222	-	1.5E+02		3.0E-04
108-90-7	Chlorobenzene	0.41	0.0123	-	1.0E+01		2.4E-04
67-66-3	Chloroform	0.37	0.0111	1.2E-01	2.0E+01	9.1E-08	1.1E-04
74-87-3	Chloromethane	0.8	0.024	-	1.9E+01		2.6E-04
110-82-7	Cyclohexane	5.6	0.168	-	1.3E+03		2.7E-05
75-71-8	Dichlorodifluoromethane	1.8	0.054	-	2.1E+01		5.2E-04
141-78-6	Ethyl Acetate	170	5.1	-	1.5E+01		7.0E-02
100-41-4	Ethylbenzene	0.87	0.0261	1.1E+00	2.1E+02	2.3E-08	2.5E-05
142-82-5	Heptane, N-	2.6	0.078	-	8.3E+01		1.9E-04
110-54-3	Hexane, N-	7.1	0.213	-	1.5E+02		2.9E-04
591-78-6	Hexanone, 2-	2.5	0.075	-	6.3E+00		2.4E-03
67-63-0	Isopropanol	180	5.4	-	4.2E+01		2.6E-02
78-93-3	Methyl Ethyl Ketone (2-Butanone)	3.8	0.114	-	1.0E+03		2.2E-05
108-10-1	Methyl Isobutyl Ketone (4-methyl-2-pentanone)	1.1	0.033	-	6.3E+02		1.1E-05
75-09-2	Methylene Chloride	2.2	0.066	1.0E+02	1.3E+02	6.5E-10	1.1E-04
91-20-3	~Naphthalene	1	0.03	8.3E-02	6.3E-01	3.6E-07	9.6E-03
100-42-5	Styrene	0.66	0.0198	-	2.1E+02		1.9E-05
127-18-4	Tetrachloroethylene	0.76	0.0228	1.1E+01	8.3E+00	2.1E-09	5.5E-04
108-88-3	Toluene	6.4	0.192	-	1.0E+03		3.7E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	720	21.6	-	1.3E+02		3.5E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	310	9.3	-	2.1E+01		8.9E-02
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.55	0.0165	-	1.0E+03		3.2E-06
75-69-4	Trichlorofluoromethane	1.8	0.054	-	-		
95-63-6	Trimethylbenzene, 1,2,4-	1.5	0.045	-	1.3E+01		7.2E-04
108-67-8	Trimethylbenzene, 1,3,5-	0.49	0.0147	-	1.3E+01		2.3E-04
108-05-4	Vinyl Acetate	12	0.36	-	4.2E+01		1.7E-03
106-42-3	Xylene, P-	2.8	0.084	-	2.1E+01		8.1E-04
95-47-6	Xylene, o-	1.2	0.036	-	2.1E+01		3.5E-04
					Cumulative:	5.9E-07	**5.6E+00**

RISK CALCULATOR OUTPUTS

September 29, 2021

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-01 to SVP-04, DUP-01

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	12	0.36	-	6.5E+03		1.1E-05
107-02-8	Acrolein	3.1	0.093	-	4.2E-03		**4.5E+00**
71-43-2	Benzene	1.8	0.054	3.6E-01	6.3E+00	1.5E-07	1.7E-03
108-90-7	Chlorobenzene	0.31	0.0093	-	1.0E+01		1.8E-04
67-66-3	Chloroform	0.7	0.021	1.2E-01	2.0E+01	1.7E-07	2.1E-04
74-87-3	Chloromethane	0.93	0.0279	-	1.9E+01		3.0E-04
110-82-7	Cyclohexane	1.1	0.033	-	1.3E+03		5.3E-06
75-71-8	Dichlorodifluoromethane	2.8	0.084	-	2.1E+01		8.1E-04
100-41-4	Ethylbenzene	1.4	0.042	1.1E+00	2.1E+02	3.7E-08	4.0E-05
142-82-5	Heptane, N-	2	0.06	-	8.3E+01		1.4E-04
110-54-3	Hexane, N-	3.3	0.099	-	1.5E+02		1.4E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	3.1	0.093	-	1.0E+03		1.8E-05
108-88-3	Toluene	8.8	0.264	-	1.0E+03		5.1E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	170	5.1	-	1.3E+02		8.2E-03
E1790668	Total Petroleum Hydrocarbons (Aliphatic	150	4.5	-	2.1E+01		4.3E-02
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.77	0.0231	-	1.0E+03		4.4E-06
75-69-4	Trichlorofluoromethane	1.7	0.051	-	-		
95-63-6	Trimethylbenzene, 1,2,4-	1.2	0.036	-	1.3E+01		5.8E-04
108-67-8	Trimethylbenzene, 1,3,5-	0.39	0.0117	-	1.3E+01		1.9E-04
108-05-4	Vinyl Acetate	9.3	0.279	-	4.2E+01		1.3E-03
106-42-3	Xylene, P-	4.5	0.135	-	2.1E+01		1.3E-03
95-47-6	Xylene, o-	1.8	0.054	-	2.1E+01		5.2E-04
					Cumulative:	3.6E-07	**4.5E+00**

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-05

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	14	0.42	-	6.5E+03		1.3E-05
71-43-2	Benzene	0.66	0.0198	3.6E-01	6.3E+00	5.5E-08	6.3E-04
108-90-7	Chlorobenzene	0.35	0.0105	-	1.0E+01		2.0E-04
67-66-3	Chloroform	4.8	0.144	1.2E-01	2.0E+01	**1.2E-06**	1.4E-03
74-87-3	Chloromethane	0.45	0.0135	-	1.9E+01		1.4E-04
75-71-8	Dichlorodifluoromethane	2.8	0.084	-	2.1E+01		8.1E-04
100-41-4	Ethylbenzene	0.92	0.0276	1.1E+00	2.1E+02	2.5E-08	2.6E-05
78-93-3	Methyl Ethyl Ketone (2-Butanone)	2.5	0.075	-	1.0E+03		1.4E-05
100-42-5	Styrene	0.27	0.0081	-	2.1E+02		7.8E-06
127-18-4	Tetrachloroethylene	0.92	0.0276	1.1E+01	8.3E+00	2.6E-09	6.6E-04
108-88-3	Toluene	4.7	0.141	-	1.0E+03		2.7E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	160	4.8	-	1.3E+02		7.7E-03
E1790668	Total Petroleum Hydrocarbons (Aliphatic	150	4.5	-	2.1E+01		4.3E-02
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.58	0.0174	-	1.0E+03		3.3E-06
75-69-4	Trichlorofluoromethane	1.7	0.051	-	-		
95-63-6	Trimethylbenzene, 1,2,4-	1.3	0.039	-	1.3E+01		6.2E-04
108-67-8	Trimethylbenzene, 1,3,5-	0.41	0.0123	-	1.3E+01		2.0E-04
108-05-4	Vinyl Acetate	4.1	0.123	-	4.2E+01		5.9E-04
106-42-3	Xylene, P-	3.7	0.111	-	2.1E+01		1.1E-03
95-47-6	Xylene, o-	1.4	0.042	-	2.1E+01		4.0E-04
					Cumulative:	1.3E-06	5.8E-02

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-06

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	12	0.36	-	6.5E+03		1.1E-05
107-02-8	Acrolein	3	0.09	-	4.2E-03		**4.3E+00**
71-43-2	Benzene	0.72	0.0216	3.6E-01	6.3E+00	6.0E-08	6.9E-04
75-15-0	Carbon Disulfide	5.7	0.171	-	1.5E+02		2.3E-04
108-90-7	Chlorobenzene	0.64	0.0192	-	1.0E+01		3.7E-04
67-66-3	Chloroform	30	0.9	1.2E-01	2.0E+01	**7.4E-06**	8.8E-03
74-87-3	Chloromethane	1.2	0.036	-	1.9E+01		3.8E-04
75-71-8	Dichlorodifluoromethane	3	0.09	-	2.1E+01		8.6E-04
100-41-4	Ethylbenzene	1.7	0.051	1.1E+00	2.1E+02	4.5E-08	4.9E-05
142-82-5	Heptane, N-	0.85	0.0255	-	8.3E+01		6.1E-05
75-09-2	Methylene Chloride	1.7	0.051	1.0E+02	1.3E+02	5.0E-10	8.2E-05
100-42-5	Styrene	0.29	0.0087	-	2.1E+02		8.3E-06
127-18-4	Tetrachloroethylene	38	1.14	1.1E+01	8.3E+00	1.1E-07	2.7E-02
108-88-3	Toluene	7.4	0.222	-	1.0E+03		4.3E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	200	6	-	1.3E+02		9.6E-03
E1790668	Total Petroleum Hydrocarbons (Aliphatic	190	5.7	-	2.1E+01		5.5E-02
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.74	0.0222	-	1.0E+03		4.3E-06
75-69-4	Trichlorofluoromethane	1.4	0.042	-	-		
95-63-6	Trimethylbenzene, 1,2,4-	1.6	0.048	-	1.3E+01		7.7E-04
108-67-8	Trimethylbenzene, 1,3,5-	0.51	0.0153	-	1.3E+01		2.4E-04
108-05-4	Vinyl Acetate	2.7	0.081	-	4.2E+01		3.9E-04
106-42-3	Xylene, P-	5.4	0.162	-	2.1E+01		1.6E-03
95-47-6	Xylene, o-	2.3	0.069	-	2.1E+01		6.6E-04
					Cumulative:	7.6E-06	**4.4E+00**

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-07 to SVP-09

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	15	0.45	-	6.5E+03		1.4E-05
107-02-8	Acrolein	2.3	0.069	-	4.2E-03		**3.3E+00**
71-43-2	Benzene	0.51	0.0153	3.6E-01	6.3E+00	4.3E-08	4.9E-04
56-23-5	Carbon Tetrachloride	0.58	0.0174	4.7E-01	2.1E+01	3.7E-08	1.7E-04
108-90-7	Chlorobenzene	0.35	0.0105	-	1.0E+01		2.0E-04
67-66-3	Chloroform	4.7	0.141	1.2E-01	2.0E+01	**1.2E-06**	1.4E-03
74-87-3	Chloromethane	0.92	0.0276	-	1.9E+01		2.9E-04
75-71-8	Dichlorodifluoromethane	3	0.09	-	2.1E+01		8.6E-04
141-78-6	Ethyl Acetate	20	0.6	-	1.5E+01		8.2E-03
100-41-4	Ethylbenzene	0.92	0.0276	1.1E+00	2.1E+02	2.5E-08	2.6E-05
142-82-5	Heptane, N-	0.49	0.0147	-	8.3E+01		3.5E-05
67-63-0	Isopropanol	7.7	0.231	-	4.2E+01		1.1E-03
78-93-3	Methyl Ethyl Ketone (2-Butanone)	3.5	0.105	-	1.0E+03		2.0E-05
108-88-3	Toluene	4.6	0.138	-	1.0E+03		2.6E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	160	4.8	-	1.3E+02		7.7E-03
E1790668	Total Petroleum Hydrocarbons (Aliphatic	150	4.5	-	2.1E+01		4.3E-02
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.89	0.0267	-	1.0E+03		5.1E-06
75-69-4	Trichlorofluoromethane	1.6	0.048	-	-		
95-63-6	Trimethylbenzene, 1,2,4-	1.4	0.042	-	1.3E+01		6.7E-04
108-67-8	Trimethylbenzene, 1,3,5-	0.43	0.0129	-	1.3E+01		2.1E-04
108-05-4	Vinyl Acetate	4.5	0.135	-	4.2E+01		6.5E-04
106-42-3	Xylene, P-	3.6	0.108	-	2.1E+01		1.0E-03
95-47-6	Xylene, o-	1.5	0.045	-	2.1E+01		4.3E-04
					Cumulative:	1.3E-06	**3.4E+00**

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-14 and SVP-15

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	41	1.23	-	6.5E+03		3.8E-05
107-02-8	Acrolein	3.7	0.111	-	4.2E-03		**5.3E+00**
71-43-2	Benzene	9.7	0.291	3.6E-01	6.3E+00	8.1E-07	9.3E-03
108-90-7	Chlorobenzene	1.5	0.045	-	1.0E+01		8.6E-04
67-66-3	Chloroform	1.1	0.033	1.2E-01	2.0E+01	2.7E-07	3.2E-04
74-87-3	Chloromethane	1	0.03	-	1.9E+01		3.2E-04
98-82-8	Cumene	0.88	0.0264	-	8.3E+01		6.3E-05
110-82-7	Cyclohexane	4	0.12	-	1.3E+03		1.9E-05
75-71-8	Dichlorodifluoromethane	3.1	0.093	-	2.1E+01		8.9E-04
141-78-6	Ethyl Acetate	7.4	0.222	-	1.5E+01		3.0E-03
100-41-4	Ethylbenzene	13	0.39	1.1E+00	2.1E+02	3.5E-07	3.7E-04
142-82-5	Heptane, N-	12	0.36	-	8.3E+01		8.6E-04
110-54-3	Hexane, N-	13	0.39	-	1.5E+02		5.3E-04
67-63-0	Isopropanol	7.6	0.228	-	4.2E+01		1.1E-03
78-93-3	Methyl Ethyl Ketone (2-Butanone)	6.6	0.198	-	1.0E+03		3.8E-05
91-20-3	~Naphthalene	0.9	0.027	8.3E-02	6.3E-01	3.3E-07	8.6E-03
103-65-1	Propyl benzene	2	0.06	-	2.1E+02		5.8E-05
100-42-5	Styrene	0.82	0.0246	-	2.1E+02		2.4E-05
108-88-3	Toluene	65	1.95	-	1.0E+03		3.7E-04
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	520	15.6	-	1.3E+02		2.5E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	310	9.3	-	2.1E+01		8.9E-02
E1790674	Total Petroleum Hydrocarbons (Aromatic	81	2.43	-	6.3E-01		**7.8E-01**
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.77	0.0231	-	1.0E+03		4.4E-06
75-69-4	Trichlorofluoromethane	1.9	0.057	-	-		
526-73-8	Trimethylbenzene, 1,2,3-	2.1	0.063	-	1.3E+01		1.0E-03
95-63-6	Trimethylbenzene, 1,2,4-	12	0.36	-	1.3E+01		5.8E-03
108-67-8	Trimethylbenzene, 1,3,5-	3.7	0.111	-	1.3E+01		1.8E-03
108-05-4	Vinyl Acetate	22	0.66	-	4.2E+01		3.2E-03
106-42-3	Xylene, P-	49	1.47	-	2.1E+01		1.4E-02
95-47-6	Xylene, o-	19	0.57	-	2.1E+01		5.5E-03
					Cumulative:	1.8E-06	**6.3E+00**

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: Ambient

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	31	0.93	-	6.5E+03		2.9E-05
107-02-8	Acrolein	3.8	0.114	-	4.2E-03		**5.5E+00**
71-43-2	Benzene	1.8	0.054	3.6E-01	6.3E+00	1.5E-07	1.7E-03
56-23-5	Carbon Tetrachloride	0.47	0.0141	4.7E-01	2.1E+01	3.0E-08	1.4E-04
67-66-3	Chloroform	0.28	0.0084	1.2E-01	2.0E+01	6.9E-08	8.2E-05
74-87-3	Chloromethane	1.4	0.042	-	1.9E+01		4.5E-04
110-82-7	Cyclohexane	1.5	0.045	-	1.3E+03		7.2E-06
75-71-8	Dichlorodifluoromethane	2.8	0.084	-	2.1E+01		8.1E-04
156-60-5	Dichloroethylene, trans-1,2-	0.29	0.0087	-	8.3E+00		2.1E-04
78-87-5	Dichloropropane, 1,2-	0.54	0.0162	7.6E-01	8.3E-01	2.1E-08	3.9E-03
141-78-6	Ethyl Acetate	20	0.6	-	1.5E+01		8.2E-03
100-41-4	Ethylbenzene	1.4	0.042	1.1E+00	2.1E+02	3.7E-08	4.0E-05
142-82-5	Heptane, N-	1.5	0.045	-	8.3E+01		1.1E-04
110-54-3	Hexane, N-	3.1	0.093	-	1.5E+02		1.3E-04
591-78-6	Hexanone, 2-	1.1	0.033	-	6.3E+00		1.1E-03
67-63-0	Isopropanol	9	0.27	-	4.2E+01		1.3E-03
78-93-3	Methyl Ethyl Ketone (2-Butanone)	4.6	0.138	-	1.0E+03		2.6E-05
108-10-1	Methyl Isobutyl Ketone (4-methyl-2-pentanone)	0.39	0.0117	-	6.3E+02		3.7E-06
80-62-6	Methyl Methacrylate	0.66	0.0198	-	1.5E+02		2.7E-05
75-09-2	Methylene Chloride	0.99	0.0297	1.0E+02	1.3E+02	2.9E-10	4.7E-05
100-42-5	Styrene	1.6	0.048	-	2.1E+02		4.6E-05
108-88-3	Toluene	18	0.54	-	1.0E+03		1.0E-04
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	220	6.6	-	1.3E+02		1.1E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	110	3.3	-	2.1E+01		3.2E-02
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.75	0.0225	-	1.0E+03		4.3E-06
75-69-4	Trichlorofluoromethane	1.5	0.045	-	-		
95-63-6	Trimethylbenzene, 1,2,4-	1.2	0.036	-	1.3E+01		5.8E-04
108-67-8	Trimethylbenzene, 1,3,5-	0.35	0.0105	-	1.3E+01		1.7E-04
108-05-4	Vinyl Acetate	6.1	0.183	-	4.2E+01		8.8E-04
106-42-3	Xylene, P-	3.4	0.102	-	2.1E+01		9.8E-04
95-47-6	Xylene, o-	1.4	0.042	-	2.1E+01		4.0E-04
					Cumulative:	3.1E-07	**5.5E+00**

RISK CALCULATOR OUTPUTS

October 15, 2021

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: June 2021

Basis: May 2021 EPA RSL Table

Site ID:

Exposure Unit ID: SVP-22

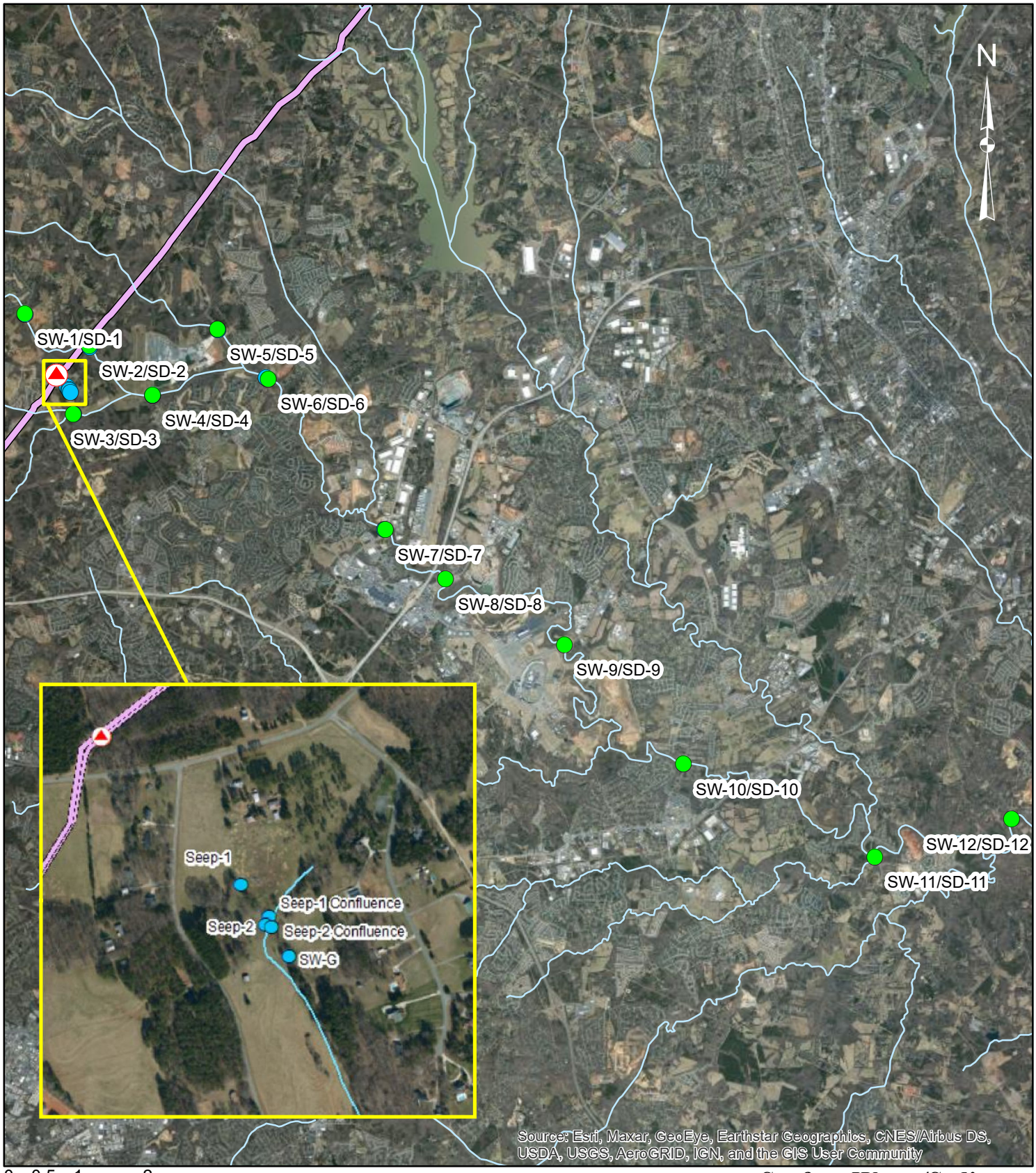
Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	17	0.51	-	6.5E+03		1.6E-05
107-02-8	Acrolein	3.7	0.111	-	4.2E-03		**5.3E+00**
71-43-2	Benzene	0.89	0.0267	3.6E-01	6.3E+00	7.4E-08	8.5E-04
100-44-7	Benzyl Chloride	0.52	0.0156	5.7E-02	2.1E-01	2.7E-07	1.5E-02
108-90-7	Chlorobenzene	0.98	0.0294	-	1.0E+01		5.6E-04
67-66-3	Chloroform	0.29	0.0087	1.2E-01	2.0E+01	7.1E-08	8.5E-05
74-87-3	Chloromethane	0.5	0.015	-	1.9E+01		1.6E-04
110-82-7	Cyclohexane	12	0.36	-	1.3E+03		5.8E-05
75-71-8	Dichlorodifluoromethane	1.8	0.054	-	2.1E+01		5.2E-04
100-41-4	Ethylbenzene	1.6	0.048	1.1E+00	2.1E+02	4.3E-08	4.6E-05
87-68-3	Hexachlorobutadiene	1.6	0.048	1.3E-01	-	3.8E-07	
591-78-6	Hexanone, 2-	1.3	0.039	-	6.3E+00		1.2E-03
78-93-3	Methyl Ethyl Ketone (2-Butanone)	2.7	0.081	-	1.0E+03		1.6E-05
108-10-1	Methyl Isobutyl Ketone (4-methyl-2-pentanone)	0.43	0.0129	-	6.3E+02		4.1E-06
75-09-2	Methylene Chloride	3.1	0.093	1.0E+02	1.3E+02	9.2E-10	1.5E-04
91-20-3	~Naphthalene	3.5	0.105	8.3E-02	6.3E-01	**1.3E-06**	3.4E-02
100-42-5	Styrene	0.44	0.0132	-	2.1E+02		1.3E-05
108-88-3	Toluene	6.3	0.189	-	1.0E+03		3.6E-05
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	250	7.5	-	1.3E+02		1.2E-02
E1790668	Total Petroleum Hydrocarbons (Aliphatic	230	6.9	-	2.1E+01		6.6E-02
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.58	0.0174	-	1.0E+03		3.3E-06
120-82-1	Trichlorobenzene, 1,2,4-	2.3	0.069	-	4.2E-01		3.3E-02
79-01-6	Trichloroethylene	0.95	0.0285	4.8E-01	4.2E-01	6.0E-08	1.4E-02
75-69-4	Trichlorofluoromethane	1.2	0.036	-	-		
95-63-6	Trimethylbenzene, 1,2,4-	2.5	0.075	-	1.3E+01		1.2E-03
108-67-8	Trimethylbenzene, 1,3,5-	0.67	0.0201	-	1.3E+01		3.2E-04
108-05-4	Vinyl Acetate	3.1	0.093	-	4.2E+01		4.5E-04
106-42-3	Xylene, P-	6.5	0.195	-	2.1E+01		1.9E-03
95-47-6	Xylene, o-	2.5	0.075	-	2.1E+01		7.2E-04
					Cumulative:	2.2E-06	**5.5E+00**

APPENDIX F

SURFACE WATER SAMPLING INFORMATION



Surface Water/Sediment Sampling Locations

2020-L1-SR2448 Incident
Huntersville, NC

MONTROSE ENVIRONMENTAL

Figure No. 1

Table 1. Surface Water Sampling Results
2020-L1-SR2448 Incident

Location ID	Description	Date	TPH (GRO) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	m,p-Xylene (µg/L)	o-Xylene (µg/L)	Xylenes (µg/L)	Rain Event
	EPA MCL			**5**	**1,000**	**700**	**10,000**	**10,000**	**10,000**	
	EPA Region 4 ESV (acute)			**700**	**560**	**550**	**240**	**240**	**240**	
	15A North Carolina Administrative Code subchapter 02B			**51**	**11**	**97**	**420**	**600**	**670**	
SW-1	**North Prong Clark Creek (Up-gradient of the leak site)**	8/15/2020	<80	<1	<1	<1	<2	<1	<1	
		8/16/2020	<80	<1	<1	<1	<2	<1	<1	
		8/17/2020	<80	<1	<1	<1	<2	<1	<1	
		8/18/2020	<80	<1	<1	<1	<2	<1	<1	
		8/19/2020	<80	<1	<1	<1	<2	<1	<1	
		8/20/2020	<80	<1	<1	<1	<2	<1	<1	
		8/21/2020	<80	<1	<1	<1	<2	<1	<1	
		8/22/2020	<80	<1	<1	<1	<2	<1	<1	
		8/27/2020	<80	<1	<1	<1	<2	<1	<1	
		9/1/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/2/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/3/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/10/2020	<80	<1	<1	<1	<2	<1	<1	
		9/17/2020	<80	<1	<1	<1	<2	<1	<1	
		9/19/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/24/2020	<80	<1	<1	<1	<2	<1	<1	
		9/26/2020	<80	<1	<1	<1	<2	<1	<1	x
		10/1/2020	<80	<1	<1	<1	<2	<1	<1	
		10/7/2020	<80	<1	<1	<1	<2	<1	<1	
		10/12/2020	<80	<1	<1	<1	<2	<1	<1	x
		10/22/2020	<80	<1	<1	<1	<2	<1	<1	
		10/31/2020	<80	<1	<1	<1	<2	<1	<1	
		11/5/2020	<80	<1	<1	<1	<2	<1	<1	
		11/13/2020	<80	<1	<1	<1	<2	<1	<1	x
		11/19/2020	<80	<1	<1	<1	<2	<1	<1	
		12/1/2020	<80	<1	<1	<1	<2	<1	<1	x
		12/17/2020	<80	<1	<1	<1	<2	<1	<1	x
		12/30/2020	<80	<1	<1	<1	<2	<1	<1	
		1/14/2021	<80	<1	<1	<1	<2	<1	<1	
		1/27/2021	<80	<1	<1	<1	<2	<1	<1	x
		2/12/2021	<80	<1	<1	<1	<2	<1	<1	x
		2/26/2021	<80	<1	<1	<1	<2	<1	<1	
		3/10/2021	<80	<1	<1	<1	<2	<1	<1	
		3/19/2021	<80	<1	<1	<1	<2	<1	<1	x
		3/24/2021	<80	<1	<1	<1	<2	<1	<1	
		3/26/2021	<80	<1	<1	<1	<2	<1	<1	x
		4/7/2021	<80	<1	<1	<1	<2	<1	<1	
		4/21/2021	<80	<1	<1	<1	<2	<1	<1	
		5/5/2021	<80	<1	<1	<1	<2	<1	<1	
		5/20/2021	<80	<1	<1	<1	<2	<1	<1	
		6/3/2021	<80	<1	<1	<1	<2	<1	<1	
		6/9/2021	<80	<1	<1	<1	<2	<1	<1	x
		6/16/2021	<80	<1	<1	<1	<2	<1	<1	
		7/2/2021	<80	<1	<1	<1	<2	<1	<1	
		7/14/2021	<80	<1	<1	<1	<2	<1	<1	
		7/16/2021	<80	<1	<1	<1	<2	<1	<1	x
		7/20/2021	<80	<1	<1	<1	<2	<1	<1	x
		7/28/2021	<80	<1	<1	<1	<2	<1	<1	x
		8/11/2021	<80	<1	<1	<1	<2	<1	<1	
		8/18/2021	<80	<1	<1	<1	<2	<1	<1	x
		8/25/2021	<80	<1	<1	<1	<2	<1	<1	
		9/8/2021	<80	<1	<1	<1	<2	<1	<1	
		9/22/2021	<80	<1	<1	<1	<2	<1	<1	
		10/6/2021	<80	<1	<1	<1	<2	<1	<1	

Table 1. Surface Water Sampling Results
2020-L1-SR2448 Incident

Location ID	Description	Date	TPH (GRO) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	m,p-Xylene (µg/L)	o-Xylene (µg/L)	Xylenes (µg/L)	Rain Event
	EPA MCL			**5**	**1,000**	**700**	**10,000**	**10,000**	**10,000**	
	EPA Region 4 ESV (acute)			**700**	**560**	**550**	**240**	**240**	**240**	
	15A North Carolina Administrative Code subchapter 02B			**51**	**11**	**97**	**420**	**600**	**670**	
SW-2	**North Prong Clark Creek (Downgradient of leak site)**	8/15/2020	<80	<1	<1	<1	<2	<1	<1	
		8/16/2020	<80	<1	<1	<1	<2	<1	<1	
		8/17/2020	<80	<1	<1	<1	<2	<1	<1	
		8/18/2020	<80	<1	<1	<1	<2	<1	<1	
		8/19/2020	<80	<1	<1	<1	<2	<1	<1	
		8/20/2020	<80	<1	<1	<1	<2	<1	<1	
		8/21/2020	<80	<1	<1	<1	<2	<1	<1	
		8/22/2020	<80	<1	<1	<1	<2	<1	<1	
		8/27/2020	<80	<1	<1	<1	<2	<1	<1	
		9/1/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/2/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/3/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/10/2020	<80	<1	<1	<1	<2	<1	<1	
		9/17/2020	<80	<1	<1	<1	<2	<1	<1	
		9/19/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/24/2020	<80	<1	<1	<1	<2	<1	<1	
		9/26/2020	<80	<1	<1	<1	<2	<1	<1	x
		10/1/2020	<80	<1	<1	<1	<2	<1	<1	
		10/7/2020	<80	<1	<1	<1	<2	<1	<1	
		10/12/2020	<80	<1	<1	<1	<2	<1	<1	x
		10/22/2020	<80	<1	<1	<1	<2	<1	<1	
		10/31/2020	<80	<1	<1	<1	<2	<1	<1	
		11/5/2020	<80	<1	<1	<1	<2	<1	<1	
		11/13/2020	<80	<1	<1	<1	<2	<1	<1	x
		11/19/2020	<80	<1	<1	<1	<2	<1	<1	
		12/1/2020	<80	<1	<1	<1	<2	<1	<1	x
		12/17/2020	<80	<1	<1	<1	<2	<1	<1	x
		12/30/2020	<80	<1	<1	<1	<2	<1	<1	
		1/14/2021	<80	<1	<1	<1	<2	<1	<1	
		1/27/2021	<80	<1	<1	<1	<2	<1	<1	x
		2/12/2021	<80	<1	<1	<1	<2	<1	<1	x
		2/26/2021	<80	<1	<1	<1	<2	<1	<1	
		3/10/2021	<80	<1	<1	<1	<2	<1	<1	
		3/19/2021	<80	<1	<1	<1	<2	<1	<1	x
		3/24/2021	<80	<1	<1	<1	<2	<1	<1	
		3/26/2021	<80	<1	<1	<1	<2	<1	<1	x
		4/7/2021	<80	<1	<1	<1	<2	<1	<1	
		4/21/2021	<80	<1	<1	<1	<2	<1	<1	
		5/5/2021	<80	<1	<1	<1	<2	<1	<1	
		5/20/2021	<80	<1	<1	<1	<2	<1	<1	
		6/3/2021	<80	<1	<1	<1	<2	<1	<1	
		6/9/2021	<80	<1	<1	<1	<2	<1	<1	x
		6/16/2021	<80	<1	<1	<1	<2	<1	<1	
		7/2/2021	<80	<1	<1	<1	<2	<1	<1	
		7/14/2021	<80	<1	<1	<1	<2	<1	<1	
		7/16/2021	<80	<1	<1	<1	<2	<1	<1	x
		7/20/2021	<80	<1	<1	<1	<2	<1	<1	x
		7/28/2021	<80	<1	<1	<1	<2	<1	<1	x
		8/11/2021	<80	<1	<1	<1	<2	<1	<1	
		8/18/2021	<80	<1	<1	<1	<2	<1	<1	x
		8/25/2021	<80	<1	<1	<1	<2	<1	<1	
		9/8/2021	<80	<1	<1	<1	<2	<1	<1	
		9/22/2021	<80	<1	<1	<1	<2	<1	<1	
		10/6/2021	<80	<1	<1	<1	<2	<1	<1	

Table 1. Surface Water Sampling Results
2020-L1-SR2448 Incident

Location ID	Description	Date	TPH (GRO) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	m,p-Xylene (µg/L)	o-Xylene (µg/L)	Xylenes (µg/L)	Rain Event
	EPA MCL			**5**	**1,000**	**700**	**10,000**	**10,000**	**10,000**	
	EPA Region 4 ESV (acute)			**700**	**560**	**550**	**240**	**240**	**240**	
	15A North Carolina Administrative Code subchapter 02B			**51**	**11**	**97**	**420**	**600**	**670**	
SW-3	**South Prong Clark Creek (Downgradient of the leak site)**	8/15/2020	<80	<1	<1	<1	<2	<1	<1	
		8/16/2020	<80	<1	<1	<1	<2	<1	<1	
		8/17/2020	<80	<1	<1	<1	<2	<1	<1	
		8/18/2020	<80	<1	<1	<1	<2	<1	<1	
		8/19/2020	<80	<1	<1	<1	<2	<1	<1	
		8/20/2020	<80	<1	<1	<1	<2	<1	<1	
		8/21/2020	<80	<1	<1	<1	<2	<1	<1	
		8/22/2020	<80	<1	<1	<1	<2	<1	<1	
		8/27/2020	<80	<1	<1	<1	<2	<1	<1	
		9/1/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/2/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/3/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/10/2020	<80	<1	<1	<1	<2	<1	<1	
		9/17/2020	<80	<1	<1	<1	<2	<1	<1	
		9/19/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/24/2020	<80	<1	<1	<1	<2	<1	<1	
		9/26/2020	<80	<1	<1	<1	<2	<1	<1	x
		10/1/2020	<80	<1	<1	<1	<2	<1	<1	
		10/7/2020	<80	<1	<1	<1	<2	<1	<1	
		10/12/2020	<80	<1	<1	<1	<2	<1	<1	x
		10/22/2020	<80	<1	<1	<1	<2	<1	<1	
		10/31/2020	<80	<1	<1	<1	<2	<1	<1	
		11/5/2020	<80	<1	<1	<1	<2	<1	<1	
		11/13/2020	<80	<1	<1	<1	<2	<1	<1	x
		11/19/2020	<80	<1	<1	<1	<2	<1	<1	
		12/1/2020	<80	<1	<1	<1	<2	<1	<1	x
		12/17/2020	<80	<1	<1	<1	<2	<1	<1	x
		12/30/2020	<80	<1	<1	<1	<2	<1	<1	
		1/14/2021	<80	<1	<1	<1	<2	<1	<1	
		1/27/2021	<80	<1	<1	<1	<2	<1	<1	x
		2/12/2021	<80	<1	<1	<1	<2	<1	<1	x
		2/26/2021	<80	<1	<1	<1	<2	<1	<1	
		3/10/2021	<80	<1	<1	<1	<2	<1	<1	
		3/19/2021	<80	<1	<1	<1	<2	<1	<1	x
		3/24/2021	<80	<1	<1	<1	<2	<1	<1	
		3/26/2021	<80	<1	<1	<1	<2	<1	<1	x
		4/7/2021	<80	<1	<1	<1	<2	<1	<1	
		4/21/2021	<80	<1	<1	<1	<2	<1	<1	
		5/5/2021	<80	<1	<1	<1	<2	<1	<1	
		5/20/2021	<80	<1	<1	<1	<2	<1	<1	
		6/3/2021	<80	<1	<1	<1	<2	<1	<1	
		6/9/2021	<80	<1	<1	<1	<2	<1	<1	x
		6/16/2021	<80	<1	<1	<1	<2	<1	<1	
		7/2/2021	<80	<1	<1	<1	<2	<1	<1	
		7/14/2021	<80	<1	<1	<1	<2	<1	<1	
		7/16/2021	<80	<1	<1	<1	<2	<1	<1	x
		7/20/2021	<80	<1	<1	<1	<2	<1	<1	x
		7/28/2021	<80	<1	<1	<1	<2	<1	<1	x
		8/11/2021	<80	<1	<1	<1	<2	<1	<1	
		8/18/2021	<80	<1	<1	<1	<2	<1	<1	x
		8/25/2021	<80	<1	<1	<1	<2	<1	<1	
		9/8/2021	<80	<1	<1	<1	<2	<1	<1	
		9/22/2021	<80	<1	<1	<1	<2	<1	<1	
		10/6/2021	<80	<1	<1	<1	<2	<1	<1	

Table 1. Surface Water Sampling Results
2020-L1-SR2448 Incident

Location ID	Description	Date	TPH (GRO) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	m,p-Xylene (µg/L)	o-Xylene (µg/L)	Xylenes (µg/L)	Rain Event
	EPA MCL			**5**	**1,000**	**700**	**10,000**	**10,000**	**10,000**	
	EPA Region 4 ESV (acute)			**700**	**560**	**550**	**240**	**240**	**240**	
	15A North Carolina Administrative Code subchapter 02B			**51**	**11**	**97**	**420**	**600**	**670**	
SW-4	**Clarke Creek (Downgradient of North/South Prong Clark Creek confluence)**	8/15/2020	<80	<1	<1	<1	<2	<1	<1	
		8/16/2020	<80	<1	<1	<1	<2	<1	<1	
		8/17/2020	<80	<1	<1	<1	<2	<1	<1	
		8/18/2020	<80	<1	<1	<1	<2	<1	<1	
		8/19/2020	<80	<1	<1	<1	<2	<1	<1	
		8/20/2020	<80	<1	<1	<1	<2	<1	<1	
		8/21/2020	<80	<1	<1	<1	<2	<1	<1	
		8/22/2020	<80	<1	<1	<1	<2	<1	<1	
		8/27/2020	<80	<1	<1	<1	<2	<1	<1	
		9/1/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/2/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/3/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/10/2020	<80	<1	<1	<1	<2	<1	<1	
		9/17/2020	<80	<1	<1	<1	<2	<1	<1	
		9/19/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/24/2020	<80	<1	<1	<1	<2	<1	<1	
		9/26/2020	<80	<1	<1	<1	<2	<1	<1	x
		10/1/2020	<80	<1	<1	<1	<2	<1	<1	
		10/7/2020	<80	<1	<1	<1	<2	<1	<1	
		10/12/2020	<80	<1	<1	<1	<2	<1	<1	x
		10/22/2020	<80	<1	<1	<1	<2	<1	<1	
		10/31/2020	<80	<1	<1	<1	<2	<1	<1	
		11/5/2020	<80	<1	<1	<1	<2	<1	<1	
		11/13/2020	<80	<1	<1	<1	<2	<1	<1	x
		11/19/2020	<80	<1	<1	<1	<2	<1	<1	
		12/1/2020	<80	<1	<1	<1	<2	<1	<1	x
		12/17/2020	<80	<1	<1	<1	<2	<1	<1	x
		12/30/2020	<80	<1	<1	<1	<2	<1	<1	
		1/14/2021	<80	<1	<1	<1	<2	<1	<1	
		1/27/2021	<80	<1	<1	<1	<2	<1	<1	x
		2/12/2021	<80	<1	<1	<1	<2	<1	<1	x
		2/26/2021	<80	<1	<1	<1	<2	<1	<1	
		3/10/2021	<80	<1	<1	<1	<2	<1	<1	
		3/19/2021	<80	<1	<1	<1	<2	<1	<1	x
		3/24/2021	<80	<1	<1	<1	<2	<1	<1	
		3/26/2021	<80	<1	<1	<1	<2	<1	<1	x
		4/7/2021	<80	<1	<1	<1	<2	<1	<1	
		4/21/2021	<80	<1	<1	<1	<2	<1	<1	
		5/5/2021	<80	<1	<1	<1	<2	<1	<1	
		5/20/2021	<80	<1	<1	<1	<2	<1	<1	
		6/3/2021	<80	<1	<1	<1	<2	<1	<1	
		6/9/2021	<80	<1	<1	<1	<2	<1	<1	x
		6/16/2021	<80	<1	<1	<1	<2	<1	<1	
		7/2/2021	<80	<1	<1	<1	<2	<1	<1	
		7/14/2021	<80	<1	<1	<1	<2	<1	<1	
		7/16/2021	<80	<1	<1	<1	<2	<1	<1	x
		7/20/2021	<80	<1	<1	<1	<2	<1	<1	x
		7/28/2021	<80	<1	<1	<1	<2	<1	<1	x
		8/11/2021	<80	<1	<1	<1	<2	<1	<1	
		8/18/2021	<80	<1	<1	<1	<2	<1	<1	x
		8/25/2021	<80	<1	<1	<1	<2	<1	<1	
		9/8/2021	<80	<1	<1	<1	<2	<1	<1	
		9/22/2021	<80	<1	<1	<1	<2	<1	<1	
		10/6/2021	<80	<1	<1	<1	<2	<1	<1	

Table 1. Surface Water Sampling Results
2020-L1-SR2448 Incident

Location ID	Description	Date	TPH (GRO) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	m,p-Xylene (µg/L)	o-Xylene (µg/L)	Xylenes (µg/L)	Rain Event
	EPA MCL			**5**	**1,000**	**700**	**10,000**	**10,000**	**10,000**	
	EPA Region 4 ESV (acute)			**700**	**560**	**550**	**240**	**240**	**240**	
	15A North Carolina Administrative Code subchapter 02B			**51**	**11**	**97**	**420**	**600**	**670**	
SW-5	**Ramah Creek (Upgradient of SW-6)**	8/15/2020	<80	<1	<1	<1	<2	<1	<1	
		8/16/2020	<80	<1	<1	<1	<2	<1	<1	
		8/17/2020	<80	<1	<1	<1	<2	<1	<1	
		8/18/2020	<80	<1	<1	<1	<2	<1	<1	
		8/19/2020	<80	<1	<1	<1	<2	<1	<1	
		8/20/2020	<80	<1	<1	<1	<2	<1	<1	
		8/21/2020	<80	<1	<1	<1	<2	<1	<1	
		8/22/2020	<80	<1	<1	<1	<2	<1	<1	
		8/27/2020	<80	<1	<1	<1	<2	<1	<1	
		9/1/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/2/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/3/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/10/2020	<80	<1	<1	<1	<2	<1	<1	
		9/17/2020	<80	<1	<1	<1	<2	<1	<1	
		9/19/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/24/2020	<80	<1	<1	<1	<2	<1	<1	
		9/26/2020	<80	<1	<1	<1	<2	<1	<1	x
		10/1/2020	<80	<1	<1	<1	<2	<1	<1	
		10/7/2020	<80	<1	<1	<1	<2	<1	<1	
		10/12/2020	<80	<1	<1	<1	<2	<1	<1	x
		10/22/2020	<80	<1	<1	<1	<2	<1	<1	
		10/31/2020	<80	<1	<1	<1	<2	<1	<1	
		11/5/2020	<80	<1	<1	<1	<2	<1	<1	
		11/13/2020	<80	<1	<1	<1	<2	<1	<1	x
		11/19/2020	<80	<1	<1	<1	<2	<1	<1	
		12/1/2020	<80	<1	<1	<1	<2	<1	<1	x
		12/17/2020	<80	<1	<1	<1	<2	<1	<1	x
		12/30/2020	<80	<1	<1	<1	<2	<1	<1	
		1/14/2021	<80	<1	<1	<1	<2	<1	<1	
		1/27/2021	<80	<1	<1	<1	<2	<1	<1	x
		2/12/2021	<80	<1	<1	<1	<2	<1	<1	x
		2/26/2021	<80	<1	<1	<1	<2	<1	<1	
		3/10/2021	<80	<1	<1	<1	<2	<1	<1	
		3/19/2021	<80	<1	<1	<1	<2	<1	<1	x
		3/24/2021	<80	<1	<1	<1	<2	<1	<1	
		3/26/2021	<80	<1	<1	<1	<2	<1	<1	x
		4/7/2021	<80	<1	<1	<1	<2	<1	<1	
		4/21/2021	<80	<1	<1	<1	<2	<1	<1	
		5/5/2021	<80	<1	<1	<1	<2	<1	<1	
		5/20/2021	<80	<1	<1	<1	<2	<1	<1	
		6/3/2021	<80	<1	<1	<1	<2	<1	<1	
		6/9/2021	<80	<1	<1	<1	<2	<1	<1	x
		6/16/2021	<80	<1	<1	<1	<2	<1	<1	
		7/2/2021	<80	<1	<1	<1	<2	<1	<1	
		7/14/2021	<80	<1	<1	<1	<2	<1	<1	
		7/16/2021	<80	<1	<1	<1	<2	<1	<1	x
		7/20/2021	<80	<1	<1	<1	<2	<1	<1	x
		7/28/2021	<80	<1	<1	<1	<2	<1	<1	x
		8/11/2021	<80	<1	<1	<1	<2	<1	<1	
		8/18/2021	<80	<1	<1	<1	<2	<1	<1	x
		8/25/2021	<80	<1	<1	<1	<2	<1	<1	
		9/8/2021	<80	<1	<1	<1	<2	<1	<1	
		9/22/2021	<80	<1	<1	<1	<2	<1	<1	
		10/6/2021	<80	<1	<1	<1	<2	<1	<1	

Table 1. Surface Water Sampling Results
2020-L1-SR2448 Incident

Location ID	Description	Date	TPH (GRO) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	m,p-Xylene (µg/L)	o-Xylene (µg/L)	Xylenes (µg/L)	Rain Event
	EPA MCL			**5**	**1,000**	**700**	**10,000**	**10,000**	**10,000**	
	EPA Region 4 ESV (acute)			**700**	**560**	**550**	**240**	**240**	**240**	
	15A North Carolina Administrative Code subchapter 02B			**51**	**11**	**97**	**420**	**600**	**670**	
SW-6	**Clarke Creek (Downgradient of Ramah Creek confluence)**	8/15/2020	<80	<1	<1	<1	<2	<1	<1	
		8/16/2020	<80	<1	<1	<1	<2	<1	<1	
		8/17/2020	<80	<1	<1	<1	<2	<1	<1	
		8/18/2020	<80	<1	<1	<1	<2	<1	<1	
		8/19/2020	<80	<1	<1	<1	<2	<1	<1	
		8/20/2020	<80	<1	<1	<1	<2	<1	<1	
		8/21/2020	<80	<1	<1	<1	<2	<1	<1	
		8/22/2020	<80	<1	<1	<1	<2	<1	<1	
		8/27/2020	<80	<1	<1	<1	<2	<1	<1	
		9/1/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/2/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/3/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/10/2020	<80	<1	<1	<1	<2	<1	<1	
		9/17/2020	<80	<1	<1	<1	<2	<1	<1	
		9/19/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/24/2020	<80	<1	<1	<1	<2	<1	<1	
		9/26/2020	<80	<1	<1	<1	<2	<1	<1	x
		10/1/2020	<80	<1	<1	<1	<2	<1	<1	
		10/7/2020	<80	<1	<1	<1	<2	<1	<1	
		10/12/2020	<80	<1	<1	<1	<2	<1	<1	x
		10/22/2020	<80	<1	<1	<1	<2	<1	<1	
		10/31/2020	<80	<1	<1	<1	<2	<1	<1	
		11/5/2020	<80	<1	<1	<1	<2	<1	<1	
		11/13/2020	<80	<1	<1	<1	<2	<1	<1	x
		11/19/2020	<80	<1	<1	<1	<2	<1	<1	
		12/1/2020	<80	<1	<1	<1	<2	<1	<1	x
		12/17/2020	<80	<1	<1	<1	<2	<1	<1	x
		12/30/2020	<80	<1	<1	<1	<2	<1	<1	
		1/14/2021	<80	<1	<1	<1	<2	<1	<1	
		1/27/2021	<80	<1	<1	<1	<2	<1	<1	x
		2/12/2021	<80	<1	<1	<1	<2	<1	<1	x
		2/26/2021	<80	<1	<1	<1	<2	<1	<1	
		3/10/2021	<80	<1	<1	<1	<2	<1	<1	
		3/19/2021	<80	<1	<1	<1	<2	<1	<1	x
		3/24/2021	<80	<1	<1	<1	<2	<1	<1	
		3/26/2021	<80	<1	<1	<1	<2	<1	<1	x
		4/7/2021	<80	<1	<1	<1	<2	<1	<1	
		4/21/2021	<80	<1	<1	<1	<2	<1	<1	
		5/5/2021	<80	<1	<1	<1	<2	<1	<1	
		5/20/2021	<80	<1	<1	<1	<2	<1	<1	
		6/3/2021	<80	<1	<1	<1	<2	<1	<1	
		6/9/2021	<80	<1	<1	<1	<2	<1	<1	x
		6/16/2021	<80	<1	<1	<1	<2	<1	<1	
		7/2/2021	<80	<1	<1	<1	<2	<1	<1	
		7/14/2021	<80	<1	<1	<1	<2	<1	<1	
		7/16/2021	<80	<1	<1	<1	<2	<1	<1	x
		7/20/2021	<80	<1	<1	<1	<2	<1	<1	x
		7/28/2021	<80	<1	<1	<1	<2	<1	<1	x
		8/11/2021	<80	<1	<1	<1	<2	<1	<1	
		8/18/2021	<80	<1	<1	<1	<2	<1	<1	x
		8/25/2021	<80	<1	<1	<1	<2	<1	<1	
		9/8/2021	<80	<1	<1	<1	<2	<1	<1	
		9/22/2021	<80	<1	<1	<1	<2	<1	<1	
		10/6/2021	<80	<1	<1	<1	<2	<1	<1	

Table 1. Surface Water Sampling Results
2020-L1-SR2448 Incident

Location ID	Description	Date	TPH (GRO) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	m,p-Xylene (µg/L)	o-Xylene (µg/L)	Xylenes (µg/L)	Rain Event
	EPA MCL			**5**	**1,000**	**700**	**10,000**	**10,000**	**10,000**	
	EPA Region 4 ESV (acute)			**700**	**560**	**550**	**240**	**240**	**240**	
	15A North Carolina Administrative Code subchapter 02B			**51**	**11**	**97**	**420**	**600**	**670**	
SW-7	**Rocky River (Downgradient of Clarke River confluence)**	8/15/2020	<80	<1	<1	<1	<2	<1	<1	
		8/16/2020	<80	<1	<1	<1	<2	<1	<1	
		8/17/2020	<80	<1	<1	<1	<2	<1	<1	
		8/18/2020	<80	<1	<1	<1	<2	<1	<1	
		8/19/2020	<80	<1	<1	<1	<2	<1	<1	
		8/20/2020	<80	<1	<1	<1	<2	<1	<1	
		8/21/2020	<80	<1	<1	<1	<2	<1	<1	
		8/22/2020	<80	<1	<1	<1	<2	<1	<1	
		8/27/2020	<80	<1	<1	<1	<2	<1	<1	
		9/1/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/2/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/3/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/10/2020	<80	<1	<1	<1	<2	<1	<1	
		9/17/2020	<80	<1	<1	<1	<2	<1	<1	
		9/19/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/24/2020	<80	<1	<1	<1	<2	<1	<1	
		9/26/2020	<80	<1	<1	<1	<2	<1	<1	x
		10/1/2020	<80	<1	<1	<1	<2	<1	<1	
		10/7/2020	<80	<1	<1	<1	<2	<1	<1	
		10/12/2020	<80	<1	<1	<1	<2	<1	<1	x
		10/22/2020	<80	<1	<1	<1	<2	<1	<1	
		10/31/2020	<80	<1	<1	<1	<2	<1	<1	
		11/5/2020	<80	<1	<1	<1	<2	<1	<1	
		11/13/2020	<80	<1	<1	<1	<2	<1	<1	x
		11/19/2020	<80	<1	<1	<1	<2	<1	<1	
		12/1/2020	<80	<1	<1	<1	<2	<1	<1	x
		12/17/2020	<80	<1	<1	<1	<2	<1	<1	x
		12/30/2020	<80	<1	<1	<1	<2	<1	<1	
		1/14/2021	<80	<1	<1	<1	<2	<1	<1	
		1/27/2021	<80	<1	<1	<1	<2	<1	<1	x
		2/12/2021	<80	<1	<1	<1	<2	<1	<1	x
		2/26/2021	<80	<1	<1	<1	<2	<1	<1	
		3/10/2021	<80	<1	<1	<1	<2	<1	<1	
		3/19/2021	<80	<1	<1	<1	<2	<1	<1	x
		3/24/2021	<80	<1	<1	<1	<2	<1	<1	
		3/26/2021	<80	<1	<1	<1	<2	<1	<1	x
		4/7/2021	<80	<1	<1	<1	<2	<1	<1	
		4/21/2021	<80	<1	<1	<1	<2	<1	<1	
		5/5/2021	<80	<1	<1	<1	<2	<1	<1	
		5/20/2021	<80	<1	<1	<1	<2	<1	<1	
		6/3/2021	<80	<1	<1	<1	<2	<1	<1	
		6/9/2021	<80	<1	<1	<1	<2	<1	<1	x
		6/16/2021	<80	<1	<1	<1	<2	<1	<1	
		7/2/2021	<80	<1	<1	<1	<2	<1	<1	
		7/14/2021	<80	<1	<1	<1	<2	<1	<1	
		7/16/2021	<80	<1	<1	<1	<2	<1	<1	x
		7/20/2021	<80	<1	<1	<1	<2	<1	<1	x
		7/28/2021	<80	<1	<1	<1	<2	<1	<1	x
		8/11/2021	<80	<1	<1	<1	<2	<1	<1	
		8/18/2021	<80	<1	<1	<1	<2	<1	<1	x
		8/25/2021	<80	<1	<1	<1	<2	<1	<1	
		9/8/2021	<80	<1	<1	<1	<2	<1	<1	
		9/22/2021	<80	<1	<1	<1	<2	<1	<1	
		10/6/2021	<80	<1	<1	<1	<2	<1	<1	

Table 1. Surface Water Sampling Results
2020-L1-SR2448 Incident

Location ID	Description	Date	TPH (GRO) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	m,p-Xylene (µg/L)	o-Xylene (µg/L)	Xylenes (µg/L)	Rain Event
	EPA MCL			**5**	**1,000**	**700**	**10,000**	**10,000**	**10,000**	
	EPA Region 4 ESV (acute)			**700**	**560**	**550**	**240**	**240**	**240**	
	15A North Carolina Administrative Code subchapter 02B			**51**	**11**	**97**	**420**	**600**	**670**	
SW-8	**Rocky River (Downgradient of Clarke River confluence)**	8/15/2020	<80	<1	<1	<1	<2	<1	<1	
		8/16/2020	<80	<1	<1	<1	<2	<1	<1	
		8/17/2020	<80	<1	<1	<1	<2	<1	<1	
		8/18/2020	<80	<1	<1	<1	<2	<1	<1	
		8/19/2020	<80	<1	<1	<1	<2	<1	<1	
		8/20/2020	<80	<1	<1	<1	<2	<1	<1	
		8/21/2020	<80	<1	<1	<1	<2	<1	<1	
		8/22/2020	<80	<1	<1	<1	<2	<1	<1	
SW-9	**Rocky River (Downgradient of Clarke River confluence)**	8/15/2020	<80	<1	<1	<1	<2	<1	<1	
		8/16/2020	<80	<1	<1	<1	<2	<1	<1	
		8/17/2020	<80	<1	<1	<1	<2	<1	<1	
		8/18/2020	<80	<1	<1	<1	<2	<1	<1	
		8/19/2020	<80	<1	<1	<1	<2	<1	<1	
		8/20/2020	<80	<1	<1	<1	<2	<1	<1	
		8/21/2020	<80	<1	<1	<1	<2	<1	<1	
		8/22/2020	<80	<1	<1	<1	<2	<1	<1	
SW-10	**Rocky River (Downgradient of Clarke River confluence)**	8/15/2020	<80	<1	<1	<1	<2	<1	<1	
		8/16/2020	<80	<1	<1	<1	<2	<1	<1	
		8/17/2020	<80	<1	<1	<1	<2	<1	<1	
		8/18/2020	<80	<1	<1	<1	<2	<1	<1	
		8/19/2020	<80	<1	<1	<1	<2	<1	<1	
		8/20/2020	<80	<1	<1	<1	<2	<1	<1	
		8/21/2020	<80	<1	<1	<1	<2	<1	<1	
		8/22/2020	<80	<1	<1	<1	<2	<1	<1	
SW-11	**Rocky River (Downgradient of Mallard Creek)**	8/15/2020	<80	<1	<1	<1	<2	<1	<1	
		8/16/2020	<80	<1	<1	<1	<2	<1	<1	
		8/17/2020	<80	<1	<1	<1	<2	<1	<1	
		8/18/2020	<80	<1	<1	<1	<2	<1	<1	
		8/19/2020	<80	<1	<1	<1	<2	<1	<1	
		8/20/2020	<80	<1	<1	<1	<2	<1	<1	
		8/21/2020	<80	<1	<1	<1	<2	<1	<1	
		8/22/2020	<80	<1	<1	<1	<2	<1	<1	
SW-12	**Rocky River (Downgradient of Back Creek)**	8/15/2020	<80	<1	<1	<1	<2	<1	<1	
		8/16/2020	<80	<1	<1	<1	<2	<1	<1	
		8/17/2020	<80	<1	<1	<1	<2	<1	<1	
		8/18/2020	<80	<1	<1	<1	<2	<1	<1	
		8/19/2020	<80	<1	<1	<1	<2	<1	<1	
		8/20/2020	<80	<1	<1	<1	<2	<1	<1	
		8/21/2020	<80	<1	<1	<1	<2	<1	<1	
		8/22/2020	<80	<1	<1	<1	<2	<1	<1	

Table 1. Surface Water Sampling Results
2020-L1-SR2448 Incident

Location ID	Description	Date	TPH (GRO) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	m,p-Xylene (µg/L)	o-Xylene (µg/L)	Xylenes (µg/L)	Rain Event
	EPA MCL			**5**	**1,000**	**700**	**10,000**	**10,000**	**10,000**	
	EPA Region 4 ESV (acute)			**700**	**560**	**550**	**240**	**240**	**240**	
	15A North Carolina Administrative Code subchapter 02B			**51**	**11**	**97**	**420**	**600**	**670**	
SW-Seep	**Downgradient of Site**	9/1/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/2/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/3/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/10/2020	<80	<1	<1	<1	<2	<1	<1	
		9/17/2020	<80	<1	<1	<1	<2	<1	<1	
		9/19/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/24/2020	<80	<1	<1	<1	<2	<1	<1	
		9/26/2020	<80	<1	<1	<1	<2	<1	<1	x
		10/1/2020	<80	<1	<1	<1	<2	<1	<1	
		10/7/2020	<80	<1	<1	<1	<2	<1	<1	
		10/12/2020	<80	<1	<1	<1	<2	<1	<1	x
		10/22/2020	<80	<1	<1	<1	<2	<1	<1	
		10/31/2020	<80	<1	<1	<1	<2	<1	<1	
		11/5/2020	<80	<1	<1	<1	<2	<1	<1	
		11/13/2020	<80	<1	<1	<1	<2	<1	<1	x
		11/19/2020	<80	<1	<1	<1	<2	<1	<1	
		12/1/2020	<80	<1	<1	<1	<2	<1	<1	x
		12/17/2020	<80	<1	<1	<1	<2	<1	<1	x
		12/30/2020	<80	<1	<1	<1	<2	<1	<1	
		1/14/2021	<80	<1	<1	<1	<2	<1	<1	
		1/27/2021	<80	<1	<1	<1	<2	<1	<1	x
		2/12/2021	<80	<1	<1	<1	<2	<1	<1	x
		2/26/2021	<80	<1	<1	<1	<2	<1	<1	
		3/10/2021	<80	<1	<1	<1	<2	<1	<1	
		3/19/2021	<80	<1	<1	<1	<2	<1	<1	x
		3/24/2021	<80	<1	<1	<1	<2	<1	<1	
		3/26/2021	<80	<1	<1	<1	<2	<1	<1	x
		4/7/2021	<80	<1	<1	<1	<2	<1	<1	
		4/21/2021	<80	<1	**4**	<1	<2	<1	<1	
		5/5/2021	<80	<1	**6.7**	<1	<2	<1	<1	
		5/20/2021	<80	<1	<1	<1	<2	<1	<1	
		6/3/2021	<80	<1	<1	<1	<2	<1	<1	
		6/9/2021	<80	<1	<1	<1	<2	<1	<1	x
		6/16/2021	<80	<1	<1	<1	<2	<1	<1	
		7/2/2021	<80	<1	<1	<1	<2	<1	<1	
		7/14/2021	<80	<1	<1	<1	<2	<1	<1	
		7/16/2021	<80	<1	<1	<1	<2	<1	<1	x
		7/20/2021	<80	<1	<1	<1	<2	<1	<1	x
		7/28/2021	<80	<1	<1	<1	<2	<1	<1	x
		8/11/2021	<80	<1	<1	<1	<2	<1	<1	
		8/18/2021	<80	<1	<1	<1	<2	<1	<1	x
		8/25/2021	<80	<1	<1	<1	<2	<1	<1	
		9/8/2021	<80	<1	<1	<1	<2	<1	<1	
		9/22/2021	<80	<1	<1	<1	<2	<1	<1	
		10/6/2021	<80	<1	<1	<1	<2	<1	<1	

Table 1. Surface Water Sampling Results
2020-L1-SR2448 Incident

Location ID	Description	Date	TPH (GRO) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	m,p-Xylene (µg/L)	o-Xylene (µg/L)	Xylenes (µg/L)	Rain Event
	EPA MCL			**5**	**1,000**	**700**	**10,000**	**10,000**	**10,000**	
	EPA Region 4 ESV (acute)			**700**	**560**	**550**	**240**	**240**	**240**	
	15A North Carolina Administrative Code subchapter 02B			**51**	**11**	**97**	**420**	**600**	**670**	
SW-Confluence	**Downgradient of Site**	9/1/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/2/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/3/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/10/2020	<80	<1	<1	<1	<2	<1	<1	
		9/17/2020	<80	<1	<1	<1	<2	<1	<1	
		9/19/2020	<80	<1	<1	<1	<2	<1	<1	x
		9/24/2020	<80	<1	<1	<1	<2	<1	<1	
		9/26/2020	<80	<1	<1	<1	<2	<1	<1	x
		10/1/2020	<80	<1	<1	<1	<2	<1	<1	
		10/7/2020	<80	<1	<1	<1	<2	<1	<1	
		10/12/2020	<80	<1	<1	<1	<2	<1	<1	x
		10/22/2020	<80	<1	<1	<1	<2	<1	<1	
		10/31/2020	<80	<1	<1	<1	<2	<1	<1	
		11/5/2020	<80	<1	<1	<1	<2	<1	<1	
		11/13/2020	<80	<1	<1	<1	<2	<1	<1	x
		11/19/2020	<80	<1	<1	<1	<2	<1	<1	
		12/1/2020	<80	<1	<1	<1	<2	<1	<1	x
		12/17/2020	<80	<1	<1	<1	<2	<1	<1	x
		12/30/2020	<80	<1	<1	<1	<2	<1	<1	
		1/14/2021	<80	<1	<1	<1	<2	<1	<1	
		1/27/2021	<80	<1	<1	<1	<2	<1	<1	x
		2/12/2021	<80	<1	<1	<1	<2	<1	<1	x
		2/26/2021	<80	<1	<1	<1	<2	<1	<1	
		3/10/2021	<80	<1	<1	<1	<2	<1	<1	
		3/19/2021	<80	<1	<1	<1	<2	<1	<1	x
		3/24/2021	<80	<1	<1	<1	<2	<1	<1	
		3/26/2021	<80	<1	<1	<1	<2	<1	<1	x
		4/7/2021	<80	<1	<1	<1	<2	<1	<1	
		4/21/2021	<80	<1	<1	<1	<2	<1	<1	
		5/5/2021	<80	<1	<1	<1	<2	<1	<1	
		5/20/2021	<80	<1	<1	<1	<2	<1	<1	
		6/3/2021	<80	<1	<1	<1	<2	<1	<1	
		6/9/2021	<80	<1	<1	<1	<2	<1	<1	x
		6/16/2021	<80	<1	<1	<1	<2	<1	<1	
		7/2/2021	<80	<1	<1	<1	<2	<1	<1	
		7/14/2021	<80	<1	<1	<1	<2	<1	<1	
		7/16/2021	<80	<1	<1	<1	<2	<1	<1	x
		7/20/2021	<80	<1	<1	<1	<2	<1	<1	x
		7/28/2021	<80	<1	<1	<1	<2	<1	<1	x
		8/11/2021	<80	<1	<1	<1	<2	<1	<1	
		8/18/2021	<80	<1	<1	<1	<2	<1	<1	x
		8/25/2021	<80	<1	<1	<1	<2	<1	<1	
		9/8/2021	<80	<1	<1	<1	<2	<1	<1	
		9/22/2021	<80	<1	<1	<1	<2	<1	<1	
		10/6/2021	<80	<1	<1	<1	<2	<1	<1	

Table 1. Surface Water Sampling Results
2020-L1-SR2448 Incident

Location ID	Description	Date	TPH (GRO) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	m,p-Xylene (µg/L)	o-Xylene (µg/L)	Xylenes (µg/L)	Rain Event
	EPA MCL			**5**	**1,000**	**700**	**10,000**	**10,000**	**10,000**	
	EPA Region 4 ESV (acute)			**700**	**560**	**550**	**240**	**240**	**240**	
	15A North Carolina Administrative Code subchapter 02B			**51**	**11**	**97**	**420**	**600**	**670**	
SW-Seep 2	**Downgradient of SW-Seep Location**	3/10/2021	<80	<1	<1	<1	<2	<1	<1	
		3/19/2021	<80	<1	<1	<1	<2	<1	<1	x
		3/24/2021	<80	<1	<1	<1	<2	<1	<1	
		3/26/2021	<80	<1	<1	<1	<2	<1	<1	x
		4/7/2021	<80	<1	<1	<1	<2	<1	<1	
		4/21/2021	<80	<1	<1	<1	<2	<1	<1	
		5/5/2021	<80	<1	<1	<1	<2	<1	<1	
		5/20/2021	<80	<1	<1	<1	<2	<1	<1	
		6/3/2021	<80	<1	<1	<1	<2	<1	<1	
		6/9/2021	<80	<1	<1	<1	<2	<1	<1	x
		6/16/2021	<80	<1	<1	<1	<2	<1	<1	
		7/2/2021	<80	<1	<1	<1	<2	<1	<1	
		7/14/2021	<80	<1	<1	<1	<2	<1	<1	
		7/16/2021	<80	<1	<1	<1	<2	<1	<1	x
		7/20/2021	<80	<1	<1	<1	<2	<1	<1	x
		7/28/2021	<80	<1	<1	<1	<2	<1	<1	x
		8/11/2021	<80	<1	<1	<1	<2	<1	<1	
		8/18/2021	<80	<1	<1	<1	<2	<1	<1	x
		8/25/2021	<80	<1	<1	<1	<2	<1	<1	
		9/8/2021	<80	<1	<1	<1	<2	<1	<1	
		9/22/2021	<80	<1	<1	<1	<2	<1	<1	
		10/6/2021	<80	<1	<1	<1	<2	<1	<1	
SW-Confluence 2	**Downgradient of SW-Confluence Location**	3/10/2021	<80	<1	<1	<1	<2	<1	<1	
		3/19/2021	<80	<1	<1	<1	<2	<1	<1	x
		3/24/2021	<80	<1	<1	<1	<2	<1	<1	
		3/26/2021	<80	<1	<1	<1	<2	<1	<1	x
		4/7/2021	<80	<1	<1	<1	<2	<1	<1	
		4/21/2021	<80	<1	<1	<1	<2	<1	<1	
		5/5/2021	<80	<1	<1	<1	<2	<1	<1	
		5/20/2021	<80	<1	<1	<1	<2	<1	<1	
		6/3/2021	<80	<1	<1	<1	<2	<1	<1	
		6/9/2021	<80	<1	<1	<1	<2	<1	<1	x
		6/16/2021	<80	<1	<1	<1	<2	<1	<1	
		7/2/2021	<80	<1	<1	<1	<2	<1	<1	
		7/14/2021	<80	<1	<1	<1	<2	<1	<1	
		7/16/2021	<80	<1	<1	<1	<2	<1	<1	x
		7/20/2021	<80	<1	<1	<1	<2	<1	<1	x
		7/28/2021	<80	<1	<1	<1	<2	<1	<1	x
		8/11/2021	<80	<1	<1	<1	<2	<1	<1	
		8/18/2021	<80	<1	<1	<1	<2	<1	<1	x
		8/25/2021	<80	<1	<1	<1	<2	<1	<1	
		9/8/2021	<80	<1	<1	<1	<2	<1	<1	
		9/22/2021	<80	<1	<1	<1	<2	<1	<1	
		10/6/2021	<80	<1	<1	<1	<2	<1	<1	
SW-G	**Downgradient of SW-Confluence 2 Location at Culvert**	7/2/2021	<80	<1	<1	<1	<2	<1	<1	
		7/14/2021	<80	<1	<1	<1	<2	<1	<1	
		7/16/2021	<80	<1	<1	<1	<2	<1	<1	x
		7/20/2021	<80	<1	<1	<1	<2	<1	<1	x
		7/28/2021	<80	<1	<1	<1	<2	<1	<1	x
		8/11/2021	<80	<1	<1	<1	<2	<1	<1	
		8/18/2021	<80	<1	<1	<1	<2	<1	<1	x
		8/25/2021	<80	<1	<1	<1	<2	<1	<1	
		9/8/2021	<80	<1	<1	<1	<2	<1	<1	
		9/22/2021	<80	<1	<1	<1	<2	<1	<1	
		10/6/2021	<80	<1	<1	<1	<2	<1	<1	

Notes:

	Sample collected, results pending
x	Rainfall event (Rain > 1-inch within 24-hour period)
Bold Values	Bold values indicate compound was detected above laboratory reporting limit

Table 2. Surface Water General Parameter Measurements
2020-L1-SR2448 Incident

Location ID	Description	Date	Temperature (°C)	pH (STU)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	Rain Event
SW-1	North Prong Clark Creek (Up-gradient of the leak site)	8/15/2020	26.66	7.58	57	0.146	4.75	10.1	
		8/16/2020	26.74	7.47	106	0.133	7.01	9.6	
		8/17/2020	25.78	7.47	101	0.137	4.88	2.9	
		8/18/2020	23.71	7.52	39	0.168	5.77	15.00	
		8/19/2020	26.20	7.45	126	0.13	3.92	5.7	
		8/20/2020	24.58	7.52	150	0.135	3.31	13	
		8/21/2020	23.23	7.51	166	0.114	2.92	46.6	
		8/22/2020	25.05	7.27	121	0.123	4.34	9.5	
		8/27/2020	27.40	7.47	186	0.147	3.89	1.3	
		9/1/2020	28.48	7.65	175	0.135	3.7	11.9	x
		9/2/2020	31.39	8.09	152	0.115	4.95	22.4	x
		9/3/2020	29.03	7.55	176	0.123	4.71	6.5	x
		9/10/2020	25.84	7.3	190	0.127	2.97	17.9	
		9/17/2020	25.13	7.55	194	0.096	6.76	14.8	
		9/19/2020	23.10	7.31	184	0.104	5.44	11.2	x
		9/24/2020	20.04	7.06	162	0.084	2.8	0	
		9/26/2020	20.60	6.77	170	0.075	7.49	0	x
		10/1/2020	19.57	7.16	168	0.094	2.53	20.1	
		10/7/2020	18.23	6.18	297	0.195	5.94	0	
		10/12/2020	21.52	6.61	223	0.072	4.98	177	x
		10/22/2020	19.07	6.77	215	0.09	2.44	7.3	
		10/31/2020	15.83	7.41	218	0.088	8.67	77.6	
		11/5/2020	17.29	7	174	0.063	5.78	45.6	
		11/13/2020	19.09	6.67	260	0.029	11.36	208	x
		11/19/2020	10.99	6.57	186	0.077	7.95	72.2	
		12/1/2020	11.60	6.98	90.2	0.13	9.21	32	x
		12/17/2020	9.30	7	146	0.126	10.07	28.2	x
		12/30/2020	7.00	6.69	95.9	0.138	81.2	22.9	
		1/14/2021	10.10	7.18	153.2	0.153	16.32	13.1	
		1/27/2021	11.80	7.31	151.7	0.153	14.8	17.3	x
		2/12/2021	6.90	7	187.3	0.131	12	27.2	x
		2/26/2021	10.50	6.54	234.2	0.161	9.04	39.8	
		3/10/2021	17.20	7.38	177	0.145	14.49	22.8	
		3/19/2021	12.70	7.1	200	0.132	9.02	27.3	x
		3/24/2021	15.80	7.14	152.8	0.145	10.28	23.6	
		3/26/2021	20.10	7.62	185.5	0.12	8.4	46.8	x
		4/7/2021	22.60	7.25	180.7	0.144	9.65	11.1	
		4/21/2021	20.20	7.33	167.3	0.164	10.79	6.54	
		5/5/2021	24.80	7.61	165.8	0.171	7.9	8.12	
		5/20/2021	23.00	7.39	195.8	0.179	13.57	13.21	
		6/3/2021	22.80	7.29	98.2	0.2	11.08	9.53	
		6/9/2021	27.90	7.35	167.1	0.145	9.74	7.08	x
		6/16/2021	24.70	7.54	113.4	0.185	8.53	8.11	
		7/2/2021	28.50	7.69	110.3	0.162	7.89	10.55	
		7/14/2021	27.20	6.88	105.2	0.201	11.53	4.1	
		7/16/2021	31.20	7.38	88.9	0.186	7.74	3.85	x
		7/20/2021	27.30	6.99	122.9	0.154	9.17	7.88	x
		7/28/2021	26.20	6.4	38.6	0.226	1.73	3.67	x
		8/11/2021	24.50	7.19	134.8	0.267	6.66	2.37	
		8/18/2021	28.00	7.4	110.1	0.15	4.83	23.4	x
		8/25/2021	26.20	7.46	118.7	0.187	4.4	1.92	
		9/8/2021	23.20	6.63	170.9	0.169	4.28	5.93	
		9/22/2021	23.70	7.26	210.2	0.172	4.41	3.79	
		10/6/2021	22.30	6.97	116.9	0.196	5.92	2.98	

Table 2. Surface Water General Parameter Measurements
2020-L1-SR2448 Incident

Location ID	Description	Date	Temperature (°C)	pH (STU)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	Rain Event
SW-2	North Prong Clark Creek (Downgradient of leak site)	8/15/2020	24.78	7.68	94	0.142	6.99	90.9	
		8/16/2020	23.59	7.73	110	0.109	7.90	247	
		8/17/2020	23.05	7.72	106	0.099	7.11	324	
		8/18/2020	21.95	7.67	101	0.117	7.75	271	
		8/19/2020	23.05	7.73	128	0.131	6.94	51	
		8/20/2020	22.26	7.74	112	0.117	6.12	55.7	
		8/21/2020	21.87	7.61	128	0.143	3.72	31.8	
		8/22/2020	22.61	7.81	117	0.145	6.73	27.1	
		8/27/2020	24.76	7.77	170	0.149	5.94	15.8	
		9/1/2020	26.13	7.63	165	0.112	4.81	173	x
		9/2/2020	28.20	7.12	0.84	0.089	4.49	321	x
		9/3/2020	26.52	7.41	185	0.095	6.36	226	x
		9/10/2020	24.36	7.8	170	0.137	5.04	386	
		9/17/2020	21.58	7.31	195	0.057	5.63	970	
		9/19/2020	20.44	7.42	180	0.095	5.61	88.1	x
		9/24/2020	17.64	6.97	158	0.089	5	0	
		9/26/2020	19.27	6.44	185	0.066	4.11	206	x
		10/1/2020	18.08	7.2	149	0.102	9.6	230	
		10/7/2020	16.76	6.51	275	0.177	7.06	0	
		10/12/2020	20.80	6.68	244	0.063	6.43	444	x
		10/22/2020	16.60	ORWQM	219	0.1	3.82	361	
		10/31/2020	13.76	7.33	223	0.093	7.15	156	
		11/5/2020	16.51	6.91	174	0.074	5.77	152	
		11/13/2020	18.21	6.55	-----	0.028	6.43	332	x
		11/19/2020	8.80	6.2	196	0.069	4.05	218	
		12/1/2020	10.20	6.77	91.1	0.126	9.37	68.4	x
		12/17/2020	9.30	6.96	147	0.12	20.65	59.1	x
		12/30/2020	6.80	6.74	113.5	0.155	11.21	17	
		1/14/2021	9.50	7.45	153.5	0.161	13.81	13.8	
		1/27/2021	11.70	7.21	156.3	0.13	12.73	85.4	x
		2/12/2021	6.70	7.04	185.1	0.119	17.05	61.8	x
		2/26/2021	10.50	6.79	239.6	0.14	9.89	36.5	
		3/10/2021	17.50	7.85	153.5	0.161	13.23	12.59	
		3/19/2021	11.90	6.76	209.8	0.105	8.07	65.8	x
		3/24/2021	15.20	7.35	158.8	0.149	9.12	36	
		3/26/2021	19.90	7.09	168.7	0.107	9.34	68.1	x
		4/7/2021	21.70	7.52	164.4	0.163	13.99	12.78	
		4/21/2021	18.70	7.6	172.6	0.183	9.1	3.9	
		5/5/2021	21.60	7.52	143.8	0.165	8.96	19.8	
		5/20/2021	21.10	7.7	184.4	0.194	13.04	6.52	
		6/3/2021	21.50	7.81	97	0.211	12.01	5.01	
		6/9/2021	25.20	7.47	151.8	0.132	9.76	71.4	x
		6/16/2021	22.50	7.53	122.7	0.2	10.33	11.24	
		7/2/2021	25.80	6.88	127.6	0.119	7.74	153	
		7/14/2021	26.20	6.96	122.9	0.214	10.26	10.6	
		7/16/2021	28.40	7.33	98.1	0.165	8.84	80.8	x
		7/20/2021	25.10	6.56	134.1	0.137	11.09	88.6	x
		7/28/2021	25.10	7.54	113.5	0.182	3.49	23.5	x
		8/11/2021	23.20	7.39	147.3	0.211	8.53	5.84	
		8/18/2021	25.90	7.41	106.9	0.127	7.68	61.6	x
		8/25/2021	24.10	7.9	139.2	0.183	7.93	12.8	
		9/8/2021	22.40	7	172.5	0.104	7.82	6.68	
		9/22/2021	22.90	7.41	221.8	0.158	6.05	19.1	
		10/6/2021	21.40	7.22	110.7	0.194	5.98	13.73	

Table 2. Surface Water General Parameter Measurements
2020-L1-SR2448 Incident

Location ID	Description	Date	Temperature (°C)	pH (STU)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	Rain Event
SW-3	South Prong Clark Creek (Downgradient of the leak site)	8/15/2020	25.04	7.65	109	0.113	7.17	224	
		8/16/2020	22.52	7.54	123	0.099	7.67	250	
		8/17/2020	22.66	7.64	125	0.131	7.76	248	
		8/18/2020	20.10	7.68	111	0.151	7.65	198	
		8/19/2020	22.98	7.66	147	0.166	6.02	27.3	
		8/20/2020	21.92	7.8	99	0.176	5.37	20.9	
		8/21/2020	21.40	7.64	128	0.16	3.79	94.2	
		8/22/2020	22.26	7.88	113	0.154	6.66	35.5	
		8/27/2020	24.99	7.83	162	0.187	6	8.2	
		9/1/2020	25.34	7.61	162	0.105	5.81	141	x
		9/2/2020	27.13	7.12	176	0.071	4.52	238	x
		9/3/2020	25.18	7.38	158	0.100	5.4	98.5	x
		9/10/2020	24.46	7.67	177	0.18	6.11	30.9	
		9/17/2020	21.41	7.29	190	0.087	6.67	ORWQM	
		9/19/2020	19.90	7.41	177	0.107	5.95	50.1	x
		9/24/2020	16.97	7.14	149	0.126	12.27	0	
		9/26/2020	18.52	6.4	195	0.066	9.22	187	x
		10/1/2020	17.16	7.32	144	0.125	3.33	244	
		10/7/2020	15.77	6.68	272	0.23	9.85	0	
		10/12/2020	21.09	6.57	252	0.068	6.17	420	x
		10/22/2020	16.54	6.69	199	0.158	5.84	3.5	
		10/31/2020	12.55	7.47	200	0.107	9.87	164	
		11/5/2020	16.33	6.99	143	0.095	5.99	50.6	
		11/13/2020	17.53	6.79	226	0.03	6.27	429	x
		11/19/2020	8.58	6.65	151	0.121	7.61	62	
		12/1/2020	11.00	6.95	154.6	0.145	10.57	52.8	x
		12/17/2020	9.00	6.87	231.4	0.153	11.46	54.8	x
		12/30/2020	6.90	6.92	52.1	0.176	10.69	14.8	
		1/14/2021	10.00	7.34	144.1	0.18	12.69	12.9	
		1/27/2021	11.60	7.27	186.7	0.127	16.64	89.3	x
		2/12/2021	6.60	7.1	175.4	0.112	13.41	60	x
		2/26/2021	10.10	6.9	234.6	0.163	11.11	21.7	
		3/10/2021	17.80	7.35	140.5	12.28	0.191	12.01	
		3/19/2021	11.50	6.81	196.7	0.082	8.91	86.6	x
		3/24/2021	15.30	7.33	139.2	0.174	9.19	18.3	
		3/26/2021	20.00	7.06	181	0.093	9.64	71.3	x
		4/7/2021	21.80	7.44	148.1	0.192	12.44	15.6	
		4/21/2021	18.40	7.46	121	0.225	12.46	8.44	
		5/5/2021	21.30	7.39	169.7	0.159	8.82	35.7	
		5/20/2021	21.90	7.71	169.8	0.235	8.69	10.59	
		6/3/2021	22.10	7.75	88.5	0.26	12.96	8.54	
		6/9/2021	25.30	7.05	158	0.114	9.22	81.3	x
		6/16/2021	24.20	7.3	127.1	0.255	8.3	7.68	
		7/2/2021	23.60	6.69	132.3	0.112	11.38	63.9	
		7/14/2021	25.30	7.03	214.7	0..263	14.23	14.28	
		7/16/2021	27.60	7.22	102.2	0.163	9.95	105.6	x
		7/20/2021	24.40	6.45	145.9	0.14	11.63	72	x
		7/28/2021	25.10	7.58	99.8	0.222	3.87	78.6	x
		8/11/2021	23.50	7.39	140	0.24	9.52	4.81	
		8/18/2021	24.10	7.47	104.2	0.099	7.32	148	x
		8/25/2021	24.00	7.99	129.9	0.243	7.19	4.48	
		9/8/2021	22.70	6.96	176.1	0.198	6.86	39.7	
		9/22/2021	23.00	7.38	214.4	0.164	4.76	13.5	
		10/6/2021	21.20	7.23	112.9	0.298	7.64	2.9	

Table 2. Surface Water General Parameter Measurements
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Location ID	Description	Date	Temperature (°C)	pH (STU)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	Rain Event
SW-4	Clarke Creek (Downgradient of North/South Prong Clark Creek confluence)	8/15/2020	25.06	7.7	108	0.124	8.00	168	
		8/16/2020	22.85	7.62	96	0.099	7.32	299	
		8/17/2020	23.03	7.55	87	0.127	8.00	125	
		8/18/2020	20.96	7.60	106	0.129	7.07	96.7	
		8/19/2020	23.79	7.63	145	0.147	6.66	29.3	
		8/20/2020	22.41	7.77	90	0.155	4.98	22.5	
		8/21/2020	21.74	7.69	114	0.163	6.17	40.2	
		8/22/2020	22.20	7.9	102	0.14	7.59	42	
		8/27/2020	25.56	7.71	187	0.172	6.01	7.6	
		9/1/2020	25.61	7.43	138	0.116	5.73	58	x
		9/2/2020	27.75	6.75	187	0.078	4.97	278	x
		9/3/2020	25.69	6.86	165	0.103	4.16	131	x
		9/10/2020	24.07	7.44	173	0.153	6.45	23.9	
		9/17/2020	21.04	7.2	183	0.127	5.82	886	
		9/19/2020	20.06	7.23	156	0.103	7.04	71.7	x
		9/24/2020	17.01	6.51	174	0.108	8.9	0	
		9/26/2020	18.63	6.12	187	0.067	9.09	215	x
		10/1/2020	16.78	6.64	180	0.116	7.32	41	
		10/7/2020	21.92	7.01	195	0.203	4.92	0	
		10/12/2020	21.05	6.28	269	0.067	6.08	432	x
		10/22/2020	16.12	6.16	240	0.13	8.86	69.2	
		10/31/2020	12.21	7.35	184	0.098	4.04	168	
		11/5/2020	18.22	6.82	170	0.085	7	54.1	
		11/13/2020	17.44	6.57	245	0.028	9.01	442	x
		11/19/2020	8.61	6.08	191	0.106	7.61	113	
		12/1/2020	11.00	6.97	167.9	0.182	8.32	68	x
		12/17/2020	9.20	6.88	262.4	0.127	14.08	55.3	x
		12/30/2020	6.90	7.01	115.5	0.167	11.01	16.1	
		1/14/2021	10.00	7.55	151.1	0.174	11.48	14.04	
		1/27/2021	10.60	7.27	195.1	0.131	11.48	86.3	x
		2/12/2021	5.90	7.14	186.7	0.115	13.3	58.1	x
		2/26/2021	9.70	7.07	269.1	0.155	11.26	27.1	
		3/10/2021	17.40	7.56	178.2	0.182	11.74	10.97	
		3/19/2021	11.50	6.94	218.4	0.092	9.85	80.3	x
		3/24/2021	15.90	7.45	160.9	0.165	10.63	27.6	
		3/26/2021	20.40	6.94	179.9	0.095	9.69	75.1	x
		4/7/2021	22.10	7.47	183.1	0.179	11.97	22.1	
		4/21/2021	19.10	7.51	174	0.221	9.83	6.36	
		5/5/2021	22.00	7.63	147.2	0.177	11.72	25.3	
		5/20/2021	22.20	7.79	188.8	0.231	9.54	7.22	
		6/3/2021	22.60	7.83	93.9	0.264	12.11	4.57	
		6/9/2021	25.40	7.2	181.6	0.122	8.61	66.9	x
		6/16/2021	23.10	7.77	124.2	0.22	10.26	9.08	
		7/2/2021	24.10	6.99	128.6	0.102	7.27	108	
		7/14/2021	26.30	7.18	100.5	0.22	13.52	12.6	
		7/16/2021	27.20	7.25	168.3	0.147	10.07	102.8	x
		7/20/2021	24.50	6.71	139	0.139	11.14	91.7	x
		7/28/2021	25.80	6.77	136.4	0.176	2.36	122	x
		8/11/2021	24.60	7.25	141.8	0.201	8.3	16.6	
		8/18/2021	25.10	7.56	107	0.09	7.63	624	x
		8/25/2021	24.70	7.28	158.1	0.207	7.54	6.46	
		9/8/2021	23.30	6.99	172.4	0.233	7.67	22.9	
		9/22/2021	23.30	7.03	241.7	0.132	5.73	57.2	
		10/6/2021	22.20	7.11	121.2	0.237	6.86	3.79	

Table 2. Surface Water General Parameter Measurements
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Location ID	Description	Date	Temperature (°C)	pH (STU)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	Rain Event
SW-5	Ramah Creek (Upgradient of SW-6)	8/15/2020	25.44	7.49	51	0.156	6.92	14.3	
		8/16/2020	23.57	7.59	55	0.123	8.70	16.6	
		8/17/2020	22.57	7.42	62	0.144	5.81	24.3	
		8/18/2020	20.28	7.54	37	0.142	7.87	0.00	
		8/19/2020	23.98	7.75	136	0.151	6.72	51.1	
		8/20/2020	22.06	7.77	86	0.151	6.04	0	
		8/21/2020	21.73	7.74	109	0.149	5.3	39.1	
		8/22/2020	22.29	7.77	73	0.137	7.38	21.6	
		8/27/2020	26.12	7.59	177	0.159	5.29	8.9	
		9/1/2020	25.13	7.29	120	0.108	5.47	858	x
		9/2/2020	27.51	6.59	151	0.073	4.48	233	x
		9/3/2020	24.87	5.99	213	0.100	4.02	217	x
		9/10/2020	23.80	7.4	173	0.15	5.96	10	
		9/17/2020	21.28	7.05	191	0.102	4.96	505	
		9/19/2020	20.82	6.96	149	0.1	6.16	98.8	x
		9/24/2020	17.04	6.69	183	0.101	4.22	0	
		9/26/2020	18.34	6.1	194	0.064	6.05	271	x
		10/1/2020	17.16	6.87	136	0.11	4.82	9.7	
		10/7/2020	22.65	7.06	133	0.176	6.12	0.3	
		10/12/2020	20.35	6.03	282	0.057	3.15	389	x
		10/22/2020	16.03	6.37	225	0.119	7.43	14.1	
		10/31/2020	12.23	6.45	240	0.102	6.47	297	
		11/5/2020	17.06	6.68	170	0.08	7.56	54.2	
		11/13/2020	17.11	6.4	250	0.026	6.39	314	x
		11/19/2020	7.94	5.89	189	0.091	5.44	136	
		12/1/2020	11.00	6.69	184.3	0.137	8.17	60.7	x
		12/17/2020	8.70	6.62	235.2	0.115	12.8	61.3	x
		12/30/2020	6.90	7.08	80.9	0.143	12.34	14.9	
		1/14/2021	10.60	7.42	126.2	0.144	13.11	13.9	
		1/27/2021	10.50	7.12	186.9	0.115	14.76	64.7	x
		2/12/2021	6.20	7.01	179	0.102	17.02	36.5	x
		2/26/2021	9.80	7.02	269.5	0.115	10.26	42.1	
		3/10/2021	18.20	7.46	176.3	0.151	12.61	12	
		3/19/2021	11.60	6.92	207.5	0.075	12.93	93.2	x
		3/24/2021	16.20	7.4	157.5	0.135	8.13	19.4	
		3/26/2021	19.90	6.83	192.1	0.075	8.89	94.5	x
		4/7/2021	24.00	7.36	180.2	0.146	9.52	29.8	
		4/21/2021	19.60	6.92	131.8	0.137	9.86	80.9	
		5/5/2021	23.30	7.6	168.8	0.161	11.4	19.1	
		5/20/2021	24.50	7.72	186.6	0.192	12.15	9.34	
		6/3/2021	24.60	7.59	106.3	0.186	9.75	11.62	
		6/9/2021	27.30	7.31	160.8	0.169	8.74	259	x
		6/16/2021	25.50	7.8	156.3	0.201	10.57	8.01	
		7/2/2021	22.80	6.11	170.9	0.097	8.3	ORWQM	
		7/14/2021	28.40	7.32	80	0.212	12.79	13	
		7/16/2021	28.30	6.92	116.2	0.18	9.22	106.8	x
		7/20/2021	24.50	6.6	176.2	0.116	10.88	143	x
		7/28/2021	27.90	7.03	107.9	0.191	2.25	35.4	x
		8/11/2021	27.30	7.15	162.1	0.213	8.38	3.13	
		8/18/2021	25.70	7.44	105.5	0.107	6.7	182	x
		8/25/2021	27.20	7.78	119.9	0.212	7.02	2.15	
		9/8/2021	26.40	7.33	118.3	0.203	7.65	2.47	
		9/22/2021	23.40	6.93	250.3	0.147	5.03	27.1	
		10/6/2021	23.20	7.24	67.6	0.234	7.37	2.72	

Table 2. Surface Water General Parameter Measurements
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Location ID	Description	Date	Temperature (°C)	pH (STU)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	Rain Event
SW-6	Clarke Creek (Downgradient of Ramah Creek confluence)	8/15/2020	25.97	7.56	109	0.131	6.50	20.7	
		8/16/2020	24.06	7.13	125	0.107	4.42	122	
		8/17/2020	24.06	7.64	124	0.139	7.38	71.3	
		8/18/2020	21.92	7.49	110	0.136	7.03	52.4	
		8/19/2020	23.21	7.56	127	0.142	7.7	23	
		8/20/2020	22.42	7.79	126	0.151	6.38	17	
		8/21/2020	22.09	7.56	131	0.14	5.55	15.7	
		8/22/2020	22.52	7.69	113	0.138	6.03	28	
		8/27/2020	25.02	7.64	228	0.17	5.32	3.8	
		9/1/2020	26.00	7.19	156	0.151	5.08	103	x
		9/2/2020	27.23	6.34	224	0.058	2.51	389	x
		9/3/2020	25.38	6.57	202	0.057	4.38	135	x
		9/10/2020	24.48	7.02	211	0.16	4.93	18.7	
		9/17/2020	21.66	6.76	225	0.133	5.51	39	
		9/19/2020	21.06	6.82	279	0.111	5.53	57.5	x
		9/24/2020	17.19	6.67	195	0.108	10	21.4	
		9/26/2020	19.04	6.22	207	0.052	9.75	102	x
		10/1/2020	17.17	6.84	179	0.119	7.72	19.5	
		10/7/2020	22.00	7.1	186	0.207	6.05	0.5	
		10/12/2020	20.95	5.72	291	0.046	1.35	515	x
		10/22/2020	15.92	6.48	245	0.136	2.87	20.9	
		10/31/2020	13.23	6.72	256	0.108	3.45	209	
		11/5/2020	15.77	6.54	208	0.069	8.21	116	
		11/13/2020	18.17	6.3	259	0.02	7.7	410	x
		11/19/2020	7.62	6.09	204	0.11	8.15	106	
		12/1/2020	10.00	6.48	204.6	0.135	5.65	46	x
		12/17/2020	7.60	6.04	288	0.189	15	57.1	x
		12/30/2020	6.20	6.8	36	0.185	10.04	21.7	
		1/14/2021	9.90	7.2	110.6	0.174	12.44	16.9	
		1/27/2021	9.70	6.88	223.1	0.123	16.67	74.1	x
		2/12/2021	6.10	6.94	185.2	0.125	16.57	33.6	x
		2/26/2021	9.60	6.86	278.3	0.143	11.38	28.9	
		3/10/2021	16.90	7.09	99.1	0.194	12.37	17.5	
		3/19/2021	11.70	6.7	221.4	0.081	9.31	98.4	x
		3/24/2021	16.40	7.3	194.6	0.154	10.37	23.5	
		3/26/2021	17.60	6.68	210.3	0.062	10.48	126	x
		4/7/2021	22.20	7.02	186	0.161	12.07	18.6	
		4/21/2021	19.90	7.12	167.2	0.201	10.29	21.2	
		5/5/2021	22.50	7.4	155.8	0.171	6.68	24	
		5/20/2021	24.40	7.63	187.5	0.215	8.64	8.01	
		6/3/2021	24.00	7.68	111.4	0.23	10.46	8.29	
		6/9/2021	26.50	7.13	189.9	0.125	10.07	94.4	x
		6/16/2021	25.30	7.6	135.1	0.214	9.09	7.89	
		7/2/2021	23.30	6.19	171.6	0.094	7.75	840	
		7/14/2021	27.00	7.26	113	0.22	11.09	18.7	
		7/16/2021	28.20	6.43	141	0.161	7.54	78.5	x
		7/20/2021	24.40	5.93	198.8	0.096	7.2	63	x
		7/28/2021	27.60	6.95	115.2	0.181	2.14	83.9	x
		8/11/2021	26.60	7.62	141.9	0.21	7.73	13	
		8/18/2021	24.80	7.05	118	0.1	2.96	264	x
		8/25/2021	26.50	7.79	133.4	0.199	6.85	6.68	
		9/8/2021	25.40	7.07	140.1	0.227	6.59	6.2	
		9/22/2021	23.30	6.91	258.7	0.195	5.17	24.5	
		10/6/2021	22.30	7.46	90.2	0.243	5.72	3.86	

Table 2. Surface Water General Parameter Measurements
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Location ID	Description	Date	Temperature (°C)	pH (STU)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	Rain Event
SW-7	Rocky River (Downgradient of Clarke River confluence)	8/15/2020	25.81	7.56	132	0.175	6.65	45.5	
		8/16/2020	23.98	7.33	127	0.103	6.02	254	
		8/17/2020	25.00	7.76	101	0.122	6.89	102	
		8/18/2020	22.22	7.54	114	0.16	7.15	71.7	
		8/19/2020	22.89	7.63	118	0.181	6.39	41.5	
		8/20/2020	22.67	7.75	145	0.179	6.02	33.5	
		8/21/2020	22.54	7.57	141	0.191	6.08	49	
		8/22/2020	22.66	7.65	124	0.161	6.11	52.9	
		8/27/2020	25.42	7.88	247	0.24	5.61	25	
		9/1/2020	25.66	7.00	183	0.106	4.72	197	x
		9/2/2020	31.26	4.96	338	2.28	6.15	163	x
		9/3/2020	26.12	5.81	312	0.134	3.51	108	x
		9/10/2020	24.39	6.19	303	0.216	6.02	26.6	
		9/17/2020	21.81	5.93	287	0.21	6.37	138	
		9/19/2020	21.22	6.65	335	0.127	6.16	43.2	x
		9/24/2020	17.50	6.06	194	0.161	5.4	10	
		9/26/2020	18.85	5.67	200	0.088	10.57	189	x
		10/1/2020	16.43	6.08	217	0.133	6.35	57.9	
		10/7/2020	23.92	6.96	207	0.242	5.45	6.8	
		10/12/2020	20.01	5.03	309	0.134	2.07	410	x
		10/22/2020	17.12	6.06	265	0.174	3.81	22.5	
		10/31/2020	13.82	6.15	256	0.124	0.44	167	
		11/5/2020	18.47	5.99	209	0.136	6.17	64.1	
		11/13/2020	18.16	6.03	263	0.037	2.5	357	x
		11/19/2020	8.09	5.78	271	0.145	3.81	105	
		12/1/2020	11.60	6.5	234.2	0.018	10.51	70.3	x
		12/17/2020	10.60	3.96	202.9	0.01	12.56	64.7	x
		12/30/2020	6.70	7.02	86.5	0.192	10.4	18.3	
		1/14/2021	10.00	7.47	116	0.202	14.41	18.3	
		1/27/2021	9.50	6.75	243.3	0.15	12.84	64.8	x
		2/12/2021	6.90	7.12	193.6	0.134	12.26	53.7	x
		2/26/2021	10.00	7.11	283.9	0.175	10.25	19.5	
		3/10/2021	16.70	7.63	164.1	0.203	15.78	12.28	
		3/19/2021	13.00	7.09	204	0.099	8.75	98.6	x
		3/24/2021	17.20	7.44	192.4	0.189	12.37	17	
		3/26/2021	18.90	6.69	203.7	0.073	9.35	138	x
		4/7/2021	21.40	7.31	197.1	0.201	10.56	15.7	
		4/21/2021	20.20	7.59	163.9	0.234	10.8	11.56	
		5/5/2021	22.90	7.56	181.9	0.18	10.66	18.9	
		5/20/2021	24.70	7.67	170.6	0.259	9.86	12.5	
		6/3/2021	24.20	7.82	99	0.284	11.15	12.3	
		6/9/2021	25.50	7.34	183.5	0.283	7.46	50.2	x
		6/16/2021	25.30	7.74	173.6	0.287	10.4	13.95	
		7/2/2021	24.20	6.58	161.9	0.179	6.57	81.7	
		7/14/2021	28.70	7.53	97.9	0.315	11.19	14.15	
		7/16/2021	28.80	7.03	153.3	0.263	9.96	42.9	x
		7/20/2021	24.80	6.41	172.1	0.154	10.15	71.4	x
		7/28/2021	27.60	6.87	120.7	0.215	2.22	43	x
		8/11/2021	27.30	7.13	181.4	0.331	8.2	5.48	
		8/18/2021	25.20	7.25	118.2	0.103	6.2	68	x
		8/25/2021	27.20	7.83	144.3	0.312	7.28	6.95	
		9/8/2021	25.40	6.99	172.1	0.284	7.46	35.3	
		9/22/2021	23.90	7.19	243.3	0.165	4.73	51.9	
		10/6/2021	23.30	7.35	110.9	0.338	8.43	6.01	

Table 2. Surface Water General Parameter Measurements
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Location ID	Description	Date	Temperature (°C)	pH (STU)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	Rain Event
SW-8	Rocky River (Downgradient of Clarke River confluence)	8/15/2020	25.72	7.65	105	0.164	7.71	56.4	
		8/16/2020	24.19	7.47	136	0.098	6.34	280	
		8/17/2020	25.66	7.84	134	0.189	6.88	15.5	
		8/18/2020	22.44	7.60	105	0.15	6.9	73.3	
		8/19/2020	23.05	7.58	130	0.171	5.34	43.5	
		8/20/2020	22.77	7.68	178	0.168	3.6	50.4	
		8/21/2020	22.73	7.53	127	0.193	5.7	33.5	
		8/22/2020	22.72	7.72	115	0.145	6.5	60.1	
SW-9	Rocky River (Downgradient of Clarke River confluence)	8/15/2020	25.27	7.57	126	0.165	5.61	93.1	
		8/16/2020	23.83	7.49	125	0.087	4.11	332	
		8/17/2020	23.01	7.40	98	0.117	6.77	101	
		8/18/2020	23.12	7.60	140	0.135	6.47	72.2	
		8/19/2020	23.31	7.33	136	0.161	5.9	34.1	
		8/20/2020	23.45	7.45	203	0.139	5.34	40.1	
		8/21/2020	23.43	7.33	126	0.168	4.86	23.5	
		8/22/2020	22.99	7.55	131	0.156	6.24	109	
SW-10	Rocky River (Downgradient of Clarke River confluence)	8/15/2020	25.44	7.56	127	0.169	6.18	77.7	
		8/16/2020	24.14	7.34	125	0.091	5.39	459	
		8/17/2020	23.15	7.31	113	0.134	6.16	115	
		8/18/2020	23.52	7.62	142	0.158	6.36	154	
		8/19/2020	23.54	7.2	147	0.191	5.46	3.89	
		8/20/2020	23.1	7.45	158	0.112	5.62	219	
		8/21/2020	23.61	7.2	152	0.124	4.95	35.1	
		8/22/2020	23.39	7.53	128	0.163	5.43	62.3	
SW-11	Rocky River (Downgradient of Mallard Creek)	8/15/2020	25.01	7.60	125	0.155	7.15	143	
		8/16/2020	24.24	7.02	153	0.086	5.33	466	
		8/17/2020	23.20	7.3	128	0.112	6.82	144	
		8/18/2020	23.6	7.59	121	0.143	6.36	90.5	
		8/19/2020	23.4	7.11	191	0.151	4.2	105	
		8/20/2020	23.06	7.55	201	0.098	5.05	359	
		8/21/2020	23.33	6.88	198	0.143	3.67	48.9	
		8/22/2020	23.28	7.58	124	0.139	6.29	55.6	
SW-12	Rocky River (Downgradient of Back Creek)	8/15/2020	25.03	7.61	130	0.159	6.98	157	
		8/16/2020	24.22	7.22	150	0.091	6.01	433	
		8/17/2020	23.10	7.45	121	0.105	6.74	152	
		8/18/2020	23.73	7.73	120	0.141	7.07	117	
		8/19/2020	23.31	6.9	226	0.153	5.45	56.8	
		8/20/2020	23.12	7.72	119	0.096	5.83	565	
		8/21/2020	23.36	6.38	266	0.138	4.66	51.3	
		8/22/2020	23.27	7.74	124	0.148	6.11	93.7	

Table 2. Surface Water General Parameter Measurements
2020-L1-SR2448 Incident

Location ID	Description	Date	Temperature (°C)	pH (STU)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	Rain Event
SW-Seep	Downgradient of Spill Location	9/1/2020	25.73	5.6	76	0.13	1.2	228	x
		9/2/2020	28.17	7.13	171	0.121	2.95	6.97	x
		9/3/2020	31.55	6.24	183	0.113	4.99	516	x
		9/10/2020	25.85	7.16	114	0.12	6.24	188	
		9/17/2020	22.23	7.3	108	0.098	5.81	566	
		9/19/2020	22.30	5.66	132	0.082	0	190	x
		9/24/2020	20.94	7.02	168	0.03	2.31	336	
		9/26/2020	20.81	6.55	157	0.063	3.79	645	x
		10/1/2020	31.28	6.27	64	0.066	3.98	0	
		10/7/2020	20.20	5.97	179	0.109	6.35	24.9	
		10/12/2020	23.51	6.06	225	0.098	3.94	98	x
		10/22/2020	21.86	6.17	55	0.113	8.47	728	
		10/31/2020	18.52	6.65	131	0.076	9.83	373	
		11/5/2020	19.86	6.78	138	0.048	6.09	86.5	
		11/13/2020	18.24	6.62	147	0.037	7.97	704	x
		11/19/2020	14.36	6.35	99	0.07	253	649	
		12/1/2020	13.50	5.89	116.3	0.128	7.93	18.5	x
		12/17/2020	11.10	5.86	229.5	0.136	7.3	19.8	x
		12/30/2020	7.80	5.95	228.2	0.149	9.87	11.25	
		1/14/2021	8.40	6.64	164	0.164	11.45	9.2	
		1/27/2021	12.10	6.74	133.3	0.148	19.2	13.06	x
		2/12/2021	5.90	6.3	205.3	0.138	11.91	49.5	x
		2/26/2021	9.50	5.15	302.9	0.105	7.85	11.52	
		3/10/2021	12.90	6.71	216.2	0.098	14.29	22.2	
		3/19/2021	11.20	6.4	197.5	0.1	7.58	43.5	x
		3/24/2021	14.90	5.78	230.6	0.102	5.1	12.9	
		3/26/2021	18.10	6.2	202.5	0.087	10.2	28.9	x
		4/7/2021	19.30	6.16	213.3	0.96	9.2	18.4	
		4/21/2021	20.00	5.94	157.6	0.103	8.89	24.8	
		5/5/2021	21.80	6.76	143.3	0.117	5.22	60.5	
		5/20/2021	26.80	6.23	204.1	0.132	10.32	45.3	
		6/3/2021	23.80	6.57	133.2	0.125	9.21	39.5	
		6/9/2021	29.90	6.01	207.7	0.163	8.96	122	x
		6/16/2021	24.80	7.54	140.1	0.127	9.42	36.9	
		7/2/2021	25.60	5.99	154.3	0.118	10.13	280	
		7/14/2021	31.00	7.31	136	0.143	11.91	61.1	
		7/16/2021	28.50	5.49	172	0.128	11.43	98.9	x
		7/20/2021	25.70	5.5	171.6	0.124	9.2	50	x
		7/28/2021	25.50	5.33	206.6	0.121	4.17	47.1	x
		8/11/2021	27.90	5.83	196.8	0.126	8.4	46.7	
		8/18/2021	24.20	5.83	148.8	0.093	1.78	68.6	x
		8/25/2021	28.40	7.46	168.1	0.129	5.92	56.6	
		9/8/2021	22.50	6.27	103	0.128	1.75	ORWQM	
		9/22/2021	22.60	6.77	134.6	170.4	1.55	906	
		10/6/2021	21.20	6.44	83.2	0.181	3.15	637	

Table 2. Surface Water General Parameter Measurements
2020-L1-SR2448 Incident

Location ID	Description	Date	Temperature (°C)	pH (STU)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	Rain Event
		9/1/2020	23.88	6.46	59	0.225	2.75	618	x
		9/2/2020	28.91	7.69	177	0.13	6.51	156	x
		9/3/2020	28.58	7.16	148	0.249	7.1	245	x
		9/10/2020	23.89	6.46	19	0.279	1.27	159	
		9/17/2020	22.36	7.45	176	0.123	6.45	59.2	
		9/19/2020	20.62	7.58	131	0.116	4.93	86.7	x
		9/24/2020	18.59	6.13	188	0.165	10.93	234	
		9/26/2020	20.36	6.86	151	0.086	2.3	2.03	x
		10/1/2020	18.98	6.55	88	0.14	1.89	358	
		10/7/2020	21.56	6.36	143	0.279	5	29.2	
		10/12/2020	23.52	6.26	218	0.114	8.4	262	x
		10/22/2020	20.08	6.59	161	0.242	9.1	704	
		10/31/2020	12.46	7.37	162	0.109	4.72	245	
		11/5/2020	17.09	6.41	156	0.084	4.99	202	
		11/13/2020	18.39	6.33	234	0.052	8.29	991	x
		11/19/2020	11.00	6.86	96	0.175	9.43	541	
		12/1/2020	10.60	6.44	61.7	0.165	9.91	26.8	x
		12/17/2020	9.10	6.6	128.6	0.146	10.07	16.5	x
		12/30/2020	5.80	6.05	130.7	0.164	10	9.5	
		1/14/2021	9.70	6.42	219.4	0.11	11.25	11.85	
		1/27/2021	13.90	6.24	196.9	0.106	13.48	15.7	x
		2/12/2021	6.30	5.6	238	0.185	11.57	56.6	x
		2/26/2021	9.50	5.43	235.4	0.132	9.88	16.8	
SW-Confluence	**Downgradient of Spill Location**	3/10/2021	14.20	7.14	115.4	0.26	9.58	10.28	
		3/19/2021	11.70	6.71	186	0.116	9.21	42.3	x
		3/24/2021	14.50	6.31	164.6	0.179	8.45	18.7	
		3/26/2021	18.00	6.69	196.3	0.129	10.13	33.6	x
		4/7/2021	19.10	6.53	138	0.187	10.67	13.9	
		4/21/2021	18.80	6.48	119	0.293	9.27	16.7	
		5/5/2021	21.80	6.88	93.6	0.293	8.07	29.4	
		5/20/2021	25.40	6.53	140.3	0.392	9.12	33.9	
		6/3/2021	21.60	6.6	135.8	0.496	9.6	56.2	
		6/9/2021	28.70	6.17	216.6	0.308	5.86	120	x
		6/16/2021	24.50	6.89	171.9	0.445	10.5	103	
		7/2/2021	23.90	5.91	121.3	0.194	10.69	44.2	
		7/14/2021	26.50	6.16	161	0.153	8.91	75.4	
		7/16/2021	28.40	6.26	104.4	0.438	8.02	20	x
		7/20/2021	24.00	5.93	145.4	0.215	9.17	28.2	x
		7/28/2021	23.00	6.5	96.2	0.436	4.52	12.75	x
		8/11/2021	24.80	5.9	139.6	0.497	8.47	44.9	
		8/18/2021	22.60	6.4	117.7	0.355	4.22	18.4	x
		8/25/2021	25.70	7.04	108.4	0.475	7.01	26.8	
		9/8/2021	25.80	6.7	93.7	0.481	6.94	103.3	
		9/22/2021	21.00	6.83	99.8	0.48	2.59	25.6	
		10/6/2021	20.50	6.46	33	0.483	2.73	38.9	

Table 2. Surface Water General Parameter Measurements
2020-L1-SR2448 Incident

Location ID	Description	Date	Temperature (°C)	pH (STU)	ORP (mV)	Conductivity (mS/cm)	DO (mg/L)	Turbidity (NTU)	Rain Event
SW-Seep 2	Downgradient of SW-Seep Location	3/10/2021	13	7.01	121	0.23	9.16	2.64	
		3/19/2021	12	7.01	208.7	0.291	8.11	18.7	x
		3/24/2021	14.6	6.57	157.7	0.225	6.91	3.01	
		3/26/2021	18.31	6.74	170.5	0.219	9.95	15.4	x
		4/7/2021	18.9	6.84	138.9	0.232	9.5	4.6	
		4/21/2021	19.8	6.65	121.4	0.234	7.93	3.8	
		5/5/2021	21.7	7.11	140.6	0.282	9.46	8.86	
		5/20/2021	26.1	7.2	75.1	0.286	8.89	13.3	
		6/3/2021	21.9	7.38	30.8	0.237	10.23	11.3	
		6/9/2021	26.10	6.62	187.9	0.201	9.4	63	x
		6/16/2021	22.80	6.6	125.7	0.242	9.81	20	
		7/2/2021	22.70	6.1	123.1	0.218	9.27	26.2	
		7/14/2021	26.00	6.45	138.1	0.258	12.27	69.8	
		7/16/2021	27.90	6.62	121.6	0.262	9.5	25.9	x
		7/20/2021	23.20	6.66	86.1	0.25	9.94	9.33	x
		7/28/2021	26.50	6.73	161.3	0.234	4	37.8	x
		8/11/2021	23.80	6.18	121.6	0.232	10.23	9.69	
		8/18/2021	23.30	6.97	102.7	0.228	7.81	93	x
		8/25/2021	23.70	7.08	93.2	0.242	8.9	16.3	
		9/8/2021	24.00	6.54	111.3	0.231	9.45	4.69	
		9/22/2021	21.20	7.01	106.3	0.36	2.38	11.1	
		10/6/2021	19.70	6.48	10	0.233	5.93	75.6	
SW-Confluence 2	Downgradient of SW-Confluence Location	3/10/2021	13.2	7.34	107.6	0.228	8.14	18	
		3/19/2021	11.8	6.92	176.1	0.17	7.17	39.9	x
		3/24/2021	14.8	6.85	108.9	0.245	7.3	6.55	
		3/26/2021	17.95	6.97	157.3	0.183	10.21	21	x
		4/7/2021	19.1	7.1	122.7	0.269	9.37	13.7	
		4/21/2021	19.3	6.97	91	0.28	10.21	13.3	
		5/5/2021	21.6	7.04	75.5	0.288	7.22	19.9	
		5/20/2021	25.9	7.23	58.4	0.278	10.13	11.9	
		6/3/2021	22.3	7.3	74.4	0.29	8.56	81.9	
		6/9/2021	28.30	6.81	161.1	0.255	5.79	74.1	x
		6/16/2021	24.20	6.63	56.4	0.304	10.4	27.6	
		7/2/2021	23.90	6.45	84.3	0.212	11.01	63.7	
		7/14/2021	30.30	6.98	83	0.307	5.06	35	
		7/16/2021	28.20	6.79	103.2	0.308	8.73	93.3	x
		7/20/2021	24.10	6.48	73.9	0.253	8.3	19.9	x
		7/28/2021	28.50	6.83	167.6	0.28	3.4	32.5	x
		8/11/2021	25.80	6.45	123.1	0.276	9.78	24.9	
		8/18/2021	26.30	7.25	100.4	0.214	6.72	19.3	x
		8/25/2021	26.20	7.03	55.3	0.272	7.13	13.3	
		9/8/2021	27.20	7.2	98.4	0.272	7.04	17.6	
		9/22/2021	20.80	6.38	87.7	0.381	2.83	32.6	
		10/6/2021	21.20	6.55	19.3	0.296	6.28	33.2	
SW-G	Downgradient of SW-Confluence 2 Location at Culvert	7/2/2021	24.7	6.09	125.2	0.183	8.8	120	
		7/14/2021	33	7.12	84.8	0.342	8.61	29	
		7/16/2021	28.8	7.54	81.9	0.305	10.61	14.6	x
		7/20/2021	25.60	6.8	75.6	0.237	8.56	17.2	x
		7/28/2021	30.50	6.83	72.6	0.283	2.13	37.9	x
		8/11/2021	27.80	6.72	117.8	0.277	8.5	25.8	
		8/18/2021	27.20	6.76	151	0.258	4.1	97	x
		8/25/2021	29.80	7.35	84	0.281	5.6	35.9	
		9/8/2021	28.20	7.09	46	0.273	8.97	28.7	
		9/22/2021	24.50	6.82	2.2	0.286	4.78	16.3	
		10/6/2021	22.40	6.64	-62.3	0.321	1.29	35.3	

Notes:

ORWQM	Outside of Range on Water Quality Meter
x	Rainfall event (Rain > 1-inch within 24-hour period)
Red Text	Reading from malfuntioning instrument or noted issues

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 12, 2021

Alex Testoff
Montrose Environmental Group, Inc.
400 Northridge Rd.
Suite 400
Atlanta, GA 30350

RE: Project: PROJECT-002116
Pace Project No.: 92565301

Dear Alex Testoff:

Enclosed are the analytical results for sample(s) received by the laboratory on October 06, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Charlotte

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Cole Cates, Environmental Planning Specialists, Inc.
J Culbreath, Colonial Pipeline Company
Robert Hughes, Colonial Pipeline Company
Cam Lee, Montrose Environmental Group
Jamie Moran, APEX Companies, LLC
Jeff Morrison, Colonial Pipeline Company
Nicholas Nelson, Montrose Environmental Group, Inc.
Andrew Street, Apex Companies - NC
JM Wyatt, Colonial Pipeline Company

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: PROJECT-002116
Pace Project No.: 92565301

Pace Analytical Services Charlotte
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

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Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: PROJECT-002116
Pace Project No.: 92565301

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92565301001	**21279-SW-1**	EPA 5030B/8015C Mod.	LMB	2	PASI-C
		EPA 8260D	PM1	9	PASI-C
92565301002	**21279-SW-2**	EPA 5030B/8015C Mod.	LMB	2	PASI-C
		EPA 8260D	PM1	9	PASI-C
92565301003	**21279-SW-3**	EPA 5030B/8015C Mod.	LMB	2	PASI-C
		EPA 8260D	PM1	9	PASI-C
92565301004	**21279-SW-4**	EPA 5030B/8015C Mod.	LMB	2	PASI-C
		EPA 8260D	PM1	9	PASI-C
92565301005	**21279-SW-5**	EPA 5030B/8015C Mod.	LMB	2	PASI-C
		EPA 8260D	PM1	9	PASI-C
92565301006	**21279-SW-6**	EPA 5030B/8015C Mod.	LMB	2	PASI-C
		EPA 8260D	PM1	9	PASI-C
92565301007	**21279-SW-7**	EPA 5030B/8015C Mod.	LMB	2	PASI-C
		EPA 8260D	PM1	9	PASI-C
92565301008	**21279-SW-DUP**	EPA 5030B/8015C Mod.	LMB	2	PASI-C
		EPA 8260D	PM1	9	PASI-C
92565301009	**21279-TRIP BLANK**	EPA 8260D	PM1	9	PASI-C

PASI-C = Pace Analytical Services - Charlotte

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Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: PROJECT-002116
Pace Project No.: 92565301

Sample: 21279-SW-1 **Lab ID: 92565301001** Collected: 10/06/21 13:40 Received: 10/06/21 15:21 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics	Analytical Method: EPA 5030B/8015C Mod. Pace Analytical Services - Charlotte							
Gas Range Organics (C6-C10)	ND	mg/L	0.080	1		10/08/21 16:21		
Surrogates								
4-Bromofluorobenzene (S)	88	%	70-130	1		10/08/21 16:21	460-00-4	
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Benzene	ND	ug/L	1.0	1		10/07/21 13:45	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/07/21 13:45	100-41-4	
Toluene	ND	ug/L	1.0	1		10/07/21 13:45	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		10/07/21 13:45	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		10/07/21 13:45	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		10/07/21 13:45	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-130	1		10/07/21 13:45	460-00-4	
1,2-Dichloroethane-d4 (S)	86	%	70-130	1		10/07/21 13:45	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		10/07/21 13:45	2037-26-5	

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ANALYTICAL RESULTS

Project: PROJECT-002116
Pace Project No.: 92565301

Sample: 21279-SW-2 **Lab ID: 92565301002** Collected: 10/06/21 13:30 Received: 10/06/21 15:21 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics	Analytical Method: EPA 5030B/8015C Mod. Pace Analytical Services - Charlotte							
Gas Range Organics (C6-C10)	ND	mg/L	0.080	1		10/08/21 17:17		
Surrogates								
4-Bromofluorobenzene (S)	87	%	70-130	1		10/08/21 17:17	460-00-4	
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Benzene	ND	ug/L	1.0	1		10/07/21 14:03	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/07/21 14:03	100-41-4	
Toluene	ND	ug/L	1.0	1		10/07/21 14:03	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		10/07/21 14:03	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		10/07/21 14:03	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		10/07/21 14:03	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-130	1		10/07/21 14:03	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130	1		10/07/21 14:03	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		10/07/21 14:03	2037-26-5	

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ANALYTICAL RESULTS

Project: PROJECT-002116
Pace Project No.: 92565301

Sample: 21279-SW-3 **Lab ID: 92565301003** Collected: 10/06/21 13:20 Received: 10/06/21 15:21 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics	Analytical Method: EPA 5030B/8015C Mod. Pace Analytical Services - Charlotte							
Gas Range Organics (C6-C10)	ND	mg/L	0.080	1		10/08/21 17:45		
Surrogates								
4-Bromofluorobenzene (S)	86	%	70-130	1		10/08/21 17:45	460-00-4	
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Benzene	ND	ug/L	1.0	1		10/07/21 14:20	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/07/21 14:20	100-41-4	
Toluene	ND	ug/L	1.0	1		10/07/21 14:20	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		10/07/21 14:20	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		10/07/21 14:20	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		10/07/21 14:20	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	94	%	70-130	1		10/07/21 14:20	460-00-4	
1,2-Dichloroethane-d4 (S)	86	%	70-130	1		10/07/21 14:20	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		10/07/21 14:20	2037-26-5	

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ANALYTICAL RESULTS

Project: PROJECT-002116
Pace Project No.: 92565301

Sample: 21279-SW-4 **Lab ID: 92565301004** Collected: 10/06/21 14:00 Received: 10/06/21 15:21 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics	Analytical Method: EPA 5030B/8015C Mod. Pace Analytical Services - Charlotte							
Gas Range Organics (C6-C10)	ND	mg/L	0.080	1		10/08/21 18:13		
Surrogates								
4-Bromofluorobenzene (S)	87	%	70-130	1		10/08/21 18:13	460-00-4	
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Benzene	ND	ug/L	1.0	1		10/07/21 14:38	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/07/21 14:38	100-41-4	
Toluene	ND	ug/L	1.0	1		10/07/21 14:38	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		10/07/21 14:38	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		10/07/21 14:38	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		10/07/21 14:38	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-130	1		10/07/21 14:38	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130	1		10/07/21 14:38	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		10/07/21 14:38	2037-26-5	

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ANALYTICAL RESULTS

Project: PROJECT-002116
Pace Project No.: 92565301

Sample: 21279-SW-5 **Lab ID: 92565301005** Collected: 10/06/21 14:10 Received: 10/06/21 15:21 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics	Analytical Method: EPA 5030B/8015C Mod. Pace Analytical Services - Charlotte							
Gas Range Organics (C6-C10)	ND	mg/L	0.080	1		10/08/21 18:41		
Surrogates								
4-Bromofluorobenzene (S)	86	%	70-130	1		10/08/21 18:41	460-00-4	
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Benzene	ND	ug/L	1.0	1		10/07/21 14:56	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/07/21 14:56	100-41-4	
Toluene	ND	ug/L	1.0	1		10/07/21 14:56	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		10/07/21 14:56	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		10/07/21 14:56	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		10/07/21 14:56	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98	%	70-130	1		10/07/21 14:56	460-00-4	
1,2-Dichloroethane-d4 (S)	85	%	70-130	1		10/07/21 14:56	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		10/07/21 14:56	2037-26-5	

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ANALYTICAL RESULTS

Project: PROJECT-002116
Pace Project No.: 92565301

Sample: 21279-SW-6 **Lab ID: 92565301006** Collected: 10/06/21 14:20 Received: 10/06/21 15:21 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics	Analytical Method: EPA 5030B/8015C Mod. Pace Analytical Services - Charlotte							
Gas Range Organics (C6-C10)	ND	mg/L	0.080	1		10/08/21 19:09		
Surrogates								
4-Bromofluorobenzene (S)	86	%	70-130	1		10/08/21 19:09	460-00-4	
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Benzene	ND	ug/L	1.0	1		10/07/21 15:14	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/07/21 15:14	100-41-4	
Toluene	ND	ug/L	1.0	1		10/07/21 15:14	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		10/07/21 15:14	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		10/07/21 15:14	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		10/07/21 15:14	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98	%	70-130	1		10/07/21 15:14	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130	1		10/07/21 15:14	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		10/07/21 15:14	2037-26-5	

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ANALYTICAL RESULTS

Project: PROJECT-002116
Pace Project No.: 92565301

Sample: 21279-SW-7 **Lab ID: 92565301007** Collected: 10/06/21 14:35 Received: 10/06/21 15:21 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics	Analytical Method: EPA 5030B/8015C Mod. Pace Analytical Services - Charlotte							
Gas Range Organics (C6-C10)	ND	mg/L	0.080	1		10/08/21 19:37		
Surrogates								
4-Bromofluorobenzene (S)	90	%	70-130	1		10/08/21 19:37	460-00-4	
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Benzene	ND	ug/L	1.0	1		10/07/21 15:31	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/07/21 15:31	100-41-4	
Toluene	ND	ug/L	1.0	1		10/07/21 15:31	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		10/07/21 15:31	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		10/07/21 15:31	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		10/07/21 15:31	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98	%	70-130	1		10/07/21 15:31	460-00-4	
1,2-Dichloroethane-d4 (S)	85	%	70-130	1		10/07/21 15:31	17060-07-0	
Toluene-d8 (S)	102	%	70-130	1		10/07/21 15:31	2037-26-5	

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ANALYTICAL RESULTS

Project: PROJECT-002116
Pace Project No.: 92565301

Sample: 21279-SW-DUP **Lab ID: 92565301008** Collected: 10/06/21 12:00 Received: 10/06/21 15:21 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics	Analytical Method: EPA 5030B/8015C Mod. Pace Analytical Services - Charlotte							
Gas Range Organics (C6-C10)	ND	mg/L	0.080	1		10/08/21 20:05		
Surrogates								
4-Bromofluorobenzene (S)	91	%	70-130	1		10/08/21 20:05	460-00-4	
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Benzene	ND	ug/L	1.0	1		10/07/21 15:49	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/07/21 15:49	100-41-4	
Toluene	ND	ug/L	1.0	1		10/07/21 15:49	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		10/07/21 15:49	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		10/07/21 15:49	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		10/07/21 15:49	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	96	%	70-130	1		10/07/21 15:49	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130	1		10/07/21 15:49	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		10/07/21 15:49	2037-26-5	

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ANALYTICAL RESULTS

Project: PROJECT-002116
Pace Project No.: 92565301

Sample: 21279-TRIP BLANK **Lab ID: 92565301009** Collected: 10/06/21 00:00 Received: 10/06/21 15:21 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Benzene	ND	ug/L	1.0	1		10/07/21 13:28	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/07/21 13:28	100-41-4	
Toluene	ND	ug/L	1.0	1		10/07/21 13:28	108-88-3	
Xylene (Total)	ND	ug/L	1.0	1		10/07/21 13:28	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		10/07/21 13:28	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		10/07/21 13:28	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	101	%	70-130	1		10/07/21 13:28	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130	1		10/07/21 13:28	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		10/07/21 13:28	2037-26-5	

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QUALITY CONTROL DATA

Project: PROJECT-002116
Pace Project No.: 92565301

QC Batch: 651781 Analysis Method: EPA 5030B/8015C Mod.
QC Batch Method: EPA 5030B/8015C Mod. Analysis Description: Gasoline Range Organics
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92565301001, 92565301002, 92565301003, 92565301004, 92565301005, 92565301006, 92565301007, 92565301008

METHOD BLANK: 3418119 Matrix: Water
Associated Lab Samples: 92565301001, 92565301002, 92565301003, 92565301004, 92565301005, 92565301006, 92565301007, 92565301008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gas Range Organics (C6-C10)	mg/L	ND	0.080	10/08/21 15:53	
4-Bromofluorobenzene (S)	%	86	70-130	10/08/21 15:53	

LABORATORY CONTROL SAMPLE: 3418120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gas Range Organics (C6-C10)	mg/L	1	0.98	98	70-130	
4-Bromofluorobenzene (S)	%			94	70-130	

MATRIX SPIKE SAMPLE: 3418122

Parameter	Units	92565301002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Gas Range Organics (C6-C10)	mg/L	ND	1	0.90	90	68-145	
4-Bromofluorobenzene (S)	%				96	70-130	

SAMPLE DUPLICATE: 3418121

Parameter	Units	92565301001 Result	Dup Result	RPD	Qualifiers
Gas Range Organics (C6-C10)	mg/L	ND	ND		
4-Bromofluorobenzene (S)	%	88	87		

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QUALITY CONTROL DATA

Project: PROJECT-002116
Pace Project No.: 92565301

QC Batch: 651443
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV Low Level
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92565301001, 92565301002, 92565301003, 92565301004, 92565301005, 92565301006, 92565301007, 92565301008, 92565301009

METHOD BLANK: 3416350 Matrix: Water
Associated Lab Samples: 92565301001, 92565301002, 92565301003, 92565301004, 92565301005, 92565301006, 92565301007, 92565301008, 92565301009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	10/07/21 13:10	
Ethylbenzene	ug/L	ND	1.0	10/07/21 13:10	
m&p-Xylene	ug/L	ND	2.0	10/07/21 13:10	
o-Xylene	ug/L	ND	1.0	10/07/21 13:10	
Toluene	ug/L	ND	1.0	10/07/21 13:10	
Xylene (Total)	ug/L	ND	1.0	10/07/21 13:10	
1,2-Dichloroethane-d4 (S)	%	86	70-130	10/07/21 13:10	
4-Bromofluorobenzene (S)	%	101	70-130	10/07/21 13:10	
Toluene-d8 (S)	%	99	70-130	10/07/21 13:10	

LABORATORY CONTROL SAMPLE: 3416351

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	50.3	101	70-130	
Ethylbenzene	ug/L	50	53.8	108	70-130	
m&p-Xylene	ug/L	100	108	108	70-130	
o-Xylene	ug/L	50	54.4	109	70-130	
Toluene	ug/L	50	49.1	98	70-130	
Xylene (Total)	ug/L	150	162	108	70-130	
1,2-Dichloroethane-d4 (S)	%			93	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			95	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3416352 3416353

Parameter	Units	92565301008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Benzene	ug/L	ND	20	20	23.0	22.5	115	113	67-150	2	
Ethylbenzene	ug/L	ND	20	20	23.4	23.0	117	115	68-143	2	
m&p-Xylene	ug/L	ND	40	40	46.8	45.8	117	115	53-157	2	
o-Xylene	ug/L	ND	20	20	23.8	23.0	119	115	68-143	4	
Toluene	ug/L	ND	20	20	23.2	22.3	116	112	47-157	4	
Xylene (Total)	ug/L	ND	60	60	70.7	68.8	118	115	66-145	3	
1,2-Dichloroethane-d4 (S)	%						87	88	70-130		
4-Bromofluorobenzene (S)	%						99	99	70-130		
Toluene-d8 (S)	%						97	95	70-130		

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QUALIFIERS

Project: PROJECT-002116
Pace Project No.: 92565301

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PROJECT-002116
Pace Project No.: 92565301

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92565301001	**21279-SW-1**	EPA 5030B/8015C Mod.	651781		
92565301002	**21279-SW-2**	EPA 5030B/8015C Mod.	651781		
92565301003	**21279-SW-3**	EPA 5030B/8015C Mod.	651781		
92565301004	**21279-SW-4**	EPA 5030B/8015C Mod.	651781		
92565301005	**21279-SW-5**	EPA 5030B/8015C Mod.	651781		
92565301006	**21279-SW-6**	EPA 5030B/8015C Mod.	651781		
92565301007	**21279-SW-7**	EPA 5030B/8015C Mod.	651781		
92565301008	**21279-SW-DUP**	EPA 5030B/8015C Mod.	651781		
92565301001	**21279-SW-1**	EPA 8260D	651443		
92565301002	**21279-SW-2**	EPA 8260D	651443		
92565301003	**21279-SW-3**	EPA 8260D	651443		
92565301004	**21279-SW-4**	EPA 8260D	651443		
92565301005	**21279-SW-5**	EPA 8260D	651443		
92565301006	**21279-SW-6**	EPA 8260D	651443		
92565301007	**21279-SW-7**	EPA 8260D	651443		
92565301008	**21279-SW-DUP**	EPA 8260D	651443		
92565301009	**21279-TRIP BLANK**	EPA 8260D	651443		

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Pace Analytical

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LAB USE ONLY - Affix Workorder/Login Label Here or List Pace Workorder Number or

WO# : 92565301

92565301

Company: Montrose	Billing Information: 400 Northridge Rd Suite 400 Sandy Springs, GA 30350
Address:	
Report To: ctates@montrose-env.com	Email To: Jnicolette@montrose-env.com
Copy To: cleek@montrose-env.com	Site Collection Info/Address:
Customer Project Name/Number: Proj-002166	State: NC / County/City: Huntersville Time Zone Collected: [ ] PT [ ] MT [ ] CT [✓] ET
Phone: Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Cole Cates	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Immediately Packed on Ice: [✓] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [✓] 5 Day (Expedite Charges Apply)
	Field Filtered (if applicable): [ ] Yes [ ] No Analysis: _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: BTEX	Analyses: TPH-GRO	Lab Sample # / Comments
21279-SW-1	SW	G	10/6/21	13:10				6	X	X	92565301
21279-SW-2	SW	G	10/6/21	13:30				6	X	X	02
21279-SW-3	SW	G	10/6/21	13:20				6	X	X	03
21279-SW-4	SW	G	10/6/21	14:00				6	X	X	04
21279-SW-5	SW	G	10/6/21	14:10				6	X	X	05
21279-SW-6	SW	G	10/6/21	14:20				6	X	X	06
21279-SW-7	SW	G	10/6/21	14:35				6	X	X	07
21279-SW-DUP	SW	G	10/6/21	12:00				6	X	X	08
21279-Trip Blank	W	LAB	10/6/21	LAB				2	X		09

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	(NA)
Custody Signatures Present	(Y)	N	NA
Collector Signature Present	(Y)	N	NA
Bottles Intact	(Y)	N	NA
Correct Bottles	(Y)	N	NA
Sufficient Volume	(Y)	N	NA
Samples Received on Ice	(Y)	N	NA
VOA - Headspace Acceptable	(Y)	N	NA
USDA Regulated Soils	Y	N	(NA)
Samples in Holding Time	(Y)	N	NA
Residual Chlorine Present	Y	N	(NA)
Cl Strips: _____			
Sample pH Acceptable	Y	N	NA
pH Strips: _____			
Sulfide Present	Y	N	(NA)
Lead Acetate Strips: _____			

LAB USE ONLY:

Customer Remarks / Special Conditions / Possible Hazards:

SW = Surface Water
G = grab

Type of Ice Used: (Wet) Blue Dry None

Packing Material Used: BB

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y (N) N/A

Lab Tracking #: 2546948

Samples received via: FEDEX UPS Client Courier (Pace Courier)

Lab Sample Temperature Info:

Temp Blank Received: Y N (NA)
Therm ID#: 92T0164
Cooler 1 Temp Upon Receipt: 3.3 oC
Cooler 1 Therm Corr. Factor: 0 oC
Cooler 1 Corrected Temp: 3.3 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Montrose	10/6/21 1521	Pace MTL	10-6-21 1521
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY

Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: (Y) N NA
(HCL) MeOH TSP Other

Non Conformance(s): YES / (NO)

Page: _____ of: _____

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 12, 2021

Alex Testoff
Montrose Environmental Group, Inc.
400 Northridge Rd.
Suite 400
Atlanta, GA 30350

RE: Project: PROJECT-002116
Pace Project No.: 92565303

Dear Alex Testoff:

Enclosed are the analytical results for sample(s) received by the laboratory on October 06, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses were subcontracted outside of the Pace Network. The test report from the external subcontractor is attached to this report in its entirety.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang

Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Cole Cates, Environmental Planning Specialists, Inc.
J Culbreath, Colonial Pipeline Company
Robert Hughes, Colonial Pipeline Company
Cam Lee, Montrose Environmental Group
Jamie Moran, APEX Companies, LLC
Jeff Morrison, Colonial Pipeline Company
Nicholas Nelson, Montrose Environmental Group, Inc.
Andrew Street, Apex Companies - NC
JM Wyatt, Colonial Pipeline Company

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

WO# : 92565303

92565303

LAB USE

umber or

Company: Montrose	Billing Information: 400 Northridge Rd. Suite 400 Sandy Springs, GA 30350
Address:	
Report To: CKates@montrose-env.com	Email To: Jnicolette@montrose-env.com
Copy To: Ckc@montrose-env.com	Site Collection Info/Address:
Customer Project Name/Number: Proj-002116	State: NC County/City: Huntersville Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET
Phone: Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Cole Cates	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Immediately Packed on Ice: [ ] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)
	Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

Containe

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	BTEX	TPH-GRO
21279-SW-Seep	SW	G	10/6/21	12:20				6	X	X
21279-SW-Confluence	SW	G	10/6/21	12:25				6	X	X
21279-SW-Seep2	SW	G	10/6/21	12:30				6	X	X
21279-SW-Confluence2	SW	G	10/6/21	12:35				6	X	X
21279-SW-G	SW	G	10/6/21	1240				6	X	X

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips:			
Sample pH Acceptable	Y	N	NA
pH Strips:			
Sulfide Present	Y	N	NA
Lead Acetate Strips:			

LAB USE ONLY:
Lab Sample # / Comments: 92565303

01
02
03
04
05

Customer Remarks / Special Conditions / Possible Hazards:
SW=Surface Water
G=Grab

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2546949

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 92T064
Cooler 1 Temp Upon Receipt: 3.3 oC
Cooler 1 Therm Corr. Factor: 0 oC
Cooler 1 Corrected Temp: 3.3 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time: 10/6/21 1521	Received by/Company: (Signature) SKC Pace HVL	Date/Time: 10/6/21 1521
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: _____ of: _____

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES

October 12, 2021

Bonnie Vang
Pace Analytical Services, Inc.

9800 Kincey Ave Suite 100
Huntersville NC 28078-8400

RE: 92565303

Dear Bonnie Vang: Order No: 2110902

Analytical Environmental Services, Inc. received 5 samples on 10/8/2021 9:41:00 AM
for the analyses presented in following report.

"No problems were encountered during the analyses except as noted in the Case Narrative or by qualifiers in the report or QC Summary. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits.
AES' certifications are as follows:
-NELAP/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions for Organics, and Drinking Water Microbiology & Metals, effective 07/01/21-06/30/22.
-North Carolina Certification number 562 for analysis of Surface Water, Groundwater, Effluent, effective until 12/31/21.
-South Carolina Environmental Laboratory Certification number 98016003 effective until 6/30/22.
These results relate only to the items tested as received. This report may only be reproduced in full and with written permission from the laboratory.
If you have any questions regarding these test results, please feel free to call.
Sincerely,

Paris Masoudi

Paris Masoudi

Project Manager

3080 Presidential Drive • Atlanta, Georgia 30340 • Tel: 770.457.8177 • Fax: 770.457.8188 • Toll Free: 800.972.4889
www.aesatlanta.com

2110902

Chain of Custody

PASI Charlotte Laboratory

Pace Analytical®
www.pacelabs.com

Workorder: 92565303 **Workorder Name:** PROJECT-002116 **Results Requested By:** 10/7/2021

Report / Invoice To	Subcontract To
Bonnie Vang Pace Analytical Charlotte 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 Phone (704)875-9092 Email: bonnie.vang@pacelabs.com	AES 3080 Presidential Drive Atlanta, GA 30340 (770) 457-8177 P.O. BV 92565303

State of Sample Origin: NC

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HCL	NC GRO	8260-BTEX	LAB USE ONLY
1	21279-SW-SEEP	10/6/2021 12:20	92565303001	Water	6	X	x	
2	21279-SW-CONFLUENCE	10/6/2021 12:25	92565303002	Water	6	X	x	
3	21279-SW-SEEP 2	10/6/2021 12:30	92565303003	Water	6	X	x	
4	21279-SW-CONFLUENCE 2	10/6/2021 12:35	92565303004	Water	6	X	x	
5	21279-SW-G	10/6/2021 12:40	92565303005	Water	6	X	x	

Transfers	Released By	Date/Time	Received By	Date/Time
1	JKC Pace LNL	10-7-21 1800	LILIA BINGHAM	10/08 9:41
2				
3				

Comments

Rush pre-approved-Due EOB Monday 10/11/21

Cooler Temperature on Receipt _____ °C **Custody Seal** Y or N **Received on Ice** Y or N **Samples Intact** Y or N

Client: Pace Analytical Services, Inc.
Project: 92565303
Lab ID: 2110902

Case Narrative

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	21279-SW-SEEP
Project Name:	92565303	**Collection Date:**	10/6/2021 12:20:00 PM
Lab ID:	2110902-001	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260D				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	323792	1	10/11/2021 14:32	JB
Toluene	BRL	1.0		ug/L	323792	1	10/11/2021 14:32	JB
Ethylbenzene	BRL	1.0		ug/L	323792	1	10/11/2021 14:32	JB
m,p-Xylene	BRL	1.0		ug/L	323792	1	10/11/2021 14:32	JB
o-Xylene	BRL	1.0		ug/L	323792	1	10/11/2021 14:32	JB
Surr: 4-Bromofluorobenzene	101	74.9-127		%REC	323792	1	10/11/2021 14:32	JB
GASOLINE RANGE ORGANICS SW8015C				**(SW5030B)**				
TPH (Gasoline Range Organics)	BRL	0.50		mg/L	323792	1	10/11/2021 14:32	JB
Surr: a.a.a-trifluorotoluene	93.2	67.8-133		%REC	323792	1	10/11/2021 14:32	JB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	21279-SW-CONFLUENCE
Project Name:	92565303	**Collection Date:**	10/6/2021 12:25:00 PM
Lab ID:	2110902-002	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260D				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	323792	1	10/11/2021 14:54	JB
Toluene	BRL	1.0		ug/L	323792	1	10/11/2021 14:54	JB
Ethylbenzene	BRL	1.0		ug/L	323792	1	10/11/2021 14:54	JB
m,p-Xylene	BRL	1.0		ug/L	323792	1	10/11/2021 14:54	JB
o-Xylene	BRL	1.0		ug/L	323792	1	10/11/2021 14:54	JB
Surr: 4-Bromofluorobenzene	99.9	74.9-127		%REC	323792	1	10/11/2021 14:54	JB
GASOLINE RANGE ORGANICS SW8015C				**(SW5030B)**				
TPH (Gasoline Range Organics)	BRL	0.50		mg/L	323792	1	10/11/2021 14:54	JB
Surr: a.a.a-trifluorotoluene	93.2	67.8-133		%REC	323792	1	10/11/2021 14:54	JB

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	21279-SW-SEEP 2
Project Name:	92565303	**Collection Date:**	10/6/2021 12:30:00 PM
Lab ID:	2110902-003	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260D				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	323792	1	10/11/2021 15:17	JB
Toluene	BRL	1.0		ug/L	323792	1	10/11/2021 15:17	JB
Ethylbenzene	BRL	1.0		ug/L	323792	1	10/11/2021 15:17	JB
m,p-Xylene	BRL	1.0		ug/L	323792	1	10/11/2021 15:17	JB
o-Xylene	BRL	1.0		ug/L	323792	1	10/11/2021 15:17	JB
Surr: 4-Bromofluorobenzene	102	74.9-127		%REC	323792	1	10/11/2021 15:17	JB
GASOLINE RANGE ORGANICS SW8015C				**(SW5030B)**				
TPH (Gasoline Range Organics)	BRL	0.50		mg/L	323792	1	10/11/2021 15:17	JB
Surr: a.a.a-trifluorotoluene	92.1	67.8-133		%REC	323792	1	10/11/2021 15:17	JB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	:21279-SW-CONFLUENCE 2
Project Name:	92565303	**Collection Date:**	10/6/2021 12:35:00 PM
Lab ID:	2110902-004	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260D				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	323792	1	10/11/2021 15:39	JB
Toluene	BRL	1.0		ug/L	323792	1	10/11/2021 15:39	JB
Ethylbenzene	BRL	1.0		ug/L	323792	1	10/11/2021 15:39	JB
m,p-Xylene	BRL	1.0		ug/L	323792	1	10/11/2021 15:39	JB
o-Xylene	BRL	1.0		ug/L	323792	1	10/11/2021 15:39	JB
Surr: 4-Bromofluorobenzene	102	74.9-127		%REC	323792	1	10/11/2021 15:39	JB
GASOLINE RANGE ORGANICS SW8015C				**(SW5030B)**				
TPH (Gasoline Range Organics)	BRL	0.50		mg/L	323792	1	10/11/2021 15:39	JB
Surr: a.a.a-trifluorotoluene	91.3	67.8-133		%REC	323792	1	10/11/2021 15:39	JB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 12-Oct-21

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	21279-SW-G
Project Name:	92565303	**Collection Date:**	10/6/2021 12:40:00 PM
Lab ID:	2110902-005	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260D				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	323792	1	10/11/2021 16:02	JB
Toluene	BRL	1.0		ug/L	323792	1	10/11/2021 16:02	JB
Ethylbenzene	BRL	1.0		ug/L	323792	1	10/11/2021 16:02	JB
m,p-Xylene	BRL	1.0		ug/L	323792	1	10/11/2021 16:02	JB
o-Xylene	BRL	1.0		ug/L	323792	1	10/11/2021 16:02	JB
Surr: 4-Bromofluorobenzene	98.8	74.9-127		%REC	323792	1	10/11/2021 16:02	JB
GASOLINE RANGE ORGANICS SW8015C				**(SW5030B)**				
TPH (Gasoline Range Organics)	BRL	0.50		mg/L	323792	1	10/11/2021 16:02	JB
Surr: a.a.a-trifluorotoluene	92.2	67.8-133		%REC	323792	1	10/11/2021 16:02	JB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Clear Save as

ANALYTICAL ENVIRONMENTAL SERVICES, INC. AES

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **Pace Analytical Services, Inc.** AES Work Order Number: **2110902**

2. Carrier: FedEx ■ UPS ☐ USPS ☐ Client ☐ Courier ☐ Other _____

		Yes	No	N/A	Details	Comments
3.	Shipping container/cooler received in good condition?	◉	○	○	damaged ☐ leaking ☐ other ☐	
4.	Custody seals present on shipping container?	○	◉	○		
5.	Custody seals intact on shipping container?	○	○	◉		
6.	Temperature blanks present?	○	◉	○		
7.	Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	◉	○	○	Cooling initiated for recently collected samples / ice present ☐	
8.	Chain of Custody (COC) present?	◉	○	○		
9.	Chain of Custody signed, dated, and timed when relinquished and received?	◉	○	○		
10.	Sampler name and/or signature on COC?	◉	○	○		
11.	Were all samples received within holding time?	◉	○	○		
12.	TAT marked on the COC?	◉	○	○	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. ☐	

13. Cooler 1 Temperature 0.3 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). ST 10/8/21

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	◉	○	○		
17.	Custody seals present on sample containers?	○	◉	○		
18.	Custody seals intact on sample containers?	○	○	◉		
19.	Do sample container labels match the COC?	◉	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	◉	○	○		
21.	Were all of the samples listed on the COC received?	◉	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	◉	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	◉	○	○		
24.	Were samples received in appropriate containers?	◉	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	◉	○	○		
26.	Were trip blanks submitted?	○	◉	○	listed on COC ☐ not listed on COC ■	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). ST 10/8/21

This section only applies to samples where pH can be checked at Sample Receipt.

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked? *	○	○	◉		
29.	Containers meet preservation guidelines?	○	○	◉		
30.	Was pH adjusted at Sample Receipt?	○	○	◉		

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH. This also excludes metals by EPA 200.7, 200.8 and 245.1 which will be verified between 16 and 24 hours after preservation.

I certify that I have completed sections 28-30 (dated initials). ST 10/8/21

Client: Pace Analytical Services, Inc.
Project Name: 92565303
Workorder: 2110902

ANALYTICAL QC SUMMARY REPORT

BatchID: 323792

Sample ID: **MB-323792**	Client ID:		Units: **mg/L**	Prep Date: **10/09/2021**	Run No: **467000**
SampleType: **MBLK**	TestCode: **GASOLINE RANGE ORGANICS SW8015C**		BatchID: **323792**	Analysis Date: **10/09/2021**	Seq No: **10730196**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
TPH (Gasoline Range Organics)	BRL	0.50									
Surr: a.a.a-trifluorotoluene	0.04702	0	0.0500		94.0	67.8	133				

Sample ID: **MB-323792**	Client ID:		Units: **ug/L**	Prep Date: **10/09/2021**	Run No: **467073**
SampleType: **MBLK**	TestCode: **VOLATILE ORGANICS SW8260D**		BatchID: **323792**	Analysis Date: **10/11/2021**	Seq No: **10732041**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	BRL	1.0									
Ethylbenzene	BRL	1.0									
m,p-Xylene	BRL	1.0									
o-Xylene	BRL	1.0									
Toluene	BRL	1.0									
Surr: 4-Bromofluorobenzene	50.05	0	50.00		100	74.9	127				

Sample ID: **LCS-323792**	Client ID:		Units: **mg/L**	Prep Date: **10/09/2021**	Run No: **467000**
SampleType: **LCS**	TestCode: **GASOLINE RANGE ORGANICS SW8015C**		BatchID: **323792**	Analysis Date: **10/09/2021**	Seq No: **10730195**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
TPH (Gasoline Range Organics)	0.9164	0.50	1.000		91.6	72	135				
Surr: a.a.a-trifluorotoluene	0.04801	0	0.0500		96.0	67.8	133				

Sample ID: **LCS-323792**	Client ID:		Units: **ug/L**	Prep Date: **10/09/2021**	Run No: **467073**
SampleType: **LCS**	TestCode: **VOLATILE ORGANICS SW8260D**		BatchID: **323792**	Analysis Date: **10/11/2021**	Seq No: **10732039**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	52.32	1.0	50.00		105	78.6	124				
Ethylbenzene	53.99	1.0	50.00		108	78.6	125				
m,p-Xylene	108.1	1.0	100.0		108	78	126				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Pace Analytical Services, Inc.
Project Name: 92565303
Workorder: 2110902

ANALYTICAL QC SUMMARY REPORT

BatchID: 323792

Sample ID: **LCS-323792** Client ID: Units: **ug/L** Prep Date: **10/09/2021** Run No: **467073**
SampleType: **LCS** TestCode: **VOLATILE ORGANICS SW8260D** BatchID: **323792** Analysis Date: **10/11/2021** Seq No: **10732039**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
o-Xylene	53.34	1.0	50.00		107	77.1	124				
Toluene	53.17	1.0	50.00		106	77.7	125				
Surr: 4-Bromofluorobenzene	51.24	0	50.00		102	74.9	127				

Sample ID: **2110323-001AMS** Client ID: Units: **mg/L** Prep Date: **10/09/2021** Run No: **467000**
SampleType: **MS** TestCode: **GASOLINE RANGE ORGANICS SW8015C** BatchID: **323792** Analysis Date: **10/12/2021** Seq No: **10733824**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
TPH (Gasoline Range Organics)	14.87	0.50	1.000	15.17	-29.8	69.1	134				S
Surr: a.a.a-trifluorotoluene	0.05978	0	0.0500		120	67.8	133				

Sample ID: **2110902-001AMS** Client ID: **21279-SW-SEEP** Units: **ug/L** Prep Date: **10/09/2021** Run No: **467073**
SampleType: **MS** TestCode: **VOLATILE ORGANICS SW8260D** BatchID: **323792** Analysis Date: **10/11/2021** Seq No: **10732061**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	52.47	1.0	50.00		105	70.5	136				
Ethylbenzene	54.61	1.0	50.00		109	70	134				
m,p-Xylene	109.4	1.0	100.0		109	66.3	138				
o-Xylene	53.71	1.0	50.00		107	67.1	136				
Toluene	53.73	1.0	50.00		107	66.4	140				
Surr: 4-Bromofluorobenzene	50.62	0	50.00		101	74.9	127				

Sample ID: **2110323-001AMSD** Client ID: Units: **mg/L** Prep Date: **10/09/2021** Run No: **467000**
SampleType: **MSD** TestCode: **GASOLINE RANGE ORGANICS SW8015C** BatchID: **323792** Analysis Date: **10/12/2021** Seq No: **10733825**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
TPH (Gasoline Range Organics)	14.72	0.50	1.000	15.17	-45.8	69.1	134	14.87	1.08	21.7	S
Surr: a.a.a-trifluorotoluene	0.05879	0	0.0500		118	67.8	133	0.05978	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Pace Analytical Services, Inc.
Project Name: 92565303
Workorder: 2110902

ANALYTICAL QC SUMMARY REPORT

BatchID: 323792

Sample ID: **2110902-001AMSD** Client ID: **21279-SW-SEEP** Units: **ug/L** Prep Date: **10/09/2021** Run No: **467073**
SampleType: **MSD** TestCode: **VOLATILE ORGANICS SW8260D** BatchID: **323792** Analysis Date: **10/11/2021** Seq No: **10732063**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	53.30	1.0	50.00		107	70.5	136	52.47	1.57	20	
Ethylbenzene	52.23	1.0	50.00		104	70	134	54.61	4.46	20	
m,p-Xylene	104.8	1.0	100.0		105	66.3	138	109.4	4.35	20	
o-Xylene	51.66	1.0	50.00		103	67.1	136	53.71	3.89	20	
Toluene	51.45	1.0	50.00		103	66.4	140	53.73	4.34	20	
Surr: 4-Bromofluorobenzene	50.86	0	50.00		102	74.9	127	50.62	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

End of Report

APPENDIX G

COPIES OF BILLS OF LANDING AND WASTE MANIFESTS

Table 1
Summary of Liquids and Soil Removed from Site
(August 15, 2020 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Description	Volume on Bills of Lading (Gallons)	Volume from Frac Gauging (Gallons)	Mass on Bills of Lading (Tons)
From Initial Response	--	90,930	--
Frac Tank Gauging Product Through 09/30/2021	--	1,199,710	--
Frac Tank Gauging PCW Through 09/30/2021	--	4,319,093	--
Total Fluids Shipped to STAT Facility for Bulking Through 09/30/2021	1,530,882	--	--
PCW Shipped by Legacy to HCC Through 09/30/2021	274,978	--	--
PCW Shipped by Legacy to Legacy Through 09/30/2021	526,737	--	--
Soil Shipped by Republic Services Through 09/30/2021	--	--	8,730
PCW Shipped by MEI to MEI Through 09/30/2021	370,967	--	--
PCW Shipped by MEI to HCC Through 09/30/2021	20,922	--	--
PCW Shipped by Covanta to Covanta Through 09/30/2021	3,146,341	--	--
Combined Total Liquids Removed Through 09/30/2021 vs. Gauging(1)	5,870,827	5,609,733	--
PCW Shipped to Aaron Oil Through 09/30/2021(2)	192,858	--	--

Notes:

Summary of liquid and solids removed from site through the preceding month.

See Table 2 for summary of shipments to STAT.

See Table 3 for summary of shipments by Legacy to HCC.

See Table 4 for summary of shipments to Legacy.

See Table 5 for summary of soil shipped to Republic Services.

See Table 6 for summary of liquids shipped to Aaron Oil.

See Table 7 for summary of shipments to MEI.

See Table 8 for summary of shipments by MEI to HCC.

See Table 9 for summary of liquids shipped to Covanta.

(1) Gauging Volumes of gasoline Free Product and PCW are measured on-site in each frac tank before and after liquids in the frac tank are transferred off-site. Volumes of recovered gasoline Free Product and PCW are calculated from these frac tank measurements rather than volume estimates recorded on bills of lading to provide a consistent measuring point and protocol at each stationary frac tank, and to eliminate potential design inconsistency, measurements not obtained from a level location, not allowing enough time for demulsification, etc.

(2) Liquids shipped to Aaron Oil consist primarily of PCW drilling fluids and do not pass through Frac Tank systems.

Table 2
Summary of Liquids Removed by STAT
(August 15, 2020 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448 Incident
Huntersville, North Carolina

Date	Gallons	Bill of Lading No.	Bill of Lading Previously Provided
8/15/2020	5,230	9359	X
8/15/2020	4,300	9360	X
8/15/2020	4,500	9362	X
8/15/2020	4,700	9364	X
8/16/2020	5,500	8753	X
8/16/2020	4,500	8641	X
8/16/2020	4,700	9240	X
8/16/2020	4,500	8752	X
8/16/2020	5,500	9717	X
8/16/2020	5,030	9504	X
8/16/2020	5,010	9503	X
8/16/2020	4,750	9501	X
8/16/2020	5,200	8668	X
8/16/2020	5,178	8642	X
8/16/2020	5,150	9348	X
8/17/2020	4,500	7211	X
8/17/2020	3,230	9509	X
8/17/2020	5,345	9510	X
8/17/2020	4,500	8667	X
8/18/2020	5,460	9719	X
9/4/2020	4,311	9547	X
9/4/2020	2,783	9555	X
9/6/2020	5,279	9556	X
9/6/2020	3,589	9546	X
9/9/2020	4,964	9553	X
9/9/2020	5,264	9554	X
9/11/2020	5,333	9570	X
9/12/2020	4,964	9568	X
9/14/2020	4,797	9567	X
9/14/2020	4,479	9565	X
9/15/2020	5,712	9560	X
9/16/2020	4,908	9561	X
9/18/2020	5,015	9562	X
9/18/2020	4,908	9563	X
9/21/2020	5,375	9572	X
9/21/2020	5,045	9564	X
9/21/2020	5,691	9559	X

Table 2
Summary of Liquids Removed by STAT
(August 15, 2020 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448 Incident
Huntersville, North Carolina

Date	Gallons	Bill of Lading No.	Bill of Lading Previously Provided
9/21/2020	5,045	9571	X
9/22/2020	5,326	9558	X
9/25/2020	5,122	9573	X
9/25/2020	5,121	9574	X
9/25/2020	5,423	15511	X
9/28/2020	5,539	9576	X
9/28/2020	5,606	9575	X
9/30/2020	5,423	9583	X
9/30/2020	5,086	9582	X
10/2/2020	5,516	9581	X
10/2/2020	5,447	9580	X
10/5/2020	5,470	9579	X
10/5/2020	5,149	9589	X
10/6/2020	5,670	9588	X
10/6/2020	5,086	9587	X
10/7/2020	5,043	9586	X
10/8/2020	5,712	9585	X
10/9/2020	5,016	9584	X
10/12/2020	5,516	9578	X
10/12/2020	5,649	9590	X
10/13/2020	5,628	9591	X
10/15/2020	5,606	9592	X
10/16/2020	5,493	9593	X
10/16/2020	5,423	9594	X
10/20/2020	5,562	15506	X
10/20/2020	5,493	15510	X
10/22/2020	5,423	9595	X
10/22/2020	5,606	204	X
10/23/2020	5,649	203	X
10/23/2020	5,691	9596	X
10/26/2020	4,142	9600	X
10/26/2020	5,695	202	X
10/27/2020	5,617	9599	X
10/27/2020	5,695	201	X
10/30/2020	5,448	207	X
10/30/2020	5,492	9597	X
11/2/2020	5,767	206	X

Table 2
Summary of Liquids Removed by STAT
(August 15, 2020 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448 Incident
Huntersville, North Carolina

Date	Gallons	Bill of Lading No.	Bill of Lading Previously Provided
11/2/2020	5,695	205	X
11/2/2020	4,145	9598	X
11/3/2020	5,448	231	X
11/4/2020	5,403	230	X
11/5/2020	5,617	229	X
11/6/2020	5,448	228	X
11/9/2020	5,492	232	X
11/9/2020	5,535	227	X
11/11/2020	5,535	240	X
11/11/2020	5,492	233	X
11/13/2020	5,577	237	X
11/13/2020	5,492	236	X
11/16/2020	5,448	235	X
11/17/2020	5,492	208	X
11/18/2020	5,577	234	X
11/18/2020	5,802	241	X
11/19/2020	5,215	242	X
11/19/2020	5,358	243	X
11/23/2020	5,535	244	X
11/24/2020	5,492	245	X
11/25/2020	5,215	246	X
11/25/2020	5,403	247	X
11/30/2020	5,535	248	X
11/30/2020	5,492	249	X
12/1/2020	5,577	250	X
12/1/2020	5,555	251	X
12/3/2020	5,657	252	X
12/3/2020	5,535	253	X
12/4/2020	5,617	254	X
12/7/2020	5,535	255	X
12/8/2020	5,264	256	X
12/9/2020	5,535	257	X
12/10/2020	5,264	258	X
12/11/2020	5,577	259	X
12/14/2020	5,617	260	X
12/15/2020	5,695	261	X
12/17/2020	5,577	262	X

Table 2
Summary of Liquids Removed by STAT
(August 15, 2020 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448 Incident
Huntersville, North Carolina

Date	Gallons	Bill of Lading No.	Bill of Lading Previously Provided
12/17/2020	5,802	263	X
12/18/2020	5,617	264	X
12/21/2020	5,358	265	X
12/22/2020	5,555	266	X
12/22/2020	5,000	267	X
12/22/2020	5,535	268	X
12/23/2020	5,577	269	X
12/23/2020	5,000	270	X
12/23/2020	5,577	271	X
12/28/2020	5,535	272	X
12/28/2020	5,617	274	X
12/28/2020	5,000	273	X
12/29/2020	5,802	275	X
12/30/2020	5,120	277	X
12/31/2020	5,864	276	X
1/4/2020	5,695	280	X
1/4/2020	5,543	279	X
1/4/2020	5,535	278	X
1/5/2021	5,732	282	X
1/5/2021	4,682	281	X
1/7/2021	5,577	283	X
1/9/2021	5,492	285	X
1/10/2021	5,577	284	X
1/11/2021	5,264	286	X
1/13/2021	5,617	289	X
1/14/2021	5,535	290	X
1/15/2021	4,979	291	X
1/15/2021	5,291	292	X
1/16/2021	5,400	295	X
1/18/2021	5,264	296	X
1/18/2021	5,400	293	X
1/19/2021	5,577	298	X
1/20/2021	5,535	299	X
1/21/2021	5,577	297	X
1/22/2021	5,695	300	X
1/23/2021	5,732	225	X
1/25/2021	5,492	223	X

Table 2
Summary of Liquids Removed by STAT
(August 15, 2020 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448 Incident
Huntersville, North Carolina

Date	Gallons	Bill of Lading No.	Bill of Lading Previously Provided
1/25/2021	5,450	224	X
1/26/2021	5,492	221	X
1/26/2021	5,400	220	X
1/27/2021	5,264	219	X
1/28/2021	5,403	218	X
1/29/2021	4,911	217	X
1/29/2021	5,069	216	X
2/1/2021	5,865	215	X
2/2/2021	5,577	214	X
2/3/2021	5,264	210	X
2/4/2021	4,641	213	X
2/5/2021	5,535	9045	X
2/8/2021	5,535	9055	X
2/8/2021	5,191	9054	X
2/9/2021	5,895	9053	X
2/9/2021	4,825	9052	X
2/10/2021	5,990	9051	X
2/11/2021	3,733	9050	X
2/12/2021	5,577	9049	X
2/15/2021	5,264	9048	X
2/16/2021	5,732	9047	X
2/17/2021	4,000	9059	X
2/17/2021	4,811	222	X
2/18/2021	5,700	9056	X
2/19/2021	5,200	9057	X
2/22/2021	5,767	9077	X
2/22/2021	5,827	9078	X
2/24/2021	5,932	9046	X
2/24/2021	5,921	9076	X
2/25/2021	5,150	9061	X
2/26/2021	5,400	9064	X
2/28/2021	5,000	9062	X
3/2/2021	6,276	9060	X
3/2/2021	5,708	9063	X
3/3/2021	5,932	9065	X
3/6/2021	5,932	9075	X
3/8/2021	5,601	9074	X

Table 2
Summary of Liquids Removed by STAT
(August 15, 2020 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448 Incident
Huntersville, North Carolina

Date	Gallons	Bill of Lading No.	Bill of Lading Previously Provided
3/9/2021	5,687	9072	X
3/10/2021	5,932	9071	X
3/12/2021	5,932	9070	X
3/13/2021	6,048	9069	X
3/15/2021	6,048	9068	X
3/16/2021	6,048	9066	X
3/16/2021	5,400	9067	X
3/17/2021	5,700	9079	X
3/18/2021	5,998	9100	X
3/19/2021	5,998	9098	X
3/19/2021	5,869	9099	X
3/20/2021	6,108	9097	X
3/22/2021	6,048	9095	X
3/22/2021	5,921	9096	X
3/23/2021	5,732	9094	X
3/24/2021	6,100	9093	X
3/25/2021	5,871	9092	X
3/26/2021	6,166	9090	X
3/27/2021	6,048	9091	X
3/29/2021	6,019	9088	X
3/29/2021	6,166	9089	X
3/30/2021	6,048	9087	X
3/31/2021	6,019	9086	X
4/1/2021	5,921	9085	X
4/2/2021	5,921	9084	X
4/3/2021	5,150	9083	X
4/5/2021	6,166	9082	X
4/5/2021	5,500	9081	X
4/6/2021	6,000	9080	X
4/8/2021	6,107	801	X
4/9/2021	6,048	822	X
4/12/2021	6,048	820	X
4/13/2021	5,267	819	X
4/14/2021	5,971	818	X
4/15/2021	5,700	816	X
4/16/2021	6,048	815	X
4/19/2021	5,971	814	X

Table 2
Summary of Liquids Removed by STAT
(August 15, 2020 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448 Incident
Huntersville, North Carolina

Date	Gallons	Bill of Lading No.	Bill of Lading Previously Provided
4/20/2021	6,048	813	X
4/21/2021	6,019	812	X
4/22/2021	6,220	811	X
4/23/2021	6,166	810	X
4/24/2021	6,019	809	X
4/26/2021	6,019	808	X
4/27/2021	6,166	807	X
4/28/2021	5,767	806	X
5/3/2021	6,048	803	X
5/4/2021	6,166	802	X
5/5/2021	5,452	823	X
5/7/2021	5,400	825	X
5/10/2021	6,166	827	X
5/11/2021	5,550	828	X
5/12/2021	5,932	805	X
5/17/2021	6,166	832	X
5/18/2021	6,107	833	X
5/19/2021	5,932	834	X
5/20/2021	5,812	835	X
5/21/2021	6,048	836	X
5/24/2021	5,932	837	X
5/25/2021	6,048	838	X
5/29/2021	5,526	839	X
5/31/2021	6,048	840	X
6/1/2021	6,220	841	X
6/4/2021	6,166	842	X
6/7/2021	6,048	843	X
6/8/2021	6,166	844	X
6/14/2021	6,166	845	X
6/15/2021	6,010	846	X
6/21/2021	6,166	847	X
6/25/2021	6,061	8106	X
6/28/2021	5,487	850	X
6/29/2021	5,781	853	X
7/7/2021	5,750	859	X
7/9/2021	5,850	860	X
7/16/2021	5,624	7742	X

Table 2
Summary of Liquids Removed by STAT
(August 15, 2020 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448 Incident
Huntersville, North Carolina

Date	Gallons	Bill of Lading No.	Bill of Lading Previously Provided
7/20/2021	5,386	848	X
7/22/2021	6,600	861	X
7/27/2021	5,665	863	X
8/3/2021	5,718	867	X
8/7/2021	5,377	869	X
8/10/2021	5,701	871	X
8/16/2021	6,100	866	X
8/19/2021	6,100	862	X
8/24/2021	5,267	872	X
8/30/2021	5,875	873	X
9/1/2021	5,363	868	
9/5/2021	5,769	874	
9/9/2021	5,239	876	
9/11/2021	5,700	877	
9/15/2021	5,611	878	
9/17/2021	5,812	879	
9/21/2021	5,405	16623	
9/24/2021	5,500	880	
9/29/2021	5,755	882	
Total	**1,530,882**		

BILL OF LADING

	1. 24 Hour Emergency # **STAT, INC.**	2. BOL # 00868
3. Shipper Name & Address CPL 14108 Huntersville, Concord Rd. Huntersville, NC 28078		4. Shipper's Phone 1-800-627-1451
5. Carrier **STAT, INC.**		A. Carrier Phone # 1-800-627-1451
7. Carrier		D. Carrier Phone
9. Consignee Name & Address Stat, Inc. 2550 Hickory Blvd, SW Lenoir, NC 28645		F. Consignee Phone

HM	11. Base Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
X	a. UN1993 Flammable Liquid N.O.S. (Contains less than 10% gas/water) PG III	01	TT	EST 5363	G
	b.				
	c.				
	d.				

G. Additional Descriptions for Materials Listed Above

USE DOT GUIDE # 128

15. Special Handling Instructions and Additional Information

16. Shipper: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport

Printed/Typed Name	Signature	Date (Month Day Year)
Danny Worten		9 01 21

17. Carrier Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Richard Haigler	Richard Haigler	9 01 21

18. Carrier Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

19. Discrepancy Indication Space

20. Consignee

Printed/Typed Name	Signature	Date (Month Day Year)
Gary Sparks	Gary Sparks	9 02 21

BILL OF LADING

	1. 24 Hour Emergency # **STAT, INC.**	2. BOL # 00874
3. Shipper Name & Address CPL 14108 Huntersville Concord Rd. Huntersville, NC 28078		4. Shipper's Phone 1-800-627-1451
5. Carrier **STAT, INC.**		A. Carrier Phone #
7. Carrier		D. Carrier Phone
9. Consignee Name & Address STAT INC. 2550 Hickory Blvd Lenoir, NC 28645		F. Consignee Phone

HM	11. Base Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
X	a. UN 1993 Flammable Liquid N.O.S. (Contains less than 10% Gasoline) PG III	01	TT	EST 5769	G
	b.				
	c.				
	d.				

G. Additional Descriptions for Materials Listed Above

USE DOT GUIDE # 128

15. Special Handling Instructions and Additional Information

16. Shipper: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport

Printed/Typed Name	Signature	Date (Month Day Year)
EDDIE ANDERSON FOR ADAM HARRIS	Eddie Anderson	9 5 21

17. Carrier Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Luther L Kellum	Luther L Kellum	09 05 21

18. Carrier Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

19. Discrepancy Indication Space

20. Consignee

Printed/Typed Name	Signature	Date (Month Day Year)
Allison Wike	Allison Wike	9 5 21

BILL OF LADING

	1. 24 Hour Emergency # **STAT, INC.**	2. BOL # 00876
3. Shipper Name & Address CPL 14108 Huntersville Concord Rd. Huntersville, NC 28078		4. Shipper's Phone 1-800-627-1451
5. Carrier **STAT, INC.**		A. Carrier Phone #
7. Carrier		D. Carrier Phone
9. Consignee Name & Address STAT INC. 2550 Hickory Blvd. Lenoir, NC 28645		F. Consignee Phone

HM	11. Base Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
X	a. UN1993 Flammable liquid N.O.S. (Contains less than 10% gas/water) PG III	01	TT	EST. 5239	G
	b.				
	c.				
	d.				

G. Additional Descriptions for Materials Listed Above

USE DOT GUIDE # 128

15. Special Handling Instructions and Additional Information

16. Shipper: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport

Printed/Typed Name	Signature	Date (Month Day Year)
Danny Wooten	Danny Wooten	09 09 21

17. Carrier Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Richard Haigler	Richard Haigler	09 09 21

18. Carrier Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

19. Discrepancy Indication Space

20. Consignee

Printed/Typed Name	Signature	Date (Month Day Year)
Garry Sparks	Garry Sparks	09 09 21

BILL OF LADING

Docket 408

	1. 24 Hour Emergency # **STAT, INC.**	2. BOL # 00877
3. Shipper Name & Address CBL 14108 Huntersville Concord Rd. Huntersville, NC 28078		4. Shipper's Phone 1-800-627-1471
5. Carrier **STAT, INC.**		A. Carrier Phone #
7. Carrier		D. Carrier Phone
9. Consignee Name & Address STAT INC. 2550 Hickory Blvd. Lenoir, NC 28645		F. Consignee Phone

HM	11. Base Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
X	a. UN1993 Flammable Liquid N.O.S. (Contains less than 10% gas/water) PG III	01	TT	EST 5700	G
	b.				
	c.				
	d.				

G. Additional Descriptions for Materials Listed Above

USE DOT GUIDE # 128

15. Special Handling Instructions and Additional Information

16. Shipper: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport

Printed/Typed Name	Signature	Date (Month Day Year)
Deric Reaper		9 1 21

17. Carrier Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
George Biskup Jr		09 11 21

18. Carrier Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

19. Discrepancy Indication Space

20. Consignee

Printed/Typed Name	Signature	Date (Month Day Year)
Allison Wike	Allison Wike	9 11 21

BILL OF LADING

	1. 24 Hour Emergency # **STAT, INC.**	2. BOL # 00878
3. Shipper Name & Address CPL 14108 Huntersville Concord Rd. Huntersville, NC 28078		4. Shipper's Phone 1-800-627-1451
5. Carrier **STAT, INC.**		A. Carrier Phone #
7. Carrier		D. Carrier Phone
9. Consignee Name & Address STAT INC. 2350 Hickory Blvd. Kenoir, NC 28645		F. Consignee Phone

HM	11. Base Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
X	a. UN1993 Flammable Liquid N.O.S. (Contains less than 10% gas/water) PG III	01	TT	est 561	G
	b.				
	c.				
	d.				

G. Additional Descriptions for Materials Listed Above

USE DOT GUIDE # 128

15. Special Handling Instructions and Additional Information

1pm — 5:30pm

16. Shipper: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport

Printed/Typed Name	Signature	Date Month	Day	Year
Danny Wooten	Danny Wooten	9	15	21

17. Carrier Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
X Kevin Walker	X Kevin Walker	09	15	2021

18. Carrier Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

20. Consignee

Printed/Typed Name	Signature	Date Month	Day	Year
Megan Brawley	Megan Brawley	9	15	21

Frank Tank 104

BILL OF LADING

	1. 24 Hour Emergency # **STAT, INC.**	2. BOL # 00879
3. Shipper Name & Address CRL 14108 Huntersville Concord Rd. Huntersville, NC 28078		4. Shipper's Phone 1-800-627-1451
5. Carrier **STAT, INC.**		A. Carrier Phone #
7. Carrier		D. Carrier Phone
9. Consignee Name & Address STAT INC. 2550 Hickory Blvd. Lenoir, NC 28645		F. Consignee Phone

HM	11. Base Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
X	a. UN1993 Flammable Liquid N.O.S. (Contains less than 10% gas/water) PG III	01	TT	EST. 5812	G
	b.				
	c.				
	d.				

G. Additional Descriptions for Materials Listed Above

USE DOT GUIDE # 128

15. Special Handling Instructions and Additional Information

16. Shipper: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport

Printed/Typed Name	Signature	Date Month	Day	Year
Amy Wooten	Amy Wooten	9	17	21

17. Carrier Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Richard Haigler	Richard Haigler	09	17	21

18. Carrier Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

20. Consignee

Printed/Typed Name	Signature	Date Month	Day	Year
Garry Sparks	Garry Sparks	09	17	21

BILL OF LADING

NCD 980799142

1. 24 Hour Emergency # STAT, INC. 800-627-1451

2. BOL # 016623

3. Shipper Name & Address [redacted] CPL 14108 Huntersville Concord Rd. [redacted] Hickory Blvd. Huntersville NC 28078

4. Shipper's Phone 1-800-627-1451

5. Carrier STAT, INC.

A. Carrier Phone # (828) 396-2304

7. Carrier

D. Carrier Phone

9. Consignee Name & Address [redacted] STAT INC 2550 Hickory Blvd Lenoir, NC 28645

F. Consignee Phone (704) 455-1333

HM	11. Base Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
/	a. UN1993 Flammable Liquid N.O.S. Contain less than 10% Gasoline 3 PG II	01	TT	EST 5405	G
	b.				
	c.				
	d.				

G. Additional Descriptions for Materials Listed Above

USE DOT GUIDE # 128

15. Special Handling Instructions and Additional Information

Tanker 408 1pm - 5:30 pm

16. Shipper: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport

Printed/Typed Name [redacted] Curtis Gutter As Agent For Adam Harris

Signature [redacted] Curtis Gutter

Date: Month 09 Day 21 Year 2021

17. Carrier Acknowledgement of Receipt of Materials

Printed/Typed Name Kevin Walker

Signature Kevin Walker

Date: Month 09 Day 21 Year 21

18. Carrier Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date: Month Day Year

19. Discrepancy Indication Space

20. Consignee

Printed/Typed Name Allison Wike

Signature Allison Wike

Date: Month 9 Day 21 Year 21

BILL OF LADING

	1. 24 Hour Emergency # **STAT, INC.**	2. BOL # 00880
3. Shipper Name & Address CPL 14108 Huntersville Concord Rd. Huntersville, NC 28078		4. Shipper's Phone 1-800-627-1451
5. Carrier **STAT, INC.**		A. Carrier Phone #
7. Carrier		D. Carrier Phone
9. Consignee Name & Address STAT INC. 2550 Hickory Blvd. Lenoir, N.C. 28645		F. Consignee Phone

HM	11. Base Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
X	a. UN1993 Flammable Liquid N.O.S. (Contains less than 10% gas/water) PG III	01	TT	Est. 5,500	G
	b.				
	c.				
	d.				

G. Additional Descriptions for Materials Listed Above

USE DOT GUIDE # [redacted] 426

15. Special Handling Instructions and Additional Information

16. Shipper: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport

Printed/Typed Name	Signature	Date (Month Day Year)
Deric Reaper	Deric Reaper	9 24 21

17. Carrier Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Chris Pritchard	Chris Pritchard	9 24 21

18. Carrier Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

19. Discrepancy Indication Space

20. Consignee

Printed/Typed Name	Signature	Date (Month Day Year)
Allison Wike	Allison Wike	9 24 21

BILL OF LADING

	1. 24 Hour Emergency # **STAT, INC.**	2. BOL # 00882
3. Shipper Name & Address CRL 14108 Huntersville Concord Rd. Huntersville, NC 28078		4. Shipper's Phone 1-800-627-1451
5. Carrier **STAT, INC.**		A. Carrier Phone #
7. Carrier		D. Carrier Phone
9. Consignee Name & Address STAT INC. 2550 Hickory Blvd. Lenoir, NC 28645		F. Consignee Phone

HM	11. Base Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
X	a. UN1993 Flammable Liquid N.O.S. (Contains Less than 10% gasoline) PG III	01	TT	Est. 575	G
	b.				
	c.				
	d.				

G. Additional Descriptions for Materials Listed Above

USE DOT GUIDE # 128

15. Special Handling Instructions and Additional Information

16. Shipper: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport

Printed/Typed Name	Signature	Date (Month Day Year)
Deric Reaper		9 29 21

17. Carrier Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Luther L. Heller		09 29 21

18. Carrier Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

19. Discrepancy Indication Space

20. Consignee

Printed/Typed Name	Signature	Date (Month Day Year)
Rodney Raby	Rodney Raby	09 29 21

Table 3
Summary of Liquids Shipped to HCC
(December 21, 2021 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Date	Gallons	Manifest No.	Manifest Previously Provided
12/21/2020	5,490	10547	X
12/21/2020	4,792	10508	X
12/28/2020	3,200	8937	X
12/28/2020	5,500	8938	X
12/31/2020	4,545	10536	X
1/3/2021	5,500	10553	X
1/3/2021	5,906	10554	X
1/4/2021	3,400	10552	X
1/4/2021	4,100	11002	X
1/5/2021	5,906	11000	X
1/5/2021	2,800	11001	X
1/6/2021	2,699	10551	X
1/7/2021	4,545	11004	X
1/9/2021	5,704	10537	X
1/9/2021	3,888	8944	X
1/9/2021	2,140	8945	X
1/10/2021	2,693	10538	X
1/11/2021	3,911	8951	X
1/12/2021	4,669	8952	X
1/13/2021	5,598	10555	X
1/13/2021	5,500	10556	X
1/14/2021	5,208	8974	X
1/14/2021	5,342	8975	X
1/15/2021	4,243	8977	X
1/15/2021	2,809	8978	X
1/15/2021	5,490	11051	X
1/15/2021	2,950	11052	X
1/16/2021	2,700	11053	X
1/16/2021	3,593	11054	X
1/16/2021	3,800	11055	X
1/17/2021	3,600	8954	X
1/17/2021	2,700	8955	X
1/17/2021	3,600	8956	X
1/18/2021	2,700	8957	X
1/18/2021	4,233	8958	X
1/18/2021	3,390	8959	X
1/18/2021	4,128	8960	X
1/18/2021	2,160	11066	X

Table 3
Summary of Liquids Shipped to HCC
(December 21, 2021 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

1/19/2021	3,788	8961	X
1/19/2021	4,243	8962	X
1/19/2021	3,783	8963	X
1/20/2021	2,500	8964	X
1/20/2021	3,800	8965	X
1/20/2021	4,315	8966	X
1/21/2020	2,772	8967	X
1/21/2021	4,416	8968	X
1/21/2021	3,868	8969	X
1/21/2021	3,011	8987	X
1/22/2021	4,372	8995	X
1/22/2021	3,822	8996	X
1/22/2021	2,717	8997	X
1/23/2021	4,473	8990	X
1/23/2021	2,763	8988	X
1/23/2021	3,515	8989	X
1/24/2021	4,512	8992	X
1/24/2021	2,801	8991	X
1/24/2021	3,927	8993	X
1/25/2021	4,233	8986	X
1/25/2021	3,692	8985	X
1/25/2021	3,528	11056	X
1/25/2021	2,835	8994	X
1/26/2021	2,500	11057	X
1/26/2021	3,696	9016	X
1/26/2021	4,224	9015	X
1/26/2021	5,800	8998	X
1/27/2021	4,320	8999	X
1/27/2021	3,620	9000	X
1/27/2021	4,224	9001	X
1/27/2021	3,840	9004	X
1/28/2021	3,936	9007	X
Total	**274,978**		

Table 4
Summary of Liquids Shipped to
Legacy
(January 01, 2021 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Date	Gallons	Manifest No.	Manifest Previously Provided
1/28/2021	3,654	9006	X
1/28/2021	4,224	9005	X
1/28/2021	1,974	9003	X
1/29/2021	4,224	9008	X
1/29/2021	3,696	9010	X
1/29/2021	3,840	9017	X
1/29/2021	2,142	9011	X
1/30/2021	2,900	9013	X
1/30/2021	3,360	9014	X
1/30/2021	3,614	9018	X
2/1/2021	2,400	9019	X
2/1/2021	3,612	9020	X
2/1/2021	2,268	9021	X
2/1/2021	2,814	9022	X
2/1/2021	3,696	9029	X
2/2/2021	3,696	8953	X
2/2/2021	2,772	8979	X
2/3/2021	3,612	9024	X
2/3/2021	2,989	9023	X
2/3/2021	2,940	9026	X
2/4/2021	2,520	9025	X
2/5/2021	3,150	9027	X
2/5/2021	3,150	9028	X
2/5/2021	2,800	7456	X
2/6/2021	3,360	9030	X
2/6/2021	2,772	9031	X
2/6/2021	2,700	9032	X
2/6/2021	3,696	9033	X
2/6/2021	2,562	9034	X
2/7/2021	4,176	9037	X
2/8/2021	2,800	9038	X
2/8/2021	3,698	9039	X
2/8/2021	3,654	9040	X
2/8/2021	2,600	9041	X
2/8/2021	3,780	9042	X
2/8/2021	4,100	9043	X
2/8/2021	3,486	9044	X

Table 4
Summary of Liquids Shipped to
Legacy
(January 01, 2021 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

2/9/2021	3,698	9047	X
2/9/2021	2,458	9048	X
2/9/2021	2,127	9049	X
2/10/2021	3,363	9050	X
2/10/2021	3,948	9051	X
2/11/2021	3,444	9052	X
2/11/2021	3,649	9053	X
2/12/2021	3,531	9054	X
2/12/2021	1,342	9055	X
2/13/2021	3,574	9056	X
2/15/2021	3,532	9057	X
2/15/2021	3,532	9058	X
2/15/2021	3,535	9060	X
2/15/2021	3,740	9061	X
2/16/2021	3,532	9059	X
2/16/2021	3,573	9062	X
2/16/2021	2,287	9063	X
2/17/2021	3,589	9064	X
2/17/2021	3,490	9065	X
2/17/2021	3,552	9068	X
2/18/2021	3,381	9069	X
2/18/2021	3,377	9070	X
2/19/2021	3,364	9102	X
2/19/2021	2,700	9103	X
2/19/2021	2,550	9100	X
2/20/2021	3,368	9095	X
2/20/2021	3,175	9099	X
2/22/2021	3,368	9094	X
2/22/2021	3,360	9101	X
2/22/2021	2,142	9176	X
2/22/2021	3,384	9180	X
2/22/2021	2,880	9093	X
2/23/2021	2,730	9178	X
2/23/2021	2,746	9179	X
2/24/2021	3,048	9177	X
2/24/2021	2,801	9092	X
2/24/2021	2,976	9182	X
2/25/2021	2,625	9172	X
2/25/2021	1,848	9170	X
2/25/2021	2,491	9173	X
2/26/2021	2,428	9171	X

Table 4
Summary of Liquids Shipped to
Legacy
(January 01, 2021 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

2/26/2021	3,048	9186	X
2/26/2021	2,667	9185	X
2/27/2021	3,048	9183	X
2/27/2021	3,024	9184	X
2/28/2021	2,684	9128	X
2/28/2021	3,600	9127	X
2/28/2021	2,552	9124	X
3/2/2021	2,616	9120	X
3/2/2021	3,029	9121	X
3/2/2021	2,600	9122	X
3/2/2021	2,928	9123	X
3/2/2021	2,579	9125	X
3/2/2021	3,178	9126	X
3/2/2021	2,592	9175	X
3/3/2021	2,933	9165	X
3/3/2021	2,918	9174	X
3/3/2021	2,012	9181	X
3/6/2021	3,331	9130	X
3/6/2021	3,360	9132	X
3/6/2021	2,534	9133	X
3/8/2021	2,478	9091	X
3/8/2021	2,470	9097	X
3/8/2021	2,731	9134	X
3/8/2021	2,688	9135	X
3/8/2021	2,894	9136	X
3/8/2021	3,600	9137	X
3/9/2021	2,736	9129	X
3/9/2021	2,520	9138	X
3/9/2021	3,600	9236	X
3/9/2021	2,000	9252	X
3/10/2021	2,602	9244	X
3/10/2021	2,680	9245	X
3/10/2021	2,562	9250	X
3/10/2021	2,698	9251	X
3/11/2021	2,604	9282	X
3/12/2021	2,928	9090	X
3/12/2021	2,671	9253	X
3/12/2021	2,976	9254	X
3/12/2021	2,579	9255	X
3/13/2021	2,604	9285	X
3/13/2021	2,784	9238	X

Table 4
Summary of Liquids Shipped to
Legacy
(January 01, 2021 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

3/13/2021	3,595	9287	X
3/13/2021	3,360	9286	X
3/15/2021	3,024	9290	X
3/15/2021	3,096	9294	X
3/15/2021	2,962	9296	X
3/15/2021	3,062	9298	X
3/15/2021	2,938	9295	X
3/15/2021	3,024	9292	X
3/15/2021	3,024	9297	X
3/15/2021	3,158	9240	X
3/15/2021	2,658	9237	X
3/16/2021	3,096	9293	X
3/16/2021	3,005	9239	X
3/16/2021	3,254	9288	X
3/16/2021	3,081	9283	X
3/16/2021	3,000	9284	X
3/16/2021	2,870	9256	X
3/17/2021	3,072	9300	X
3/17/2021	2,976	9301	X
3/17/2021	3,120	9247	X
3/17/2021	3,240	8982	X
3/17/2021	3,019	8981	X
3/17/2021	3,086	9299	X
3/17/2021	2,990	9246	X
3/18/2021	3,149	9304	X
3/18/2021	3,124	9242	X
3/18/2021	3,216	9243	X
3/18/2021	2,952	9241	X
3/18/2021	2,976	9303	X
3/18/2021	3,038	9302	X
3/19/2021	3,216	9310	X
3/19/2021	3,058	9309	X
3/19/2021	2,909	9307	X
3/19/2021	3,000	9306	X
3/19/2021	3,034	9305	X
3/19/2021	3,009	8984	X
3/20/2021	3,158	9311	X
3/20/2021	3,178	9342	X
3/20/2021	3,264	9343	X
3/20/2021	3,168	9313	X
3/22/2021	3,062	9347	X

Table 4
Summary of Liquids Shipped to
Legacy
(January 01, 2021 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

3/22/2021	2,890	9249	X
3/22/2021	2,990	9348	X
3/22/2021	3,120	9349	X
3/22/2021	3,115	9350	X
3/22/2021	3,139	9345	X
3/22/2021	3,220	9248	X
3/22/2021	3,125	9314	X
3/22/2021	3,024	9335	X
3/23/2021	3,045	9344	X
3/23/2021	3,120	9346	X
3/23/2021	3,254	9341	X
3/23/2021	3,269	9291	X
3/23/2021	2,899	9339	X
Total	**526,737**		

Table 5
Summary of Soil Shipped to Republic Services
(October 7, 2020 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448 Incident
Huntersville, North Carolina

Date	Truck No.	Load No.	Manifest No.	Tons	Manifest Previously Provided
10/7/2020	80	1	763626	20.64	X
10/7/2020	76	2	763625	12.67	X
10/7/2020	83	3	763624	18.6	X
10/7/2020	131	4	763623	22.68	X
10/7/2020	138	5	763622	22.18	X
10/7/2020	159	6	763621	22.1	X
10/7/2020	161	7	763620	16.22	X
10/7/2020	163	8	763619	21.29	X
10/7/2020	84	9	763618	21.87	X
10/7/2020	152	10	763617	20.6	X
10/8/2020	140	11	763616	23.31	X
10/8/2020	83	12	763615	19.6	X
10/8/2020	80	13	763614	20.55	X
10/8/2020	76	14	763613	13.15	X
10/8/2020	131	15	763612	23.02	X
10/8/2020	138	16	763611	23.34	X
10/8/2020	159	17	763610	23.07	X
10/8/2020	161	18	763609	19.21	X
10/8/2020	80	19	763608	19.69	X
10/8/2020	83	20	763607	20.2	X
10/8/2020	162	21	763606	23.64	X
10/8/2020	84	22	763605	12.05	X
10/8/2020	163	23	763604	25.21	X
10/8/2020	83	24	763603	21.84	X
10/8/2020	83	25	763602	23.85	X
10/8/2020	80	26	763601	20.07	X
10/8/2020	131	27	763600	22.92	X
10/8/2020	138	28	763599	22.84	X
10/8/2020	140	29	763598	23.26	X
10/8/2020	162	30	763597	24.74	X
10/8/2020	84	31	763596	21.81	X
10/8/2020	161	32	763595	18.15	X
10/8/2020	80	33	763594	23.42	X
10/8/2020	159	34	763593	23.37	X
10/8/2020	163	35	763592	26.12	X
10/8/2020	84	36	763591	21.45	X
10/8/2020	131	37	763590	24.03	X

Table 5
Summary of Soil Shipped to Republic Services
(October 7, 2020 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448 Incident
Huntersville, North Carolina

Date	Truck No.	Load No.	Manifest No.	Tons	Manifest Previously Provided
10/8/2020	138	38	763589	22.18	X
10/9/2020	83	39	763588	24.07	X
10/9/2020	80	40	763587	23.98	X
10/9/2020	80	41	763586	20.06	X
10/9/2020	162	42	763585	22.25	X
10/9/2020	131	43	763584	22.4	X
10/9/2020	161	44	763583	18.38	X
10/9/2020	84	45	763582	19.74	X
10/9/2020	159	46	763581	21.94	X
10/9/2020	140	47	763580	25.28	X
10/9/2020	83	48	763579	22.92	X
10/9/2020	163	49	763578	21.82	X
10/9/2020	80	50	765577	19.84	X
10/9/2020	138	51	763576	22.08	X
10/9/2020	83	52	763575	19.47	X
10/9/2020	131	53	763574	21.24	X
10/9/2020	162	54	763573	21.62	X
10/9/2020	140	55	763572	25.73	X
10/9/2020	84	56	763571	19.97	X
10/9/2020	161	57	763570	17.38	X
10/9/2020	163	58	763568	22.2	X
10/9/2020	80	59	763569	20.81	X
10/9/2020	159	60	763567	23.02	X
10/9/2020	83	61	763566	21.28	X
10/13/2020	159	62	763565	23.92	X
10/9/2020	80	63	763563	21.09	X
10/14/2020	131	64	763564	17.34	X
10/13/2020	163	65	763562	23.78	X
10/13/2020	138	66	763561	23.64	X
10/13/2020	76	67	763560	13.32	X
10/13/2020	131	68	763559	18.51	X
10/13/2020	162	69	763558	17.66	X
10/13/2020	80	70	763557	15.91	X
10/13/2020	84	71	763556	16.64	X
10/14/2020	84	72	763555	17.02	X
10/14/2020	159	73	763554	18.36	X
10/14/2020	162	74	763553	20.6	X

Table 5
Summary of Soil Shipped to Republic Services
(October 7, 2020 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448 Incident
Huntersville, North Carolina

Date	Truck No.	Load No.	Manifest No.	Tons	Manifest Previously Provided
10/14/2020	163	75	763552	20.63	X
10/14/2020	138	76	763551	16.65	X
10/14/2020	80	77	763550	19.29	X
10/14/2020	83	78	763549	18:57	X
10/13/2020	140	79	763548	22.7	X
10/14/2020	84	80	763547	19.59	X
10/14/2020	162	81	763546	21.53	X
10/14/2020	159	82	763545	20.11	X
10/14/2020	163	83	763528	19.57	X
10/14/2020	138	84	763529	20.27	X
10/14/2020	131	85	763530	20.79	X
10/14/2020	80	86	763531	16.14	X
10/14/2020	83	87	763532	19.68	X
10/14/2020	84	88	763533	22.43	X
10/14/2020	163	89	763534	20.38	X
10/14/2020	159	90	763535	23.01	X
10/14/2020	138	91	763536	18.62	X
10/15/2020	162	92	763537	21.45	X
10/15/2020	131	93	763538	25.29	X
10/15/2020	160	94	763539	22.34	X
10/15/2020	80	95	763540	17.31	X
10/15/2020	84	96	763541	22.81	X
10/15/2020	83	97	763542	21.78	X
10/15/2020	163	98	763543	25.06	X
10/15/2020	159	99	763544	20.1	X
10/15/2020	83	100	1041191	20.06	X
10/15/2020	84	101	1041192	20.18	X
10/15/2020	162	102	1041193	9.98	X
10/15/2020	138	103	1041194	19.84	X
10/15/2020	80	104	1041195	19.33	X
10/15/2020	84	105	1041196	23.51	X
10/15/2020	131	106	1041197	20.59	X
10/15/2020	160	107	1041198	21.17	X
10/16/2020	163	108	1041199	23.45	X
10/16/2020	148	109	1041200	23.54	X
10/16/2020	162	110	1041201	24.52	X
10/16/2020	131	111	1041202	24.79	X

Table 5
Summary of Soil Shipped to Republic Services
(October 7, 2020 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448 Incident
Huntersville, North Carolina

Date	Truck No.	Load No.	Manifest No.	Tons	Manifest Previously Provided
10/16/2020	80	112	1041203	13.55	X
10/16/2020	140	113	1041204	22.24	X
10/16/2020	160	114	1041205	22.85	X
10/16/2020	131	115	1041206	21.88	X
10/16/2020	83	116	1041207	19.6	X
10/16/2020	138	117	1041208	22.2	X
10/16/2020	162	118	1041209	23.01	X
10/16/2020	163	119	1041210	22.69	X
10/16/2020	160	120	1041211	23.28	X
10/16/2020	80	121	1041212	20.78	X
10/16/2020	140	122	1041213	23.99	X
10/16/2020	83	123	1041214	20.75	X
10/16/2020	138	124	1041215	22.93	X
10/16/2020	131	125	1041216	23.66	X
10/16/2020	84	126	1041217	21.2	X
10/15/2020	83	127	1041240	20.23	X
10/15/2020	83	128	1041239	20.25	X
10/15/2020	138	129	1041238	23.64	X
10/15/2020	162	130	1041237	22.27	X
10/16/2020	84	131	1041236	21.25	X
10/15/2020	80	132	1041235	20.05	X
10/15/2020	131	133	1041234	22.39	X
10/15/2020	160	134	1041233	21.69	X
10/15/2020	83	135	1041232	19.76	X
10/16/2020	138	136	1041231	21.88	X
10/16/2020	83	137	1041230	19.9	X
10/16/2020	163	138	1041229	22.39	X
10/16/2020	160	139	1041228	21.86	X
10/16/2020	80	140	1041227	19.81	X
10/16/2020	138	141	1041226	22.35	X
10/16/2020	140	142	1041225	23.29	X
10/17/2020	83	143	1041224	21.04	X
10/16/2020	83	144	1041223	21.55	X
10/17/2020	131	145	1041222	24.25	X
10/17/2020	84	146	1041221	22.42	X
10/17/2020	84	147	1041220	20.74	X
10/17/2020	163	148	1041219	22.37	X

Table 5
Summary of Soil Shipped to Republic Services
(October 7, 2020 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448 Incident
Huntersville, North Carolina

Date	Truck No.	Load No.	Manifest No.	Tons	Manifest Previously Provided
10/17/2020	159	149	1041218	23.09	X
10/17/2020	160	150	1042521	28.87	X
10/17/2020	138	151	1042522	17.61	X
10/17/2020	162	152	1042523	22.25	X
10/17/2020	131	153	1042524	23.74	X
10/17/2020	83	154	1042525	21.69	X
10/19/2020	160	155	1042526	22.93	X
10/19/2020	138	156	1042527	21.68	X
10/17/2020	84	157	1042528	22.51	X
10/19/2020	84	158	1042529	21.84	X
10/19/2020	84	159	1042530	21.4	X
10/19/2020	131	160	1042531	25.24	X
10/19/2020	160	161	1042532	23.97	X
10/19/2020	80	162	1042533	22.1	X
10/19/2020	148	163	1042534	25.18	X
10/19/2020	163	164	1042535	23	X
10/19/2020	162	165	1042536	24.93	X
10/19/2020	83	166	1042537	20.12	X
10/19/2020	83	167	1042538	20.78	X
10/19/2020	159	168	1042539	23.25	X
10/19/2020	138	169	1042540	24.46	X
10/19/2020	163	170	1042541	24.13	X
10/19/2020	162	171	1042542	24.68	X
10/19/2020	159	172	1042552	22.51	X
10/19/2020	148	173	1042550	24.25	X
10/19/2020	80	174	1042549	19.28	X
10/19/2020	83	175	1042548	21.09	X
10/19/2020	83	176	1042547	20.36	X
10/19/2020	84	177	1042544	17.22	X
10/19/2020	84	178	1042543	21.05	X
10/19/2020	138	179	1042553	22.15	X
10/19/2020	160	180	1042554	22.46	X
10/19/2020	162	181	1042555	22.78	X
10/19/2020	163	182	1042556	22.84	X
10/19/2020	159	183	1042557	21.94	X
10/19/2020	80	184	1042558	19.46	X
10/19/2020	148	185	1042559	22.35	X

Table 5
Summary of Soil Shipped to Republic Services
(October 7, 2020 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448 Incident
Huntersville, North Carolina

Date	Truck No.	Load No.	Manifest No.	Tons	Manifest Previously Provided
10/19/2020	138	186	1042569	19.52	X
10/19/2020	160	187	1042568	21.9	X
10/19/2020	80	188	1042566	20.21	X
10/20/2020	148	189	1042565	23.85	X
10/19/2020	83	190	1042564	21.15	X
10/19/2020	163	191	1042563	22.45	X
10/20/2020	138	192	1042562	21.32	X
10/27/2020	138	193	1042561	26.39	X
10/27/2020	80	194	1042560	17.99	X
10/27/2020	83	195	1042570	17.61	X
10/27/2020	159	196	1042571	15.69	X
10/27/2020	163	197	1042572	27.02	X
10/27/2020	152	198	1042573	15.26	X
10/27/2020	162	199	1042574	12.25	X
10/27/2020	160	200	1042575	23.35	X
10/27/2020	148	201	1042576	19.66	X
10/27/2020	138	202	1042577	21.4	X
10/27/2020	80	203	1042578	17.99	X
10/27/2020	148	204	1042580	26.34	X
10/27/2020	159	205	1042581	21.14	X
10/27/2020	163	206	1042582	21.3	X
10/27/2020	160	207	1042583	23.81	X
10/27/2020	162	208	1042584	25.04	X
10/27/2020	152	209	1042585	28.95	X
10/27/2020	138	210	1042586	24.03	X
10/27/2020	148	211	1042587	29.6	X
10/27/2020	80	212	1042588	19.2	X
10/27/2020	83	213	1042589	19	X
10/27/2020	159	214	1042590	26.14	X
10/27/2020	163	215	1042591	27.96	X
10/27/2020	84	216	1042546	19.06	X
10/27/2020	84	217	1042545	18.83	X
10/27/2020	162	218	1042567	19.53	X
10/28/2020	83	219	1042592	18.61	X
10/28/2020	160	220	1042593	27.25	X
10/28/2020	160	221	1042594	27.11	X
10/28/2020	84	222	1042595	18.07	X

Table 5
Summary of Soil Shipped to Republic Services
(October 7, 2020 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448 Incident
Huntersville, North Carolina

Date	Truck No.	Load No.	Manifest No.	Tons	Manifest Previously Provided
10/28/2020	152	223	1042596	22.3	X
10/28/2020	80	224	1042597	19.45	X
10/28/2020	83	225	1042598	17.21	X
10/28/2020	148	226	1042599	26.88	X
10/28/2020	162	227	1042600	23.87	X
10/28/2020	163	228	1042601	26.78	X
10/28/2020	159	229	1042602	25.38	X
10/28/2020	160	230	1042603	24.73	X
10/28/2020	138	231	1042604	22.53	X
10/28/2020	80	232	1042605	18.57	X
10/28/2020	152	233	1042606	23.96	X
10/28/2020	84	234	1042607	19.48	X
10/29/2020	83	235	1042609	20.85	X
10/28/2020	162	236	1042610	20.04	X
10/28/2020	159	237	1042611	25.07	X
10/28/2020	163	238	1042612	23.46	X
10/29/2020	160	239	1042613	21.31	X
10/28/2020	138	240	1042614	22.8	X
10/29/2020	80	241	1042608	18.98	X
10/28/2020	82	242	1042616	1.93	X
12/1/2020	D11	243	1042716	8.99	X
12/4/2020	D10	244	1042719	18.13	X
12/7/2020	D10	245	1042718	10.86	X
12/7/2020	D10	246	1042717	20.31	X
12/8/2020	D10	247	1042715	16.57	X
12/8/2020	D10	248	1042714	18.27	X
12/9/2020	D10	249	1042713	17.75	X
12/9/2020	D10	250	1042712	16.03	X
12/15/2020	D9	251	1042711	18.3	X
12/15/2020	D10	252	1042710	15.67	X
12/28/2020	BT21	253	1042709	16.15	X
12/28/2020	BT10	254	1042708	17.13	X
12/28/2020	BT16	255	1042707	15.99	X
12/28/2020	D10	256	1042706	20.54	X
12/28/2020	BT13	257	1042705	13.73	X
12/29/2020	D11	258	1042704	18.02	X
12/29/2020	KT10	259	1042703	12.93	X

Table 5
Summary of Soil Shipped to Republic Services
(October 7, 2020 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448 Incident
Huntersville, North Carolina

Date	Truck No.	Load No.	Manifest No.	Tons	Manifest Previously Provided
12/29/2020	2	260	1042702	14.71	X
12/29/2020	BT11	261	1042701	13.49	X
12/29/2020	D10	262	1042700	18.08	X
12/29/2020	D11	263	1042699	16.5	X
12/29/2020	2	264	1042698	10.74	X
12/29/2020	BT11	265	1042697	15.39	X
12/29/2020	D10	266	1042696	21.92	X
12/29/2020	KT10	267	1042695	13.95	X
12/29/2020	D11	268	1042694	21.82	X
12/29/2020	2	269	1042693	14.59	X
12/29/2020	BT11	270	1042692	14.15	X
12/29/2020	KT10	271	1042691	11.87	X
12/29/2020	BT16	272	1042690	18.83	X
12/29/2020	D10	273	1042689	21.27	X
12/29/2020	2	274	1042688	13.89	X
12/29/2020	11	275	1042687	21.74	X
12/29/2020	KT10	276	1042686	14.07	X
12/30/2020	BT16	277	1042685	20.84	X
12/30/2020	2	278	1042684	20.55	X
12/30/2020	D9	279	1042683	24.14	X
12/30/2020	KT12	280	1042682	18.19	X
12/30/2020	KT10	281	1042681	16.65	X
12/30/2020	D10	282	1042680	23.35	X
12/30/2020	D11	283	1042679	20.99	X
12/30/2020	BT16	284	1042678	19.04	X
12/30/2020	KT12	285	1042677	13.2	X
12/30/2020	KT10	286	1042676	11.66	X
12/30/2020	2	287	1042675	13.89	X
12/30/2020	9	288	1042674	20.15	X
12/30/2020	D11	289	1042673	18.64	X
12/30/2020	BT16	290	1042672	21.59	X
12/30/2020	D10	291	1042671	24.53	X
12/30/2020	2	292	1042670	15.86	X
12/30/2020	D9	293	1042669	23.36	X
12/30/2020	KT12	294	1042668	12.59	X
12/30/2020	KT10	295	1042667	9.69	X
12/30/2020	BT16	296	1042666	16.34	X

Table 5
Summary of Soil Shipped to Republic Services
(October 7, 2020 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448 Incident
Huntersville, North Carolina

Date	Truck No.	Load No.	Manifest No.	Tons	Manifest Previously Provided
12/30/2020	2	297	1042665	13.59	X
12/30/2020	D9	298	1042664	20.03	X
12/30/2020	D10	299	1042663	22.03	X
12/30/2020	D11	300	1042662	19.31	X
12/30/2020	D10	301	1042661	23.84	X
12/30/2020	2	302	1042660	14.77	X
12/30/2020	KT12	303	1042659	16.1	X
1/4/2021	BT16	304	1042658	16.82	X
1/4/2021	D10	305	1042657	19.44	X
1/4/2021	D11	306	1042656	19.72	X
1/4/2021	KT10	307	1042655	10.66	X
1/4/2020	KT11	308	1042654	16.17	X
1/4/2020	D9	309	1042653	18.7	X
1/4/2021	BT16	310	1042652	16.49	X
1/4/2021	D10	311	1042651	16.61	X
1/4/2021	--	312	1042650	17.59	X
1/4/2021	--	313	1042649	16.52	X
1/5/2021	10	314	1042648	9.29	X
1/5/2021	2	315	1042647	15.68	X
1/5/2021	BT17	316	1042646	22.03	X
1/5/2021	BT13	317	1042645	18.95	X
1/5/2021	D10	318	1042644	17.82	X
1/5/2021	--	319	1042643	20.29	X
1/5/2021	D11	320	1042642	23.23	X
1/5/2021	2	321	1042641	14.6	X
1/5/2021	BT17	322	1042640	19.55	X
1/5/2021	BT13	323	1042639	15.93	X
1/5/2021	KT10	324	1042638	15.22	X
1/5/2021	D11	325	1042637	12.39	X
1/5/2021	2	326	1042636	14.48	X
1/5/2021	D10	327	1042635	10.74	X
1/5/2021	D11	328	1042634	21.16	X
1/5/2021	BT17	329	1042633	18.47	X
1/5/2021	BT13	330	1042632	14.13	X
1/5/2021	KT10	331	1042631	11.83	X
1/5/2021	2	332	1042630	13.84	X
1/6/2021	D10	333	1042629	22.66	X

Table 5
Summary of Soil Shipped to Republic Services
(October 7, 2020 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448 Incident
Huntersville, North Carolina

Date	Truck No.	Load No.	Manifest No.	Tons	Manifest Previously Provided
1/6/2021	BT9	334	1042628	14.21	X
1/6/2021	D11	335	1042627	23.62	X
1/6/2021	KT10	336	1042626	8.52	X
1/6/2021	2	337	1042625	13.34	X
1/6/2021	BT19	338	1042624	11.17	X
1/6/2021	BPD5	339	1042623	16.84	X
1/6/2021	KT11	340	1042622	17.73	X
1/6/2021	D11	341	1042621	21.52	X
1/6/2021	BT9	342	1042722	16.39	X
1/6/2021	BT19	343	1042723	21.74	X
1/7/2021	KT10	344	1042724	13.94	X
1/7/2021	KT10	345	1042725	14.62	X
1/7/2021	KT12	346	1042726	12.39	X
1/7/2021	BPD5	347	1042727	17.02	X
1/7/2021	BT19	348	1042728	15.29	X
1/7/2021	D11	349	1042729	17.38	X
1/7/2021	D10	350	1042730	23.65	X
1/7/2021	2	351	1042731	13.53	X
1/7/2021	BPD5	352	1042732	17.74	X
1/7/2021	KT10	353	1042733	15.05	X
1/7/2021	BT19	354	1042734	16.24	X
1/7/2021	D11	355	1042735	15.15	X
1/7/2021	D10	356	1042736	19.04	X
1/7/2021	2	357	1042737	13.75	X
1/7/2021	KT10	358	1042738	12.09	X
1/7/2021	KT12	359	1042739	14.06	X
1/7/2021	BT19	360	1042740	15.63	X
1/7/2021	BPD5	361	1042741	17.08	X
1/7/2021	D11	362	1042742	19.1	X
1/7/2020	D10	363	1042743	21.91	X
1/11/2021	D9	364	1042744	21.5	X
1/11/2021	KT12	365	1042745	10.82	X
1/11/2021	KT10	366	1042746	10.56	X
1/11/2021	D11	367	1042747	15.66	X
1/11/2021	BT13	368	1042748	18.33	X
1/11/2021	D10	369	1042749	20.7	X
1/11/2021	BT19	370	1042750	14.83	X

Table 5
Summary of Soil Shipped to Republic Services
(October 7, 2020 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448 Incident
Huntersville, North Carolina

Date	Truck No.	Load No.	Manifest No.	Tons	Manifest Previously Provided
1/11/2021	BT19	371	1042751	18.47	X
1/11/2021	BT10	372	1042752	17.11	X
1/11/2021	D11	373	1042753	22.73	X
1/11/2021	D10	374	1042754	23.1	X
1/11/2021	BT19	375	1042755	18.94	X
1/11/2021	BT13	376	1042756	22.47	X
1/11/2021	D9	377	1042757	21.75	X
1/11/2021	BT9	378	1042758	13.9	X
1/11/2021	BT10	379	1042759	18.24	X
1/11/2021	D11	380	1042760	23.37	X
1/11/2021	KT12	381	1042761	12.93	X
1/11/2021	KT10	382	1042762	12.26	X
1/11/2021	D10	383	1042763	18.35	X
1/11/2021	BT13	384	1042764	21.29	X
1/11/2021	BT19	385	1042765	16.45	X
1/11/2021	D9	386	1042766	16.4	X
1/11/2021	KT12	387	1042767	15.97	X
1/11/2021	BT10	388	1042768	14.74	X
1/11/2021	KT10	389	1042769	20.18	X
1/11/2021	BT9	390	1042770	22.24	X
1/11/2021	D10	391	1042771	13.66	X
1/11/2021	KT12	392	1042772	13.66	X
1/12/2021	D9	393	1042773	19.74	X
1/12/2021	D11	394	1042774	18.7	X
1/12/2021	KT10	395	1042775	12.27	X
1/12/2021	D10	396	1042776	20.91	X
1/12/2021	D9	397	1042777	20.9	X
1/12/2021	D10	398	1042778	19.92	X
1/12/2021	D10	399	1042779	20.7	X
1/12/2021	KT10	400	1042780	12.11	X
1/12/2021	D9	401	1042781	22.22	X
1/12/2021	D10	402	1042782	21.13	X
1/12/2021	KT10	403	1042783	11.51	X
1/12/2021	D11	404	1042784	13.36	X
1/14/2021	D9	405	1042785	19.56	X
1/14/2021	D9	406	1042786	20.38	X
1/14/2021	D11	407	1042787	19.11	X

Table 5
Summary of Soil Shipped to Republic Services
(October 7, 2020 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448 Incident
Huntersville, North Carolina

Date	Truck No.	Load No.	Manifest No.	Tons	Manifest Previously Provided
1/14/2021	D10	408	1042788	20.06	X
1/14/2021	D11	409	1042789	23.14	X
1/14/2021	D9	410	1042790	19.92	X
1/14/2021	D9	411	1042791	20.78	X
1/14/2021	D9	412	1042792	19.3	X
1/14/2021	D11	413	1042793	23.15	X
1/14/2021	BT10	414	1042794	21.01	X
1/15/2021	D10	415	1042795	20.98	X
1/15/2021	BT9	416	1042796	17.74	X
1/15/2021	D9	417	1042797	21.16	X
1/15/2021	D11	418	1042798	20.85	X
1/15/2021	D10	419	1042799	19.74	X
1/15/2021	D11	420	1042800	22.07	X
1/15/2021	D9	421	1042801	21.46	X
1/15/2021	D10	422	1042802	18.59	X
1/15/2021	D11	423	1042803	22.76	X
1/15/2021		424	1042804	19.6	X
1/22/2021	163	425	1042822	26.58	X
1/22/2021	162	426	1042818	25.2	X
1/22/2021	148	427	1042819	31.13	X
1/22/2021	96	428	1042805	12.12	X
1/22/2021		429	1042817	19.66	X
1/22/2021	138	430	1042821	19.66	X
1/29/2021	--	431	1042822	20.06	X
1/29/2021	--	432	1042824	17.5	X
2/2/2021	96	433	1042823	17.5	X
2/8/2021	96	434	1042826	18.68	X
2/15/2021	96	435	1042827	14.08	X
2/24/2021	82	436	1042828	21.27	X
3/9/2021	96	437	1042829	13.22	X
3/15/2021	82	438	1042830	10.78	X
4/23/2021	96	439	1042831	9.03	X
5/10/2021	82	440	1042832	10.59	X
6/2/2021	96	441	1042812	9.89	X
6/24/2021	96	442	1042833	13.99	X
7/28/2021	96	443	1042834	6.46	X
8/4/2021	96	444	1042835	14.38	X

Table 5
Summary of Soil Shipped to Republic Services
(October 7, 2020 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448 Incident
Huntersville, North Carolina

Date	Truck No.	Load No.	Manifest No.	Tons	Manifest Previously Provided
8/18/2021	82	445	1042836	10.59	X
9/2/2021	96	446	1042837	9.97	
9/17/2021	96	447	1042838	13.95	
9/17/2021	96	448	1042839	12.31	
Total				**8,730**	

SITE BFI/CMS LANDFILL 704-782-2004
5105 MOREHEAD RD CONCORD, NC 28025

CUSTOMER 100170
STAT INC
PO BOX 1443
LENOIR, NC 28645

Contract:50102012078
Generator:Colonial Pipeline Company

SITE Y6	TICKET # 1830614	CELL
WEIGHMASTER	Keyona C.	
DATE/TIME IN 9/2/21 12:25 pm		DATE/TIME OUT 9/2/21 12:25 pm
VEHICLE stat96		CONTAINER stat507
REFERENCE 1042837		
BILL OF LADING		

SCALE IN	GROSS WEIGHT	56,060	NET TONS 9.97	INBOUND
TARE OUT	TARE WEIGHT	36,120	NET WEIGHT 19,940	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
9.97	tn	SW-CONT SOIL-ALT DAILY COVER Origin:MECKLENBURG 100%				

HARD HATS AND SAFETY VEST ARE REQUIRED WHEN EXITING YOUR VEHICLE

WHILE IN THE LANDFILL. IF YOU DO NOT HAVE THESE ITEMS YOU MAY BORROW

A SET FROM THE SCALE HOUSE. THANK YOU.

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (07/12)

SIGNATURE _____

REPUBLIC SERVICES

Please print or type.

NON-HAZARDOUS WASTE MANIFEST

1042837

GENERATOR

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of	
			1 of 1

3. Generator's Name and Mailing Address	5. Generating Location (if different)
CPC PO BOX 87 Paw Creek, NC 28213 4. Phone ( )	Colonial Pipeline Company 1410 Harrisville-Concord Rd. Paw Creek, NC 28078 6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
10. Transporter #2 Company Name	**11. US EPA ID Number**	**12. Transporter #2's Phone**
13. Designated T/S/D Facility Name and Site Address	**14. US EPA ID Number**	**15. Facility's Phone**
CMS Landfill 5105 Morehead Rd Concord, NC 28027	704-262-6371	

16. Waste Shipping Name and Description	17. Republic Services Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. contaminated soil	5010-20-12078 9/17/2021				
b.				990	
c.				19940	

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

NR: STAT 190178

23. **GENERATOR'S CERTIFICATION:** I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

Printed/Typed Name	Signature	Month	Day	Year
Danny Keaton		9	02	21

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
John Bach		9	02	21

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

CMS LANDFILL 5105 MOREHEAD RD CONCORD, NC 28027 704-262-6371

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year
Kay		9	2	21

TRANSPORTER #2

SITE
BFI/CMS LANDFILL 704-782-2004
5105 MOREHEAD RD CONCORD, NC 28

CUSTOMER 100170
STAT INC
PO BOX 1443
LENOIR, NC 28645

Contract:50102012078
Generator:Colonial Pipeline Company

SITE	TICKET #	CELL
Y6	1833777	

WEIGHMASTER: Keyona C.

DATE/TIME IN	DATE/TIME OUT
9/17/21 10:07 am	9/17/21 10:33 ar

VEHICLE	CONTAINER
Spark40	stat507

REFERENCE: 1042838

BILL OF LADING:

SCALE IN	GROSS WEIGHT	60,540	NET TONS	13.95	INBOUND
SCALE OUT	TARE WEIGHT	32,640	NET WEIGHT	27,900	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
13.95	tn	SW-CONT SOIL-ALT DAILY COVER Origin:MECKLENBURG 100%				

HARD HATS AND SAFETY VEST ARE REQUIRED WHEN EXITING YOUR VEHICLE

WHILE IN THE LANDFILL. IF YOU DO NOT HAVE THESE ITEMS YOU MAY BORROW

A SET FROM THE SCALE HOUSE. THANK YOU.

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE _____

REPUBLIC SERVICES

Please print or type. NEW BRANCH

NON-HAZARDOUS WASTE MANIFEST

1042838

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
CPC PO BOX 87 Paw Creek, NC 28213 4. Phone ( )	Colonial Pipeline Company 14116 Huntersville-Concord Rd. Paw Creek, NC 28078 Huntersville, NC 28078 6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone

10. Transporter #2 Company Name	11. US EPA ID Number	12. Transporter #2's Phone

13. Designated T/S/D Facility Name and Site Address	14. US EPA ID Number	15. Facility's Phone
CMS Landfill 5185 Morehead Rd Concord, NC 28027	704-262-6371	

16. Waste Shipping Name and Description	17. Republic Services Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. contaminated soil 5010-20-12070	9/17/2021				
b.				BOB	
c.				BOND	

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information
SR: STAT 106179

23. **GENERATOR'S CERTIFICATION:** I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

Printed/Typed Name	Signature	Month	Day	Year
Tony Wooten	Tony Wooten	9	17	21

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Cody Ward	Cody Ward	9	17	

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space
CMS LANDFILL 5185 MOREHEAD RD CONCORD, NC 28027 704-262-6371

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year
Kelly		9	17	21

TRANSPORTER #2

SITE BFI/CMS LANDFILL 704-782-2004
5105 MOREHEAD RD CONCORD, NC 2

CUSTOMER 100170
STAT INC
PO BOX 1443
LENOIR, NC 28645

Contract:50102012078
Generator:Colonial Pipeline Company

SITE Y6	TICKET # 1833806	CELL	
WEIGHMASTER	Sonya R.		
DATE/TIME IN 9/17/21 12:01 pm		DATE/TIME OUT 9/17/21 12:01 pr	
VEHICLE Spark40		CONTAINER	
REFERENCE 1042839			
BILL OF LADING			

SCALE IN	GROSS WEIGHT	53,680	NET TONS	12.31
TARE OUT	TARE WEIGHT	29,060	NET WEIGHT	24,620

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
12.31	tn	SW-CONT SOIL-ALT DAILY COVER Origin:MECKLENBURG 100%				

HARD HATS AND SAFETY VEST ARE REQUIRED WHEN EXITING YOUR VEHICLE

WHILE IN THE LANDFILL. IF YOU DO NOT HAVE THESE ITEMS YOU MAY BORROW

A SET FROM THE SCALE HOUSE. THANK YOU.

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE _____

REPUBLIC SERVICES

Please print or type.

NON-HAZARDOUS WASTE MANIFEST

1042839

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of	
			1833806

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
CFC PO BOX 67 Paw Creek, NC 28213 4. Phone ( )	Colonial Pipeline Company 14105 Huntersville-Concord Rd. Paw Creek, NC 28078 Huntersville 6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone

10. Transporter #2 Company Name	11. US EPA ID Number	12. Transporter #2's Phone

13. Designated T/S/D Facility Name and Site Address	14. US EPA ID Number	15. Facility's Phone
CMS Landfill 5105 Morehead Rd Concord, NC 28027	704-262-6371	

16. Waste Shipping Name and Description	17. Republic Services Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. contaminated soil 3010-20-12078	9/17/2021			12.31	
b.				24620	
c.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information
SEE STAT 166179

23. **GENERATOR'S CERTIFICATION:** I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[signature]	9	17	21

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Cody Ward	[signature]	9	17	

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space
CMS LANDFILL 5105 MOREHEAD RD CONCORD, NC 28027 704-262-6371

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year
Sonya	[signature]	9	17	21

TRANSPORTER #2

Table 6
Summary of Liquids Shipped to
Aaron Oil
(September 12, 2020 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Date	Gallons	Bill of Lading No.	Manifest Previously Received
9/12/2020	5,191	154376	X
9/17/2020	3,497	154379	X
9/25/2020	4,911	154378	X
9/30/2020	5,333	155096	X
10/4/2020	2,450	154501	X
10/5/2020	4,873	154502	X
10/21/2020	5,200	147321	X
10/29/2020	5,000	155094	X
11/2/2020	5,363	154503	X
11/3/2020	5,500	154387	X
11/5/2021	5,300	155097	X
11/5/2020	4,755	155166	X
11/7/2020	5,000	155167	X
11/9/2021	5,500	155098	X
11/9/2020	5,000	155168	X
11/11/2020	5,000	155169	X
11/12/2021	5,000	155099	X
11/14/2020	5,000	155171	X
11/17/2020	5,224	155170	X
11/19/2020	5,286	155173	X
12/1/2020	5,130	155175	X
12/1/2020	5,500	154382	X
12/23/2020	5,191	155174	X
1/12/2021	2,500	155661	X
1/19/2021	5,000	155665	X
1/20/2021	5,000	155666	X
1/20/2021	5,400	155667	X
1/21/2021	5,000	155672	X
1/25/2021	5,500	155172	X
1/25/2021	5,254	155670	X
1/26/2021	4,050	155671	X
2/2/2021	5,000	155668	X
2/10/2020	5,000	155669	X
2/17/2021	7,700	155304	X
2/19/2021	5,000	155305	X
2/23/2021	5,000	155311	X
3/10/2021	2,500	155309	X
3/22/2021	2,800	155316	X
4/29/2021	2,700	155315	X

Table 6
Summary of Liquids Shipped to
Aaron Oil
(September 12, 2020 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Date	Gallons	Bill of Lading No.	Manifest Previously Received
9/24/2021	1,000	155319	
9/28/2021	3,500	155320	Not Yet Received
9/30/2021	750	155321	Not Yet Received
Total	**192,858**		

aaronoil™
A TRADEBE COMPANY

Material Manifest / Bill of Lading

NO. 155319

Section 1 **SHIPPER / GENERATOR** (Generator completes all of Section 1)

a. Company Name: _____ b. Generating Location: _____

c. Address: _____ d. Address: _____

_____ f. Shippers 24 Hour Emergency Ph# _____

e. Phone No: _____ Contact: _____

g. D.O.T. Description of Material: HM _____

See back for examples

h. Quantity _____ Units: _____ Type: _____

Containers:

Type
MD - Metal Drum
T - Truck
O - Other
RC - Rail Car
Units
Y3 - Cubic Yards
G - Gallons
B - Barrels
O - Other

Section: 1 2 3 4

i. AOC Description of Material: | | | | |

See back for definitions (enter correct letter)

j. Generator / Shipper U.S. EPA # _____ (if applicable)

k. ☐ Unused petroleum contaminated water / solids destined for recovery (IF CHECKED FILL OUT SECTION 2)

SHIPPER / GENERATOR'S CERTIFICATION: This is to certify that the above named material is properly classified, described, packaged, marked, and labeled, and is in proper condition for transportation according to the applicable regulations of the Department of Transportation. I further certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 and 279 or any applicable federal, state, and local laws. Also, if the material being shipped is used oil, generator certifies that the used oil does not contain any detectable levels of P.C.B.'s This transaction is subject to our terms and conditions attached. Generator / Shipper further certifies that the AOC description code on this manifest is accurately described based on "Accepted Materials" on back of this manifest.

X _____

Generator Authorized Agent Name **Signature** **Date**

Section 2 **PCW Section** (Generator complete a-c, only if box j. was checked in section 1)

PCW Sources

a. Tank number(s) / Tank service (gasoline, diesel, etc.)

No. _____ Service _____

No. _____ Service _____

No. _____ Service _____

b. Estimate % solids _____

c. 100% Pumpable Upon Delivery yes ☐ no ☐

Other Source Information _____

**The term (PCW) means waters containing unused virgin petroleum products and includes tank draw waters, tank cleaning waters / sludge, tank bottoms, etc.*

Certification

I hereby certify with each shipment of PCW that the PCW does not contain levels of toxics above those found in sources of the PCW and that the PCW originates from an unleaded fuel source.

_____

Generator Authorized Agent Name **Signature** **Date**

Section 3 **TRANSPORTER** (Generator complete a-c, Transporter I d-e. Transporter II f-j)

TRANSPORTER I

a. Name: _____

b. Address: _____

_____

c. Phone No: _____ d. U.S. EPA # _____

Acknowledgement of Receipt of Materials

e. X _____

Driver Signature Date

TRANSPORTER II

f. Name: _____

g. Address: _____

_____

h. Phone No: _____ i. U.S. EPA # _____

Acknowledgement of Receipt of Materials

j. _____

Driver Signature Date

Section 4 **DESTINATION** (Generator completes)

a. Site Name: _____

b. Physical Address: _____

_____

c. Phone No.: _____ U.S. EPA # _____

Section 5 **BILLING INFO** (if different from section 1)

a. Name: _____

b. Mailing Address: _____

_____

c. Phone No.: _____ Contact _____

d. Discrepancy Indication Space: _____

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

f. X _____

Name of Authorized Agent **Signature** **Date**

Form #48
Copyright 1997

White - Destination Retain Green - Return to Operator Canary - Return to Generator Pink - Transporter Retain Gold - Generator Retain Blue - Invoice Copy

Table 7
Summary of Liquids Shipped to MEI
(March 24, 2021 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Date	Gallons	Manifest No.	Manifest Previously Provided
3/24/2021	5,348	1	X
3/26/2021	5,538	5	X
3/26/2021	5,476	6	X
3/27/2021	5,481	7	X
3/27/2021	5,417	8	X
3/27/2021	5,538	9	X
3/29/2021	5,449	12	X
3/29/2021	5,480	13	X
3/29/2021	5,417	14	X
3/30/2021	5,480	15	X
3/30/2021	5,417	16	X
3/31/2021	5,417	17	X
3/31/2021	5,417	18	X
3/31/2021	5,417	19	X
4/1/2021	5,417	20	X
4/2/2021	5,417	21	X
4/3/2021	5,417	22	X
4/3/2021	5,482	23	X
4/5/2021	5,417	24	X
4/5/2021	5,417	25	X
4/5/2021	5,417	26	X
4/5/2021	5,417	27	X
4/5/2021	5,348	28	X
4/6/2021	5,417	29	X
4/6/2021	5,147	30	X
4/6/2021	5,417	31	X
4/7/2021	5,417	32	X
4/8/2021	5,417	33	X
4/8/2021	5,417	34	X
4/9/2021	5,195	35	X
4/9/2021	5,417	36	X
4/9/2021	5,417	37	X
4/9/2021	5,417	38	X
4/10/2021	5,417	39	X
4/10/2021	5,417	40	X
4/12/2021	5,417	41	X
4/12/2021	5,417	42	X
4/12/2021	5,417	43	X

Table 7
Summary of Liquids Shipped to MEI
(March 24, 2021 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

4/12/2021	5,417	44	X
4/13/2021	5,417	45	X
4/13/2021	5,417	46	X
4/13/2021	5,023	47	X
4/14/2021	5,417	48	X
4/14/2021	5,417	49	X
4/15/2021	5,417	50	X
4/15/2021	5,417	51	X
4/15/2021	5,417	52	X
4/16/2021	5,417	53	X
4/16/2021	5,417	54	X
4/17/2021	5,412	55	X
4/17/2021	5,410	56	X
4/17/2021	5,417	57	X
4/19/2021	5,417	58	X
4/19/2021	5,348	59	X
4/19/2021	5,417	60	X
4/19/2021	5,417	61	X
4/20/2021	5,417	62	X
4/20/2021	5,417	63	X
4/21/2021	5,417	64	X
4/21/2021	5,481	65	X
4/21/2021	3,000	66	X
4/21/2021	5,417	67	X
4/21/2021	5,417	68	X
4/22/2021	5,417	69	X
4/22/2021	5,417	70	X
4/22/2021	5,417	71	X
4/22/2021	5,417	72	X
4/23/2021	5,481	73	X
4/23/2021	5,417	74	X
Total	**370,967**		

Table 8
Summary of Liquids Shipped to HCC
(March 24, 2021 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Date	Gallons	Manifest No.	Manifest Previously Provided
3/24/2021	5,111	2	X
3/25/2021	5,417	3	X
3/25/2021	4,977	4	X
3/29/2021	5,417	11	X
Total	**20,922**		

Table 9
Summary of Liquids Removed by Covanta
(April 23, 2021 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

Date	Gallons	Manifest No.	Manifest Previously Provided
4/23/2021	5,024	139108	X
4/23/2021	5,259	139105	X
4/24/2021	5,125	139159	X
4/24/2021	5,076	139115	X
4/24/2021	5,125	139150	X
4/24/2021	5,022	139149	X
4/26/2021	4,964	139157	X
4/26/2021	5,010	139158	X
4/26/2021	5,020	139160	X
4/26/2021	5,084	139156	X
4/26/2021	5,029	139154	X
4/27/2021	5,024	139179	X
4/27/2021	5,180	139182	X
4/27/2021	5,122	139180	X
4/27/2021	4,847	139183	X
4/28/2021	5,173	139192	X
4/28/2021	5,129	139188	X
4/28/2021	5,175	139151	X
4/28/2021	5,300	139193	X
4/28/2021	4,664	139200	X
5/1/2021	5,156	139218	X
5/1/2021	5,141	139256	X
5/1/2021	4,832	139260	X
5/1/2021	5,118	139257	X
5/2/2021	5,050	139261	X
5/2/2021	5,300	139259	X
5/3/2021	5,209	139264	X
5/3/2021	5,000	139266	X
5/3/2021	5,213	139265	X
5/3/2021	4,456	139267	X
5/4/2021	5,055	139243	X
5/4/2021	5,048	139241	X
5/4/2021	4,412	139240	X
5/4/2021	5,036	139242	X
5/5/2021	5,041	139308	X
5/5/2021	5,141	139219	X
5/5/2021	5,029	139310	X
5/5/2021	5,096	139309	X

Table 9
Summary of Liquids Removed by Covanta
(April 23, 2021 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

5/6/2021	4,854	139277	X
5/6/2021	5,022	139281	X
5/6/2021	4,894	139278	X
5/6/2021	4,981	139282	X
5/7/2021	4,993	139351	X
5/7/2021	4,993	139354	X
5/7/2021	5,000	139350	X
5/7/2021	3,552	139356	X
5/8/2021	4,964	139326	X
5/8/2021	5,074	139328	X
5/8/2021	5,026	139325	X
5/8/2021	4,995	139323	X
5/9/2021	4,857	139324	X
5/10/2021	4,926	139331	X
5/10/2021	4,993	139333	X
5/10/2021	4,993	139332	X
5/10/2021	4,832	139330	X
5/11/2021	5,062	139235	X
5/11/2021	4,842	139233	X
5/11/2021	4,966	139274	X
5/11/2021	5,072	139234	X
5/12/2021	5,082	139371	X
5/12/2021	5,022	139377	X
5/12/2021	4,175	139370	X
5/12/2021	4,899	139367	X
5/14/2021	5,125	139393	X
5/14/2021	5,125	139394	X
5/15/2021	5,019	138935	X
5/15/2021	5,125	138936	X
5/16/2021	5,125	138937	X
5/17/2021	5,125	138940	X
5/17/2021	5,076	138923	X
5/17/2021	5,125	138924	X
5/17/2021	5,076	138925	X
5/17/2021	5,019	138932	X
5/18/2021	5,019	138934	X
5/18/2021	5,076	138958	X
5/18/2021	5,019	138931	X
5/18/2021	5,076	138957	X
5/18/2021	5,125	138960	X
5/18/2021	5,125	138959	X

Table 9
Summary of Liquids Removed by Covanta
(April 23, 2021 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

5/19/2021	5,125	138979	X
5/19/2021	5,076	138978	X
5/19/2021	5,025	138980	X
5/19/2021	5,076	138977	X
5/20/2021	5,125	138996	X
5/20/2021	5,076	138993	X
5/20/2021	5,076	139000	X
5/20/2021	5,125	138995	X
5/21/2021	5,125	151861	X
5/21/2021	5,125	151863	X
5/21/2021	3,727	151874	X
5/21/2021	5,076	151862	X
5/21/2021	5,019	151875	X
5/21/2021	5,076	138994	X
5/22/2021	4,800	139413	X
5/22/2021	5,076	151879	X
5/22/2021	5,010	151880	X
5/22/2021	5,019	151883	X
5/23/2021	5,019	151882	X
5/24/2021	5,019	151886	X
5/24/2021	5,076	139410	X
5/24/2021	5,076	151885	X
5/24/2021	4,570	139411	X
5/24/2021	5,010	151884	X
5/25/2021	5,076	139424	X
5/25/2021	5,125	151881	X
5/25/2021	5,076	139454	X
5/25/2021	5,125	139425	X
5/27/2021	5,125	139437	X
5/27/2021	5,076	139439	X
5/28/2021	5,125	139436	X
5/28/2021	5,076	139465	X
5/28/2021	5,125	139464	X
5/28/2021	5,076	139438	X
5/29/2021	5,082	139474	X
5/29/2021	5,000	139479	X
5/29/2021	5,000	139476	X
5/29/2021	5,082	139477	X
5/30/2021	5,125	139481	X
5/30/2021	4,799	139480	X
5/31/2021	5,125	139482	X

Table 9
Summary of Liquids Removed by Covanta
(April 23, 2021 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

5/31/2021	5,125	139483	X
5/31/2021	5,076	139486	X
5/31/2021	5,125	139431	X
5/31/2021	5,124	139430	X
6/1/2021	5,125	139429	X
6/1/2021	5,076	139487	X
6/1/2021	5,076	139489	X
6/1/2021	4,355	139488	X
6/2/2021	5,076	139533	X
6/2/2021	5,125	139508	X
6/2/2021	5,076	139507	X
6/2/2021	4,870	139534	X
6/3/2021	5,125	139518	X
6/3/2021	4,863	139516	X
6/3/2021	5,125	139521	X
6/3/2021	5,076	139519	X
6/4/2021	5,076	139504	X
6/4/2021	3,973	139501	X
6/4/2021	5,076	139503	X
6/4/2021	5,125	139502	X
6/5/2021	5,125	139550	X
6/5/2021	5,010	139553	X
6/5/2021	4,863	139549	X
6/5/2021	5,125	139551	X
6/6/2021	5,019	139548	X
6/6/2021	5,019	139547	X
6/7/2021	5,076	139543	X
6/7/2021	5,125	139541	X
6/7/2021	5,076	139562	X
6/7/2021	5,125	139542	X
6/8/2021	5,076	139579	X
6/8/2021	5,125	139577	X
6/8/2021	5,125	139576	X
6/8/2021	5,076	139578	X
6/10/2021	5,076	139825	X
6/10/2021	4,725	139824	X
6/10/2021	5,125	139823	X
6/11/2021	5,076	139627	X
6/11/2021	5,076	139628	X
6/11/2021	5,125	139822	X
6/11/2021	5,125	139900	X

Table 9
Summary of Liquids Removed by Covanta
(April 23, 2021 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

6/12/2021	5,010	139896	X
6/12/2021	5,000	139893	X
6/12/2021	5,076	139898	X
6/12/2021	5,000	139895	X
6/13/2021	5,124	139891	X
6/13/2021	5,125	139892	X
6/14/2021	5,076	139884	X
6/14/2021	5,125	139881	X
6/14/2021	5,076	139882	X
6/14/2021	5,100	139897	X
6/14/2021	4,775	139814	X
6/15/2021	5,076	139809	X
6/15/2021	5,125	139646	X
6/15/2021	4,526	139644	X
6/16/2021	5,125	139640	X
6/16/2021	5,076	139638	X
6/16/2021	5,125	139641	X
6/17/2021	5,125	139613	X
6/17/2021	5,076	139807	X
6/17/2021	5,125	139621	X
6/17/2021	5,076	139808	X
6/18/2021	5,076	139639	X
6/18/2021	5,125	139688	X
6/18/2021	4,600	139689	X
6/18/2021	5,076	139690	X
6/19/2021	5,125	139710	X
6/19/2021	4,411	139679	X
6/19/2021	5,000	139681	X
6/20/2021	5,019	139709	X
6/20/2021	5,019	139708	X
6/21/2021	5,076	139707	X
6/21/2021	5,125	139705	X
6/21/2021	5,200	139706	X
6/22/2021	5,076	139727	X
6/22/2021	5,125	139726	X
6/22/2021	5,125	139729	X
6/22/2021	5,076	139724	X
6/23/2021	5,076	139787	X
6/23/2021	5,125	139789	X
6/23/2021	5,076	139788	X
6/23/2021	5,125	139790	X

Table 9
Summary of Liquids Removed by Covanta
(April 23, 2021 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

6/24/2021	5,125	139802	X
6/24/2021	5,076	139800	X
6/24/2021	5,125	139803	X
6/24/2021	5,076	139801	X
6/25/2021	5,125	138380	X
6/25/2021	5,076	138379	X
6/25/2021	5,125	138381	X
6/25/2021	5,076	138378	X
6/25/2021	5,125	138385	X
6/26/2021	5,000	138391	X
6/26/2021	5,076	138390	X
6/26/2021	5,000	138393	X
6/26/2021	5,000	138392	X
6/27/2021	5,125	138395	X
6/27/2021	5,125	138396	X
6/28/2021	5,076	139806	X
6/28/2021	5,076	138366	X
6/28/2021	5,125	138365	X
6/28/2021	5,125	138364	X
6/28/2021	5,000	138394	X
6/29/2021	5,125	138324	X
6/29/2021	5,076	138322	X
6/29/2021	5,200	138323	X
6/29/2021	5,125	138325	X
6/30/2021	5,125	138341	X
6/30/2021	5,076	138339	X
6/30/2021	5,076	138340	X
6/30/2021	5,125	138342	X
7/2/2021	5,076	138331	X
7/2/2021	5,125	139784	X
7/2/2021	5,200	138332	X
7/3/2021	5,120	138244	X
7/3/2021	5,125	138247	X
7/3/2021	5,120	138242	X
7/4/2021	5,125	138240	X
7/4/2021	5,125	138243	X
7/5/2021	5,076	138239	X
7/5/2021	5,125	138236	X
7/5/2021	5,000	138237	X
7/5/2021	5,125	138238	X
7/5/2021	5,076	138241	X

Table 9
Summary of Liquids Removed by Covanta
(April 23, 2021 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

7/6/2021	5,125	138235	X
7/6/2021	5,076	138234	X
7/6/2021	5,076	138203	X
7/6/2021	5,125	138233	X
7/7/2021	5,076	138205	X
7/7/2021	5,125	138207	X
7/7/2021	4,900	138204	X
7/7/2021	4,725	138206	X
7/8/2021	5,125	138219	X
7/8/2021	5,125	138222	X
7/8/2021	5,125	138217	X
7/8/2021	5,125	138218	X
7/9/2021	5,125	138224	X
7/9/2021	5,076	138229	X
7/9/2021	5,125	138228	X
7/9/2021	4,960	138198	X
7/10/2021	5,125	138133	X
7/10/2021	5,125	138118	X
7/10/2021	5,000	138134	X
7/10/2021	5,125	138132	X
7/11/2021	5,124	138136	X
7/11/2021	5,125	138135	X
7/12/2021	5,125	138148	X
7/12/2021	5,019	138147	X
7/12/2021	5,125	138146	X
7/12/2021	5,019	138149	X
7/13/2021	5,125	138129	X
7/13/2021	5,076	138126	X
7/13/2021	5,125	138130	X
7/13/2021	5,076	138113	X
7/15/2021	5,125	138054	X
7/15/2021	5,076	138091	X
7/15/2021	5,125	138053	X
7/16/2021	5,125	138041	X
7/16/2021	5,124	138038	X
7/16/2021	5,125	138042	X
7/16/2021	5,124	138040	X
7/17/2021	5,125	138044	X
7/17/2021	5,100	138045	X
7/17/2021	5,125	138043	X
7/17/2021	5,125	138046	X

Table 9
Summary of Liquids Removed by Covanta
(April 23, 2021 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

7/18/2021	5,000	138048	X
7/18/2021	5,019	138047	X
7/18/2021	5,125	138049	X
7/19/2021	5,000	137995	X
7/19/2021	5,125	138028	X
7/19/2021	5,125	137990	X
7/19/2021	5,125	138009	X
7/19/2021	5,125	138010	X
7/20/2021	5,125	137987	X
7/20/2021	5,076	138007	X
7/20/2021	5,125	138000	X
7/20/2021	5,125	137998	X
7/20/2021	5,000	137968	X
7/21/2021	5,125	137969	X
7/21/2021	5,076	137967	X
7/21/2021	5,125	137971	X
7/21/2021	5,076	137970	X
7/22/2021	5,076	137920	X
7/22/2021	5,125	137922	X
7/22/2021	5,125	137927	X
7/22/2021	5,076	137923	X
7/22/2021	5,125	137925	X
7/22/2021	5,125	137926	X
7/23/2021	5,076	137957	X
7/23/2021	5,125	138900	X
7/23/2021	5,076	137954	X
7/23/2021	5,125	137956	X
7/24/2021	5,125	138888	X
7/24/2021	5,076	138890	X
7/24/2021	5,125	138887	X
7/24/2021	5,125	138889	X
7/24/2021	5,076	138891	X
7/25/2021	5,010	138868	X
7/25/2021	5,124	138885	X
7/25/2021	5,124	138886	X
7/25/2021	5,000	138871	X
7/26/2021	5,076	138870	X
7/26/2021	5,125	138872	X
7/26/2021	5,076	138873	X
7/26/2021	5,125	138875	X
7/27/2021	5,125	138846	X

Table 9
Summary of Liquids Removed by Covanta
(April 23, 2021 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

7/27/2021	5,076	138848	X
7/27/2021	5,125	138849	X
7/27/2021	5,076	138850	X
7/28/2021	5,125	138820	X
7/28/2021	5,076	138816	X
7/29/2021	5,125	138832	X
7/29/2021	5,076	138830	X
7/29/2021	5,076	138833	X
7/29/2021	5,125	138835	X
7/30/2021	5,076	138721	X
7/30/2021	5,125	138723	X
7/30/2021	5,125	138729	X
7/30/2021	5,076	138722	X
7/31/2021	5,000	138691	X
7/31/2021	5,076	138689	X
7/31/2021	5,125	138690	X
7/31/2021	5,000	138688	X
7/31/2021	5,076	138686	X
8/1/2021	5,019	138692	X
8/1/2021	5,125	138693	X
8/1/2021	5,124	138699	X
8/2/2021	5,125	138694	X
8/2/2021	5,076	138697	X
8/2/2021	5,019	138696	X
8/2/2021	5,125	138703	X
8/2/2021	5,076	138700	X
8/2/2021	5,019	138702	X
8/3/2021	5,076	138737	X
8/3/2021	5,125	138740	X
8/3/2021	5,125	138648	X
8/3/2021	5,076	138738	X
8/3/2021	5,125	138649	X
8/3/2021	5,125	138651	X
8/4/2021	5,076	138665	X
8/4/2021	5,125	138660	X
8/4/2021	5,125	138661	X
8/4/2021	5,076	138658	X
8/4/2021	5,125	138663	X
8/4/2021	5,125	138662	X
8/5/2021	5,076	138590	X
8/5/2021	5,000	138587	X

Table 9
Summary of Liquids Removed by Covanta
(April 23, 2021 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

8/5/2021	5,125	138585	X
8/5/2021	5,076	138589	X
8/5/2021	5,000	138584	X
8/5/2021	5,125	138582	X
8/6/2021	5,076	138677	X
8/6/2021	5,125	138675	X
8/6/2021	5,125	138670	X
8/6/2021	5,076	138674	X
8/6/2021	5,125	138673	X
8/7/2021	4,900	138569	X
8/7/2021	5,125	138565	X
8/7/2021	5,000	138567	X
8/7/2021	5,076	138570	X
8/8/2021	5,125	138573	X
8/8/2021	5,125	138574	X
8/8/2021	5,125	138571	X
8/9/2021	5,125	138532	X
8/9/2021	5,076	138557	X
8/9/2021	5,125	138559	X
8/9/2021	5,076	138560	X
8/9/2021	4,850	138562	X
8/10/2021	5,125	138546	X
8/11/2021	5,125	138470	X
8/11/2021	5,125	138462	X
8/12/2021	5,076	138474	X
8/12/2021	5,125	138493	X
8/12/2021	5,076	138475	X
8/12/2021	5,125	138492	X
8/13/2021	5,076	138407	X
8/13/2021	5,125	138472	X
8/13/2021	5,076	138408	X
8/13/2021	5,125	138473	X
8/14/2021	5,000	138419	X
8/14/2021	5,076	138418	X
8/14/2021	5,125	138422	X
8/14/2021	5,000	138423	X
8/15/2021	5,125	138421	X
8/15/2021	5,125	138410	X
8/15/2021	5,124	138420	X
8/15/2021	5,124	138409	X
8/16/2021	5,125	138435	X

Table 9
Summary of Liquids Removed by Covanta
(April 23, 2021 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

8/16/2021	5,125	138437	X
8/16/2021	5,000	138440	X
8/16/2021	5,125	138436	X
8/16/2021	5,125	138438	X
8/16/2021	4,570	138439	X
8/17/2021	5,076	138444	X
8/17/2021	5,125	138548	X
8/17/2021	5,125	138446	X
8/17/2021	5,076	138445	X
8/18/2021	5,125	221090	X
8/18/2021	5,076	221085	X
8/18/2021	5,125	221087	X
8/18/2021	5,076	138424	X
8/19/2021	5,000	221388	X
8/19/2021	5,076	221092	X
8/19/2021	5,125	221094	X
8/19/2021	5,076	221093	X
8/19/2021	5,125	221386	X
8/20/2021	5,076	221392	X
8/20/2021	5,125	221394	X
8/20/2021	5,125	221395	X
8/20/2021	5,076	221492	X
8/20/2021	5,125	221493	X
8/21/2021	5,000	221521	X
8/21/2021	5,125	221519	X
8/21/2021	5,000	221522	X
8/21/2021	5,125	221523	X
8/22/2021	5,076	221527	X
8/22/2021	5,125	221531	X
8/22/2021	5,076	222244	X
8/22/2021	5,125	222245	X
8/23/2021	5,076	221863	X
8/23/2021	5,125	50221864	X
8/23/2021	5,125	56222025	X
8/23/2021	5,125	50222024	X
8/23/2021	5,076	221867	X
8/23/2021	5,125	50221866	X
8/24/2021	5,076	221895	X
8/24/2021	5,125	222414	X
8/24/2021	5,125	221899	X
8/24/2021	5,076	221896	X

Table 9
Summary of Liquids Removed by Covanta
(April 23, 2021 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

8/24/2021	5,125	222412	X
8/24/2021	5,125	221898	X
8/25/2021	5,125	221904	X
8/25/2021	5,125	221902	X
8/25/2021	5,125	221903	X
8/25/2021	5,125	221900	X
8/27/2021	5,000	222194	X
8/27/2021	5,125	222193	X
8/27/2021	5,125	222191	X
8/27/2021	5,076	222188	X
8/28/2021	5,125	222198	X
8/28/2021	5,125	222200	X
8/28/2021	5,125	222204	X
8/28/2021	5,125	222199	X
8/28/2021	5,020	222912	X
8/29/2021	5,000	222211	X
8/29/2021	5,000	222214	X
8/29/2021	5,000	223793	X
8/29/2021	5,000	22239792	X
8/29/2021	5,000	222917	X
8/29/2021	5,125	223815	X
8/30/2021	5,125	224025	X
8/30/2021	5,125	224026	X
8/30/2021	5,076	224027	X
8/30/2021	5,125	222914	X
8/30/2021	5,125	222901	X
8/30/2021	5,076	223848	X
8/31/2021	5,076	223127	X
8/31/2021	5,125	223134	X
8/31/2021	5,076	223132	X
8/31/2021	5,125	223135	X
8/31/2021	5,000	224042	X
8/31/2021	5,000	223165	X
9/1/2021	5,125	140425	
9/1/2021	5,125	140423	
9/1/2021	5,076	140421	
9/1/2021	5,125	140422	
9/1/2021	5,076	140420	
9/2/2021	5,125	140436	
9/2/2021	5,012	140434	
9/2/2021	5,076	140433	

Table 9
Summary of Liquids Removed by Covanta
(April 23, 2021 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

9/2/2021	5,125	140437	
9/2/2021	5,125	140435	
9/2/2021	5,076	140432	
9/3/2021	5,125	140442	
9/3/2021	5,125	140440	
9/3/2021	5,076	140438	
9/3/2021	5,125	140441	
9/3/2021	5,125	140443	
9/3/2021	5,125	140445	
9/4/2021	5,125	140401	
9/4/2021	5,120	140457	
9/4/2021	5,125	140405	
9/4/2021	5,125	140403	
9/5/2021	5,125	140455	
9/5/2021	5,125	140404	
9/5/2021	5,124	140407	
9/5/2021	5,124	140406	
9/6/2021	5,125	140551	
9/6/2021	5,125	140458	
9/6/2021	5,125	140553	
9/6/2021	5,125	140552	
9/6/2021	5,125	140461	
9/6/2021	5,125	140554	
9/7/2021	5,076	140413	
9/7/2021	5,125	140415	
9/7/2021	5,125	140418	
9/7/2021	5,076	140412	
9/7/2021	5,125	140414	
9/8/2021	4,800	140540	
9/8/2021	5,125	140576	
9/8/2021	5,125	140541	
9/8/2021	5,125	140573	
9/8/2021	5,125	140542	
9/9/2021	5,125	140563	
9/9/2021	5,125	140565	
9/9/2021	5,125	140568	
9/9/2021	5,125	140564	
9/9/2021	5,125	140562	
9/10/2021	5,076	140556	
9/10/2021	4,910	140578	
9/10/2021	5,125	140582	

Table 9
Summary of Liquids Removed by Covanta
(April 23, 2021 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

9/10/2021	5,076	140555	
9/10/2021	5,125	140579	
9/11/2021	5,125	140604	
9/11/2021	5,125	140602	
9/11/2021	5,125	140605	
9/11/2021	5,000	140603	
9/12/2021	5,076	140625	
9/12/2021	5,000	140606	
9/12/2021	5,076	140622	
9/12/2021	5,125	140624	
9/13/2021	5,125	140614	
9/13/2021	5,125	140621	
9/13/2021	5,125	140615	
9/13/2021	5,076	140613	
9/13/2021	5,076	140612	
9/13/2021	5,125	140623	
9/14/2021	5,125	140720	
9/14/2021	5,076	140580	
9/14/2021	5,076	140719	
9/14/2021	5,125	140722	
9/14/2021	5,125	140721	
9/14/2021	4,200	140723	
9/15/2021	5,076	140729	
9/15/2021	5,125	140731	
9/15/2021	5,125	140763	
9/15/2021	5,125	140730	
9/17/2021	5,125	140769	
9/17/2021	5,125	140768	
9/17/2021	4,850	140767	
9/17/2021	5,125	140597	
9/18/2021	5,125	140772	
9/18/2021	5,125	140775	
9/18/2021	5,125	140770	
9/18/2021	5,125	140773	
9/19/2021	5,124	140778	
9/19/2021	5,125	140776	
9/19/2021	5,125	140743	
9/19/2021	5,124	140779	
9/20/2021	5,125	140793	
9/20/2021	5,125	140790	
9/20/2021	5,076	140784	

Table 9
Summary of Liquids Removed by Covanta
(April 23, 2021 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

9/20/2021	5,125	140791	
9/20/2021	5,125	140788	
9/20/2021	5,076	140783	
9/21/2021	5,125	140808	
9/21/2021	5,125	140805	
9/21/2021	5,076	140807	
9/21/2021	5,076	140806	
9/21/2021	5,125	140809	
9/21/2021	5,125	140811	
9/22/2021	5,125	140830	
9/22/2021	5,076	140826	
9/22/2021	5,125	140832	
9/22/2021	5,076	140831	
9/22/2021	5,125	140833	
9/24/2021	5,125	140869	
9/24/2021	5,076	140862	
9/24/2021	5,076	140867	
9/24/2021	5,125	140868	
9/25/2021	5,125	140881	
9/25/2021	5,000	140883	
9/25/2021	5,125	140900	
9/25/2021	5,000	140880	
9/26/2021	5,125	140898	
9/26/2021	5,076	140899	
9/26/2021	5,125	140871	
9/26/2021	5,076	140897	
9/27/2021	5,076	140884	
9/27/2021	5,125	140886	
9/27/2021	5,000	140888	
9/27/2021	5,125	140890	
9/27/2021	5,076	140887	
9/27/2021	5,125	140889	
9/28/2021	5,125	139920	
9/28/2021	5,076	139922	
9/28/2021	5,125	140870	
9/28/2021	5,125	139924	
9/28/2021	5,125	139921	
9/28/2021	5,125	139923	
9/29/2021	5,076	139967	
9/29/2021	5,125	139965	
9/29/2021	5,125	139963	

Table 9
Summary of Liquids Removed by Covanta
(April 23, 2021 - September 30, 2021)

Colonial Pipeline Company
2020-L1-SR2448
Huntersville, North Carolina

9/29/2021	5,125	139962	
9/29/2021	4,700	139966	
9/29/2021	5,125	139964	
9/30/2021	5,125	139946	
9/30/2021	5,125	139948	
9/30/2021	5,076	139950	
9/30/2021	5,125	139947	
9/30/2021	5,125	139949	
9/30/2021	5,076	139951	
Total	**3,146,341**		

COVANTA
Environmental Solutions

SO223442

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	CES 140425

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions — U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:

U.S. EPA ID Number: NCR000135384

SHIPPER

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	01	TT	5125	G	PLACARD? None YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information

1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 34
Emergency Response Guide On-
Site arrival time 0650
Site departure time 0910
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Danny Webster — Signature: [signature] — Month 09 Day 01 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jamie McNeil — Signature: [signature] — Month 09 Day 01 Year 21

Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) — Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Katina Davis — Signature: [signature] — Month 9 Day 1 Year 21

COVANTA
Environmental Solutions

SO223413

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SHIPPER

BILL OF LADING	1. Shipper ID Number NCVSQG	2. Page 1 of	3. Emergency Response Phone (800) 814-1204	4. Tracking Number CES 140423

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions — U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ NO ☒ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information

1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # C-3
Emergency Response Guide On-
Site arrival time C-40
Site departure time
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Danny Wooten — Signature: Danny Wooten — Month 9 Day 1 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bobby Jarrett — Signature: Bobby Jarrett — Month 9 Day 1 Year 21

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) — Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kalin Davis — Signature — Month 9 Day 1 Year 21

COVANTA
Environmental Solutions

RD-40
TR-18

SO223331

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number: NCVSQG
2. Page 1 of
3. Emergency Response Phone: (800) 814-1204
4. Tracking Number: CES 140421

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

SHIPPER

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5076	G	PLACARD? None YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information

1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide On-board
Site arrival time 6:40 AM
Site departure time 7:50 AM
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Danny Wooten
Signature: Danny Wooten
Month 9 Day 1 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bill Johnston
Signature: Bill Johnston
Month 9 Day 1 Year 21

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Katie Davis
Signature:
Month 9 Day 1 Year 21

COVANTA
Environmental Solutions

SO223416

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140422

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	8125	G	PLACARD? None YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #_____
Emergency Response Guide On-bo
Site arrival time _____
Site departure time _____
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Danny Wooten
Signature
Month 9 Day 1 Year 21

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bobby Jarrett
Signature
Month 9 Day 1 Year 21
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kalin Davis
Signature
Month 9 Day 1 Year 21

COVANTA
Environmental Solutions

RD-40
TR-18

SO223333

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING	1. Shipper ID Number: NCVSQG	2. Page 1 of	3. Emergency Response Phone: (800) 814-1204	4. Tracking Number: CES 140420

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5076	G	PLACARD? None YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide On-b
Site arrival time 11:20 AM
Site departure time 11:45 AM
www.covanta.com

14. **SHIPPER'S CERTIFICATION:** I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Danny Wooten
Signature:
Month 9 Day 1 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bill Johnston
Signature: Bill Johnston
Month 9 Day 1 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kaline Davis
Signature:
Month 9 Day 21 Year

COVANTA
Environmental Solutions

SO223605

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	CES 140436

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	01	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #34
Emergency Response Guide On-boa
Site arrival time 1320
Site departure time 1410
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Amy Wooten
Signature:
Month 09 Day 02 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jamie McNeil
Signature:
Month 09 Day 02 Year 21

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kalinda Davis
Signature:
Month 9 Day 2 Year 21

COVANTA
Environmental Solutions

SO223595

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140434

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128			5012		PLACARD? None YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #_____
Emergency Response Guide On-boa
Site arrival time _____
Site departure time _____
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Danny Wooten
Signature
Month 9 Day 2 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bobby Jarrett
Signature
Month 9 Day 2 Year 21
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name
Signature
Month 9 Day 2 Year 21

COVANTA
Environmental Solutions

RD-40
TR-18

SO223588

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140433

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions — U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5076	G	PLACARD? None YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information

1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guidebook
Site arrival time 11:30 AM
Site departure time 12:00 PM
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Danny Wooten — Signature — Month 9 Day 2 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bill Johnston — Signature — Month 9 Day 2 Year 21

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) — Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kaline Davis — Signature — Month 9 Day 2 Year 21

COVANTA
Environmental Solutions

SO223601

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	CES 140437

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078

6. Transporter 1 Company Name
Covanta Environmental Solutions
U.S. EPA ID Number
PAR000043026

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number
NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	01	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 34
Emergency Response Guide On-boar
Site arrival time 0650
Site departure time 0930
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Tony Worster
Signature:
Month 09 Day 02 Year 21

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jamie McNeill
Signature:
Month 09 Day 02 Year 21
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kaleena Davis
Signature:
Month 9 Day 2 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO223593

BILL OF LADING	1. Shipper ID Number: NCVSQG	2. Page 1 of	3. Emergency Response Phone: (800) 814-1204	4. Tracking Number: CES 140435

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ None ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #____
Emergency Response Guide On-boar
Site arrival time____
Site departure time____
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Danny Wooten
Signature:
Month: 9 Day: 2 Year: 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bobby Jarrett
Signature:
Month: 9 Day: 2 Year: 21
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month: Day: Year:

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kaline Davis
Signature:
Month: 9 Day: 2 Year: 21

COVANTA
Environmental Solutions

RD-40
TR-18

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO223585

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140432

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5076	G	PLACARD? YES ☐ NO None ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide On-board
Site arrival time 6:30 AM
Site departure time 8:00 AM
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Danny Wooten
Signature:
Month 9 Day 2 Year 21

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bill Johnston
Signature: Bill Johnston
Month 9 Day 2 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kalin Davis
Signature:
Month 9 Day 2 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO223699

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140442

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	01	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #34
Emergency Response Guide On-boa
Site arrival time 0650
Site departure time 0935
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Tony Worten
Signature:
Month 09 Day 03 Year 21

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jamie Merrell
Signature:
Month 09 Day 03 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in item 17a
Printed/Typed Name: Katina Davis
Signature:
Month 9 Day 3 Year 21

COVANTA
Environmental Solutions

SO223695

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	CES 140440

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions — U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #_____
Emergency Response Guide On-boa
Site arrival time _____
Site departure time _____
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Eddie Henderson FOR ADAM HARRIS — Signature: Eddie Henderson — Month 9 Day 3 Year 21

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bobby Jarrett — Signature: Bobby Jarrett — Month 9 Day 3 Year 21

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED CONSIGNEE
17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) — Month — Day — Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kaline Davis — Signature — Month 9 Day 3 Year 21

COVANTA
Environmental Solutions

RD-40
JR-18

SO223689

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140438

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5076	G	PLACARD? None YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # JR-18
Emergency Response Guide Onboa
Site arrival time 2:30 PM
Site departure time 3:20 PM
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Danny Wooten
Signature:
Month 9 Day 3 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bill Johnston
Signature: Bill Johnston
Month 9 Day 3 Year 21

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kaline Davis
Signature:
Month 9 Day 3 Year 21

COVANTA
Environmental Solutions

RD-40
SO223691 TR-18

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140441

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide on-boa
Site arrival time 12:00 PM
Site departure time 12:30 PM
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Larry Wooten
Signature:
Month 9 Day 3 Year 21

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bill Johnston
Signature: Bill Johnston
Month 9 Day 3 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Haline Davis
Signature:
Month 1 Day 3 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO223697

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140443

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	525	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #_____
Emergency Response Guide On-boar
Site arrival time _____
Site departure time _____
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Danny Wooten		9	3	21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Bobby Jarrett	Bobby Jarrett	9	3	21
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
NatlineDavis		9	3	21

COVANTA
Environmental Solutions

SO223700

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	CES 140445

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	01	TT	5125	G	PLACARD? None YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #34
Emergency Response Guide On-boa
Site arrival time 1300
Site departure time 1400
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Danny Wooten
Signature:
Month 09 Day 03 Year 24

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Steve Mowell
Signature:
Month 09 Day 03 Year 24
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Katina Davis
Signature:
Month 9 Day 3 Year 24

COVANTA
Environmental Solutions

RD-40
SO223707 TR-18

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SHIPPER

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140401

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions — U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? None YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information

1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide on boa
Site arrival time 6:30 am
Site departure time 8:30 am
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Danny Wooten — Signature: [signature] — Month 9 Day 4 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bill Johnston — Signature: Bill Johnston — Month 9 Day 4 Year 21

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) — Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Katie Davis — Signature: [signature] — Month 9 Day 4 Year 21

COVANTA
Environmental Solutions

SO223709

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	CES 140457

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5120		PLACARD? None YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #:_____
Emergency Response Guide On-boa
Site arrival time _____
Site departure time _____
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Danny Wooten
Signature:
Month 9 Day 4 Year 21

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: TREVOR FOSTER
Signature: Trevor Foster
Month 9 Day 4 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Katine Davis
Signature:
Month 9 Day 4 Year 21

COVANTA
Environmental Solutions

RD-40
SO223704 TR-18

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140405

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? None YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide On-boar
Site arrival time 12:00
Site departure time 12:30
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: EDDIE ANDERSON FOR ADAM HARRIS
Signature: Eddie Anderson
Month 9 Day 4 Year 21

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bill Johnston
Signature: Bill Johnston
Month 9 Day 4 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Katina Davis
Signature:
Month 9 Day 4 Year 21

COVANTA
Environmental Solutions

SO223710

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140403

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? None YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #_____
Emergency Response Guide On-boa
Site arrival time _____
Site departure time _____
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: EDDIE ANDERSON FOR ADAM HARRIS
Signature: Eddie Anderson
Month 9 Day 4 Year 21

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: TREVOR FOSTER
Signature: Trevor Foster
Month 9 Day 4 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kalin Davis
Signature:
Month 9 Day 4 Year 21

COVANTA
Environmental Solutions

SO223715

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	CES 140455

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 600
Emergency Response Guide On-boa
Site arrival time 6:30
Site departure time 8:50
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: EDDIE ANDERSON FOR ADAM HARRIS
Signature: Eddie Anderson
Month 9 Day 5 Year 21

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bobby Jarrett
Signature: Bobby Jarrett
Month 9 Day 5 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kalin Davis
Signature:
Month 9 Day 5 Year 21

COVANTA
Environmental Solutions

SO223714

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	CES 140404

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions — U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 60
Emergency Response Guide On-boa
Site arrival time _____
Site departure time _____
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: EDDIE ANDERSON FOR ADAM HARRIS — Signature: Eddie Anderson — Month 9 Day 5 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bobby Jarrett — Signature: Bobby Jarrett — Month 9 Day 5 Year 21

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) — Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Katina Davis — Signature — Month 9 Day 5 Year 21

COVANTA
Environmental Solutions

SO225405

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG	1	(800) 814-1204	CES 140407

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5124	G	PLACARD? YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 33
Emergency Response Guide On-boar
Site arrival time _____
Site departure time _____
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
EDDIE ANDERSON FOR ADAM HARRIS	Eddie Anderson	9	5	21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
James Prather		9	5	21
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
KalineDavis		9	5	21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO225415

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG	1	(800) 814-1204	CES 140406

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5124	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 33
Emergency Response Guide On-boar
Site arrival time _____
Site departure time _____
www.covanta.com

14. **SHIPPER'S CERTIFICATION:** I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: EDDIE ANDERSON FOR ADAM HARRIS
Signature:
Month 9 Day 5 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: James Prather
Signature:
Month 9 Day 5 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kaline Davis
Signature:
Month 9 Day 5 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO225639

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140551

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	01	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information

1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 34
Emergency Response Guide On-boa
Site arrival time 0645
Site departure time 0900
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: EDDIE ANDERSON FOR ADAM HARRIS
Signature: Eddie Anderson
Month 09 Day 06 Year 21

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jamie McNeill
Signature: Jamie McNeill
Month 09 Day 06 Year 21

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kaline Davis
Signature: [signature]
Month 9 Day 6 Year 21

SHIPPER | INT'L | TRANSPORTER | DESIGNATED CONSIGNEE

COVANTA
Environmental Solutions

RD-40
TR-18

SO225630

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	CES 140458

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ NO None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #: TR-18
Emergency Response Guide Onboar
Site arrival time 6:20 AM
Site departure time 8:30 AM
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: EDDIE ANDERSON FOR ADAM HARRIS
Signature: Eddie Anderson
Month 9 Day 6 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bill Johnston
Signature: Bill Johnston
Month 9 Day 6 Year 21

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kelin Davis
Signature:
Month 9 Day 6 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO225637

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140553

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125		PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 620
Emergency Response Guide On-boa
Site arrival time _____
Site departure time _____
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
EDDIE ANDERSON FOR ADAM HARRIS	Eddie Anderson	9	14	21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Bobby Jarrett	Bobby Jarrett	9	14	21
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper) Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Katina Davis		9	14	21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO225642

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140552

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	01	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 34
Emergency Response Guide On-boa
Site arrival time 1220
Site departure time 1345
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: EDDIE ANDERSON FOR ADAM HARRIS
Signature:
Month: 09 Day: 06 Year: 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: JAMIE MCNEILL
Signature:
Month: 09 Day: 06 Year: 21
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month: Day: Year:

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name:
Signature:
Month: 9 Day: 6 Year: 21

COVANTA
Environmental Solutions

RD-40
TR-18

SO225632

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	CES 140461

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ None ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide On-boar
Site arrival time 12:00 PM
Site departure time 12:45 PM
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: EDDIE ANDERSON FOR ADAM HARRIS
Signature: Eddie Anderson
Month 9 Day 6 Year 21

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bill Johnston
Signature: Bill Johnston
Month 9 Day 6 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Valine DAVIS
Signature:
Month 9 Day 6 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO225638

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140554

SHIPPER

5. Shipper's Name and Mailing Address

Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

Shipper's Phone:

Shipper's Site Address (if different than mailing address)

Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions — U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Consignee Name and Site Address

Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911

Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ NO ☒ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information

1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 160
Emergency Response Guide On-boa
Site arrival time _____
Site departure time 1150
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: EDDIE ANDERSON FOR ADAM HARRIS — Signature: Eddie Anderson — Month 9 Day 10 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bobby Jarrett — Signature: Bobby Jarrett — Month 9 Day 6 Year 21

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) — Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kalin Lewis — Signature — Month 9 Day 6 Year 21

COVANTA
Environmental Solutions

RD-40
TR-18

SO224182

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	CES 140413

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5076	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide On-boa
Site arrival time 2:20 PM
Site departure time 3:10 PM
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Penny Winston
Signature:
Month 9 Day 7 Year 21

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bill Johnston
Signature:
Month 9 Day 7 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Katrina Davis
Signature:
Month 9 Day 7 Year 21

COVANTA
Environmental Solutions

SO224210

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	CES 140415

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5725	G	PLACARD? None YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 80
Emergency Response Guide On-bo
Site arrival time _____
Site departure time _____
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Danny Wooten
Signature:
Month 9 Day 7 Year 21

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bobby Jarrett
Signature:
Month 9 Day 7 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: KalineDavis
Signature:
Month 9 Day 7 Year 21

COVANTA
Environmental Solutions

SO219083

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SHIPPER

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140418

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions — U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	01	TT	5125	G	PLACARD? None YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information

1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #34
Emergency Response Guide On-boa
Site arrival time 0650
Site departure time 0910
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Danny Wooten — Signature: [signature] — Month 09 Day 07 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jamie McNeill — Signature: [signature] — Month 09 Day 07 Year 21

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) — Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kaline Davis — Signature: [signature] — Month 9 Day 7 Year 21

COVANTA
Environmental Solutions

RD-40
TR-18

SO224186

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140412

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5076	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide 128
Site arrival time 11:30
Site departure time 1200
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Danny Wooten
Signature
Month 9 Day 7 Year 21

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bill Johnston
Signature
Month 9 Day 7 Year 21
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kaline Davis
Signature
Month 9 Day 7 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO224213

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCV5QG		(800) 814-1204	CES 140414

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

1130

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 620
Emergency Response Guide
Site arrival time
Site departure time
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: [illegible] Signature: [signature] Month 9 Day 7 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bobby Jarrett Signature: [signature] Month 9 Day 7 Year 21
Transporter 2 Printed/Typed Name: Signature: Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: KalineDavis Signature: [signature] Month 9 Day 7 Year 21

COVANTA
Environmental Solutions

RD-40
TR-18

SO224327

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140540

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	4800	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guidebook
Site arrival time 6:40
Site departure time 7:40
www.covanta.com

14. **SHIPPER'S CERTIFICATION:** I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Danny Wooten
Signature
Month 9 Day 8 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bill Johnston
Signature
Month 9 Day 8 Year 21
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kaline Davis
Signature
Month 9 Day 8 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO224333

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140576

SHIPPER

5. Shipper's Name and Mailing Address

Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078

Shipper's Phone:

Shipper's Site Address (if different than mailing address)

Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions — U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Consignee Name and Site Address

Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911

Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information

1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 60
Emergency Response Guide On-bo
Site arrival time _____
Site departure time _____
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Danny Wooten — Signature — Month 9 Day 8 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____

Transporter Signature (for exports only): Date leaving U.S.: _____

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bobby Jarrett — Signature — Month 9 Day 8 Year 21

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) — Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kaline Davis — Signature — Month 9 Day 8 Year 21

COVANTA
Environmental Solutions

RD-40
TR-18

SO224329

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	CES 140541

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name
Covanta Environmental Solutions
U.S. EPA ID Number
PAR000043026

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number
NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ NO None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guidebook
Site arrival time 11:30 AM
Site departure time 12:20 PM
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Tim Moyer/ T.L. Moyer for Adam Harris CPL	T.L. Moyer	9	8	21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

	Signature	Month	Day	Year
Transporter 1 Printed/Typed Name: Bill Johnston	Bill Johnston	9	8	21
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper) Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Kaline Davis		9	8	21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO221524

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140573

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	01	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information

1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 34
Emergency Response Guide On-boa
Site arrival time 0650
Site departure time 1055
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Danny Wooten
Signature: [signature]
Month 09 Day 08 Year 21

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jamie Mercille
Signature: Jamie Mercille
Month 09 Day 08 Year 21

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kalina Davis
Signature: [signature]
Month 9 Day 8 Year 21

SHIPPER | INT'L | TRANSPORTER | DESIGNATED CONSIGNEE

COVANTA
Environmental Solutions

SO224332

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140542

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 620
Emergency Response Guide On-boa
Site arrival time _____
Site departure time _____
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Danny Lebouton
Signature:
Month: 9 Day: 8 Year: 21

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bobby Jarrett
Signature:
Month: 9 Day: 8 Year: 21
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month: Day: Year:

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Katina Davis
Signature:
Month: 9 Day: 8 Year: 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SQ222137

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140563

5. Shipper's Name and Mailing Address

Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

Shipper's Phone:

Shipper's Site Address (if different than mailing address)

Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address

Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911

Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125 G		PLACARD? YES ☐ NO ☒ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information

1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #_____
Emergency Response Guide On-boa
Site arrival time _____
Site departure time _____
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Danny Wooten | Signature | Month 9 | Day 9 | Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bobby Jarrett | Signature | Month 9 | Day 9 | Year 21

Transporter 2 Printed/Typed Name: | Signature | Month | Day | Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) | Month | Day | Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Katina Davis | Signature | Month 9 | Day 9 | Year 21

COVANTA
Environmental Solutions

RD-40
SO224932 TR-18

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140565

SHIPPER

5. Shipper's Name and Mailing Address

Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)

Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address

Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information

1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide Appoa
Site arrival time 11:40 Am
Site departure time 12:00 Pm
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Danny Worden
Signature:
Month 9 Day 9 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bill Johnston
Signature:
Month 9 Day 9 Year 21

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:

Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kalin Davis
Signature:
Month 9 Day 9 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO224917

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140568

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	01	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 34
Emergency Response Guide On-bo
Site arrival time 0650
Site departure time 0910
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Danny Wooten
Signature: Danny Wooten
Month 09 Day 09 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jamie McNeil
Signature: Jamie McNeil
Month 09 Day 09 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kalin Davis
Signature:
Month 9 Day 9 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO224936

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140564

SHIPPER

5. Shipper's Name and Mailing Address

Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078

Shipper's Phone:

Shipper's Site Address (if different than mailing address)

Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions — U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Consignee Name and Site Address

Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911

Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ NO ☒ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information

1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 60
Emergency Response Guide On-boa
Site arrival time _____
Site departure time _____
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Danny Wooten — Signature — Month 9 Day 9 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bobby Jarrett — Signature — Month 9 Day 9 Year 21

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) — Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kaline Davis — Signature — Month 9 Day 9 Year 21

COVANTA
Environmental Solutions

RD-40
SO222134 TR-18

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	CES 140562

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide Onboa
Site arrival time 6:20 AM
Site departure time 8:00
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Danny Wooten
Signature:
Month 9 Day 9 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bill Johnston
Signature: Bill Johnston
Month 9 Day 9 Year 21

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kaline Davis
Signature:
Month 9 Day 9 Year 21

COVANTA
Environmental Solutions

RD-40
SO225236 TR-18

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140556

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5076	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #: TR-18
Emergency Response Guide 2a-boa
Site arrival time 6:20 AM
Site departure time 8:30 AM
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Amy Hooten
Signature:
Month 9 Day 10 Year 21

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bill Johnston
Signature: Bill Johnston
Month 9 Day 10 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kalin Lewis
Signature:
Month 9 Day 10 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO225239

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140578

SHIPPER

5. Shipper's Name and Mailing Address

Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

Shipper's Phone:

Shipper's Site Address (if different than mailing address)

Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions — U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Consignee Name and Site Address

Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911

Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	4900 ~~5225~~	G	PLACARD? YES ☐ NO ☒ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information

1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #_____
Emergency Response Guide On-boa
Site arrival time _____
Site departure time _____
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Danny Wooten — Signature — Month: 9 Day: 10 Year: 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bobby Jarrett — Signature — Month: 9 Day: 10 Year: 21

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) — Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kaline Davis — Signature — Month: 9 Day: 10 Year: 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO225246

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140582

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	01	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #34
Emergency Response Guide On-boa
Site arrival time 0930
Site departure time 1105
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Tony Wooten
Signature:
Month 09 Day 10 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jamie McNeill
Signature:
Month 09 Day 10 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Karine Davis
Signature:
Month 9 Day 10 Year 21

COVANTA
Environmental Solutions

RD-40
TR-18

SO225237

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140555

SHIPPER

5. Shipper's Name and Mailing Address

Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078

Shipper's Phone:

Shipper's Site Address (if different than mailing address)

Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions — U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Consignee Name and Site Address

Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911

Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5076	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information

1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide 2x-boa
Site arrival time 12:00 PM
Site departure time 12:30
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: I Anny Wooten — Signature: I Anny Wooten — Month 9 Day 10 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bill Johnston — Signature: Bill Johnston — Month 9 Day 10 Year 21

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) — Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kalinda Davis — Signature — Month 9 Day 10 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO225298

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140579

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 60
Emergency Response Guide On-boa
Site arrival time _____
Site departure time _____
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Danny Wooten
Signature: Danny Wooten
Month: 9 Day: 10 Year: 21

INT'L
15. International Shipments ☐ Import to U.S. ☑ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bobby Jarrett
Signature: Bobby Jarrett
Month: 9 Day: 10 Year: 21
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month: Day: Year:

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kaline Davis
Signature:
Month: 9 Day: 10 Year: 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO225315

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140604

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	01	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 34
Emergency Response Guide: On-boa
Site arrival time 0650
Site departure time 0835
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Desic Reapes
Signature:
Month 09 Day 11 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jamie Mowell
Signature:
Month 09 Day 11 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kaline Davis
Signature:
Month 9 Day 11 Year 21

COVANTA
Environmental Solutions

SO225309

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG	1	(800) 814-1204	CES 140602

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name
Covanta Environmental Solutions

U.S. EPA ID Number
PAR000043026

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:

U.S. EPA ID Number
NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? None YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR60
Emergency Response Guide On-boa
Site arrival time 700
Site departure time 905
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Desic Reaper — Signature — Month 9 Day 11 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: CORBY TUCKER — Signature — Month 9 Day 11 Year 21

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) — Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: KalineDavis — Signature — Month 9 Day 11 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO225304

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140605

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	01	TT	5125	G	PLACARD? YES ☐ None ☒
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 34
Emergency Response Guide On-boa
Site arrival time 1200
Site departure time 1235
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Desic Reapes		09	11	21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Jamie Maxwell	Jamie Maxwell	09	11	21
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper)		Month	Day	Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Kaline Davis		9	11	21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO225312

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG	1	(800) 814-1204	CES 140603

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5000 g		PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR60
Emergency Response Guide On-boa
Site arrival time 1250
Site departure time 120
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Deric Reaper
Signature:
Month 9 Day 11 Year 21

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: CORBY TUCKER
Signature:
Month 9 Day 11 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kaline Davis
Signature:
Month 9 Day 11 Year 21

COVANTA
Environmental Solutions

RD-40
TR-18

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO225318

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140625

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name
Covanta Environmental Solutions
U.S. EPA ID Number
PAR000043026

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number
NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5076	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information

1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide on-board
Site arrival time 6:20 AM
Site departure time 7:50 AM
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Tim Moyer Colonial Pipeline for Adam Harriss
Signature: T.L. Moy
Month 9 Day 12 Year 21

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bill Johnston
Signature: Bill Johnston
Month 9 Day 12 Year 21
Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kaline Davis
Signature: [signature]
Month 9 Day 12 Year 21

SHIPPER | INT'L | TRANSPORTER | DESIGNATED CONSIGNEE

COVANTA
Environmental Solutions

RD 42 TR 33

SO225306

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	CES 140606

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5,000	P	PLACARD? YES ☐ NO ☑ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #:_____
Emergency Response Guide On-boa
Site arrival time _____
Site departure time _____
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Tim Moyer Colonial Pipeline For Adam Harris	T.L. Moyer	09	12	21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Jose Henriquez	Jose Henriquez	9	12	21
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper)		Month	Day	Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Kaline Davis		9	12	21

COVANTA
Environmental Solutions

RD-40
TR-18

SO225322

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	CES 140622

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5076	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide No. bo
Site arrival time 11:10
Site departure time 11:40
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Tim Moyer Colonial Pipeline for Adam Harris
Signature: T.L. Moyer
Month 9 Day 12 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bill Johnston
Signature: Bill Johnston
Month 9 Day 12 Year 21

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kalina Davis
Signature:
Month 9 Day 12 Year 21

COVANTA
Environmental Solutions

RD 42
TR33

SO227108

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140624

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5,125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #_____
Emergency Response Guide On-bo
Site arrival time _____
Site departure time _____
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Tim Moyer Colonial Pipeline for Adam Harris
Signature: T. L. Moyer
Month: 9 Day: 12 Year: 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jose Henriquez
Signature:
Month: 9 Day: 12 Year: 21
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month: Day: Year:

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name:
Signature:
Month: 9 Day: 12 Year: 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO226032

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140614

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions — U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3. 38/60					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #_____
Emergency Response Guide On-bo
Site arrival time _____
Site departure time _____
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Curtis Gunter For Adam Harris — Signature — Month 9 Day 13 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bobby Jarrett — Signature — Month 9 Day 13 Year 21

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) — Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kalin Davis — Signature — Month 9 Day 13 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO226035

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140621

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	01	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Truck 39
Trailer # 34
Emergency Response Guide On-boa
Site arrival time 0645
Site departure time 0910
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Colonial Pipeline / Tim Moyer for Adam Harris
Signature: T. J. Moyer
Month 09 Day 13 Year 24

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Diane McNeill
Signature: Diane McNeill
Month 09 Day 13 Year 24

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kalene Davis
Signature:
Month 9 Day 13 Year 24

COVANTA
Environmental Solutions

SO226020

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140615

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3. 38/60					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 60
Emergency Response Guide On-boa
Site arrival time _____
Site departure time _____
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Colonial Pipeline/Tim Moyer For Adam Harris	T. L. Moye	9	13	21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Bobby Jarrett	Bobby Jarrett	9	13	21
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Kaline Davis		9	13	21

COVANTA
Environmental Solutions

RD-40
TR-18

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO227069

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140613

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5076	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information

1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide Ordered
Site arrival time 6:20 Am
Site departure time 8:10 Am
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Colonial Pipeline/Tim Moyer for Adam Harris
Signature: T.L Moyer
Month 9 Day 13 Year 21

INT'L

15. International Shipments ☑ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bill Johnston
Signature: Bill Johnston
Month 9 Day 13 Year 21

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kaline Davis
Signature: [signature]
Month 9 Day 13 Year 21

COVANTA
Environmental Solutions

RD-40
TR-18

SO226015

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140612

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5076	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide On-boa
Site arrival time 11:40 AS
Site departure time 12:30
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Colonial Pipeline Co./Tim Moyer for Adam Harris
Signature: J. L Moyer
Month 9 Day 13 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bill Johnston
Signature: Bill Johnston
Month 9 Day 13 Year 21

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: KaineDavis
Signature:
Month 9 Day 13 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO226036

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140623

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	01	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

RO 39
Trailer # 34
Emergency Response Guide On-boa
Site arrival time 1245
Site departure time 1415
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Colonial Pipeline Company/Kim Moyer for Adam Harris	T. J. May	09	13	21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Janie Moyer	Janie Moyer	09	13	21
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Katina Davis		9	13	21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO226040

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140720

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3. 38/60					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #_____
Emergency Response Guide On-bo
Site arrival time _____
Site departure time _____
www.covanta.com

14. **SHIPPER'S CERTIFICATION:** I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Colonial Pipeline Co./Kim Moyer for Adam Harris
Signature: K. L. Moyer
Month: 9 Day: 14 Year: 21

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bobby Jarrett
Signature: Bobby Jarrett
Month: 9 Day: 14 Year: 21
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month: Day: Year:

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kaline Davis
Signature:
Month: 9 Day: 14 Year: 21

COVANTA
Environmental Solutions

RD-40
TR-18

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO225296

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140580

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5076	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information

1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide Onboard
Site arrival time 6:30 Am
Site departure time 8:30 Am
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Colonial Pipeline Company/Tim Moyer for Adam Harris
Signature: T.L. Moy
Month 9 Day 14 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bill Johnston
Signature: Bill Johnston
Month 9 Day 14 Year 21

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kaline Davis
Signature: [signature]
Month 9 Day 14 Year 21

COVANTA
Environmental Solutions

RD-40
TR-18

SO226048

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	CES 140719

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5076	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide On-bo
Site arrival time 12:10 PM
Site departure time 12:40 PM
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Colonial Pipeline Company/Tim Mayer for Adam Harris	T. L. Mayer	9	14	21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
		9	14	21
Transporter 2 Printed/Typed Name: Bill Johnston	Signature: Bill Johnston			

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in item 17a

Printed/Typed Name	Signature	Month	Day	Year
Kaliya Davis		9	14	21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO226045

BILL OF LADING	1. Shipper ID Number: NCVSQG	2. Page 1 of	3. Emergency Response Phone: (800) 814-1204	4. Tracking Number: CES 140722

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	01	TT	5125	G	PLACARD? YES ☐ None ☒
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Truck #39
Trailer #34
Emergency Response Guide On-boa
Site arrival time 0650
Site departure time 0930
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Colonial Pipeline Company/Kim Moyer for Adam Harris
Signature: J.L Moyer
Month: 09 Day: 14 Year: 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jamie McNeill
Signature: Jamie McNeill
Month: Day: Year:

Transporter 2 Printed/Typed Name:
Signature:
Month: 09 Day: 14 Year: 21

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper)
Month: Day: Year:

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kaline Davis
Signature:
Month: 9 Day: 14 Year: 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO226041

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140721

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5725	G	PLACARD? YES ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3. 38/60					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #_____
Emergency Response Guide On-boa
Site arrival time _____
Site departure time _____
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Colonial Pipeline Co. Tim Moyer for Adam Harris
Signature: T. J. Moyer
Month 9 Day 14 Year 21

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bobby Jarrett
Signature: Bobby Jarrett
Month 9 Day 14 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Katine Davis
Signature:
Month 9 Day 14 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO226046

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140723

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	01	TT	4200 ~~5775~~	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Truck # 39
Trailer # 34
Emergency Response Guide On-bo
Site arrival time 1305
Site departure time 1400
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Colonial Pipeline Co. Tim Mayer for Adam Harris	J.L.May	09	14	21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Jamie Mowell	Jamie Mowell	09	14	21
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper) U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper) Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Katine Davis		9	14	21

COVANTA
Environmental Solutions

RD-40
SO226937 TR-18

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	CES 140729

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5076	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide On-bo
Site arrival time 6:20
Site departure time 8:30
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Danny Wooten
Signature:
Month 9 Day 15 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bill Johnston
Signature: Bill Johnston
Month 9 Day 15 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kaline Davis
Signature:
Month 9 Day 15 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO226941

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140731

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ None NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3. 38/60					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #:_____
Emergency Response Guide On-board
Site arrival time _____
Site departure time _____
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Danny Wooten
Signature:
Month: 9 Day: 15 Year: 21

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bobby Jarrett
Signature:
Month: 9 Day: 15 Year: 21
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month: Day: Year:

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kaine Davis
Signature:
Month: 9 Day: 15 Year: 21

COVANTA
Environmental Solutions

SO226960

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	CES 140763

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	01	TT	5125	6	PLACARD? YES ☐ None NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Truck # 39
Trailer # 34
Emergency Response Guide On-board
Site arrival time 0800
Site departure time 0935
www.covanta.com

SHIPPER

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Danny Wooten
Signature:
Month 09 Day 15 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jamie Maxwell
Signature:
Month 09 Day 15 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name:
Signature:
Month 9 Day 15 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO226938

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140730

SHIPPER

5. Shipper's Name and Mailing Address

Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)

Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address

Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ None NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3. 38/60					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information

1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #_____
Emergency Response Guide On-board
Site arrival time _____
Site departure time _____
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Tony Webster
Signature:
Month: 9 Day: 15 Year: 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bobby Jarrett
Signature: Bobby Jarrett
Month: 9 Day: 15 Year: 21

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper)
Month: Day: Year:

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kaline Davis
Signature:
Month: 9 Day: 15 Year: 21

COVANTA
Environmental Solutions

SO227413

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140769

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	01	TT	5125	G	PLACARD? None YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
Truck #39
1 5005955 Petroleum Contact Water CWT: N/A PO#:
Trailer # 34
Emergency Response Guide On-board
Site arrival time 0650
Site departure time 0840
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Randy Wooten
Signature:
Month 09 Day 17 Year 21

INT'L
15. International Shipments ☐ Import to U.S. ☑ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Annie McNeill
Signature:
Month 09 Day 17 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Katina Davis
Signature:
Month 9 Day 17 Year 21

COVANTA
Environmental Solutions

MA 50227420 ~~50227460~~

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140768

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	01	TT	5125	G	PLACARD? YES ☐ None NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Truck# 39
Trailer # 34
Emergency Response Guide On-board
Site arrival time 1220
Site departure time 1245
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Amy Wooten
Signature:
Month 09 Day 17 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☑ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Janie McNeil
Signature:
Month Day Year
Transporter 2 Printed/Typed Name:
Signature:
Month 09 Day 17 Year 21

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Katine Davis
Signature:
Month 9 Day 17 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO227418

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140767

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions — U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	4850	G	PLACARD? YES ☐ None NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3. 38/60					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #:_____
Emergency Response Guide On-board
Site arrival time_____
Site departure time_____
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Danny Wooten — Signature — Month 9 Day 17 Year 21

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bobby Jarrett — Signature — Month 9 Day 17 Year 21

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED CONSIGNEE
17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) — Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kaline Davis — Signature — Month 9 Day 17 Year 21

COVANTA
Environmental Solutions

SO227410

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140597

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions — U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ None NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3. 38/60					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #_____
Emergency Response Guide On-board
Site arrival time _____
Site departure time _____
www.covanta.com

14. **SHIPPER'S CERTIFICATION:** I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Danny Wooten — Signature — Month 9 Day 17 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bobby Jarrett — Signature — Month 9 Day 17 Year 21
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper) — Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kaline Davis — Signature — Month 9 Day 17 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO227431

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140772

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	01	TT	5725	G	PLACARD? YES ☐ None NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Truck # 39
Trailer # 34
Emergency Response Guide On-board
Site arrival time 1225
Site departure time 1335
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Deric Reaper
Signature: Deric Reaper
Month 09 Day 18 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jamie Harrell
Signature: Jamie Harrell
Month 09 Day 18 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Natina Davis
Signature:
Month 9 Day 18 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO227428

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140775

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions — U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	505	G	PLACARD? YES ☐ None ☐
	2.					PLACARD? YES ☐ NO ☐
	3. 38/60					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #_____
Emergency Response Guide On-board
Site arrival time _____
Site departure time _____
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Deric Reaper — Signature — Month 9 Day 18 Year 21

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bobby Jarrett — Signature — Month 9 Day 18 Year 21
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper) — Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Katina Davis — Signature — Month 9 Day 18 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO227433

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140770

5. Shipper's Name and Mailing Address

Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

Shipper's Phone:

Shipper's Site Address (if different than mailing address)

Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions — U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Consignee Name and Site Address

Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911

Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	01	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information

1 5005955 Petroleum Contact Water CWT: N/A PO#:

Truck# 39
Trailer # 34
Emergency Response Guide On-board
Site arrival time 0650
Site departure time 0900
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Deric Reaper — Signature — Month 09 Day 18 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jamie Maier — Signature — Month 09 Day 18 Year 21

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) — Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Katina Davis — Signature — Month 9 Day 18 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO227430

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140773

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions — U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3. 38/60					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #_____
Emergency Response Guide On-board
Site arrival time _____
Site departure time _____
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Deric Reaper — Signature — Month: 9 Day: 18 Year: 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bobby Jarrett — Signature — Month: 9 Day: 18 Year: 21

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) — Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kaline Davis — Signature — Month: 9 Day: 18 Year: 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO228764

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG	1	(800) 814-1204	CES 140778

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5124	G	PLACARD? YES ☐ NO None ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 34
Emergency Response Guide On-board
Site arrival time 12:10
Site departure time 12:40
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Deric Reaper
Signature:
Month 9 Day 19 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: James Rather
Signature:
Month 9 Day 19 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Katrina Davis
Signature:
Month 9 Day 19 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO227436

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG	1	(800) 814-1204	CES 140776

SHIPPER

5. Shipper's Name and Mailing Address

Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)

Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions — U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Consignee Name and Site Address

Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125g		PLACARD? YES ☐ NO None ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information

1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR60
Emergency Response Guide On-board
Site arrival time 130
Site departure time 150
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Deric Reaper — Signature — Month 9 Day 19 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: CORBY TUCKER — Signature — Month 9 Day 19 Year 21

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) — Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kaline Davis — Signature — Month 9 Day 19 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO227442

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG	1	(800) 814-1204	CES 140743

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125g		PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR60
Emergency Response Guide On-board
Site arrival time 650
Site departure time 935
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Deric Reaper
Signature:
Month 9 Day 19 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: CORBY TUCKER
Signature:
Month 9 Day 19 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Katina Davis
Signature:
Month 9 Day 19 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO228761

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140779

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5124	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 34
Emergency Response Guide On-boar
Site arrival time 6:30
Site departure time 8:40
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Deric Reaper
Signature:
Month 9 Day 19 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: James Rather
Signature:
Month 9 Day 19 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kaline Davis
Signature:
Month 9 Day 19 Year 21

COVANTA
Environmental Solutions

SO227872

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number: NCVSQG
2. Page 1 of
3. Emergency Response Phone: (800) 814-1204
4. Tracking Number: CES 140793

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	01	TT	5125	G	PLACARD? None YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 34
Emergency Response Guide On-board
Site arrival time 1300
Site departure time 1420
www.covanta.com
Truck # 39

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Curtis Gunter As Agent For Adam Harris
Signature: Curtis Gunter
Month 09 Day 20 Year 21

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jamie McNeill
Signature: Jamie McNeill
Month 09 Day 20 Year 21
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Katina Davis
Signature:
Month 9 Day 20 Year 21

COVANTA
Environmental Solutions

SO227867

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING	1. Shipper ID Number NCVSQG	2. Page 1 of	3. Emergency Response Phone (800) 814-1204	4. Tracking Number CES 140790

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? None YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3. 38/60					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #_____
Emergency Response Guide On-boar
Site arrival time_____
Site departure time_____
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Curtis Gaster AS Agent For Adam Harris
Signature: Curtis Gaster
Month 9 Day 20 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bobby Jarrett
Signature: Bobby Jarrett
Month 9 Day 20 Year 21

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Katina Davis
Signature:
Month 9 Day 20 Year 21

COVANTA
Environmental Solutions

SO227863 RD-40 TR-18

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCV5QG		(800) 814-1204	CES 140784

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions — U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1 TT	T	5076	G	PLACARD? YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # IB-18
Emergency Response Guide On-board
Site arrival time 12:30 AM
Site departure time 12:50 PM
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Curtis Gunter As Agent For Adam Harris — Signature: Curtis Gunter — Month 9 Day 20 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bill Johnston — Signature: Bill Johnston — Month 9 Day 20 Year 21

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) — Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Halina Davis — Signature — Month 9 Day 20 Year 21

COVANTA
Environmental Solutions

5O227870

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number: NCVSQG | 2. Page 1 of | 3. Emergency Response Phone: (800) 814-1204 | 4. Tracking Number: CES 140791

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

Shipper's Phone:

6. Transporter 1 Company Name: Covanta Environmental Solutions | U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name | U.S. EPA ID Number

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911

U.S. EPA ID Number: NCR000195384

Facility's Phone:

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	01	TT	5125	G	PLACARD? None YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Truck# 39

Trailer # 34
Emergency Response Guide On-boar
Site arrival time 0810
Site departure time 0905
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Curtis Gunther As Agent For Adams Harris | Signature | Month 09 Day 20 Year 21

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jamie Mclean | Signature | Month Day Year

Transporter 2 Printed/Typed Name | Signature | Month 09 Day 20 Year 21

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper) | U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) | Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: KalineDavis | Signature | Month 9 Day 20 Year 21

SHIPPER | INT'L | TRANSPORTER | DESIGNATED CONSIGNEE

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO227864

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140788

SHIPPER

5. Shipper's Name and Mailing Address

Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)

Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions — U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Consignee Name and Site Address

Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3. 38/60					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information

1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #_____
Emergency Response Guide On-b
Site arrival time _____
Site departure time _____
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Curtis Gunter AS Agent For Adam Harris — Signature: Curtis Gunter — Month: 9 Day: 20 Year: 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bobby Jarrett — Signature: Bobby Jarrett — Month: 9 Day: 20 Year: 21

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) — Month — Day — Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: KalineDavis — Signature — Month: 9 Day: 20 Year: 21

COVANTA
Environmental Solutions

RD-40
SO227726 TR-18

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	CES 140783

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

Shipper's Phone:

6. Transporter 1 Company Name: Covanta Environmental Solutions — U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911

U.S. EPA ID Number: NCR000135384

Facility's Phone:

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5076	G	PLACARD? None YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide On-bo
Site arrival time 6:30 AM
Site departure time 8:30 AM
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Curtis Gunter AS Agent For Adam Harris — Signature — Month 9 Day 20 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bill Johnston — Signature — Month 9 Day 20 Year 21

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) — Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Katine Davis — Signature — Month 9 Day 20 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO227956

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140808

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	01	TT	5775	G	PLACARD? YES ☐ None NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Truck #35
Trailer #34
Emergency Response Guide On-board
Site arrival time 0820
Site departure time 0900
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Curtis Gudger As Agent For Adam Harris
Signature: Curtis Gudger
Month 09 Day 21 Year 21

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jamie Mizell
Signature: Jamie Mizell
Month 09 Day 21 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Katina Davis
Signature:
Month 9 Day 21 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		SO227960 (800) 814-1204	CES 140805

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions — U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3. 38/60					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #:____
Emergency Response Guide On-board
Site arrival time 6:30A
Site departure time 8:30A
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Curtis Gunter AS AGENT For Adam Harris	Curtis Gunter	9	21	21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Bobby Jarrett	Bobby Jarrett	9	21	21
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper)		Month	Day	Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Katina Davis		9	21	21

COVANTA
Environmental Solutions

RD-40
TR-18

SO227964

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	CES 140807

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5076	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide On-board
Site arrival time 6:20A
Site departure time 8:00A
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Curtis Gunter AS Agent For Adam Harris
Signature: Curtis Gunter
Month 9 Day 21 Year 21

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bill Johnston
Signature: Bill Johnston
Month 9 Day 21 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Katina Davis
Signature:
Month 9 Day 21 Year 21

COVANTA
Environmental Solutions

RD-40
TR. 18

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO227962

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140806

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5076	G	PLACARD? YES ☐ None NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide On-board
Site arrival time 11:30 AM
Site departure time 12:30 PM
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Curtis Gunter As Agent For Adam Harris
Signature: Curtis Gunter
Month 9 Day 21 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bill Johnston
Signature: Bill Johnston
Month 9 Day 21 Year 21

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kaline Davis
Signature:
Month 9 Day 21 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO227958

BILL OF LADING | 1. Shipper ID Number: NCVSQG | 2. Page 1 of | 3. Emergency Response Phone: (800) 814-1204 | 4. Tracking Number: CES 140809

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5725	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3. 38/60					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #____
Emergency Response Guide On-boar
Site arrival time 12:30P
Site departure time 1:05P
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Curtis Gunter As Agent For Adam Harris
Signature: Curtis Gunter
Month: 9 Day: 21 Year: 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bobby Jarrett
Signature: Bobby Jarrett
Month: 9 Day: 21 Year: 21

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper)
Month: Day: Year:

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kaline Davis
Signature: Kaline Davis
Month: 9 Day: 21 Year: 21

COVANTA
Environmental Solutions

SO227972

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number: NCVSQG
2. Page 1 of
3. Emergency Response Phone: (800) 814-1204
4. Tracking Number: **CES 140811**

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	01	TT	5725	G	PLACARD? None YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Truck # 39
Trailer # 34
Emergency Response Guide On-board
Site arrival time 1250
Site departure time 1355
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Curtis Gunter AS Agent For Adam Harris
Signature: Curtis Gunter
Month 09 Day 21 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jamie Maseck
Signature: Jamie Maseck
Month 09 Day 21 Year 21

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kaline Davis
Signature:
Month 9 Day 21 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO227976

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140830

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3. 38/60					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 60
Emergency Response Guide On-boa
Site arrival time 6:40
Site departure time 7:20
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Curtis Gautier AS Agent For Adam Harris
Signature: Curtis Gautier
Month 9 Day 22 Year 21

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bobby Jarrett
Signature: Bobby Jarrett
Month 9 Day 22 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kelly Davis
Signature:
Month 9 Day 22 Year 21

COVANTA
Environmental Solutions

RD-40
SO227975 TR-18

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140826

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5076	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide On-boar
Site arrival time 10:30AM
Site departure time 11:50AM
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Curtis Gunter AS Agent For ADAM HARRIS
Signature: Curtis Gunter
Month 9 Day 22 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bill Johnston
Signature: Bill Johnston
Month 9 Day 22 Year 21

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kaline Davis
Signature:
Month 9 Day 22 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO227980

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140832

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions — U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	01	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Truck # 39
Trailer # 34
Emergency Response Guide On-board
Site arrival time 0805
Site departure time 0905
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Curtis Gunter As Agent For Adam Harris — Signature: Curtis Gunter — Month 09 Day 22 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jamie Mauer — Signature: Jamie Mauer — Month Day Year

Transporter 2 Printed/Typed Name — Signature — Month 09 Day 22 Year 21

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) — Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Melissa Davis — Signature — Month 9 Day 22 Year 21

COVANTA
Environmental Solutions

SO227988

RD-40
TR-18

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	CES 140831

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5076	G	PLACARD? None YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide On-board
Site arrival time 11:30 AM
Site departure time 12:00 AM
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Curtis Gunter AS Agent For Adam HARRIS
Signature: Curtis Gunter
Month 9 Day 22 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bill Johnston
Signature: Bill Johnston
Month 9 Day 22 Year 21

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kaline Davis
Signature:
Month 9 Day 22 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO227978

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140833

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions — U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3. 38/60					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information

1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 60
Emergency Response Guide On-boar
Site arrival time 12:20
Site departure time 12:42
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Curtis Gunter AS AGENT FOR ADAM HARRIS — Signature: Curtis Gunter — Month 9 Day 22 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bobby Jarrett — Signature: Bobby Jarrett — Month 9 Day 22 Year 21

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) — Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kaline Davis — Signature — Month 9 Day 22 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO228578

BILL OF LADING	1. Shipper ID Number: NCVSQG	2. Page 1 of	3. Emergency Response Phone: (800) 814-1204	4. Tracking Number: CES 140869

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5725	G	PLACARD? YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3. 38/60					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #_____
Emergency Response Guide On-board
Site arrival time _____
Site departure time _____
www.covanta.com

14. **SHIPPER'S CERTIFICATION:** I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Adam Davis
Signature:
Month: 9 Day: 24 Year: 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bobby Jarrett
Signature: Bobby Jarrett
Month: 9 Day: 24 Year: 21
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month: Day: Year:

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Adam Davis
Signature:
Month: 9 Day: 24 Year: 21

COVANTA
Environmental Solutions

RD-40
TR-18

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO228563

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140862

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5076	G	PLACARD? YES ☐ None ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #: TR-18
Emergency Response Guide On-board
Site arrival time 6:30 AM
Site departure time 8:00 AM
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Adam Harris
Signature:
Month 9 Day 24 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bill Johnston
Signature: Bill Johnston
Month 9 Day 24 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kaline Davis
Signature:
Month 9 Day 24 Year 21

COVANTA
Environmental Solutions

RD-40
TR-18
SO228519

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140867

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5076	G	PLACARD? YES ☐ None NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide On-boa
Site arrival time 12:20 PM
Site departure time 1250
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Adam Harris
Signature:
Month 9 Day 24 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bill Johnston
Signature:
Month 9 Day 24 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kaline Davis
Signature:
Month 9 Day 24 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO228576

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140868

SHIPPER

5. Shipper's Name and Mailing Address

Colonial Pipeline Company
14108 Huntersville-Concord Road
Shipper's Phone: Huntersvile North Carolina 28078

Shipper's Site Address (if different than mailing address)

Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions — U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Consignee Name and Site Address

Covanta Environmental Solutions LLC
2503 Fayetteville Street
Facility's Phone: Asheboro NC 27203 (336) 683-0911

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3. 38/60					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information

1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #_____
Emergency Response Guide On-boar
Site arrival time _____
Site departure time _____
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Deric Reaper — Signature — Month: 9 Day: 24 Year: 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bobby Sorrell — Signature — Month: 9 Day: 24 Year: 21

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) — Month — Day — Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kaline Davis — Signature — Month: 9 Day: 24 Year: 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO228595

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG	1	(800) 814-1204	CES 140881

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 60
Emergency Response Guide On-board
Site arrival time 6:30
Site departure time 8:00
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: John Harris
Signature:
Month 9 Day 25 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: James Prather
Signature:
Month 9 Day 25 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kaline Davis
Signature:
Month 9 Day 25 Year 21

COVANTA
Environmental Solutions

SO228597

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	CES 140883

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions — U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5000	G	PLACARD? None YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR33
Emergency Response Guide On-boar
Site arrival time _____
Site departure time _____
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Curtis Gunter As Agent For Adam Harris	Curtis Gunter	9	25	21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Tim Kalls	Tim Kalls	9	25	21
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper) — U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) — Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Kaline Davis	Kaline Davis	9	25	21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO228594

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG	1	(800) 814-1204	CES 140900

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name
Covanta Environmental Solutions
U.S. EPA ID Number
PAR000043026

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number
NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 60
Emergency Response Guide On-board
Site arrival time 11:40
Site departure time 12:05
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Curtis Gunter AS Agent For Adam Harris
Signature: Curtis Gunter
Month 9 Day 25 Year 21

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: James Prather
Signature:
Month 9 Day 25 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kalina Davis
Signature:
Month 9 Day 25 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO228596

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140880

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5000	G	PLACARD? YES ☐ None NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #: RA33
Emergency Response Guide On-board
Site arrival time _____
Site departure time _____
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Curtis Gunter As Agent for Addam Harris
Signature: Curtis Gunter
Month 9 Day 25 Year 21

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Tim Klaus
Signature: Tim Klaus
Month 9 Day 25 Year 21
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kaline Davis
Signature
Month 9 Day 25 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO230686

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140898

SHIPPER

5. Shipper's Name and Mailing Address

Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)

Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions — U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Consignee Name and Site Address

Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ NO None ☐
	2.					PLACARD? YES ☐ NO ☐
	3. 38/60					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information

1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 600
Emergency Response Guide On-boar
Site arrival time 1030
Site departure time 1240
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Curtis Gunter As Agent For Adam Harris — Signature: Curtis Gunter — Month 9 Day 24 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bobby Jarrett — Signature: Bobby Jarrett — Month 9 Day 24 Year 21

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) — Month — Day — Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Katina Davis — Signature — Month 9 Day 24 Year 2021

COVANTA
Environmental Solutions

RD-40

SO228745

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	CES 140899

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5076	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide On-boar
Site arrival time 6:20 AM
Site departure time 8:30
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Curtis Gunter AS Agent For Adam Harris
Signature: Curtis Gunter
Month 9 Day 26 Year 21

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bill Johnston
Signature: Bill Johnston
Month 9 Day 26 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kaline Davis
Signature:
Month 9 Day 26 Year 2021

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO228581

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140871

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5105	G	PLACARD? YES ☐ NO ☐ None
	2. 38/60					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 60
Emergency Response Guide On-boar
Site arrival time 11:30
Site departure time 12:00
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Curtis Gunter AS Agent For Adam Harris
Signature:
Month 9 Day 20 Year 21

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bobby Sorrett
Signature:
Month 9 Day 20 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kaline Davis
Signature:
Month 9 Day 21 Year 21

COVANTA
Environmental Solutions

RD-40
TR-18

SO228599

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	**CES** 140897

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5076	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide On-boar
Site arrival time 12:10 AM PM
Site departure time 1:00
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Curtis Gunter As Agent For Adam Harris
Signature: Curtis Gunter
Month 9 Day 26 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bill Johnston
Signature: Bill Johnston
Month 9 Day 26 Year 21

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Raline Davis
Signature:
Month 9 Day 26 Year 21

COVANTA
Environmental Solutions

RD-40
TR-18

SO229793

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	CES 140884

SHIPPER

5. Shipper's Name and Mailing Address

Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

Shipper's Phone:

Shipper's Site Address (if different than mailing address)

Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions — U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Consignee Name and Site Address

Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911

Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5076	G	PLACARD? YES ☐ None NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information

1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide On-boar
Site arrival time 10:30 AM
Site departure time 8:30 AM
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Deric Reaper — Signature — Month 9 Day 27 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bill Johnston — Signature — Month 9 Day 27 Year 21

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) — Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kalin Davis — Signature — Month 9 Day 27 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO229786

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140886

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3. 38/co					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # Co
Emergency Response Guide On-boar
Site arrival time Co 1:30
Site departure time 8:30
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Deric Reaper
Signature:
Month 9 Day 27 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bobby Jarrett
Signature:
Month 9 Day 27 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Katina Davis
Signature:
Month 9 Day 27 Year 21

COVANTA
Environmental Solutions

SO229791

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	CES 140888

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5,000	G	PLACARD? None YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #_____
Emergency Response Guide On-boa
Site arrival time _____
Site departure time _____
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Deric Reaper
Signature:
Month 9 Day 27 Year 21

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jose Hernandez
Signature:
Month 9 Day 27 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Katina Davis
Signature:
Month 9 Day 27 Year 21

COVANTA
Environmental Solutions

RD 42
TR 33

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SQ229790

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140890

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5,125	G	PLACARD? YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #:_____
Emergency Response Guide On-board
Site arrival time _____
Site departure time _____
www.covanta.com

14. **SHIPPER'S CERTIFICATION:** I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Deric Reapes
Signature
Month 9 Day 27 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jose Henriquez
Signature
Month 9 Day 27 Year 21
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kaline Davis
Signature
Month 9 Day 27 Year 21

COVANTA
Environmental Solutions

RD-40
SO229784 TR-18

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	CES 140887

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5076	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide On-board
Site arrival time 11:40 AM
Site departure time 12:10 PM
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Deric Reaper
Signature:
Month 9 Day 27 Year 21

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bill Johnston
Signature:
Month 9 Day 27 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kaline Davis
Signature:
Month 9 Day 27 Year 21

COVANTA
Environmental Solutions

SO229788

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	CES 140889

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name
Covanta Environmental Solutions
U.S. EPA ID Number
PAR000043026

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number
NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? None YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3. 38/600					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer #600
Emergency Response Guide On-board
Site arrival time 1220
Site departure time 1345
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Deric Reaper
Signature:
Month 9 Day 27 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bobby Jarrett
Signature:
Month 9 Day 27 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: KatineDavis
Signature:
Month 9 Day 27 Year 21

COVANTA
Environmental Solutions

SO229836

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	CES 139920

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	01	TT	5725	G	PLACARD? YES ☐ None NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Truck# 39
Trailer # 34
Emergency Response Guide On-board
Site arrival time 0808
Site departure time 0905
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Deric Reaper
Signature:
Month 09 Day 28 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Janet McNeill
Signature:
Month 09 Day 28 Year 21

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kaline Davis
Signature:
Month 9 Day 28 Year 21

COVANTA
Environmental Solutions

RD-40
TR-18

SO227034

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 139922

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions — U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5076	G	PLACARD? None YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information

1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide On-board
Site arrival time 6:30 AM
Site departure time 8:00 AM
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Deric Reaper — Signature — Month 9 Day 28 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bill Johnston — Signature: Bill Johnston — Month 9 Day 28 Year 21

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) — Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kaline Davis — Signature — Month 9 Day 28 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SQ228583

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 140870

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions — U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3. 38/60					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 60
Emergency Response Guide On-board
Site arrival time 6:30
Site departure time 8:35
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Deric Reaper — Signature — Month 9 Day 28 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bobby Jarrett — Signature — Month 9 Day 28 Year 21
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper) — Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kalina Davis — Signature — Month 9 Day 28 Year 21

COVANTA
Environmental Solutions

SO226966

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	CES 139924

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? None YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3. 38/60					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 60
Emergency Response Guide On-board
Site arrival time 12:20
Site departure time 12:45
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Deric Reaper		9	28	21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Bobby Jarratt		9	28	21
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) | Month | Day | Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Kalina Davis		9	28	21

COVANTA
Environmental Solutions

SO227027

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number: NCVSQG
2. Page 1 of
3. Emergency Response Phone: (800) 814-1204
4. Tracking Number: CES 139921

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersville North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	01	TT	5125	G	PLACARD? None YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Truck # 39
Trailer # 34
Emergency Response Guide On-board
Site arrival time 1245
Site departure time 1335
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Deric Reaper
Signature:
Month 09 Day 28 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jane McGee
Signature:
Month 09 Day 28 Year 21
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kaline Davis
Signature:
Month 9 Day 28 Year 21

COVANTA
Environmental Solutions

RD-40
TR-18

SO227029

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 139923

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? None YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide On-board
Site arrival time 11:30AM Avg
Site departure time 11:50
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Deric Reaper
Signature:
Month 9 Day 28 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bill Johnston
Signature: Bill Johnston
Month 9 Day 28 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: halineDavis
Signature:
Month 9 Day 28 Year 21

COVANTA
Environmental Solutions

RD-40
TR-18

SO229963

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	CES 139967

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5076	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide On-board
Site arrival time 6:30 AM
Site departure time 8:10 PM
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Deric Reaper
Signature: Deric Reaper
Month 9 Day 29 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bill Johnston
Signature: Bill Johnston
Month 9 Day 29 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Haline Davis
Signature:
Month 9 Day 29 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO229953

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	CES 139965

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name
Covanta Environmental Solutions
U.S. EPA ID Number
PAR000043026

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number
NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3. 38/60					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 60
Emergency Response Guide On-boa
Site arrival time 08:30
Site departure time 8:45
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Deric Reaper		9	29	21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Bobby Jarrett		9	29	21
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper)		Month	Day	Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Katina Davis		9	29	21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO229958

BILL OF LADING	1. Shipper ID Number: NCVSQG	2. Page 1 of	3. Emergency Response Phone: (800) 814-1204	4. Tracking Number: CES 139963

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	01	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Truck # 39
Trailer # 34
Emergency Response Guide On-boar
Site arrival time 0800
Site departure time 0910
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Deric Reaper
Signature:
Month 09 Day 29 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jamie Mercer
Signature:
Month 09 Day 29 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Katina Davis
Signature:
Month 9 Day 29 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO2299960

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 139962

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	01	TT	5725	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Truck# 39
Trailer # 34
Emergency Response Guide Onboar
Site arrival time 1055
Site departure time 1330
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Deric Reaper
Signature:
Month 09 Day 29 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jamie McLean
Signature:
Month 09 Day 29 Year 21
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kaline Davis
Signature:
Month 9 Day 29 Year 21

COVANTA
Environmental Solutions

RD-40
TR-18
SO229955

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	CES 139966

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	4700	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide On-boar
Site arrival time 11:30 AM
Site departure time 12:00 PM
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Deric Reaper
Signature
Month 9 Day 29 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only):
Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bill Johnston
Signature: Bill Johnston
Month 9 Day 29 Year 21
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kaline Davis
Signature
Month 9 Day 29 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO228796

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 139964

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5725	G	PLACARD? YES ☐ NO ☐ None
	2. 38/60					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 60
Emergency Response Guide Onboar
Site arrival time 12:20
Site departure time 12:40
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Deric Reaper
Signature
Month 9 Day 29 Year 21

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bobby Jarrett
Signature
Month 9 Day 29 Year 21
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kalin Davis
Signature
Month 9 Day 29 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO229975

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 139946

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	01	TT	5725	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Truck # 39
Trailer # 34
Emergency Response Guide On-boar
Site arrival time 1240
Site departure time 1320
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Deric Reaper | Signature | Month 09 | Day 30 | Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jamie Medlock | Signature | Month 09 | Day 30 | Year 21

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) | Month | Day | Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Sheryce Vaughan | Signature: Sheryce Vaughan | Month 9 | Day 30 | Year 21

COVANTA
Environmental Solutions

SO229971

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SHIPPER

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 139948

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:

U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	8125	G	PLACARD? None YES ☐ NO ☐
	2.					PLACARD? YES ☐ NO ☐
	3. 38/60					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 60
Emergency Response Guide On-boa
Site arrival time 12:15
Site departure time 12:40
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
		9	30	21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Bobby Jarrett	Bobby Jarrett	9	30	21
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Kaline Davis		9	30	21

COVANTA
Environmental Solutions

RD-40
TR-18

SO229966

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SHIPPER

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 139950

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions — U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5076	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information

1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide On-boa
Site arrival time 11:30 AM PM
Site departure time 12:00
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Deric Reaper — Signature: [signature] — Month 9 Day 30 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bill Johnston — Signature: Bill Johnston — Month 9 Day 30 Year 21

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper) — Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kalina Davis — Signature: [signature] — Month 9 Day 30 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

SO229973

BILL OF LADING	1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NCVSQG		(800) 814-1204	CES 139947

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	01	TT	5725 G		PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Truck # 35
Trailer # 34
Emergency Response Guide Onboa
Site arrival time 0800
Site departure time 0900
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Offeror's Printed/Typed Name: Deric Reaper
Signature: Deric Reaper
Month 09 Day 30 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jamie Monroe
Signature: Jamie Monroe
Month 09 Day 30 Year 21

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Bill of Lading Reference Number:

17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name: Kaline Davis
Signature:
Month 9 Day 30 Year 21

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING	1. Shipper ID Number: NCVSQG	2. Page 1 of	3. Emergency Response Phone: SO229970 (800) 814-1284	4. Tracking Number: CES 139949

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number:

7. Transporter 2 Company Name
U.S. EPA ID Number: PAR000043026

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5125	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3. 38/60					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # 60
Emergency Response Guide On-board
Site arrival time 0215
Site departure time 8:30
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Deric Reaper
Signature:
Month 9 Day 30 Year 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bobby Jarrett
Signature:
Month 9 Day 30 Year 21
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED CONSIGNEE

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: Kaline Davis
Signature:
Month 9 Day 30 Year 21

COVANTA
Environmental Solutions

RD-40
TR-18

SO229964

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
NCVSQG		(800) 814-1204	CES 139951

SHIPPER

5. Shipper's Name and Mailing Address
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Colonial Pipeline Company
14108 Huntersville-Concord Road
Huntersvile North Carolina 28078

6. Transporter 1 Company Name: Covanta Environmental Solutions
U.S. EPA ID Number: PAR000043026

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Consignee Name and Site Address
Covanta Environmental Solutions LLC
2503 Fayetteville Street
Asheboro NC 27203 (336) 683-0911
Facility's Phone:
U.S. EPA ID Number: NCR000135384

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. X NA1993, Combustible liquid, n.o.s., (Contains <10% Gasoline), Comb liq, III, ERG# 128	1	TT	5076	G	PLACARD? YES ☐ NO ☐ None
	2.					PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1 5005955 Petroleum Contact Water CWT: N/A PO#:

Trailer # TR-18
Emergency Response Guide Onboa
Site arrival time 6:30 AM
Site departure time 8:00
www.covanta.com

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Deric Reaper
Signature
Month 9 Day 30 Year 21

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only):
Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bill Johnston
Signature
Month 9 Day 30 Year 21
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED CONSIGNEE
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Bill of Lading Reference Number:
17b. Alternate Consignee (or Shipper)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Consignee (or Shipper)
Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a
Printed/Typed Name: KalineDavis
Signature
Month 9 Day 30 Year 21