Remedial Investigation Report
Southside Park Landfill NONCD0000807
Charlotte, Mecklenburg County, North Carolina
Task Order 807RI-2
S&ME Project No. 215952

PREPARED FOR:

North Carolina Department of Environmental Quality
Division of Waste Management – Special Remediation Branch
Pre-Regulatory Landfill Unit
1646 Mail Service Center
Raleigh, NC 27699-1646

PREPARED BY:

S&ME, Inc.
3201 Spring Forest Road
Raleigh, NC 27616

August 21, 2024

August 21, 2024

North Carolina Department of Environmental Quality
Division of Waste Management – Special Remediation Branch
Pre-Regulatory Landfill Unit
1646 Mail Service Center
Raleigh, NC 27699-1646

Attention: Mr. Sean Gallagher via email: sean.gallagher@deq.nc.gov
Hydrogeologist

Reference: **Remedial Investigation Report: Geophysical Survey and Soil Cover Evaluation**
Southside Park Landfill
2645 Toomey Ave., Charlotte, Mecklenburg County, North Carolina
NCDEQ ID No. NONCD0000807
NCDEQ Task Order 807RI-2
S&ME Project No. 215952

Dear Mr. Gallagher:

S&ME, Inc. (S&ME) is submitting this report to NCDEQ summarizing the results of the soil cover evaluation and geophysical survey remedial investigation activities conducted at the above-referenced site in Charlotte, North Carolina. S&ME completed this investigation in general conformance with S&ME Proposals No. 215952, dated November 17, 2023, between NCDEQ and S&ME. The attached report includes the results of the following tasks:

- Soil Cover Thickness Evaluation and Soil Sampling
- Background Soil Sampling
- Geophysical Survey Report

We appreciate the opportunity to provide environmental consulting services to NCDEQ. Please contact us if you have any questions about the information included in this report.

Sincerely,

S&ME, Inc.

Thomas P. Raymond, P.E.
Principal Engineer
traymond@smeinc.com

Connor Hicks, G.I.T.
Staff Scientist
connorhicks@smeinc.com

Copy: Gerald Paul, S&ME, Inc.

Attachment: *Remedial Investigation Report*

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Appendices

1.0 Summary of Current Investigation

S&ME completed the scope of services listed below for this investigation in general conformance with S&ME Proposal No. 215952, dated November 17, 2023, for Task Order 807RI-1:

- Evaluated thickness of soil cover via soil borings;
- Collected soil cover samples for analysis;
- Collected offsite soil samples for analysis;
- Completed a Geophysical Survey;
- Prepared this report.

S&ME's services were performed in general accordance with the North Carolina Department of Environmental Quality (NCDEQ), *Guidelines for Addressing Pre-Regulatory Landfills and Dumps* (March 2022) and S&ME's approved *Standard Operating Procedures and Quality Assurance (SOP/QA) Manual (July 2010)*, previously approved by NCDEQ.

2.0 Soil Cover Assessment

2.1 Soil Cover Thickness Evaluation

From December 11, 2023, through December 20, 2023, S&ME advanced 64 composite soil cover borings during the first sampling event (SC-1 through SC-64). A Site Map is shown as **Figure 1**. The composite soil cover boring locations are shown on **Figure 2.** Soil cover borings were installed using a stainless-steel six-inch electric power auger, which was decontaminated with liquinox and deionized water between each use. Borings were installed to approximately one foot below ground surface (bgs). Coordinates of the soil cover borings are included in **Appendix I**. Depth of waste and soil classifications are in the boring logs in **Appendix II**.

2.2 Soil Cover Thickness Results

Soil cover across the possible waste disposal area (WDA) at 57 of the 64 grids was at least 12 inches thick. Shallow waste was encountered in a portion of two soil composite grids (SC-2 and SC-14) at depths ranging from three inches to four inches bgs. Shallow waste was also encountered from near the ground surface up to the boring termination depth of 12 inches bgs in five soil composite grids (SC-57, SC-58, SC-59, SC-62 and SC-64); these five grids were not sampled during the December 2023 sampling event.

The soil cover material mostly consists of brown sandy silt. In several of the borings in soil composite grids without waste, some pieces of small, rounded glass were encountered within the sandy silt cover soil. The glass contained within the sandy silt cover soil does not appear to be landfill waste.

Waste encountered in soil composite grids SC-2, SC-14, SC-57, SC-58, SC-59, SC-62 and SC-64 is comprised of glass, metal fragments, ceramic material, plastic, wires, coal slag, asphalt, concrete and/or terra cotta material.

Boring logs for the composite grids can be found in **Appendix II** and soil cover thickness results from Southside Park Landfill are shown on **Figures 4 and 6.**

2.3 Soil Cover Sampling

The goal of this assessment was to evaluate existing soil cover conditions to identify potential risks associated with the current uses of the site. The soil cover evaluation is typically conducted later in the NCDEQ PRLF assessment process after the horizontal extent (footprint) of the WDA has been delineated. Soil cover samples were collected in a grid format and individual "BG" samples (e.g., BG-4-6") were also collected for potential use as representative background samples to support the soil cover evaluation. At this time, the WDA has not been delineated and it is unknown whether the individual "BG" samples were collected outside of the WDA footprint, and therefore, may not qualify as representative background samples. To accomplish the current goal of evaluating existing soil conditions, the individual "BG" samples were included in the soil cover evaluation because they were collected from the top 12-inches of the assessment area. The "BG" samples are referenced as individual soil samples or individual samples in this assessment and report.

Soil cover composite samples were collected from 59 of the 64 soil composite grids in December 2023. Waste was encountered in five soil composite grids (SC-57, SC-58, SC-59, SC-62 and SC-64); these grids were not sampled in December 2023. NCDEQ authorized additional sampling and the five soil composite grids not sampled in December 2023 (SC-57, SC-58, SC-59, SC-62 and SC-64) were sampled February 14, 2024. Within each composite grid, up to five soil borings were installed (center, north, south, east, and west), depending on total grid size and accessibility. S&ME collected one soil sample from within the top 12 inches of the soil cover.

In addition to the grid sampling process, individual "BG" samples were also collected in December 2023. Soil samples were collected from eight individual locations (BG-1 through BG-8). At each location a representative soil sample was collected from the 0- 6-inch depth (e.g., BG-4-6"), and from the 6-inch to 12-inch depth (e.g., BG4-12") below ground surface.

At each location, S&ME utilized a photo-ionization detector (PID) to field screen the soil cover samples for volatile organic compounds (VOCs). S&ME collected a total of 64 composite soil cover samples and 16 individual "BG" samples (plus one QC duplicate sample for the site and trip blanks for each day of sampling) and submitted them under standard chain-of-custody protocol to Enthalpy Analytical in Richmond Virginia. Samples were analyzed for VOCs by EPA Method 8260D, semi-organic compounds (SVOCs) by EPA Method 8270E, nitrate and sulfate by EPA Method 9056A, ammonia by EPA Method 350.1, hexavalent chromium by EPA Method 7471B and metals by EPA Method 6020B.

2.4 Soil Sample Results

Field Screened VOCs were measured from 0.0 parts per million to 19.2 parts per million.

The laboratory reported detections of multiple metals, inorganic and organic compounds in the soil cover samples:

- Lead was detected above the USEPA Residential Health-Based Regional Screening Level (RSL) of 200 milligrams per kilogram (mg/kg) in soil samples collected from grids SC-2, SC-3, SC-58 (duplicate sample), SC-59, SC-61, SC-62, SC-64 and soil sample BG-4-12".

- The NCDEQ Risk Calculator was used to assess risk for the soil cover. See **Section 4.0** for the Risk Calculator details.

A summary of the laboratory results is included as **Table 1.** Lead detections are shown on **Figure 5.** Grids and individual "BG" samples with exceedances of residential (unrestricted) use risk levels are shown on **Figure 7.**

The field notes are included in **Appendix II**. The laboratory reports and chain of custody forms are included in **Appendix V**.

3.0 Offsite Soil Assessment

3.1 Offsite Soil Sampling

On February 15, 2024, 24 soil samples were collected at Revolution Park (14 samples) and Clanton Park (10 samples). The locations of the parks are shown in **Figure 3** and the soil sample boring locations are shown on **Figures 3A** and **3B**. Sample locations were selected in areas that appeared to be in a natural setting.

Soil borings were installed using a stainless-steel six-inch electric auger, which was decontaminated with liquinox and deionized water between each use. Borings were installed to approximately one foot bgs. Soil samples were collected from approximately 6 to 12 inches below ground surface. S&ME collected a total of 24 soil samples (plus one QC duplicate sample for the site and trip blanks for each day of sampling) and submitted them under standard chain-of-custody protocol to Enthalpy Analytical in Richmond Virginia. Samples were analyzed for hexavalent chromium by EPA Method 7471B and metals by EPA Method 6020B.

3.2 Offsite Soil Sample Results

The sampled soil was primarily comprised of light brown sandy silt. Samples BG-101 and BG-102 were comprised of brown medium sand. The soil samples sandy silt matrix is similar to most of the Southside Park soil cover samples sandy silt matrix.

A summary of the offsite soil sample laboratory results is included as **Table 2**. Coordinates of the offsite soil borings are included in **Appendix I**. Soil classifications are in the boring logs in **Appendix II**. The laboratory reports and chain of custody forms are included in **Appendix V**.

4.0 Risk Calculator

S&ME used the February 2024 version of NCDEQ's Risk Calculator, downloaded from the NCDEQ website to quantify the risks that chemicals that potentially cause cancer (carcinogens) and noncarcinogens pose to park users. Carcinogenic and noncarcinogenic effects are evaluated separately as discussed below.

The risk characterization for carcinogens is expressed in terms of a probability that an individual will develop an excess cancer risk due to exposure to site-related contaminants. The cancer risk is summed across all carcinogenic chemicals and exposure routes (ingestion, dermal, and inhalation) to determine cumulative cancer risks.

The potential for noncancer effects is evaluated by comparing the estimated contaminant exposure[1] to a reference threshold. This threshold represents the exposure below which it is unlikely for sensitive populations to experience adverse health effects. The ratio of exposure to toxicity is referred to as a hazard quotient (HQ). The HQs are summed across all noncarcinogenic chemicals and exposure routes to determine cumulative hazard index (HI).

To consider the soil acceptable for the intended use, the cumulative cancer risk must be less than or equal to 1.0×10^{-4}, and the HI for noncarcinogenic chemicals must be less than or equal to 1.0. These thresholds are used by both the USEPA and the NCDEQ. If the HI is greater than 1.0, further evaluation was conducted to determine whether the individual HQs affect the same target tissue or organ system.

Consistent with the NCDEQ Inactive Hazardous Sites Branch (IHSB) sampling procedures for determining risks for residential (unrestricted) use, a sampling grid was used to divide the park into areas no larger than ¼ acre. A five-point composite sample was collected in each sampling grid to estimate the grid's average contaminant concentration. The individual "BG" soil samples were included in the soil cover risk evaluation process. Prior to calculating risks, the contaminant concentrations were screened as follows:

1. Detected contaminants were evaluated against the USEPA residential regional screening levels (RSLs) at an incremental cancer risk (ICR) = 1.0×10^{-6} and HI = 0.1 to identify chemicals of potential concern (COPCs). COPCs are the chemicals in an environmental medium that, based on concentration and toxicity, are most likely to contribute significantly to risks for exposures involving that medium. The following were excluded as COPCs due to low concentrations and/or low toxicity: acetone, 2-butanone, carbon disulfide, nitrate, sulfate, nickel, zinc, benzo(a)anthracene, benzo(k)fluoranthene, chrysene, 2,4-dinitroprophenol, bis(2-ethylhexyl)phthalate, di-n-octyl phthalate, 1,4-dioxane, fluoranthene, phenanthrene, and pyrene.

[1] For risk assessment purposes, a residential exposure scenario was used for this park. It was assumed people would live at the park for 350 days per year, 24 hours per day, for 26 years (6 years as a child and 20 years as an adult).

2. The soil sample grids and individual "BG" samples where lead was detected in soil cover samples above the RSL of 200 milligrams per kilogram (mg/kg) were not included for further risk evaluation, therefore, risks were not quantified for these grids. The sample grids and individual "BG" samples with lead above 200 mg/kg are: SC-2, SC-3, SC-58, SC-59, SC-61, SC-62, SC-64, and BG-4-12".

3. Where duplicate samples were collected, the original and duplicate sample results were combined. If, for a specific chemical, one sample was non-detect and the other a detection, the detected concentration was entered into the Risk Calculator. If a chemical was detected in both the original and duplicate sample and the relative percent difference (RPD) was below 50%, the average concentration was entered into the Risk Calculator. If the RPD was above 50%, the higher concentration was entered into the Risk Calculator.

    a. Risk Calculator Run 1: The vanadium highest concentration from grid sample SC-53 has a RPD less than 50% with the duplicate sample DUP-3; the average of SC-53 and DUP-3 was input into the Risk Calculator.

    b. Risk Calculator Run 1: The benzo(a)pyrene highest concentration from sample DUP-7 has an RPD above 50% with individual sample BG-2 6"; the highest concentration between DUP-7 and BG-2 6" was input into the Risk Calculator.

    c. Risk Calculator Run 1: The cadmium highest concentration from sample DUP-7 has a RPD under 50% with individual sample BG-2 6"; the average of DUP-7 and BG-2 6" was input into the Risk Calculator.

    d. Risk Calculator Run 3: The cobalt highest concentration from sample DUP-2 has a RDP above 50% with the sample from grid SC-15; the highest concentration between DUP-2 and grid sample SC-15 was input into the Risk Calculator.

    e. Risk Calculator Run 4: The cobalt highest concentration from sample DUP-1 has a RPD above 50% with the sample from grid SC-08; the highest concentration between DUP-1 and grid sample SC-08 was input into the Risk Calculator.

The initial risk calculation was conducted by entering the maximum concentration of all COPCs, regardless of location. The results show the cumulative ICR to be acceptable ($< 1.0 \times 10^{-4}$), however, the cumulative non-carcinogenic HI exceeded 1.0, with a cobalt HI of 3.8 (**Appendix III**). This indicates that at least one sampling grid or individual "BG" sample exceeds the acceptable noncarcinogenic risk, so an iterative truncation process was used to determine which sampling grid(s) or individual "BG" sample(s) exceeded. The truncation process consists of removing the sampling grid or individual "BG" sample responsible for contributing the highest individual risk, then recalculating the risk. This process is documented in **Appendix III** and resulted in removing grids and individual "BG" samples BG-8 6", SC-13, SC-15, SC-8, and SC-17, and SC-50 for potential remediation.

Following the removal of grid SC-50, risks were calculated for the remaining grids. No individual HIs exceeded 1.0, however, the cumulative HI was 2.9. A critical effects evaluation[2] (**Appendix IV**) shows all critical effects HIs were less than or equal to 1.0, indicating the risks for the remaining sample grids and individual "BG" samples do not exceed residential (unrestricted) use risk levels. **Figure 7** shows the samples with exceedances of residential (unrestricted) use risk levels.

5.0 Geophysical Survey

5.1 Description of Geophysical Surveying Methods

On December 15, 2023, S&ME completed an FDEM survey within the requested area to identify the extent of the existing landfill (**Figure 8**). The FDEM survey was limited to the County owned property and access in heavy overgrowth areas and steep slopes. A brief description of the geophysical technique is presented in the following paragraphs. The Geophysical Survey Report is included in **Appendix VI.**

5.2 Frequency Domain Electromagnetics (FDEM)

FDEM measures subsurface conductivity as lateral changes in conductivity of the subsurface typically indicate lateral changes in the subsurface materials (e.g., generally more conductive buried landfill material/debris compared to surrounding soils). FDEM measurements are collected by inducing (from a transmitter) a frequency-varying magnetic field and measuring (with a receiver) the amplitude and phase shift of an induced secondary magnetic field. The secondary magnetic field is created by subsurface conductive materials behaving as an inductor as the primary magnetic field passed through them. Both the conductivity and in-phase components of the electromagnetic field are recorded as a weighted average based on the dipole center distance (separation between the transmitter and receiver) and orientation (vertical versus horizontal) of the FDEM instrument. The "terrain" conductivity phase component, which is also referred to as the quadrature phase component, is measured in milliSiemens per meter (mS/m) and provides a measurement of conductivity. The in-phase mode, measured in parts per thousand (ppt), is responsive to metallic objects/materials.

We used a GF Instruments CMD Explorer electromagnetic conductivity meter in general accordance with ASTM D6639 "*Standard Guide for Using the Frequency Domain Electromagnetic Method for Subsurface Investigations.*" The CMD Explorer system utilizes three separate dipole center distances effectively providing three separate weighted bulk average exploration depths of 7, 14, and 22 feet in the vertical dipole mode. FDEM data profiles were generally acquired along perpendicular lines spaced approximately 100 feet or less between each transect using a sub-meter GPS as positioning support (Figure 2). Data path locations were generally based on access.

[2] The critical effect evaluation was conducted by a NCDEQ Toxicologist.

The CMD data transfer software was used to download and interpolate data, and Golden Software's Surfer® was used to grid and plot the data (Figures 3 through 14). Presenting multiple bulk average ranges for the FDEM data allows for an additional qualitative assessment associated with subsurface material contrasts at depth. The FDEM data has been presented in two plots (Plots A and B) to provide both opaque and semi-transparent overlays on aerial images, respectively. The semi-transparent view allows for spatial comparison between the FDEM data and site features present in the aerial.

5.3 Results

The following summarizes the results of the geophysical services:

- FDEM terrain conductivity responses for the 7-, 14-, and 22-feet weighted bulk average exploration depths generally range between about 0 and 100 mS/m (Figures 3 through 8), and the in-phase component of the FDEM data responses generally range between about -15 and 15 ppt (Figures 9 through 14).
- Based on experience, typical terrain conductivities of buried landfill waste materials are greater than about 20 mS/m, whereas typical background conductivity values are typically less than 20 mS/m. As such, it appears that lateral variations in subsurface materials consistent with possible buried waste materials can be identified in the conductivity data sets collected within the surveyed area. In addition, there may be two general waste areas (East and West) separated by a slight break as indicated by a change in conductivity within the overall interpreted limits.
- Approximate interpreted landfill extents within the surveyed areas are presented in the figures. The interpreted extents of possible landfill material were also provided separately at approximate 25-foot increments in a digital spreadsheet format.
- Several isolated areas/targets associated with buried metallic features (in-phase responses) that are unrelated to known surficial targets such as reinforced concrete, fences, benches, soccer goals, trash cans, etc. can also be identified in the FDEM data sets. Based on the limited number of in-phase responses identified within the interpreted waste limits, it appears that buried metal at this site is likely relatively small.

6.0 Quality Control

Quality control samples were collected and analyzed as follows:

Soil Sample Duplicates

- One duplicate sample was collected during each sample day. The duplicates sample were analyzed for the same parameters as the record samples. Analytical results of the duplicate samples were within acceptable relative percent differences with the record samples.

Trip Blanks

- One trip blank sample of laboratory provided Deionized Water was kept with the laboratory samples throughout the sampling event and analyzed for VOCs by 8260D. No analytes were reported above the laboratory's minimum detection limit.

The laboratory conducted USEPA quality assurance and quality control procedures and reporting as required for laboratory analysis according to USEPA Level II Protocols. Reported laboratory analytical data met data quality objectives.

7.0 Deviation From Work Plan

No deviations from the work plan were noted.

8.0 Sole Use Statement

This report is solely intended for use by NCDEQ for the services that were performed in accordance with S&ME Proposal No. 215952, dated November 17, 2023, for Task Order 807RI-2 as authorized by NCDEQ.

9.0 Certification Acknowledgement

"I certify that to the best of my knowledge, after thorough investigation, the information contained in or accompanying this certification is true, accurate, and complete."

Thomas P. Raymond / S&ME, Inc.
Name of Environmental Consultant / Company

Signature of Environmental Consultant

Date August 21, 2024

I, _____, a Notary Public of said County and State, do hereby certify that Thomas P. Raymond did personally appear and sign before me this day, produced proper identification in the form of NC DL, was duly sworn or affirmed, and declared that, he or she is the duly authorized environmental consultant referenced above and that, to the best of his or her knowledge and belief, after thorough investigation, the information contained in the above certification is true and accurate, and he or she then signed this Certification in my presence.

WITNESS my hand and official seal this 21 day of August 2024.

Wilma Craft
Notary Public (signature)

WILMA CRAFT
Notary Public, North Carolina
Wake County
My Commission Expires
March 12, 2028

My commission expires: March 12 2028

SITE MAP

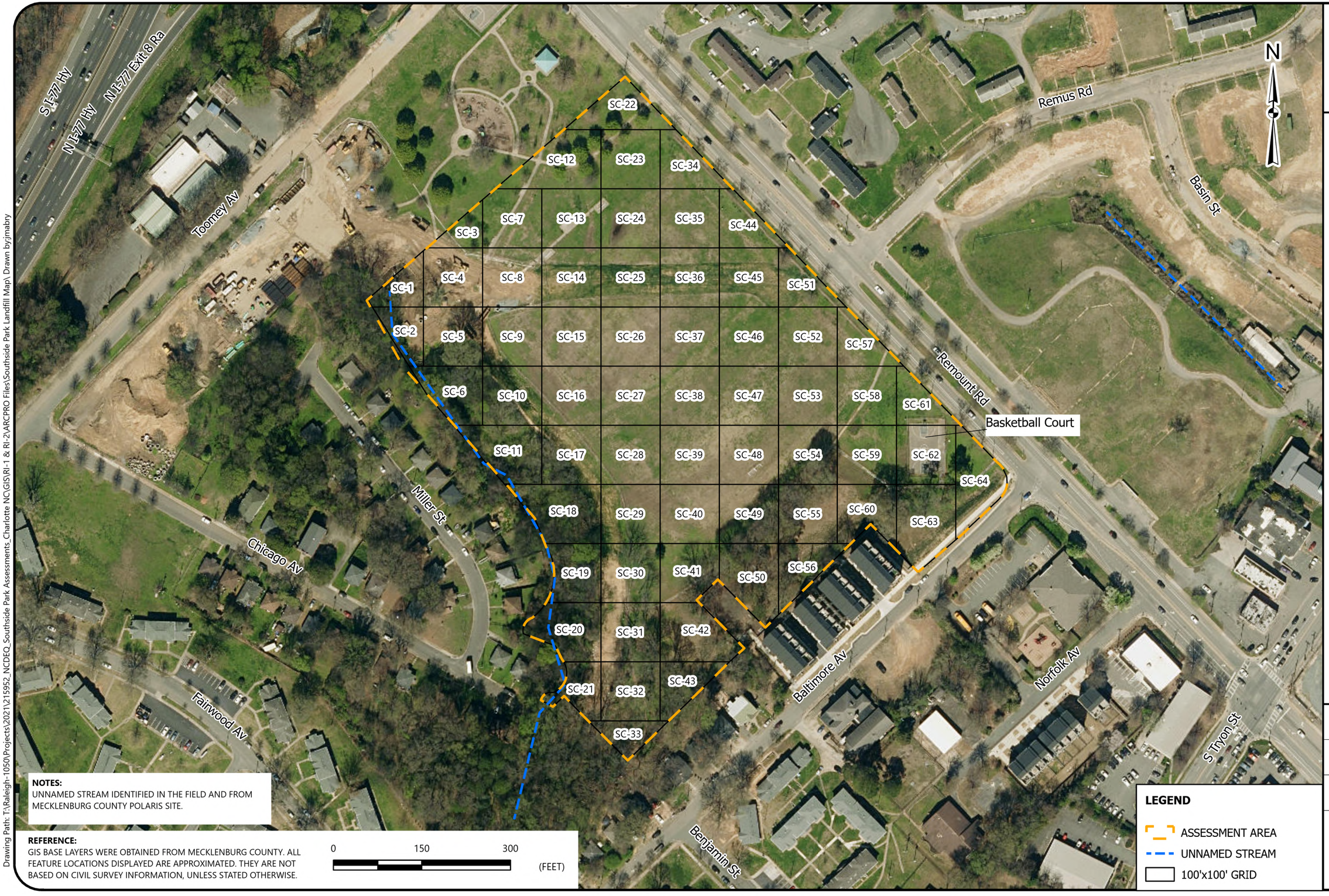
SOUTHSIDE PARK LANDFILL
NCDEQ ID NO. NONCD0000008078 TASK ORDER 807RI-2
TOOMEY AVE, CHARLOTTE, MECKLENBURG COUNTY, NORTH CAROLINA

SCALE:
1 in = 150 ft

DATE:
7/31/2024

PROJECT NUMBER
215952

FIGURE NO.
1



NOTES:
UNNAMED STREAM IDENTIFIED IN THE FIELD AND FROM MECKLENBURG COUNTY POLARIS SITE.

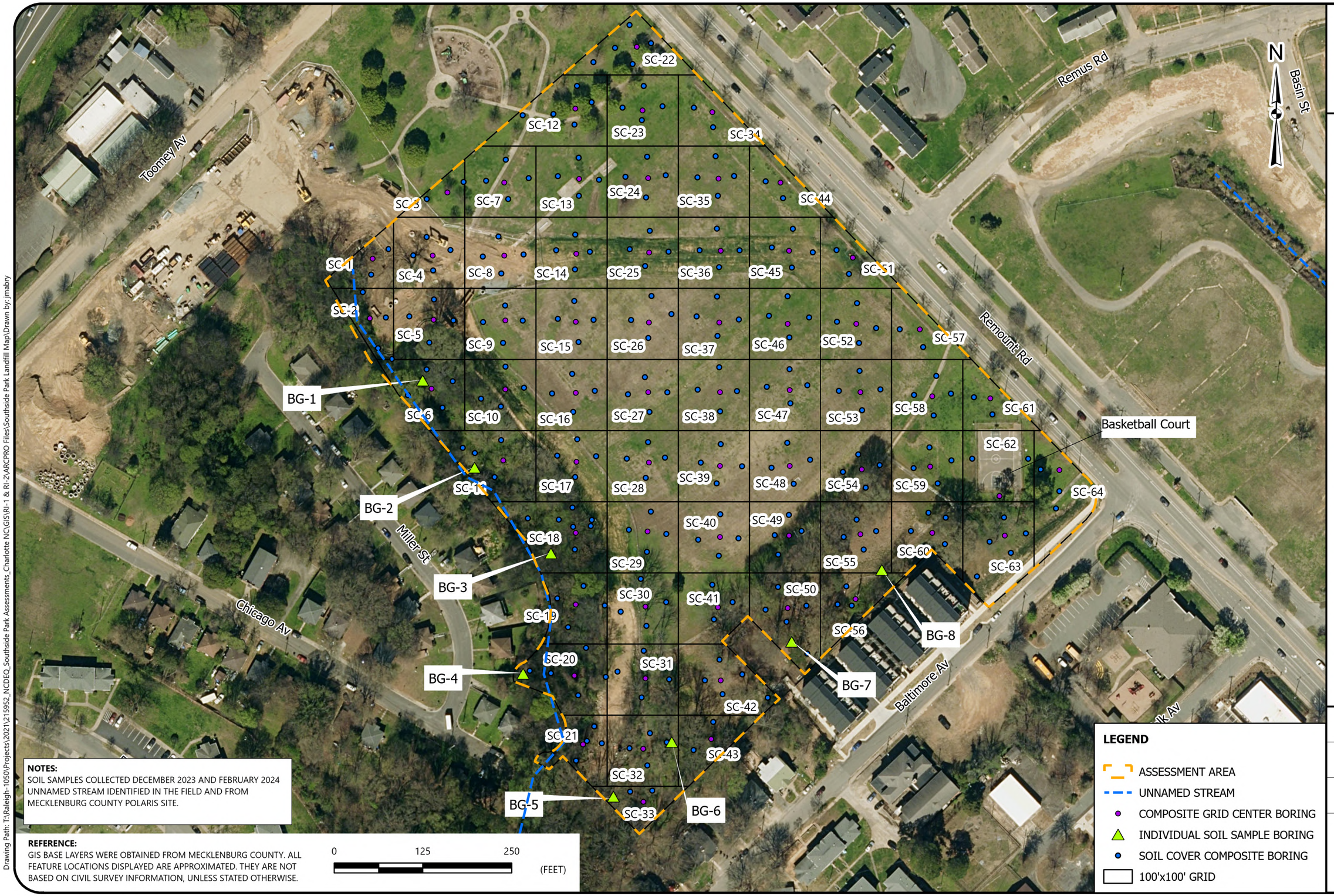
REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM MECKLENBURG COUNTY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

0 150 300 (FEET)

LEGEND

- ASSESSMENT AREA
- UNNAMED STREAM
- 100'x100' GRID

Drawing Path: T:\Raleigh-1050\Projects\2021\215952_NCDEQ_Southside Park Assessments_Charlotte NC\GIS\RI-1 & RI-2\ARCPRO Files\Southside Park Landfill Map\ Drawn by:jmabry



NOTES:
SOIL SAMPLES COLLECTED DECEMBER 2023 AND FEBRUARY 2024
UNNAMED STREAM IDENTIFIED IN THE FIELD AND FROM MECKLENBURG COUNTY POLARIS SITE.

REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM MECKLENBURG COUNTY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

LEGEND

- ASSESSMENT AREA
- UNNAMED STREAM
- COMPOSITE GRID CENTER BORING
- INDIVIDUAL SOIL SAMPLE BORING
- SOIL COVER COMPOSITE BORING
- 100'x100' GRID

SOIL COVER BORING LOCATIONS

SOUTHSIDE PARK LANDFILL
NCDEQ ID NO. NONCD0008078 TASK ORDER 807RI-2
TOOMEY AVE, CHARLOTTE, MECKLENBURG COUNTY, NORTH CAROLINA

SCALE: 1 in = 125 ft
DATE: 7/31/2024
PROJECT NUMBER: 215952
FIGURE NO.: 2

Drawing Path: T:\Raleigh-1050\Projects\2021\215952_NCDEQ_Southside Park Assessments_Charlotte NC\GIS\RI-1 & RI-2\ARCPRO Files\Southside Park Landfill Map\Drawn by: jmabry

OFFSITE SAMPLE LOCATIONS

SOUTHSIDE PARK LANDFILL
NCDEQ ID NO. NONCD0000807 - TASK ORDER 807RI-2
TOOMEY AVE, CHARLOTTE, MECKLENBURG COUNTY, NORTH CAROLINA

REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM World Imagery: NC CGIA, Maxar. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

LEGEND
PARK BOUNDARY

SCALE:
1 in =500 ft

DATE:
7/31/2024

PROJECT NUMBER
215952

FIGURE NO.
3

Drawing Path: T:\Raleigh-1050\Projects\2021\215952_NCDEQ_Southside Park Assessments_Charlotte NC\GIS\RI-1 & RI-2\ARCPRO Files\Southside Park Landfill Map\Drawn by: jmabry

REVOLUTION PARK SOIL SAMPLE LOCATIONS

SOUTHSIDE PARK LANDFILL
NCDEQ ID NO. NONCD0000807 - TASK ORDER 807RI-2
TOOMEY AVE, CHARLOTTE, MECKLENBURG COUNTY, NORTH CAROLINA

Fordham Rd
Osmond St
Barringer Dr
S I-77 Ra
N I-77 Ra
Kimberly Rd
West Bv
Spruce St
Merriman Av
Brentwood Pl
Barringer Dr
Revolution Park
S I-77 Hy
N I-77 Hy
W Tremont Av
Phillips Av
Remount Rd

BG-114
BG-113
BG-112
BG-111
BG-110
BG-109
BG-108
BG-107
BG-106
BG-105
BG-104
BG-103
BG-102
BG-101

N

0 200 400 (FEET)

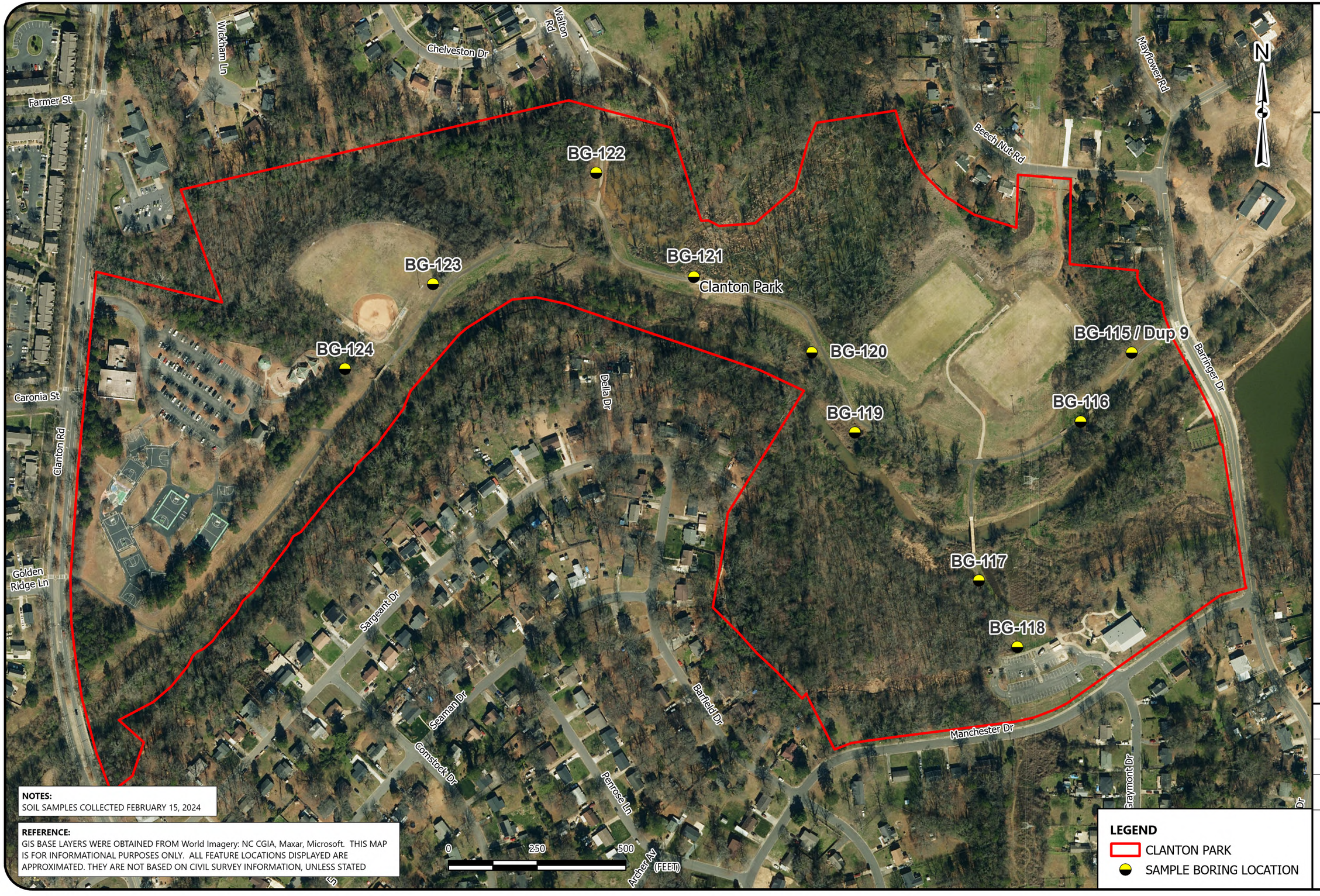
NOTES:
SOIL SAMPLES COLLECTED FEBRUARY 15, 2024

REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM World Imagery: NC CGIA, Maxar. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

LEGEND
- REVOLUTION PARK
- SAMPLE BORING LOCATION

SCALE: 1 in = 200 ft
DATE: 7/31/2024
PROJECT NUMBER: 215952
FIGURE NO.: **3A**

Drawing Path: T:\Raleigh-1050\Projects\2021\215952_NCDEQ_Southside Park Assessments_Charlotte NC\GIS\RI-1 & RI-2\ARCPRO Files\Southside Park Landfill Map\Southside Park LF 7-30-24 Update.aprxDrawn by:jmabry



NOTES:
SOIL SAMPLES COLLECTED FEBRUARY 15, 2024

REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM World Imagery: NC CGIA, Maxar, Microsoft. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED

LEGEND
- CLANTON PARK
- SAMPLE BORING LOCATION

CLANTON PARK SOIL SAMPLE LOCATIONS

SOUTHSIDE PARK LANDFILL
NCDEQ ID NO. NONCD0000807 - TASK ORDER 807RI-2
TOOMEY AVE, CHARLOTTE, MECKLENBURG COUNTY, NORTH CAROLINA

SCALE: 1 in =250 ft
DATE: 7/31/2024
PROJECT NUMBER 215952
FIGURE NO. **3B**

Drawing Path: T:\Raleigh-1050\Projects\2021\215952_NCDEQ_Southside Park Assessments_Charlotte NC\GIS\RI-1 & RI-2\ARCPRO Files\Southside Park Landfill Map\Southside Park LF 7-30-24 Update.aprx drawn by:jmabry

SOIL COVER THICKNESS RESULTS

SOUTHSIDE PARK LANDFILL
NCDEQ ID NO. NONCD0000807 - TASK ORDER 807RI-2
TOOMEY AVE, CHARLOTTE, MECKLENBURG COUNTY, NORTH CAROLINA

SCALE:
1 in =125 ft

Date:
7/31/2024

PROJECT NUMBER
215952

FIGURE NO.
4

N

Basin St

Remus Rd

Remount Rd

Toomey Av

Miller St

Chicago Av

Baltimore Av

Norfolk Av

Basketball Court

SC-1 SC-2 SC-3 SC-4 SC-5 SC-6 SC-7 SC-8 SC-9 SC-10 SC-11 SC-12 SC-13 SC-14 SC-15 SC-16 SC-17 SC-18 SC-19 SC-20 SC-21 SC-22 SC-23 SC-24 SC-25 SC-26 SC-27 SC-28 SC-29 SC-30 SC-31 SC-32 SC-33 SC-34 SC-35 SC-36 SC-37 SC-38 SC-39 SC-40 SC-41 SC-42 SC-43 SC-44 SC-45 SC-46 SC-47 SC-48 SC-49 SC-50 SC-51 SC-52 SC-53 SC-54 SC-55 SC-56 SC-57 SC-58 SC-59 SC-60 SC-61 SC-62 SC-63 SC-64

0 125 250
(FEET)

NOTES:
THICKNESS RESULTS FROM SOIL COVER SAMPLING CONDUCTED DECEMBER 20-21 2023. UNNAMED STREAM IDENTIFIED IN THE FIELD AND FROM MECKLENBURG COUNTY POLARIS SITE.

REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM MACKKCOGIS 2023. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

LEGEND
- ASSESSMENT AREA
- UNNAMED STREAM
- INSUFFICIENT SOIL COVER (LESS THAN 12-INCHES)

Drawing Path: T:\Raleigh-1050\Projects\2021\215952_NCDEQ_Southside Park Assessments_Charlotte NC\GIS\RI-1 & RI-2\ARCPRO Files\Southside Park Landfill Map\Southside Park LF 7-30-24 Update.aprxplotted by jmabry

SOIL COVER LEAD CONCENTRATIONS MAP

SOUTHSIDE PARK LANDFILL
NCDEQ ID NO. NONCD0000807 - TASK ORDER 807RI-2
TOOMEY AVE, CHARLOTTE, MECKLENBURG COUNTY, NORTH CAROLINA

N

SC-22 41
SC-12 31.2
SC-23 6.39
SC-34 13.6
SC-3 856
SC-7 84.8
SC-13 17.3
SC-24 17.9
SC-35 61
SC-44 40
SC-1 76
SC-4 29.2
SC-8, DUP-1 33.3, 128
SC-14 20.5
SC-25 4.95
SC-36 9.74
SC-45 26.9
SC-51 183
SC-2 443
SC-5 15.3
SC-9 12.5
SC-15, DUP-2 11.9, 8.21
SC-26 3.3
SC-37 10.7
SC-46 50.6
SC-52 7.48
SC-57 12.8
BG-1-6" 68.4
BG-1-12" 162
SC-6 124
SC-10 80.2
SC-16 7.82
SC-27 16.3
SC-38 20.8
SC-47 3.9
SC-53, DUP-3 3.78, 2.99
SC-58, DUP-8 70.4, 358
SC-61 541
Basketball Court
SC-11 76.3
SC-17 21.1
SC-28 43.9
SC-39, DUP-4 3.98, 3.05
SC-48 3.49
SC-54 90
SC-59 3450
SC-62 303
SC-64 78,800
BG-2-6" 81.3
BG-2-12" 74.3
SC-18 55.4
SC-29 61.1
SC-40 37.5
SC-49 48.6
SC-55 26
SC-60 91
SC-63 16.7
BG-3-6" 85
BG-3-12" 70
SC-60 91
BG-8-6" 47.6
BG-8-12" 36
SC-19 143
SC-30 99.2
SC-41 74.2
SC-50 75.1
SC-20, DUP-6 93.4, 45.1
BG-4-6" 38.2
BG-4-12" 203
SC-20, DUP-6 93.4, 45.1
SC-31 104
SC-42 119
BG-7-6" 118
BG-7-12" 37.5
SC-21 145
SC-32, DUP-5 50.9, 73.6
SC-43 19.9
BG-6-6" 107
BG-6-12" 52.2
SC-33 53.6
BG-5-6" 23.5
BG-5-12" 7.24

0 150 300 (FEET)

NOTES:
SOIL SAMPLES WERE COLLECTED DECEMBER 2023 AND FEBRUARY 2024
BOLD RED FONT = INDIVIDUAL SOIL SAMPLE CONCENTRATION EXCEEDS 200 MG/KG
LEAD CONCENTRATIONS SHOWN IN MG/KG = MILLIGRAMS PER KILOGRAM
UNNAMED STREAM IDENTIFIED IN THE FIELD AND FROM MECKLENBURG COUNTY POLARIS SITE.

REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM MACKKCOGIS 2023. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

LEGEND
- ASSESSMENT AREA
- INDIVIDUAL SOIL SAMPLE BORING
- LEAD CONCENTRATION DOES NOT EXCEED 200 MG/KG - COMPOSITE GRID SAMPLE
- LEAD CONCENTRATION EXCEEDS 200 MG/KG - COMPOSITE GRID SAMPLE
- UNNAMED STREAM

SCALE: 1 in =150 ft
Date: 7/31/2024
PROJECT NUMBER 215952
FIGURE NO. 5

Drawing Path: T:\Raleigh-1050\Projects\2021\215952_NCDEQ_Southside Park Assessments_Charlotte NC\GIS\RI-1 & RI-2\ARCPRO Files\Southside Park Landfill Map\Southside Park LF 7-30-24 Update.aprxplotted by jmabry

COMBINED LEAD EXCEEDANCES AND SOIL COVER THICKNESS

SOUTHSIDE PARK LANDFILL
NCDEQ ID NO. NONCD0000807 - TASK ORDER 807RI-2
TOOMEY AVE, CHARLOTTE, MECKLENBURG COUNTY, NORTH CAROLINA

SCALE:
1 in =125 ft

Date:
8/1/2024

PROJECT NUMBER
215952

FIGURE NO.
6

N

Toomey Av
Remus Rd
Basin St
Remount Rd
Basketball Court
Miller St
Chicago Av
Baltimore Av

SC-1 SC-2 SC-3 SC-4 SC-5 SC-6 SC-7 SC-8 SC-9 SC-10 SC-11 SC-12 SC-13 SC-14 SC-15 SC-16 SC-17 SC-18 SC-19 SC-20 SC-21 SC-22 SC-23 SC-24 SC-25 SC-26 SC-27 SC-28 SC-29 SC-30 SC-31 SC-32 SC-33 SC-34 SC-35 SC-36 SC-37 SC-38 SC-39 SC-40 SC-41 SC-42 SC-43 SC-44 SC-45 SC-46 SC-47 SC-48 SC-49 SC-50 SC-51 SC-52 SC-53 SC-54 SC-55 SC-56 SC-57 SC-58 SC-59 SC-60 SC-61 SC-62 SC-63 SC-64

BG-4-12"

0 125 250 (FEET)

NOTES:
SOIL SAMPLES WERE COLLECTED ON DECEMBER 2023 AND FEBRUARY 2024
LEAD CONCENTRATIONS SHOWN IN MG/KG = MILLIGRAMS PER KILOGRAM
UNNAMED STREAM IDENTIFIED IN THE FIELD AND FROM MECKLENBURG COUNTY POLARIS SITE.

REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM MACKKCOGIS 2023. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

LEGEND
- ASSESSMENT AREA
- INSUFFICIENT SOIL COVER (LESS THAN 12-INCHES)
- LEAD CONCENTRATION DOES NOT EXCEED 200 MG/KG - COMPOSITE GRID SAMPLE
- LEAD CONCENTRATION EXCEEDS 200 MG/KG - COMPOSITE GRID SAMPLE
- LEAD CONCENTRATION EXCEEDS 200 MG/KG - INDIVIDUAL SAMPLE
- UNNAMED STREAM

Drawing Path: T:\Raleigh-1050\Projects\2021\215952_NCDEQ_Southside Park Assessments_Charlotte NC\GIS\RI-1 & RI-2\ARCPRO Files\Southside Park Landfill Map\Southside Park LF 7-30-24 Update.aprxplotted by jmabry

SOIL COVER ASSESSMENT SUMMARY

SOUTHSIDE PARK LANDFILL
NCDEQ ID NO. NONCD0000807 - TASK ORDER 807RI-2
TOOMEY AVE, CHARLOTTE, MECKLENBURG COUNTY, NORTH CAROLINA

SCALE:
1 in =125 ft

Date:
8/1/2024

PROJECT NUMBER
215952

FIGURE NO.
7

N

N I-77 Hy
N I-77
Exit 8 Ra

Toomey Av

Remus Rd

Remount Rd

Basketball Court

Miller St

Chicago

Baltimore Av

BG-4-12"

BG-8-6"

SC-1 SC-2 SC-3 SC-4 SC-5 SC-6 SC-7 SC-8 SC-9 SC-10 SC-11 SC-12 SC-13 SC-14 SC-15 SC-16 SC-17 SC-18 SC-19 SC-20 SC-21 SC-22 SC-23 SC-24 SC-25 SC-26 SC-27 SC-28 SC-29 SC-30 SC-31 SC-32 SC-33 SC-34 SC-35 SC-36 SC-37 SC-38 SC-39 SC-40 SC-41 SC-42 SC-43 SC-44 SC-45 SC-46 SC-47 SC-48 SC-49 SC-50 SC-51 SC-52 SC-53 SC-54 SC-55 SC-56 SC-57 SC-58 SC-59 SC-60 SC-61 SC-62 SC-63 SC-64

0 125 250
(FEET)

NOTES:
A RESIDENTIAL RECEPTOR EXPOSURE SCENARIO WAS USED THAT ASSUMES PEOPLE WOULD LIVE AT THE PARK FOR 350 DAYS PER YEAR, 24 HOURS PER DAY, FOR 26 YEARS (6 YEARS AS A CHILD AND 20 YEARS AS AN ADULT).
RISK ASSESSMENT PROCEDURES ARE PROVIDED IN SECTION 4.0 AND RISK CALCULATOR OUTPUT SHEETS IN APPENDIX III.
BG-8-6" - INDIVIDUAL SOIL SAMPLE ID - COLLECTED FROM 0 TO 6-INCHES BELOW GROUND SURFACE
BG-4-12" – INDIVIDUAL SOIL SAMPLE ID - COLLECTED FROM 6 TO 12-INCHES BELOW GROUND SURFACE
MG/KG – MILLIGRAMS PER KILOGRAM
SOIL SAMPLES WERE COLLECTED DECEMBER 2023 AND FEBRUARY 2024
UNNAMED STREAM IDENTIFIED IN THE FIELD AND FROM MECKLENBURG COUNTY POLARIS SITE.

REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM MACKKCOGIS 2023. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

LEGEND
- ASSESSMENT AREA
- INSUFFICIENT SOIL COVER (LESS THAN 12-INCHES)
- LEAD CONCENTRATION EXCEEDS 200 MG/KG - COMPOSITE GRID SAMPLE
- LEAD CONCENTRATION EXCEEDS 200 MG/KG - INDIVIDUAL SAMPLE
- EXCEEDS RISK FOR RESIDENTIAL (UNRESTRICTED) USE - COMPOSITE GRID SAMPLE
- EXCEEDS RISK FOR RESIDENTIAL (UNRESTRICTED) USE - INDIVIDUAL SAMPLE
- UNNAMED STREAM

Drawing Path: T:\Raleigh-1050\Projects\2021\215952_NCDEQ_Southside Park Assessments_Charlotte NC\GIS\RI-1 & RI-2\ARCPRO Files\Southside Park Landfill Map\Southside Park LF 7-30-24 Update.aprxplotted by jmabry

GEOPHYSICAL SURVEY RESULTS MAP

SOUTHSIDE PARK LANDFILL
NCDEQ ID NO. NONCD0000807 - TASK ORDER 807RI-2
TOOMEY AVE, CHARLOTTE, MECKLENBURG COUNTY, NORTH CAROLINA

N

N I-77 HY
N I-77 Exit 8 Ra
Toomey Av
Remus Rd
Remount Rd
Miller St
Chicago Av
Baltimore Av

LEGEND

- ASSESSMENT AREA
- WEST INVESTIGATION AREA
- EAST INVESTIGATION AREA
- CULVERT
- MANHOLE
- DROP INLET
- STORM OUTFALL
- PROBABLE SEWER
- UNNAMED STREAM

NOTES:
GEOPHYSICAL INVESTIGATION LIMITED TO PROPERTY LINE.
UNNAMED STREAM IDENTIFIED IN THE FIELD AND FROM MECKLENBURG COUNTY POLARIS SITE

REFERENCE: 20123 AERIAL PHOTOGRAPH
GIS BASE LAYERS WERE OBTAINED FROM MECKLENBURG COUNTY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

0 125 250 (FEET)

SCALE: 1 in = 125 ft
DATE: 7/31/2024
PROJECT NUMBER: 215952
FIGURE NO.: 8

Drawing Path: T:\Raleigh-1050\Projects\2021\215952_NCDEQ_Southside Park Assessments_Charlotte NC\GIS\RI-1 & RI-2\ARCPRO Files\Southside Park Landfill Map\Southside Park LF 7-30-24 Update.aprx Drawn By: jmabry

TABLE 1
Soil Cover - Soil Sample Analytical Results Summary
Southside Park Landfill
NCDEQ ID No. NONCD0000807, Task 807RI-2

Analytical Method		VOCs Method 8260D (mg/kg)			Method 9056A (mg/kg)		Method 350.1 (mg/kg)	Method 7199 (mg/kg)	Method 7471B (mg/kg)	Metals by Method 6020B (mg/kg)																
Analyte		Acetone	2-Butanone (MEK)	Carbon Disulfide	Nitrate as N	Sulfate	Ammonia as N	Hexavalent Chromium	Mercury	Silver	Arsenic	Beryllium	Cadmium	Cobalt	Antimony	Selenium	Thallium	Barium	Chromium	Copper	Manganese	Nickel	Lead	Vanadium	Zinc
Sample ID	Date Collected																								
SC-1	12/20/2023	**0.0371**	<.00500	<.00500	<1.26	**13.3**	<11.9	**1.04**	**0.048**	**0.0993**	**2.84**	**0.651**	**0.882**	**22.9**	**0.276**	**2.94**	**0.14**	**147**	**67.7**	**68.7**	**615**	**27.7**	**76**	**113**	**133**
SC-2	12/20/2023	**0.282**	**0.00912**	**0.00667**	<1.29	**117**	<12.6	**2.17**	**0.306**	**2.7**	**4.86**	**0.545**	**1.63**	**15.6**	**1.66**	**2.89**	**0.127**	**174**	**83.3**	**107**	**602**	**25.8**	**443**	**78.2**	**409**
SC-3	12/11/2023	**0.0732**	<.00553	<.00553	2.22 J	**32.3**	<12.2	**1.14**	**0.504**	**0.69**	**5.68**	**0.628**	**1.33**	**20.2**	**1.64**	**2.16**	**0.10**	**391**	**60.9**	**206**	**586**	**31.5**	**856**	**126**	**487**
SC-4	12/11/2023	**0.0209**	<.00480	<.00480	<1.23	**322**	<12.1	**0.56**	**0.051**	**0.0504**	**2.24**	**0.569**	**0.107**	**17.9**	**0.0827**	**1.35**	**0.0805**	**1347**	**64.3**	**62.2**	**587**	**33.2**	**29.2**	**129**	**80.6**
SC-5	12/20/2023	**0.0349**	<.00558	<.00558	1.38 J	**120**	<12.0	**0.50**	**0.059**	**0.0389**	**2.98**	**0.913**	<.0594	**20.1**	**0.135**	**6.98**	**0.0812**	**155**	**71.3**	**85.9**	**835**	**27.1**	**15.3**	**133**	**78.4**
SC-6	12/20/2023	**0.0989**	<.00574	<.00547	1.68 J	**21.3**	<11.8	**0.32**	**0.064**	**0.118**	**5.7**	**0.621**	**0.316**	**17.8**	**0.509**	**3.62**	**0.122**	**137**	**115**	**61.8**	**590**	**14.7**	**124**	**106**	**141**
SC-7	12/11/2023	**0.115**	<.00542	<.00542	**4.76**	9.37 J	<11.6	**1.19**	**0.116**	**0.124**	**2.54**	**0.524**	**0.243**	**16.7**	**0.219**	**1.53**	**0.0756**	**136**	**44.4**	**85.4**	**512**	**24.1**	**84.8**	**97.3**	**132**
SC-8	12/11/2023	**0.0188**	<.00460	<.00460	**2.37**	**148**	<11.3	**0.48**	**0.06**	**0.124**	**2.17**	**0.464**	**0.173**	**11.9**	**0.11**	**1.91**	**0.0577**	**137**	**38.5**	**46.2**	**530**	**17.4**	**33.3**	**84.9**	**99.5**
SC-9	12/11/2023	**0.0254**	<.00518	<.00518	<1.20	11.9 J	<11.5	**0.66**	**0.049**	**0.0204**	**2.43**	**0.586**	<.0572	**13.1**	<.0572	**1.57**	**0.116**	**92**	**37.3**	**59.3**	**342**	**12.3**	**12.5**	**97**	**38.6**
SC-10	12/20/2023	**0.0356**	<.00474	<.00474	1.27 J	**202**	<11.8	**1.18**	**0.103**	**0.0856**	**3.21**	**0.499**	**0.451**	**12.1**	**0.326**	**2.61**	**0.131**	**79.3**	**53.6**	**47.1**	**328**	**15.5**	**80.2**	**75.4**	**100**
SC-11	12/20/2023	<.547	**0.00576**	<.00541	<1.19	**29.3**	<11.9	**0.83**	**0.179**	**0.601**	**2.56**	**0.434**	**0.53**	**13.4**	**0.288**	**2.29**	**0.107**	**117**	**49.8**	**64.5**	**558**	**15.2**	**76.3**	**70.6**	**137**
SC-12	12/12/2023	**0.0324**	<.00506	<.00506	**3.02**	10.4 J	<12.4	**0.56**	**0.096**	**0.0581**	**2.62**	**0.642**	**0.122**	**18.1**	**0.116**	**1.82**	**0.0787**	**124**	**47.3**	**62.5**	**505**	**19.6**	**31.2**	**107**	**90.6**
SC-13	12/12/2023	**0.246**	**0.0172**	<.00554	**4.94**	11.1 J	<11.4	**0.86**	**0.037**	**0.051**	**2.2**	**0.864**	**0.182**	**35.2**	**0.232**	**1.81**	**0.0727**	**194**	**53.8**	**59.3**	**896**	**31.3**	**17.3**	**116**	**147**
SC-14	12/12/2023	**0.298**	**0.0171**	<.00633	<1.21	**187**	<11.5	**0.53**	**0.129**	**0.0477**	**1.88**	**0.406**	**0.184**	**9.53**	**0.0729**	**2.12**	<.0598	**116**	**32.1**	**33**	**544**	**13.7**	**20.5**	**52.5**	**83.4**
SC-15	12/12/2023	**0.0329**	<.00535	<.00535	<1.16	4.28 J	<11.0	**0.32**	<0.009	**0.0333**	**1.62**	**0.525**	**0.0701**	**14.4**	<.0576	**1.42**	**0.095**	**119**	**35.8**	**36.8**	**477**	**15.7**	**11.9**	**60.6**	**48.7**
SC-16	12/20/2023	**0.065**	<.00510	<.00510	1.44 J	4.74 J	<11.8	**0.73**	**0.042**	**0.0268**	**1.7**	**0.7**	**0.129**	**23.6**	<.0551	**2.1**	**0.146**	**214**	**76.7**	**67.3**	**1040**	**16.5**	**7.82**	**101**	**75.2**
SC-17	12/20/2023	**0.0501**	<.00496	<.00496	<1.22	**26.3**	<11.8	**1.05**	**0.124**	**0.0526**	**1.81**	**0.593**	**0.163**	**27.2**	**0.0818**	**2.62**	**0.0762**	**113**	**115**	**123**	**532**	**47.6**	**21.1**	**128**	**88.2**
SC-18	12/20/2023	**0.232**	**0.0108**	<.00582	2.12 J	4.59 J	<11.9	**0.87**	**0.174**	**0.0618**	**3.28**	**0.482**	**0.177**	**12.1**	**0.103**	**3.34**	**0.122**	**77**	**47**	**36.6**	**491**	**43**	**55.4**	**81.1**	**68.1**
SC-19	12/20/2023	**0.207**	**0.0146**	<.00529	<1.23	**33.6**	<12.0	**1.19**	**0.094**	**0.0748**	**3.34**	**0.463**	**0.223**	**17.6**	**0.417**	**1.87**	**0.101**	**104**	**61.3**	**97.2**	**512**	**13.8**	**143**	**99.9**	**128**
SC-20	12/20/2023	**0.252**	**0.0234**	<.00499	**2.66**	**32.4**	<11.4	**0.99**	**0.167**	**0.209**	**2.51**	**0.474**	**0.294**	**13.4**	**0.559**	**2.33**	**0.0906**	**77.6**	**48.3**	**46.8**	**506**	**20.3**	**93.4**	**84.2**	**177**
SC-21	12/20/2023	**0.232**	**0.0128**	<.00508	2.60 J	**107**	<12.4	**1.17**	**0.253**	**0.317**	**3.37**	**1.03**	**0.451**	**23.4**	**0.428**	**6.83**	**0.118**	**213**	**72.8**	**104**	**538**	**13.2**	**145**	**128**	**209**
SC-22	12/12/2023	**0.0934**	**0.00723**	<.00545	1.39 J	7.56 J	<12.1	**1.21**	**0.113**	**0.0737**	**1.8**	**0.486**	**0.177**	**14.9**	**0.164**	**1.57**	**0.0592**	**110**	**55.7**	**55.3**	**366**	**44.4**	**41**	**77.6**	**93.4**
SC-23	12/11/2023	**0.0623**	**0.00621**	<.00532	**3.13**	**13.4**	<12.3	**0.64**	**0.024**	**0.0129**	**1.88**	**0.623**	<.0609	**15.6**	<.0609	**1.91**	**0.0825**	**101**	**33.3**	**35.5**	**302**	**25**	**6.39**	**73.5**	**44.7**
SC-24	12/12/2023	**0.156**	**0.0105**	<.00517	**2.91**	**76.8**	<11.7	**0.57**	**0.084**	**0.0941**	**2.26**	**0.461**	**0.0762**	**10.6**	**0.0735**	**1.23**	**0.092**	**70**	**29.4**	**34.9**	**289**	**13.3**	**17.9**	**67.1**	**67.4**
SC-25	12/12/2023	<.0132	**0.00919**	<.00660	<1.18	7.09 J	**19.2**	**0.35**	<0.009	**0.0193**	**1.45**	**0.609**	**0.0699**	**15**	<.0570	**1.24**	**0.0986**	**161**	**47.2**	**40.3**	**562**	**9.79**	**4.95**	**67.2**	**54.9**
SC-26	12/13/2023	**0.0735**	**0.00617**	<.00555	<1.18	4.17 J	<11.7	**0.38**	<0.009	**0.0159**	**1.37**	**0.721**	**0.0894**	**13.6**	<.0586	**1.15**	**0.0958**	**156**	**36.9**	**40.3**	**483**	**20**	**3.3**	**70.8**	**47.3**
SC-27	12/19/2023	<.0095	**0.00496**	<.00475	<1.17	10.3 J	<11.3	**0.56**	**0.026**	**0.0569**	**2.07**	**0.52**	**0.149**	**10.1**	<.0565	**2.19**	**0.103**	**127**	**29.8**	**37.2**	**302**	**14.7**	**16.3**	**59.4**	**82.2**
SC-28	12/19/2023	<.00934	<.00467	<.00467	**2.74**	**16.6**	<11.7	**0.63**	**0.048**	**0.0322**	**2.22**	**0.557**	**0.0713**	**15.4**	<.0559	**2.92**	**0.121**	**123**	**42.9**	**63.1**	**369**	**18.8**	**43.9**	**85.9**	**53.2**
SC-29	12/19/2023	**0.13**	<.00576	<.00576	1.42 J	**15.0**	<12.1	**1.41**	**0.107**	**0.133**	**2.5**	**0.493**	**0.329**	**13.3**	**0.102**	**2.13**	**0.106**	**85.9**	**44.7**	**155**	**404**	**12.1**	**61.1**	**108**	**111**
SC-30	12/19/2023	**0.0844**	<.00614	<.00614	**4.41**	**20.2**	<11.3	**0.74**	**0.733**	**0.205**	**3.16**	**0.422**	**0.28**	**16.5**	**0.193**	**2.34**	**0.0969**	**95.4**	**66.1**	**84.5**	**453**	**25.4**	**99.2**	**77.6**	**117**
SC-31	12/19/2023	**0.0393**	<.00505	<.00505	1.67 J	**26.4**	<12.1	**0.87**	**0.138**	**0.135**	**2.36**	**0.432**	**0.198**	**14.6**	**0.358**	**2.55**	**0.104**	**116**	**50.4**	**52.1**	**472**	**22.4**	**104**	**65.3**	**120**
SC-32	12/19/2023	**0.0577**	<.00501	<.00501	1.24 J	6.43 J	<12.0	**0.64**	**0.031**	**0.0235**	**1.66**	**0.479**	**0.0957**	**20.6**	**0.207**	**2.5**	**0.0942**	**153**	**62.2**	**59**	**549**	**38**	**50.9**	**83.9**	**97.1**
SC-33	12/19/2023	**0.0411**	<.00502	<.00502	**3.19**	7.86 J	<11.7	**1.04**	**0.025**	**0.0287**	**2.57**	**0.473**	**0.114**	**17.7**	**0.273**	**2.16**	**0.12**	**122**	**55.6**	**49**	**555**	**28.6**	**53.6**	**71.3**	**88.4**
SC-34	12/12/2023	**0.197**	**0.0162**	<.00582	1.61 J	**37.3**	<11.1	**0.99**	**0.131**	**0.0185**	**2.4**	**0.685**	<.0568	**12.6**	**0.0603**	**2.13**	**0.153**	**95**	**35.4**	**72.3**	**377**	**10.7**	**13.6**	**103**	**29**
SC-35	12/12/2023	**0.0359**	<.00510	<.00510	2.12 J	11.3 J	<11.5	**2.36**	**0.038**	**0.136**	**3.35**	**0.734**	**0.216**	**12.4**	**0.277**	**1.47**	**0.134**	**121**	**118**	**70.8**	**402**	**18**	**61**	**109**	**107**
SC-36	12/13/2023	<.0106	<.00531	<.00531	<1.17	**41.8**	<11.6	**0.63**	**0.020**	**0.0289**	**2.05**	**0.776**	**0.0961**	**14.1**	<.0570	**1.56**	**0.114**	**168**	**35.7**	**42**	**575**	**18.3**	**9.74**	**73.8**	**61.1**
SC-37	12/13/2023	<.0108	**0.00717**	<.00541	2.06 J	6.86 J	<12.1	**0.43**	**0.016**	**0.0448**	**2.05**	**0.776**	**0.0782**	**14**	<.0569	**1.29**	**0.124**	**179**	**35.8**	**50.8**	**417**	**18.9**	**10.7**	**89.6**	**64.2**
SC-38	12/14/2023	**0.108**	<.00537	<.00537	<1.17	4.12 J	<11.6	**0.33**	**0.043**	**0.0451**	**2.19**	**0.528**	**0.122**	**13.6**	**0.0847**	**1.27**	**0.129**	**140**	**28.4**	**41.8**	**476**	**19.9**	**20.8**	**66.9**	**64.9**
SC-39	12/14/2023	**0.121**	<.00488	<.00488	<1.19	**3.65**	<11.6	<0.24	<0.009	**0.0157**	**1.49**	**0.611**	<.0549	**12.8**	<.0549	**1.31**	**0.116**	**148**	**26.4**	**36.2**	**430**	**15.2**	**3.98**	**64.1**	**47.1**
SC-40	12/11/2023	**0.107**	**0.00743**	<.00526	<1.22	**14.2**	<12.1	**0.87**	**0.086**	**0.0424**	**3.01**	**0.527**	**0.11**	**11.4**	<.0567	**2.98**	**0.166**	**96.7**	**38.6**	**75.5**	**318**	**12.5**	**37.5**	**103**	**55.8**
SC-41	12/19/2023	**0.211**	**0.00921**	<.00511	1.67 J	**13.1**	<11.5	**1.12**	**0.140**	**0.137**	**3.05**	**0.507**	**0.285**	**16.4**	**0.0978**	**2.97**	**0.0885**	**124**	**46.2**	**73.6**	**569**	**19.3**	**74.2**	**89.2**	**141**
SC-42	12/19/2023	**0.0577**	<.00530	<.00530	<1.23	8.93 J	**14.7**	**0.92**	**0.052**	**0.125**	**1.73**	**0.368**	**0.528**	**14.1**	**0.27**	**2.67**	**0.0849**	**123**	**54**	**55.9**	**442**	**20**	**119**	**68**	**200**
SC-43	12/19/2023	**0.0454**	<.00538	<.00538	**5.41**	8.16 J	<12.4	<0.25	**0.026**	**0.0193**	**1.55**	**0.371**	**0.115**	**21**	**0.121**	**3.5**	<.0622	**94.7**	**11.5**	**44.9**	**376**	**6.29**	**19.9**	**71.7**	**73**
SC-44	12/12/2023	**0.105**	<.00625	<.00625	**3.80**	**39.7**	<11.6	**0.93**	**0.166**	**0.036**	**3.03**	**0.694**	**0.321**	**12.4**	**0.102**	**2.28**	**0.0919**	**96.6**	**85.4**	**49.4**	**415**	**14.9**	**40**	**98.3**	**71.4**
SC-45	12/13/2023	<.012	<.00599	<.00599	<1.19	**39.6**	<11.6	**0.58**	**0.037**	**0.0663**	**3.4**	**0.623**	**0.0911**	**11.6**	**0.132**	**2.11**	**0.103**	**134**	**31.8**	**45.2**	**500**	**13.1**	**26.9**	**80.4**	**59.9**
SC-46	12/13/2023	**0.0484**	<.00488	<.00488	1.58 J	6.56 J	<11.0	**0.45**	**0.058**	**0.0889**	**5.03**	**0.577**	**0.106**	**13.7**	**0.317**	**1.48**	**0.10**	**154**	**30.3**	**51.7**	**505**	**16.9**	**50.6**	**71.9**	**78.1**
SC-47	12/14/2023	**0.0524**	<.00455	<.00455	<1.15	4.54 J	<11.4	<0.23	<0.009	**0.00948**	**1.41**	**0.715**	<.0562	**10**	<.0562	**1.38**	**0.101**	**160**	**28.4**	**28**	**302**	**13.9**	**3.9**	**61.9**	**41.2**
SC-48	12/14/2023	<.0107	<.00537	<.00537	<1.16	<2.91	<10.9	<0.23	<0.009	**0.0198**	**1.65**	**0.713**	**0.0587**	**16.7**	<.0579	**1.84**	**0.106**	**226**	**28.7**	**72.3**	**489**	**19.8**	**3.49**	**115**	**60.3**
SC-49	12/14/2023	**0.138**	<.00480	<.00480	1.23 J	**16.3**	<11.5	**0.35**	**0.053**	**0.0885**	**2.8**	**0.643**	**0.129**	**19.5**	**0.151**	**1.72**	**0.115**	**94.7**	**58.1**	**65.2**	**637**	**17.4**	**48.6**	**103**	**79.4**
SC-50	12/14/2023	**0.301**	**0.0151**	<.00529	<1.20	10.3 J	<11.7	**0.42**	**0.055**	**0.0349**	**2.36**	**0.476**	**0.0566**	**26.6**	**0.58**	**1.16**	**0.122**	**66.6**	**62.5**	**36.1**	**1110**	**12.8**	**75.1**	**91.2**	**64.5**
SC-51	12/13/2023	**0.0411**	<.00480	<.00480	<1.18	**74.1**	<11.2	**0.55**	**0.152**	**0.22**	**17.3**	**0.637**	**0.235**	**17.4**	**3.46**	**1.85**	**0.128**	**148**	**35.5**	**112**	**913**	**11.8**	**183**	**94.6**	**110**
SC-52	12/13/2023	**0.057**	<.00512	<.00512	<1.21	10.5 J	<11.8	**0.59**	**0.029**	**0.0194**	**1.64**	**0.496**	<.0579	**10.8**	<.0579	**1.31**	**0.115**	**117**	**30.8**	**33**	**360**	**13.1**	**7.48**	**62.7**	**44.8**
SC-53	12/13/2023	**0.0487**	<.00565	<.00565	<1.20	4.34 J	<11.9	<0.24	<0.009	**0.0164**	**1.52**	**0.783**	**0.0586**	**14.7**	<.0553	**1.47**	**0.0943**	**240**	**31.3**	**79.9**	**474**	**19.4**	**3.78**	**140**	**68.7**
SC-54	12/14/2023	**0.205**	**0.0127**	<.00651	**3.10**	11.3 J	<11.9	**0.86**	**0.118**	**0.124**	**2.57**	**0.573**	**0.368**	**14.7**	**0.198**	**1.57**	**0.0924**	**97.4**	**43**	**65.1**	**485**	**17.4**	**90**	**92.9**	**121**
SC-55	12/14/2023	**0.0939**	<.00523	<.00523	<1.17	<2.92	<11.5	**0.37**	**0.013**	**0.0255**	**2.54**	**0.37**	<.0542	**5.19**	**0.336**	**0.731**	**0.0699**	**34.1**	**24.2**	**11.7**	**220**	**5.79**	**26**	**33**	**32.9**
SC-56	12/14/2023	**0.257**	**0.011**	<.00609	<1.25	8.07 J	<11.7	**0.49**	**0.048**	**0.0213**	**2.98**	**0.552**	**0.114**	**19.4**	**0.236**	**1.9**	**0.0793**	**88.7**	**112**	**60.1**	**484**	**38.9**	**40.1**	**120**	**74.6**
SC-57	2/15/2024	**0.0517**	<.00455	<.00455	**4.06**	**43.5**	<13	**0.72**	**0.061**	**0.0142**	**2.21**	**0.488**	<.0622	**12.7**	<.0622	**1.45**	**0.0722**	**53.6**	**49.6**	**40.9**	**371**	**11.6**	**12.8**	**132**	**37**
SC-58	2/15/2024	**0.0716**	<.00454	<.00454	**4.64**	9.32 J	<12.2	**0.74**	**1.95**	**0.0324**	**3.32**	**0.571**	**0.144**	**19.7**	**0.277**	**1.63**	**0.131**	**126**	**42**	**49.6**	**602**	**23.6**	**70.4**	**92.1**	**92.9**
SC-59	2/15/2024	**0.0422**	<.00438	<.00438	**3.79**	**200**	<12.1	**1.47**	**3.53**	**0.408**	**76**	**0.442**	**0.551**	**9.97**	**5.19**	**10.4**	**0.4**	**115**	**42.2**	**141**	**362**	**14.9**	**3450**	**93.9**	**171**
SC-60	12/14/2023	**0.374**	**0.0191**	<.00560	<1.21	9.71 J	<11.7	**0.71**	**0.061**	**0.0285**	**2.05**	**0.501**	**0.219**	**10.8**	**0.307**	**1.52**	**0.0792**	**64.4**	**36.6**	**60.7**	**382**	**12.7**	**91**	**73.9**	**98.7**
SC-61	12/13/2023	**0.147**	**0.00915**	<.00648	<1.18	<2.94	<11.7	**0.24**	**0.718**	**0.155**	**36.8**	**0.403**	**0.276**	**10.9**	**1.15**	**6.03**	**0.116**	**129**	**24.3**	**53.9**	**412**	**12.5**	**541**	**66.3**	**165**
SC-62	2/15/2024	<.0107	<.00537	<.00537	1.33 J	**35.1**	<12.5	**0.63**	**0.186**	**0.255**	**8.19**	**0.93**	**0.945**	**18.5**	**1.63**	**2.48**	**0.18**	**294**	**54.4**	**96.6**	**488**	**27.3**	**303**	**104**	**1040**
SC-63	12/14/2023	**0.231**	**0.00996**	<.00510	<1.22	**22.4**	<11.7	**0.71**	**0.162**	**0.015**	**1.82**	**0.422**	<.0578	**10.2**	**0.115**	**1.17**	**0.0931**	**89.5**	**38.9**	**35.2**	**334**	**14.5**	**16.7**	**58.7**	**60.9**
SC-64	2/15/2024	**0.042**	<.0444	<.0444	**3.37**	**77.8**	<12.5	**2.66**	**16.7**	**1.43**	**115**	**0.758**	**1.24**	**8.26**	**14.4**	**16.7**	**0.513**	**125**	**44.9**	**182**	**295**	**17.3**	**78800**	**70**	**610**
BG-1-6"	12/21/2023	**0.0833**	**0.00531**	<.00528	<1.21	**17.6**	<12	**0.87**	**0.43**	**0.0885**	**4.76**	**0.589**	**0.207**	**15.9**	**0.187**	**2.54**	**0.118**	**102**	**34.9**	**71.4**	**518**	**11.9**	**68.4**	**93.1**	**103**
BG-1-12"	12/21/2023	**0.11**	**0.00763**	<.00568	<1.20	**69.2**	<11.7	**0.74**	**0.069**	**0.158**	**3.7**	**0.723**	**0.457**	**16.6**	**0.198**	**3.05**	**0.108**	**137**	**43.9**	**66.3**	**439**	**14.3**	**162**	**119**	**129**
BG-2-6"	12/21/2023	**0.107**	<.00595	<.00595	1.48 J	<3.05	<12.1	<0.24	**0.045**	**1.01**	**2.48**	**0.352**	**0.722**	**11.7**	**0.397**	**1.75**	<.0568	**124**	**37**	**40.2**	**619**	**18.3**	**81.3**	**51.2**	**184**
BG-2-12"	12/21/2023	**0.275**	**0.0143**	**0.0113**	1.4 J	<2.93	<11.5	**1.24**	**0.029**	**0.899**	**2.52**	**0.325**	**0.755**	**9.92**	**0.308**	**1.73**	<.0569	**239**	**41.9**	**36.6**	**478**	**15.2**	**74.3**	**51**	**185**
BG-3-6"	12/21/2023	**0.182**	**0.0137**	<.00695	<1.34	<3.35	<13.2	**0.99**	**0.156**	**0.111**	**3.11**	**0.616**	**0.277**	**15.2**	**0.211**	**2.52**	**0.0867**	**102**	**76.8**	**54.8**	**387**	**25.4**	**85**	**99.7**	**103**
BG-3-12"	12/21/2023	**0.0709**	<.00623	<.00623	<1.30	**8.32**	<12.9	**1.56**	**0.204**	**0.0889**	**2.92**	**0.801**	**0.175**	**18.7**	**0.115**	**2.84**	**0.0795**	**156**	**110**	**67.8**	**388**	**40.3**	**70**	**137**	**92.1**
BG-4-6"	12/21/2023	**0.123**	**0.00682**	<.00678	1.47 J	**43**	<12.5	**0.38**	**0.074**	**0.0395**	**2.3**	**0.658**	**0.265**	**10.9**	**0.0833**	**1.77**	**0.0815**	**76.9**	**64.4**	**59.8**	**535**	**14**	**38.2**	**131**	**77**
BG-4-12"	12/21/2023	**0.035**	<.00519	<.00519	<1.23	**38.9**	<11.6	**0.81**	**0.05**	**0.14**	**2.82**	**0.587**	**0.48**	**17.5**	**0.355**	**2.36**	**0.104**	**145**	**63.7**	**95.7**	**500**	**21.7**	**203**	**107**	**131**
BG-5-6"	12/21/2023	**0.0271**	<.00570	<.00570	<1.21	**7.77**	<11.9	<0.24	**0.025**	**0.0145**	**1.28**	**0.266**	<.0568	**7.58**	**0.197**	**2**	<.0568	<56.8	**21.6**	**11.2**	**204**	**6.1**	**23.5**	**32.3**	**29.6**
BG-5-12"	12/21/2023	**0.0172**	<.00689	<.00689	**2.44**	**10.8**	<11.5	**0.79**	**0.011**	**0.0121**	**1.32**	**0.425**	<.0553	**8.24**	<.0553	**3.88**	<.0553	**110**	**21**	**27.6**	**201**	**8.32**	**7.24**	**81.9**	**49.7**
BG-6-6"	12/21/2023	**0.0929**	<.00698	<.00698	<1.23	**4.06**	<11.9	**0.27**	**0.037**	**0.0196**	**1.38**	**0.383**	<.0606	**12.5**	**0.525**	**2.1**	<.0606	**103**	**29.3**	**30.6**	**414**	**10.8**	**107**	**70.4**	**78**
BG-6-12"	12/21/2023	**0.064**	<.00525	<.00525	<1.17	**5.4**	<11.2	**0.77**	**0.018**	**0.0214**	**1.53**	**0.393**	**0.098**	**12.6**	**0.271**	**1.99**	<.0544	**119**	**41.3**	**43.4**	**437**	**13.7**	**52.2**	**86.1**	**88.9**
BG-7-6"	12/21/2023	**0.144**	<.00700	<.00700	<1.22	**4.79**	<12.1	<0.24	**0.058**	**0.0383**	**2.86**	**0.492**	**0.0876**	**21.7**	**0.582**	**1.86**	**0.0831**	**68.7**	**96.8**	**45.6**	**716**	**18.6**	**118**	**112**	**72.3**
BG-7-12"	12/21/2023	**0.182**	**0.00815**	<.00719	<1.21	**13.7**	<11.9	**0.91**	**0.065**	**0.0228**	**1.68**	**0.41**	<.0581	**16.9**	**0.221**	**1.34**	**0.116**	**78.7**	**73.5**	**41.6**	**461**	**13.6**	**37.5**	**78**	**54.8**
BG-8-6"	12/21/2023	**0.114**	<.00556	<.00556	<1.22	**17.5**	<11.5	**1.12**	**0.032**	**0.0227**	**1.67**	**0.562**	**0.117**	**88.6**	**0.224**	**2.85**	**0.0713**	**97**	**66**	**44.3**	**1060**	**19.6**	**47.6**	**108**	**58.2**
BG-8-12"	12/21/2023	**0.0921**	<.00576	<.00576	<1.20	**4.06**	<0.7	**0.39**	**0.041**	**0.0228**	**1.27**	**0.327**	**0.0953**	**10**	**0.175**	**1.91**	**0.0681**	**65.1**	**39.1**	**24.9**	**320**	**10.4**	**36**	**54.7**	**54.2**
DUP-7 (BG-2-6")	12/21/2023	<.835	<.00418	<.00418	**3.08**	3.39 J	<0.7	**0.42**	**0.054**	**1.11**	**2.77**	**0.326**	**1.03**	**10.8**	**0.322**	**1.84**	<.0600	**120**	**42.9**	**40.4**	**551**	**15.9**	**90.4**	**53**	**235**
DUP-8 SC-58)	2/15/2024	<.0107	<.00454	<.00454	**3.47**	**17.5**	<12.2	**0.080**	**1.08**	**0.151**	**11.5**	**0.482**	**0.381**	**17.7**	**0.868**	**3.51**	**0.195**	**156**	**42.3**	**87.6**	**650**	**24.2**	**358**	**81.2**	**115**
DUP-1 (SC-8)	12/11/2023	**0.0238**	<.00473	<0.00473	**2.88**	165	<11.2	**0.45**	**0.05**	**0.178**	**2.83**	**0.685**	**0.352**	**31.9**	**0.46**	**1.73**	**0.0696**	**241**	**65.9**	**91.7**	**837**	**46.2**	**128**	**138**	**234**
DUP-2 (SC-15)	12/12/2023	**0.0591**	<.00504	<.00504	**2.83**	11.6 J	<11.6	**0.6**	**0.019**	**0.0185**	**1.83**	**0.669**	<.0603	**34.2**	<.0603	**2.02**	**0.0625**	**100**	**36.8**	**40.6**	**417**	**14.9**	**8.21**	**76.1**	**45.2**
DUP-3 (SC-53)	12/13/2023	**0.0693**	<.00530	<.00530	<1.19	5.54 J	<11.6	**0.25**	<0.009	**0.0165**	**1.46**	**0.722**	**0.0669**	**16.7**	<.0559	**1.58**	**0.0988**	**236**	**29.1**	**63.7**	**499**	**19.6**	**2.99**	**117**	**58.9**
DUP-4 (SC-39)	12/14/2023	**0.0774**	<.00513	<.00500	<1.13	4.84 J	<11.2	<0.22	<0.009	**0.0114**	**1.18**	**0.486**	<.0528	**7.89**	<.0528	**1.33**	**0.0931**	**119**	**17.2**	**19**	**247**	**10.6**	**3.05**	**50**	**32**
DUP-5 (SC-32)	12/19/2023	**0.0475**	<.00486	<.00486	1.75 J	6.23 J	<11.6	**0.92**	**0.038**	**0.0338**	**1.54**	**0.447**	**0.105**	**17.3**	**0.265**	**2.13**	**0.0868**	**145**	**58.2**	**52.4**	**535**	**28.5**	**73.6**	**77.9**	**106**
DUP-6 (SC-20)	12/20/2023	**0.181**	**0.0113**	<.00496	2.12 J	31.1	<12.0	**0.81**	**0.155**	**0.0804**	**1.86**	**0.522**	**0.128**	**10.7**	**0.272**	**1.93**	**0.0743**	**53.5**	**59.7**	**46.5**	**379**	**13.8**	**45.1**	**108**	**77.5**
Maximum Detection >		0.374	0.0234	0.0113	5.41	322	19.2	2.66	16.7	2.7	115	1.03	1.63	88.6	14.4	16.7	0.513	1347	118	206	1110	47.6	78800	140	1040
Sample ID >		SC-60	SC-20	BG-2 12"	SC-43	SC-4	SC-25	SC-64	SC-64	SC-2	SC-64	SC-21	SC-2	BG-8 6"	SC-64	SC-5	SC-64	SC-4	SC-35	SC-3	SC-50	SC-17	SC-64	SC-53	SC-3
EPA Screening Levels ((TR=1E-06 THQ=0.1)		7000	2700	77	13000	NE	NE	0.3	2.3	39	0.68	16	0.71	2.3	3.1	39	0.078	1500	12000	310	180	140	200	39	2300

Notes:
mg/kg - milligrams per kilogram.
VOCs: Volatile Organic Compounds
SVOCs: Semi-Volatile Organic Compounds
NE: Screening Level Not Established for the Constituent
Concentrations shown in **BOLD** exceed the laboratory detection limits.
Concentrations of Lead that exceed the USEPA Health-Based Screening Level of 200 mg/kg are **highlighted yellow**.
*: Pyrene USEPA Regional Screening Level used as a surrogate for the constituent
TR: Target Risk is the acceptable risk level for cancer causing constituents.
THQ: Target Hazard Quotient is the acceptable risk level for non-cancer health effects.
USEPA Regional Screening Levels: are acceptable risk-based concentrations derived from the TR and THQ.

TABLE 1
Soil Cover - Soil Sample Analytical Results Summary
Southside Park Landfill
NCDEQ ID No. NONCD0000807, Task 807RI-2

Analytical Method		SVOCs Method 8270E (mg/kg)											
Analyte		Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	2,4-Dinitrophenol	bis (2-Ethylhexyl) phthalate	Di-n-octyl phthalate	1,4-Dioxane (SIM)	Fluoranthene	Phenanthrene	Pyrene
Sample ID	Date Collected												
SC-1	12/20/2023	<1.030	<1.030	<1.030	<1.030	<1.030	<1.030	<1.030	<1.030	<.00825	<1.030	<1.030	<1.030
SC-2	12/20/2023	<.105	<.105	<.105	<.105	<.105	<.105	<.105	<.105	<.00837	<.105	<.105	<.105
SC-3	12/11/2023	<1.010	<1.010	<1.010	<1.010	<1.010	<1.010	<1.010	<1.010	<.00402	<1.010	<1.010	<1.010
SC-4	12/11/2023	<1.020	<1.020	<1.020	<1.020	<1.020	<1.020	<1.020	<1.020	<.00407	<1.020	<1.020	<1.020
SC-5	12/20/2023	<.102	<.102	**0.110**	<.102	<.102	<.102	<.102	<.102	<.00817	<.102	<.102	<.102
SC-6	12/20/2023	<1.040	<1.040	<1.040	<1.040	<1.040	<1.040	<1.040	<1.040	<.00829	<1.040	<1.040	<1.040
SC-7	12/11/2023	<.988	<.988	<.988	<.988	<.988	<.988	<.988	<.988	<.00395	<.988	<.988	<.988
SC-8	12/11/2023	<.955	<.955	<.955	<.955	<.955	<.955	<.955	<.955	<.00382	<.955	<.955	<.955
SC-9	12/11/2023	<.0999	<.0999	<.0999	<.0999	<.0999	<.0999	<.0999	<.0999	<.00399	<.0999	<.0999	<.0999
SC-10	12/20/2023	<.391	<.391	<.391	<.391	<.391	<.391	<.391	<.391	<.00781	<.391	<.391	<.391
SC-11	12/20/2023	<.389	<.389	<.389	<.389	<.389	<.389	<.389	<.389	<.00778	<.389	<.389	<.389
SC-12	12/12/2023	<.415	<.415	<.415	<.415	<.415	<.415	<.415	<.415	<.00415	<.415	<.415	<.415
SC-13	12/12/2023	<.101	<.101	<.101	<.101	<.101	<.101	<.101	<.101	<.00403	<.101	<.101	<.101
SC-14	12/12/2023	<.100	<.100	<.100	<.100	<.100	<.100	<.100	<.100	<.00400	<.100	<.100	<.100
SC-15	12/12/2023	<.0956	<.0956	<.0956	<.0956	<.0956	<.0956	<.0956	<.0956	<.00382	<.0956	<.0956	<.0956
SC-16	12/20/2023	<.0970	<.0970	<.0970	<.0970	<.0970	<.0970	<.0970	<.0970	<.00388	<.0970	<.0970	<.0970
SC-17	12/20/2023	<.398	<.398	<.398	<.398	<.398	<.398	<.398	<.398	<.00796	<.398	<.398	<.398
SC-18	12/20/2023	<.993	<.993	<.993	<.993	<.993	<.993	<.993	<.993	<.00794	<.993	<.993	<.993
SC-19	12/20/2023	<1.020	<1.020	<1.020	<1.020	<1.020	<1.020	<1.020	<1.020	<.00812	<1.020	<1.020	<1.020
SC-20	12/20/2023	<.402	<.402	<.402	<.402	<.402	<.402	<.402	<.402	<.00402	<.402	<.402	<.402
SC-21	12/20/2023	<.428	<.428	<.428	<.428	<.428	<.428	<.428	<.428	<.00428	<.428	<.428	<.428
SC-22	12/12/2023	<.413	<.413	<.413	<.413	<.413	<.413	<.413	<.413	<.00413	<.413	<.413	<.413
SC-23	12/11/2023	<.104	<.104	<.104	<.104	<.104	<.104	<.104	<.104	<.00417	<.104	<.104	<.104
SC-24	12/12/2023	<.101	<.101	<.101	<.101	<.101	<.101	<.101	<.101	<.00403	<.101	<.101	<.101
SC-25	12/12/2023	<.0972	<.0972	<.0972	<.0972	<.0972	<.0972	<.0972	<.0972	<.00388	<.0972	<.0972	<.0972
SC-26	12/13/2023	<.0952	<.0952	<.0952	<.0952	<.0952	<.0952	<.0952	<.0952	<.00381	<.0952	<.0952	<.0952
SC-27	12/19/2023	<.0967	<.0967	<.0967	<.0967	<.0967	<.0967	<.0967	<.0967	<.00386	<.0967	<.0967	<.0967
SC-28	12/19/2023	<.0975	<.0975	<.0975	<.0975	<.0975	<.0975	<.0975	<.0975	<.00390	<.0975	<.0975	<.0975
SC-29	12/19/2023	<.414	<.414	<.414	<.414	<.414	<.414	<.414	<.414	<.00414	<.414	<.414	<.414
SC-30	12/19/2023	<.408	<.408	<.408	<.408	<.408	<.408	<.408	<.408	<.00408	<.408	<.408	<.408
SC-31	12/19/2023	<.403	<.403	<.403	<.403	<.403	<.403	<.403	<.403	<.00403	<.403	<.403	<.403
SC-32	12/19/2023	<.101	<.101	<.101	<.101	<.101	<.101	<.101	<.101	<.00402	<.101	<.101	<.101
SC-33	12/19/2023	<.104	<.104	<.104	<.104	<.104	<.104	<.104	<.104	<.00416	<.104	<.104	<.104
SC-34	12/12/2023	<.0996	<.0996	<.0996	<.0996	<.0996	<.0996	<.0996	<.0996	<.00398	<.0996	<.0996	<.0996
SC-35	12/12/2023	<.0387	<.0387	<.0387	<.0387	<.0387	<.0387	<.0387	<.0387	<.00387	<.0387	<.0387	<.0387
SC-36	12/13/2023	<.0952	<.0952	<.0952	<.0952	<.0952	<.0952	<.0952	<.0952	<.00381	<.0952	<.0952	<.0952
SC-37	12/13/2023	<.101	<.101	<.101	<.101	<.101	<.101	<.101	<.101	<.00405	<.101	<.101	<.101
SC-38	12/14/2023	<.388	<.388	<.388	<.388	<.388	<.388	<.388	<.388	<.00388	<.388	<.388	<.388
SC-39	12/14/2023	<.0961	<.0961	<.0961	<.0961	<.0961	<.0961	<.0961	<.0961	<.00384	<.0961	<.0961	<.0961
SC-40	12/11/2023	<.0999	<.0999	<.0999	<.0999	<.0999	<.0999	<.0999	<.0999	<.00400	<.0999	<.0999	<.0999
SC-41	12/19/2023	<.968	<.968	<.968	<.968	<.968	<.968	<.968	<.968	<.00387	<.968	<.968	<.968
SC-42	12/19/2023	<.403	<.403	<.403	<.403	<.403	<.403	<.403	<.403	<.00403	**0.561**	<.403	**0.440**
SC-43	12/19/2023	<.105	<.105	<.105	<.105	<.105	<.105	<.105	<.105	<.00418	<.105	<.105	<.105
SC-44	12/12/2023	<1.000	<1.000	<1.000	<1.000	<1.000	<1.000	<1.000	<1.000	<.00400	<1.000	<1.000	<1.000
SC-45	12/13/2023	<.0988	<.0988	<.0988	<.0988	<.0988	<.0988	<.0988	<.0988	<.00395	<.0988	<.0988	<.0988
SC-46	12/13/2023	<.0959	<.0959	<.0959	<.0959	<.0959	<.0959	<.0959	<.0959	<.00383	<.0959	<.0959	<.0959
SC-47	12/14/2023	<.0939	<.0939	<.0939	<.0939	<.0939	<.0939	<.0939	<.0939	<.00375	<.0939	<.0939	<.0939
SC-48	12/14/2023	<.0938	<.0938	<.0938	<.0938	<.0938	<.0938	<.0938	<.0938	<.00375	<.0938	<.0938	<.0938
SC-49	12/14/2023	<.0987	<.0987	<.0987	<.0987	<.0987	<.0987	<.0987	<.0987	<.00395	<.0987	<.0987	<.0987
SC-50	12/14/2023	<.976	<.976	<.976	<.976	<.976	<.976	<.976	<.976	<.00390	<.976	<.976	<.976
SC-51	12/13/2023	**0.526**	**0.717**	**0.907**	<.382	**0.385**	<.382	<382	<.382	<.00382	**0.720**	**0.560**	**0.746**
SC-52	12/13/2023	<.0995	<.0995	<.0995	<.0995	<.0995	<.0995	<.0995	<.0995	<.00398	<.0995	<.0995	<.0995
SC-53	12/13/2023	<.0995	<.0995	<.0995	<.0995	<.0995	<.0995	<.0995	<.0995	<.00398	<.0995	<.0995	<.0995
SC-54	12/14/2023	<.997	<.997	<.997	<.997	<.997	<.997	<.997	<.997	<.00398	<.997	<.997	<.997
SC-55	12/14/2023	<.381	<.381	<.381	<.381	<.381	<.381	<.381	<.381	<.00381	<.381	<.381	<.381
SC-56	12/14/2023	<.104	<.104	<.104	<.104	<.104	<.104	<.104	<.104	<.00415	<.104	<.104	<.104
SC-57	2/15/2024	<1.08	<1.08	<1.08	<1.08	<1.08	<1.08	<1.08	<1.08	<.00861	<1.08	<1.08	<1.08
SC-58	2/15/2024	<.401	**0.428**	**0.641**	<.401	<.401	<.401	<.401	<.401	<.00817	<.401	<.401	<.401
SC-59	2/15/2024	<.997	<.997	<.997	<.997	<.997	<.997	<.997	<.997	<.00797	<.997	<.997	<.997
SC-60	12/14/2023	<.403	<.403	<.403	<.403	<.403	<.403	<.403	<.403	<.00403	<.403	<.403	<.403
SC-61	12/13/2023	<.388	<.388	<.388	<.388	<.388	<.388	<.388	<.388	<.00388	<.388	<.388	<.388
SC-62	2/15/2024	<1.02	<1.02	<1.02	<1.02	<1.02	<1.02	<1.02	<1.02	<.00816	<1.02	<1.02	<1.02
SC-63	12/14/2023	<1.010	<1.010	<1.010	<1.010	<1.010	<1.010	<1.010	<1.010	<.00402	<1.010	<1.010	<1.010
SC-64	2/15/2024	<1	<1	<1	<1	<1	<1	<1	<1	<.00802	**1.15**	<1	**1.28**
BG-1-6"	12/21/2023	<.395	<.395	<.395	<.395	<.395	<.395	<.395	<.395	<.00789	<.395	<.395	<.395
BG-1-12"	12/21/2023	<.396	<.396	<.396	<.396	<.396	<.396	<.396	<.396	<.00791	<.396	<.396	<.396
BG-2-6"	12/21/2023	<.2020	<.2020	**2.47**	<2.020	<2.020	<2.020	<2.020	<2.020	<.00806	**2.60**	<2.02	<2.02
BG-2-12"	12/21/2023	<1.930	<1.930	**2.04**	<1.9030	<1.9030	<1.9030	<1.9030	<1.9030	<.00772	**1.96**	<1.93	<1.93
BG-3-6"	12/21/2023	<1.100	<1.100	<1.100	<1.101	<1.101	<1.101	<1.101	<1.101	<.00878	<1.102	<1.102	<1.102
BG-3-12"	12/21/2023	<.427	<.427	<.427	<.427	<.427	<.427	<.427	<.427	<.00854	<.427	<.427	<.427
BG-4-6"	12/21/2023	<.444	<.444	<.444	<.444	<.444	<.444	<.444	<.444	<.00444	<.444	<.444	<.444
BG-4-12"	12/21/2023	<.103	<.103	<.103	**0.126**	<.103	<.103	<.103	<.103	<.00411	<.103	<.103	<.103
BG-5-6"	12/21/2023	<.0988	<.0988	<.0988	<.0988	<.0988	**0.134**	<.0988	<.0988	<.00395	<.0988	<.0988	<.0988
BG-5-12"	12/21/2023	<.0987	<.0987	<.0987	<.0987	<.0987	<.0987	<.0987	<.0987	<.00394	<.0987	<.0987	<.0987
BG-6-6"	12/21/2023	<.102	<.102	<.102	<.102	<.102	<.102	<.102	<.102	<.00407	<.102	<.102	<.102
BG-6-12"	12/21/2023	<.966	<.966	<.966	<.966	<.966	<.966	<.966	<.966	<.00773	<.966	<.966	<.966
BG-7-6"	12/21/2023	<1.010	<1.010	<1.010	<1.011	<1.011	<1.011	<1.010	<1.010	<.00811	<1.012	<1.012	<1.012
BG-7-12"	12/21/2023	<.0994	<.0994	<.0994	<.0994	<.0994	<.0994	**0.385**	**0.657**	<.00397	<.0994	<.0994	<.0994
BG-8-6"	12/21/2023	<.101	<.101	<.101	<.101	<.101	<.101	<.101	<.101	<.00406	<.101	<.101	<.101
BG-8-12"	12/21/2023	<.0991	<.0991	<.0991	<.0991	<.0991	<.0991	<.0991	<.0991	**0.0278**	<.0991	<.0991	<.0991
DUP-7 (BG-2-6")	12/21/2023	**1.03**	**1.15**	<1.02	**2.87**	<1.020	<1.020	<1.020	<1.020	**0.054**	**1.30**	<1.020	<1020
DUP-8 SC-58)	2/15/2024	<.401	<.401	<.401	<.401	<.401	<.401	<.401	<.401	<.00817	<.401	<.401	<.401
DUP-1 (SC-8)	12/11/2023	<.368	<.368	<.368	<.368	<.368	<.368	<.368	<.368	<.00368	<.368	<.368	<.368
DUP-2 (SC-15)	12/12/2023	<.101	<.101	<.101	<.101	<.101	<.101	<.101	<.101	<.00402	<.101	<.101	<.101
DUP-3 (SC-53)	12/13/2023	<.0967	<.0967	<.0967	<.0967	<.0967	<.0967	<.0967	<.0967	<.00387	<.0967	<.0967	<.0967
DUP-4 (SC-39)	12/14/2023	<.0924	<.0924	<.0924	<.0924	<.0924	<.0924	<.0924	<.0924	<.00369	<.0924	<.0924	<.0924
DUP-5 (SC-32)	12/19/2023	<.405	<.405	<.405	<.405	<.405	<.405	<.405	<.405	<.00405	<.405	<.405	<.405
DUP-6 (SC-20)	12/20/2023	<.401	<.401	<.401	<.401	<.401	<.401	<.401	<.401	<.00401	<.401	<.401	<.401
Maximum Detection >		1.03	1.15	2.47	2.87	0.385	0.134	0.385	0.657	0.054	2.6	0.56	1.28
Sample ID >		DUP-7 (BG-2-6")	DUP-7 (BG-2-6")	BG-2-6"	DUP-7 (BG-2-6")	SC-51	BG-5-6"	BG-7-12"	BG-7-12"	DUP-7 (BG-2-6")	BG2-12"	SC-51	SC-51
EPA Screening Levels ((TR=1E-06 THQ=0.1)		1.1	0.57	1.1	11	110	13	39	63	5.3	240	180*	180

Notes:
mg/kg - milligrams per kilogram.
VOCs: Volatile Organic Compounds
SVOCs: Semi-Volatile Organic Compounds
NE: Screening Level Not Established for the Constituent
Concentrations shown in **BOLD** exceed the laboratory detection limits.
Concentrations of Lead that exceed the USEPA Health-Based Screening Level of 200 mg/kg are **highlighted yellow**.
*: Pyrene USEPA Regional Screening Level used as a surrogate for the constituent
TR: Target Risk is the acceptable risk level for cancer causing constituents.
THQ: Target Hazard Quotient is the acceptable risk level for non-cancer health effects.
USEPA Regional Screening Levels: are acceptable risk-based concentrations derived from the TR and THQ.

TABLE 2
Offsite - Soil Sample Analytical Results Summary
Southside Park Landfill
NCDEQ ID No. NONCD0000870, Task 870RI-2

			Method 7199 (mg/kg)	Method 7471B (mg/kg)	Metals (ICPMS) by Method 6020B (mg/kg)														
	Sample ID	Date Collected	Hexavalent Chromium	Mercury	Silver	Arsenic	Beryllium	Cadmium	Cobalt	Antimony	Selenium	Thallium	Barium	Chromium	Copper	Manganese	Nickel	Lead	Vanadium	Zinc
Revolution Park Soil Samples	BG-101	2/15/2024	0.51	0.092	0.0512	2.15	0.784	0.114	21.6	0.339	2.53	0.124	146	49.8	37.9	1010	23.2	50.4	127	94.2
	BG-102	2/15/2024	0.42	0.158	0.0408	2.37	0.934	0.676	20.4	0.347	2.39	0.154	127	38.8	41.4	1350	15.1	39.3	122	92.7
	BG-103	2/15/2024	0.34	0.054	0.0471	2.5	0.265	0.159	10.6	0.208	0.956	<.0575	75.6	26.1	25.9	467	10.3	22.6	56.3	96.4
	BG-104	2/15/2024	1.08	0.085	0.12	5.3	0.326	0.283	12.6	0.341	1.69	<.0647	88.2	30.7	32.3	589	13.5	67.4	67.7	114
	BG-105	2/15/2024	0.91	0.079	0.0878	2.69	0.392	0.189	14.1	0.218	1.31	0.073	103	33.5	36.1	621	14.4	26	75.2	93
	BG-106	2/15/2024	0.80	0.109	0.0663	1.79	0.437	0.176	14	0.172	1.0	0.0967	154	28.5	31.8	706	12.8	19.9	77.9	103
	BG-107	2/15/2024	0.83	0.168	0.062	2.01	0.411	0.144	13	0.131	1.23	0.0743	97.6	36.1	34.1	536	13.5	20.8	73.9	80.7
	BG-108	2/15/2024	0.70	0.123	0.101	3.36	0.341	0.252	12.3	0.254	1.05	0.067	90.2	30	32.5	575	12.2	32.3	64.5	130
	BG-109	2/15/2024	0.72	0.299	0.143	3.66	0.65	0.525	16.4	0.393	1.76	0.122	149	39.9	49.7	1040	18.2	49.2	115	147
	BG-110	2/15/2024	1.5	0.481	1.43	3.05	0.513	0.40	12.3	1.46	1.6	0.0877	120	41.6	48.2	623	16.7	66.6	100	87.4
	BG-111	2/15/2024	0.26	0.030	0.0197	1.47	0.728	<.0613	15.7	<.0613	1.62	0.103	184	37.9	34.5	826	17.8	10.5	95.6	69
	BG-112	2/15/2024	0.27	0.039	0.0223	1.51	0.575	<.0611	15	<.0611	1.37	0.0906	173	28.5	35.9	854	13.2	9.14	84.8	62.2
	BG-113	2/15/2024	0.31	0.035	0.0336	1.10	0.443	0.0688	16.2	0.0589	1.1	0.113	160	38.9	39.8	794	17.7	13.9	76.2	63.3
	BG-114	2/15/2024	<0.24	0.024	0.0252	1.34	0.50	<.0555	12.4	0.062	1.33	0.0826	168	28.2	30.8	689	10.5	8.97	84.9	61.7
Clanton Park Soil Samples	BG-115	2/15/2024	0.52	0.341	0.082	2.86	0.576	0.135	16.3	0.252	1.87	0.115	126	36.1	33.6	1080	11.1	26.2	100	61.9
	BG-116	2/15/2024	0.42	0.163	0.0599	1.74	0.387	0.0924	13.9	0.0914	1.08	0.0841	104	34.3	41.5	510	13.3	18.9	77.5	63.1
	BG-117	2/15/2024	<0.24	0.043	0.0213	1.47	0.418	<.0583	11.4	0.0719	1.18	<.0583	179	11.4	19.9	309	79.7	9.2	61.6	54.8
	BG-118	2/15/2024	0.47	0.052	0.0262	1.74	0.772	0.068	18.6	0.124	2.18	0.0897	187	30.8	34	505	17.8	13.6	154	66
	BG-119	2/15/2024	<0.28	0.223	0.206	5.58	0.454	0.645	16.2	0.337	1.35	0.102	121	42.1	45.1	704	17	62	81.6	169
	BG-120	2/15/2024	0.74	0.514	0.0566	1.51	0.329	0.086	14.6	0.074	1.06	0.0734	113	32.6	47.1	651	15.8	13.5	73.9	58.7
	BG-121	2/15/2024	<0.25	0.305	0.0459	3.28	0.45	0.0871	16.7	0.108	1.35	0.0977	103	38.2	52.8	697	15.7	15.7	107	62
	BG-122	2/15/2024	0.53	0.277	0.0759	2.80	0.476	0.21	11.8	0.174	2.4	0.079	128	30	30.4	723	11.5	51.6	72.5	80.8
	BG-123	2/15/2024	0.29	0.025	0.00443	1.38	0.809	<.0617	11.9	<.0617	2.66	<.0617	213	14.4	35.1	313	10.5	6.57	96	73.3
	BG-124	2/15/2024	0.59	0.043	0.0218	1.16	0.618	0.129	19.7	0.174	1.22	0.117	247	48.8	61.4	717	21	18.5	107	84.2
	DUP-9 (BG-115)	2/15/2024	0.65	0.275	0.0781	2.76	0.553	0.12	16.2	0.231	1.73	0.111	110	35.1	32.9	875	11	25.2	88.7	57.5

Notes:

mg/kg - milligrams per kilogram.

Concentrations shown in **BOLD** exceed the laboratory detection limits.

Appendices

Appendix I – Coordinates of Selected Features

APPENDIX I
Coordinates of Selected Features
Southside Park Landfill NONCD0000807
Charlotte, Mecklenburg County, North Carolina
S&ME Project No. 215952, Task Order 807RI-2

Sample ID	Type	Location			
		Latitude	Longitude	Northing	Easting
SC-1	Soil Sample Boring	-80.874322	35.207438	535709.29	1440163.98
SC-2	Soil Sample Boring	-80.874329	35.207207	535625.82	1440159.12
SC-3	Soil Sample Boring	-80.873974	35.207699	535802.34	1440269.85
SC-4	Soil Sample Boring	-80.873974	35.207699	535802.53	1440269.02
SC-5	Soil Sample Boring	-80.874037	35.207454	535713.79	1440248.99
SC-6	Soil Sample Boring	-80.874027	35.207207	535623.37	1440249.47
SC-7	Soil Sample Boring	-80.874031	35.20694	535526.83	1440246.22
SC-8	Soil Sample Boring	-80.873707	35.207742	535816.19	1440349.38
SC-9	Soil Sample Boring	-80.873701	35.20746	535713.52	1440349.9
SC-10	Soil Sample Boring	-80.87369	35.207209	535622.8	1440350.29
SC-11	Soil Sample Boring	-80.873684	35.206943	535525.72	1440350.68
SC-12	Soil Sample Boring	-80.873687	35.206668	535425.38	1440347.11
SC-13	Soil Sample Boring	-80.87338	35.208032	535920.81	1440449.88
SC-14	Soil Sample Boring	-80.873356	35.207761	535821.56	1440454.73
SC-15	Soil Sample Boring	-80.873362	35.207472	535716.59	1440450.92
SC-16	Soil Sample Boring	-80.873359	35.207209	535620.14	1440449.43
SC-17	Soil Sample Boring	-80.873352	35.206935	535520.99	1440449.03
SC-18	Soil Sample Boring	-80.873343	35.206668	535424.66	1440450.72
SC-19	Soil Sample Boring	-80.87334	35.206394	535324.09	1440449.89
SC-20	Soil Sample Boring	-80.873334	35.206117	535223.33	1440449.48
SC-21	Soil Sample Boring	-80.873334	35.205843	535123.11	1440447.74
SC-22	Soil Sample Boring	-80.873287	35.205578	535026.28	1440459.94
SC-23	Soil Sample Boring	-80.873096	35.208275	536007.97	1440535.47
SC-24	Soil Sample Boring	-80.873064	35.20803	535918.74	1440543.86
SC-25	Soil Sample Boring	-80.873031	35.207769	535822.83	1440551.39
SC-26	Soil Sample Boring	-80.87302	35.207482	5357183.25	1440552.47
SC-27	Soil Sample Boring	-80.873015	35.207212	535619.6	1440552.88
SC-28	Soil Sample Boring	-80.873012	35.206943	535521.84	1440551.35
SC-29	Soil Sample Boring	-80.873002	35.206671	535423.74	1440552.92
SC-30	Soil Sample Boring	-80.873003	35.206405	535326.28	1440550.93
SC-31	Soil Sample Boring	-80.873006	35.206114	535220.53	1440547.97
SC-32	Soil Sample Boring	-80.872999	35.205837	535119.13	1440547.94
SC-33	Soil Sample Boring	-80.873004	35.205565	535020.64	1440544.68
SC-34	Soil Sample Boring	-80.872998	35.20536	534946.29	1440544.92
SC-35	Soil Sample Boring	-80.872735	35.208029	535915.66	1440641.06
SC-36	Soil Sample Boring	-80.8727	35.207772	535822.35	1440650.98
SC-37	Soil Sample Boring	-80.872684	35.207494	535720.13	1440653.46
SC-38	Soil Sample Boring	-80.872684	35.207217	535619.65	1440651.9
SC-39	Soil Sample Boring	-80.872674	35.206948	535521.73	1440652.48
SC-40	Soil Sample Boring	-80.872668	35.206663	535418.83	1440652.33
SC-41	Soil Sample Boring	-80.872661	35.206389	535318.92	1440652.65
SC-42	Soil Sample Boring	-80.872665	35.206117	535219.12	1440649.18
SC-43	Soil Sample Boring	-80.872646	35.205835	535116.95	1440653.38
SC-44	Soil Sample Boring	-80.872685	35.205608	535034.65	1440639.86
SC-45	Soil Sample Boring	-80.872409	35.207762	535816.97	1440737.42
SC-46	Soil Sample Boring	-80.872362	35.207499	535720.63	1440749.62
SC-47	Soil Sample Boring	-80.872362	35.207217	535617.21	1440747.43
SC-48	Soil Sample Boring	-80.872347	35.206961	535524.52	1440750.89
SC-49	Soil Sample Boring	-80.87234	35.206668	535418.68	1440750.84
SC-50	Soil Sample Boring	-80.872337	35.206399	535320.94	1440749.39
SC-51	Soil Sample Boring	-80.872337	35.206119	535218.23	1440747.83
SC-52	Soil Sample Boring	-80.87206	35.207477	535710.11	1440839.97
SC-53	Soil Sample Boring	-80.872038	35.207222	535617.85	1440844.64
SC-54	Soil Sample Boring	-80.872012	35.206958	535521.82	1440849.23
SC-55	Soil Sample Boring	-80.871999	35.20666	535413.23	1440851.41
SC-56	Soil Sample Boring	-80.872	35.20641	535322.62	1440849.63
SC-57	Soil Sample Boring	-80.872017	35.206159	535231.83	1440843.33
SC-58	Soil Sample Boring	-80.871739	35.207205	535610.73	1440933.56

APPENDIX I
Coordinates of Selected Features
Southside Park Landfill NONCD0000807
Charlotte, Mecklenburg County, North Carolina
S&ME Project No. 215952, Task Order 807RI-2

Sample ID	Type	Location			
		Latitude	Longitude	Northing	Easting
SC-59	Soil Sample Boring	-80.871674	35.206947	535516.32	1440950.05
SC-60	Soil Sample Boring	-80.871678	35.206676	535417.37	1440947.29
SC-61	Soil Sample Boring	-80.871662	35.20642	535324.49	1440950.03
SC-62	Soil Sample Boring	-80.871402	35.206944	535513.78	1441032.98
SC-63	Soil Sample Boring	-80.871344	35.206689	535420.68	1441047.39
SC-64	Soil Sample Boring	-80.871321	35.206415	535320.05	1441052.84
BG-1-6"	Soil Sample Boring	-80.871071	35.206672	535412.04	1441129.94
BG-1-12"	Soil Sample Boring	-80.87407362	35.20697407	535538.8281	1440233.991
BG-2-6"	Soil Sample Boring	-80.87382181	35.20664148	535416.3857	1440306.911
BG-2-12"	Soil Sample Boring	-80.87382181	35.20664148	535416.3857	1440306.911
BG-3-6"	Soil Sample Boring	-80.87345527	35.20631598	535295.8751	1440414.143
BG-3-12"	Soil Sample Boring	-80.87345527	35.20631598	535295.8751	1440414.143
BG-4-6"	Soil Sample Boring	-80.87357539	35.20584897	535126.6182	1440375.062
BG-4-12"	Soil Sample Boring	-80.87357539	35.20584897	535126.6182	1440375.062
BG-5-6"	Soil Sample Boring	-80.87313995	35.20538112	534953.9223	1440501.896
BG-5-12"	Soil Sample Boring	-80.87313995	35.20538112	534953.9223	1440501.896
BG-6-6"	Soil Sample Boring	-80.87287049	35.20559582	535030.5304	1440583.849
BG-6-12"	Soil Sample Boring	-80.87287049	35.20559582	535030.5304	1440583.849
BG-7-6"	Soil Sample Boring	-80.87231532	35.20599206	535171.5856	1440752.374
BG-7-12"	Soil Sample Boring	-80.87231532	35.20599206	535171.5856	1440752.374
BG-8-6"	Soil Sample Boring	-80.87189635	35.20627612	535272.5884	1440879.45
BG-8-12"	Soil Sample Boring	-80.87189635	35.20627612	535272.5884	1440879.45
BG-101	Offsite Soil Boring	-80.87768495	35.21424055	538203.3276	1439205.474
BG-102	Offsite Soil Boring	-80.87814616	35.21431741	538233.9041	1439068.271
BG-103	Offsite Soil Boring	-80.87598238	35.2139535	538089.2652	1439711.933
BG-104	Offsite Soil Boring	-80.87569936	35.21403608	538117.7175	1439797.017
BG-105	Offsite Soil Boring	-80.87535211	35.21415858	538160.3311	1439901.559
BG-106	Offsite Soil Boring	-80.87505181	35.21428076	538203.096	1439992.075
BG-107	Offsite Soil Boring	-80.87472162	35.21442098	538252.2555	1440091.645
BG-108	Offsite Soil Boring	-80.87431199	35.21454979	538296.8162	1440214.856
BG-109	Offsite Soil Boring	-80.87388706	35.21461911	538319.647	1440342.226
BG-110	Offsite Soil Boring	-80.87359157	35.21472915	538358.0207	1440431.224
BG-111	Offsite Soil Boring	-80.87346246	35.21525595	538548.9853	1440473.396
BG-112	Offsite Soil Boring	-80.87300939	35.21559258	538668.9242	1440611.004
BG-113	Offsite Soil Boring	-80.87303723	35.21703752	539194.8664	1440612.614
BG-114	Offsite Soil Boring	-80.87291442	35.21722837	539263.6208	1440650.596
BG-115	Offsite Soil Boring	-80.88360961	35.2078763	535921.0371	1437392.262
BG-116	Offsite Soil Boring	-80.88407787	35.20733436	535726.4934	1437248.672
BG-117	Offsite Soil Boring	-80.88500854	35.20608902	535278.6183	1436962.12
BG-118	Offsite Soil Boring	-80.88463462	35.20557924	535090.9974	1437070.273
BG-119	Offsite Soil Boring	-80.88620444	35.20721709	535695.8832	1436612.757
BG-120	Offsite Soil Boring	-80.88662643	35.20783067	535921.5469	1436490.975
BG-121	Offsite Soil Boring	-80.88775537	35.20839895	536134.7415	1436157.748
BG-122	Offsite Soil Boring	-80.88869565	35.20919138	536428.4301	1435882.424
BG-123	Offsite Soil Boring	-80.89021546	35.20830543	536114.6941	1435422.399
BG-124	Offsite Soil Boring	-80.89103507	35.20763505	535875.4177	1435172.977

Appendix II – Field Notes / Boring Logs

BORING LOG

Project Name: Southside Park Landfill
Job No. 215952

Boring Number: **SC-1** **Drilling method:** Power Auger

Date Drilled: 12/20/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-1-C	0.9	Composite sample: SC-1 Sample Time: 1430 Notes: Glass throughout	
0.0	12.0	brown sandy clay			
		SC-1-S	0.5		
0.0	12.0	brown sandy clay			
		SC-1-E			
0.0	12.0	brown sandy clay			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-2** **Drilling method:** Power Auger

Date Drilled: 12/20/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-2-C	0	Composite sample: SC-2 Sample Time: 1500 Notes: Glass, metals, bottles	
0.0	12.0	brown sandy silt			
		SC-2-N	0.2		
0.0	12.0	brown sandy silt			
		SC-2-S1			
		not collected due to landfill debris			
		SC-2-E			
0.0	12.0	brown sandy silt			
		SC-2-W			
		not collected due to stream			
		SC-2-S2			
		not collected due to landfill debris			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-3** **Drilling method:** Hand Auger

Date Drilled: 12/11/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-3-C	0.3	Composite sample: SC-3 Sample Time: 1100 Notes: Minor glass and plastic throughout	
0.0	12.0	Brown sandy silt			
		SC-3-E	0		
0.0	12.0	Brown sandy silt			
		SC-3-W			
0.0	12.0	Brown sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-4** **Drilling method:** Hand Auger

Date Drilled: 12/11/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-4-C	0.4	Composite sample: SC-4 Sample Time: 1500 Notes:	
0.0	12.0	red tan sandy clay			
		SC-4-N	0		
0.0	9.0	red brown sandy silt			
		SC-4-S			
0.0	12.0	red tan sandy clay			
		SC-4-E			
0.0	9.0	red brown sandy silt			
		SC-4-W			
0.0	12.0	red tan sandy clay			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: SC-5 **Drilling method:** Power Auger

Date Drilled: 12/20
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		SC-5-C	0.5	Composite sample: SC-5 Sample Time: 1515 Notes:	
0.0	12.0	red sandy clay			
		SC-5-N	0.3		
0.0	12.0	tan brown sandy silt			
		SC-5-S			
0.0	12.0	tan brown sandy silt			
		SC-5-E			
0.0	12.0	brown sandy silt			
		SC-5-W			
0.0	12.0	tan clay			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: SC-6 **Drilling method:** Power Auger

Date Drilled: 12/20
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		SC-6-C	0.1	Composite sample: SC-6 Sample Time: 1530 Notes:	
0.0	12.0	brown sandy silt			
		SC-6-N	0		
0.0	12.0	tan silty sad			
		SC-6-S			
0.0	12.0	brown sand			
		SC-6-E			
0.0	12.0	brown sandy silt			
		SC-6-W			
0.0	12.0	brown silty sand			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: SC-7 **Drilling method:** Hand Auger

Date Drilled: 12/11/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and Depth	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		SC-7-C	0	Composite sample: SC-7 Sample Time: 1145 Notes: Glass fragments around 8"	
0.0	12.0	tan brown sandy silt			
		SC-7-N	0.1		
0.0	12.0	tan brown sandy silt			
		SC-7-S			
0.0	12.0	tan brown sandy silt			
		SC-7-E			
0.0	12.0	tan brown sandy silt			
		SC-7-W			
0.0	12.0	tan brown sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: SC-8 **Drilling method:** Hand Auger

Date Drilled: 12/11/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		SC-8-C	0	Composite sample: SC-8 Sample Time: 1230 Notes: Rock and Gravel fill. DUP-1	
0.0	12.0	red brown sandy silt			
		SC-8-N	0		
0.0	12.0	red brown sandy silt			
		SC-8-S			
0.0	12.0	red brown sandy silt			
		SC-8-E			
0.0	12.0	tan silty sand			
		SC-8-W			
0.0	12.0	red brown sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: SC-9 **Drilling method:** Hand Auger

Date Drilled: 12/11/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		SC-9-C	0	Composite sample: SC-9 Sample Time: 1545 Notes:	
0.0	12.0	red brown sandy clay			
		SC-9-N	0.1		
0.0	12.0	red brown sandy clay			
		SC-9-S			
0.0	12.0	red brown sandy clay			
		SC-9-E			
0.0	12.0	tan silty sand			
		SC-9-W			
0.0	12.0	red brown sandy clay			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: SC-10 **Drilling method:** Power Auger

Date Drilled: 12/20
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		SC-10-C	0.1	Composite sample: SC-10 Sample Time: 1200 Notes:	
0.0	12.0	brown sandy clay			
		SC-10-N	0.1		
0.0	12.0	brown sandy clay			
		SC-10-S			
0.0	12.0	brown sandy clay			
		SC-10-E			
0.0	12.0	brown sandy clay			
		SC-10-W			
0.0	12.0	brown sandy clay			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: SC-11 **Drilling method:** Power Auger

Date Drilled: 12/20
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		SC-11-C	0.1	Composite sample: SC-11 Sample Time: 1220 Notes:	
0.0	12.0	tan sandy silt			
		SC-11-N	0.1		
0.0	12.0	tan sandy silt			
		SC-11-S1			
0.0	12.0	tan red silty sand			
		SC-11-E			
		not sampled due to large culvert			
		SC-11-W			
0.0	12.0	tan red sandy silt			
		SC-11-S2			
0.0	12.0	red brown sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: SC-12 **Drilling method:** Hand Auger

Date Drilled: 12/12/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		SC-12-C	0	Composite sample: SC-12 Sample Time: 0930 Notes:	
0.0	12.0	brown sandy silt			
		SC-12-N	0		
0.0	12.0	brown sandy silt			
		SC-12-S			
0.0	12.0	brown sandy silt			
		SC-12-E			
0.0	12.0	brown sandy silt			
		SC-12-W1			
0.0	12.0	brown sandy silt			
		SC-12-W2			
0.0	12.0	tan sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: SC-13 **Drilling method:** Hand Auger

Date Drilled: 12/12/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		SC-13-C	0.2	Composite sample: SC-13 Sample Time: 1320 Notes: Minor glass throughout	
0.0	6.0	tan orange sandy silt			
6.0	12.0	tan silty clay			
		SC-13-N	0		
0.0	12.0	tan sandy silt			
		SC-13-S			
0.0	6.0	tan sandy silt			
		SC-13-E			
0.0	12.0	tan sandy silt			
		SC-13-W			
0.0	12.0	tan grey silty sand			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-14** **Drilling method:** Hand Auger

Date Drilled: 12/12/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-14-C	0	Composite sample: SC-14 Sample Time: 1350 Notes: Glass throughout, small ceramic and metal fragments in base of S + W borings	
0.0	12.0	tan orange silty sand			
		SC-14-N	0.3		
0.0	12.0	tan orange silty sand			
		SC-14-S			
0.0	6.0	tan orange silty sand			
		SC-14-E			
0.0	12.0	tan silty sand			
		SC-14-W			
0.0	6.0	tan orange silty sand			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-15** **Drilling method:** Hand Auger

Date Drilled: 12/12/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-15-C	0.3	Composite sample: SC-15 Sample Time: 1545 Notes:	
0.0	12.0	tan white sand			
		SC-15-N	0		
0.0	12.0	tan white sand			
		SC-15-S			
0.0	12.0	tan white sand			
		SC-15-E			
0.0	12.0	tan white sand			
		SC-15-W			
0.0	12.0	tan white sand			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-16** **Drilling method:** Power Auger

Date Drilled: 12/20
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-16-C	0.1	Composite sample: SC-16 Sample Time: 1230 Notes:	
0.0	12.0	brown sandy silt			
		SC-16-N	0.1		
0.0	12.0	tan sand			
		SC-16-S			
0.0	12.0	red sandy silt			
		SC-16-E			
0.0	12.0	tan sand			
		SC-16-W			
0.0	12.0	red brown sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-17** **Drilling method:** Power Auger

Date Drilled: 12/20/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-17-C	0.2	Composite sample: SC-17 Sample Time: 1240 Notes:	
0.0	12.0	red brown sandy silt			
		SC-17-N	0.1		
0.0	12.0	red brown sandy silt			
		SC-17-S			
0.0	12.0	red brown sandy silt			
		SC-17-E			
0.0	12.0	red brown sandy silt			
		SC-17-W			
0.0	12.0	red brown sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-18** **Drilling method:** Power Auger

Date Drilled: 12/20/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-18-C	0.4	Composite sample: SC-18 Sample Time: 1250 Notes:	
0.0	12.0	red brown sandy silt			
		SC-18-N	0.2		
0.0	12.0	red brown sandy silt			
		SC-18-S			
0.0	12.0	red brown sandy silt			
		SC-18-E			
0.0	12.0	red brown sandy silt			
		SC-18-W			
0.0	12.0	red brown sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-19** **Drilling method:**

Date Drilled: 12/20
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-19-C		Composite sample: SC-19 Sample Time: 1300 Notes:	
0.0	12.0	brown tan sandy silt	0.2		
		SC-19-N			
0.0	12.0	brown tan sandy silt	0.1		
		SC-19-S			
0.0	12.0	brown tan sandy silt	0.1		
		SC-19-E			
0.0	12.0	brown tan sandy silt	0.1		
		SC-19-W			
0.0	12.0	brown tan sandy silt	0.1		

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-20** **Drilling method:** Power Auger

Date Drilled: 12/20
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-20-C	0.2	Composite sample: SC-20 Sample Time: 1320 Notes: DUP-6	
0.0	12.0	red tan sandy clay			
		SC-20-N	0.2		
0.0	12.0	red tan sandy clay			
		SC-20-S			
0.0	12.0	red tan sandy clay			
		SC-20-E			
0.0	12.0	red tan sandy clay			
		SC-20-W1			
0.0	12.0	red tan sandy clay			
		SC-20-W2			
0.0	12.0	tan gravel			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-21** **Drilling method:** Power Auger

Date Drilled: 12/20
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-21-C	0.2	Composite sample: SC-21 Sample Time: 1330 Notes:	
0.0	12.0	tan brown sandy silt			
		SC-21-N	0.1		
0.0	12.0	tan brown sandy silt			
		SC-21-S			
0.0	12.0	tan sand			
		SC-21-E			
0.0	12.0	tan sand			
		SC-21-W			
		not collected due to stream			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-22** **Drilling method:** Hand Auger

Date Drilled: 12/12/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-22-C	0	Composite sample: SC-22 Sample Time: 1000 Notes: Minor glass throughout	
0.0	12.0	tan brown sandy silt			
		SC-22-N	0.1		
0.0	12.0	tan brown sandy silt			
		SC-22-S			
0.0	12.0	tan brown sandy silt			
		SC-22-E			
0.0	12.0	tan brown sandy silt			
		SC-22-W1			
0.0	12.0	tan brown sandy silt			
		SC-22-W2			
0.0	12.0	tan brown sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-23** **Drilling method:** Hand Auger

Date Drilled: 12/11/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-23-C	0.1	Composite sample: SC-23 Sample Time: 1045 Notes: DUP-2	
0.0	12.0	tan sandy silt			
		SC-23-N	0		
0.0	12.0	tan sandy silt			
		SC-23-S			
0.0	12.0	red brown clay silt			
		SC-23-E			
0.0	12.0	tan sandy silt			
		SC-23-W			
0.0	12.0	tan sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-24** **Drilling method:** Hand Auger

Date Drilled: 12/12/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-24-C	0.8	Composite sample: SC-24 Sample Time: 1450 Notes:	
0.0	12.0	red brown sandy silt			
		SC-24-N	0.7		
0.0	12.0	red brown sandy silt			
		SC-24-S			
0.0	12.0	red brown sandy silt			
		SC-24-E			
0.0	12.0	red brown sandy silt			
		SC-24-W			
0.0	12.0	red brown sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-25** **Drilling method:** Hand Auger

Date Drilled: 12/12/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-25-C	1.1	Composite sample: SC-25 Sample Time: 1430 Notes:	
0.0	12.0	tan silty sand, some gravel			
		SC-25-N	0.1		
0.0	12.0	tan silty sand			
		SC-25-S			
0.0	12.0	tan sand			
		SC-25-E			
0.0	6.0	tan silty sand			
		SC-25-W			
0.0	12.0	tan silty sand			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-26** **Drilling method:** Power Auger

Date Drilled: 12/13/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-26-C	0.3	Composite sample: SC-26 Sample Time: 1330 Notes:	
0.0	12.0	tan silty sand			
		SC-26-N	0.2		
0.0	12.0	tan silty sand			
		SC-26-S			
0.0	12.0	tan silty sand			
		SC-26-E			
0.0	12.0	tan silty sand			
		SC-26-W			
0.0	12.0	tan silty sand			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-27** **Drilling method:** Power Auger

Date Drilled: 12/19/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-27-C	0.3	Composite sample: SC-27 Sample Time: 1430 Notes: Minor glass throughout	
0.0	12.0	tan silty sand			
		SC-27-N	0.2		
0.0	12.0	tan silty sand			
		SC-27-S			
0.0	12.0	tan silty sand			
		SC-27-E			
0.0	12.0	tan silty sand			
		SC-27-W			
0.0	12.0	tan silty sand			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-28** **Drilling method:** Power Auger

Date Drilled: 12/19/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		SC-28-C	0.1	Composite sample: SC-28 Sample Time: 1530 Notes: Minor glass throughout	
0.0	12.0	tan silty sand			
		SC-28-N	0		
0.0	12.0	tan silty sand			
		SC-28-S			
0.0	12.0	red brown silt			
		SC-28-E			
0.0	12.0	tan silty sand			
		SC-28-W			
0.0	12.0	red brown silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-29** **Drilling method:** Power Auger

Date Drilled: 12/19/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		SC-29-C	0.1	Composite sample: SC-29 Sample Time: 1445 Notes:	
0.0	12.0	brown tan sandy silt			
		SC-29-N	0		
0.0	12.0	brown tan sandy silt			
		SC-29-S			
0.0	12.0	brown tan sandy silt			
		SC-29-E			
0.0	12.0	brown tan sandy silt			
		SC-29-W			
0.0	12.0	brown tan sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-30** **Drilling method:** Power Auger

Date Drilled: 12/19/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		SC-30-C	0.1	Composite sample: SC-30 Sample Time: 1400 Notes: glass throughout	
0.0	12.0	tan brown sandy silt			
		SC-30-N	0.1		
0.0	12.0	tan brown sandy silt			
		SC-30-S			
0.0	12.0	tan brown sandy silt			
		SC-30-E			
0.0	12.0	tan brown sandy silt			
		SC-30-W			
0.0	12.0	tan brown sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-31** **Drilling method:** Power Auger

Date Drilled: 12/19/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		SC-31-C	0	Composite sample: SC-31 Sample Time: 1130 Notes:	
0.0	12.0	tan sandy silt			
		SC-31-N	0		
0.0	12.0	tan sandy silt			
		SC-31-S			
0.0	12.0	tan sandy silt			
		SC-31-E			
0.0	12.0	tan sandy silt			
		SC-31-W			
0.0	12.0	tan sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-32** **Drilling method:** Power Auger

Date Drilled: 12/19/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		SC-32-C	0	Composite sample: SC-32 Sample Time: 1100 Notes: DUP-5	
0.0	12.0	tan sandy silt			
		SC-32-N	0		
0.0	12.0	red clay silt			
		SC-32-S			
0.0	12.0	tan sandy silt			
		SC-32-E			
0.0	12.0	tan sandy silt			
		SC-32-W			
0.0	12.0	tan sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-33** **Drilling method:** Power Auger

Date Drilled: 12/19/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-33-C	0.1	Composite sample: SC-33 Sample Time: 1045 Notes:	
0.0	12.0	brown sandy silt			
		SC-33-NE	0		
0.0	12.0	brown sandy silt			
		SC-33-NW			
0.0	12.0	brown sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-34** **Drilling method:** Hand Auger

Date Drilled: 12/12/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-34-C	0.1	Composite sample: SC-34 Sample Time: 1115 Notes:	
0.0	12.0	red tan fine sandy silt			
		SC-34-W	0		
0.0	12.0	red tan fine sandy silt			
		SC-34-S			
0.0	12.0	red tan fine sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-35** **Drilling method:** Hand Auger

Date Drilled: 12/12/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-35-C	0.1	Composite sample: SC-35 Sample Time: 1200 Notes: Small glass fragments at 9"	
0.0	12.0	tan fine sand			
		SC-35-N	0.2		
0.0	12.0	tan fine sand			
		SC-35-S			
0.0	12.0	tan fine sand			
		SC-35-E			
0.0	12.0	tan fine sand			
		SC-35-W			
0.0	12.0	red sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-36** **Drilling method:** Power Auger

Date Drilled: 12/13/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-36-C	0.1	Composite sample: SC-36 Sample Time: 1020 Notes: Minor glass throughout	
0.0	12.0	brown tan sandy silt			
		SC-36-N	0		
0.0	12.0	brown tan sandy silt			
		SC-36-S			
0.0	12.0	brown tan sandy silt			
		SC-36-E			
0.0	12.0	brown tan sandy silt			
		SC-36-W			
0.0	12.0	brown tan sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-37** **Drilling method:** Power Auger

Date Drilled: 12/13/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-37-C	0	Composite sample: SC-37 Sample Time: 1150 Notes:	
0.0	12.0	tan silty sand			
		SC-37-N	0.6		
0.0	12.0	tan silty sand			
		SC-37-S			
0.0	12.0	tan silty sand			
		SC-37-E			
0.0	12.0	tan silty sand			
		SC-37-W			
0.0	12.0	tan silty sand			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-38** **Drilling method:** Power Auger

Date Drilled: 12/14/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		SC-38-C	0	Composite sample: SC-38 Sample Time: 1500 Notes:	
0.0	12.0	tan silty sand			
		SC-38-N	0		
0.0	12.0	tan silty sand			
		SC-38-S			
0.0	12.0	tan silty sand			
		SC-38-E			
0.0	12.0	tan silty sand			
		SC-38-W			
0.0	12.0	tan silty sand			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-39** **Drilling method:** Power Auger

Date Drilled: 12/14/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		SC-39-C	0.5	Composite sample: SC-39 Sample Time: 1515 Notes:	
0.0	12.0	tan silty sand			
		SC-39-N	0.2		
0.0	12.0	tan silty sand			
		SC-39-S			
0.0	12.0	tan silty sand			
		SC-39-E			
0.0	12.0	tan silty sand			
		SC-39-W			
0.0	12.0	tan silty sand			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-40** **Drilling method:** Power Auger

Date Drilled: 12/19
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		SC-40-C	0	Composite sample: SC-40 Sample Time: 1430 Notes: Minor glass throughout	
0.0	12.0	red tan sandy silt			
		SC-40-N	0.5		
0.0	12.0	tan sandy silt			
		SC-40-S			
0.0	12.0	red silt			
		SC-40-E			
0.0	12.0	red silt			
		SC-40-W			
0.0	12.0	tan sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-41** **Drilling method:** Power Auger

Date Drilled: 12/19/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		SC-41-C	0	Composite sample: SC-41 Sample Time: 1415 Notes:	
0.0	12.0	tan sandy silt			
		SC-41-N	0		
0.0	12.0	tan silty sand			
		SC-41-S			
0.0	12.0	tan sandy silt			
		SC-41-E			
0.0	12.0	tan sandy silt			
		SC-41-W			
0.0	12.0	tan sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-42** **Drilling method:** Power Auger

Date Drilled: 12/19/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		SC-42-C	0.1	Composite sample: SC-42 Sample Time: 1145 Notes: glass throught	
0.0	12.0	red sandy clay silt			
		SC-42-N	0.1		
0.0	12.0	tan brown sandy silt			
		SC-42-S			
0.0	12.0	tan brown sandy silt			
		SC-42-E			
0.0	12.0	tan brown sandy silt			
		SC-42-W			
0.0	12.0	tan brown sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-43** **Drilling method:** Power Auger

Date Drilled: 12/19/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-43-C	0.1	Composite sample: SC-43 Sample Time: 1345 Notes:	
0.0	12.0	tan brown sandy silt			
		SC-43-N	0.4		
0.0	12.0	tan brown sandy silt			
		SC-43-W			
0.0	12.0	tan brown sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-44** **Drilling method:** Hand Auger

Date Drilled: 12/12/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-44-C	0.3	Composite sample: SC-44 Sample Time: 1500 Notes:	
0.0	12.0	red brown silt			
		SC-44-W	0.4		
0.0	12.0	red brown sandy silt			
		SC-44-S			
0.0	12.0	red brown sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-45** **Drilling method:** Power Auger

Date Drilled: 12/13/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-45-C	0.3	Composite sample: SC-45 Sample Time: 1050 Notes: Glass mixed throughout	
0.0	12.0	brown tan sandy silt			
		SC-45-N	0.2		
0.0	12.0	brown tan sandy silt			
		SC-45-S			
0.0	12.0	tan silty sand			
		SC-45-E			
0.0	9.0	brown tan sandy silt			
		SC-45-W			
0.0	9.0	brown tan sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-46** **Drilling method:** Power Auger

Date Drilled: 12/13/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-46-C	0.1	Composite sample: SC-46 Sample Time: 1130 Notes:	
0.0	12.0	tan silty sand			
		SC-46-N	0		
0.0	12.0	tan silty sand			
		SC-46-S			
0.0	12.0	tan silty sand			
		SC-46-E			
0.0	12.0	tan silty sand			
		SC-46-W			
0.0	12.0	tan silty sand			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-47** **Drilling method:** Power Auger

Date Drilled: 12/14/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-47-C	0	Composite sample: SC-47 Sample Time: 1310 Notes: DUP-4	
0.0	12.0	tan silty sand			
		SC-47-N	0		
0.0	12.0	tan silty sand			
		SC-47-S			
0.0	12.0	tan silty sand			
		SC-47-E			
0.0	12.0	tan silty sand			
		SC-47-W			
0.0	12.0	tan silty sand			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-48** **Drilling method:** Power Auger

Date Drilled: 12/14/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		SC-48-C	0	Composite sample: SC-48 Sample Time: 1330 Notes:	
0.0	12.0	tan sand			
		SC-48-N	0		
0.0	12.0	tan sand			
		SC-48-S			
0.0	12.0	tan sand			
		SC-48-E			
0.0	12.0	tan sand			
		SC-48-W			
0.0	12.0	tan sand			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-49** **Drilling method:** Power Auger

Date Drilled: 12/14/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		SC-49-C	0	Composite sample: SC-49 Sample Time: 1400 Notes:	
0.0	12.0	brown red clay silt			
		SC-49-N	0		
0.0	12.0	brown red clay silt			
		SC-49-S			
0.0	12.0	grey brown sandy silt			
		SC-49-E			
0.0	12.0	brown red clay silt			
		SC-49-W			
0.0	12.0	brown red clay silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-50** **Drilling method:** Power Auger

Date Drilled: 12/14/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		SC-50-C	19.2	Composite sample: SC-50 Sample Time: 1110 Notes:	
0.0	12.0	tan sandy silt			
		SC-50-N	3.4		
0.0	12.0	tan sandy silt			
		SC-50-S1			
0.0	12.0	tan sandy silt			
		SC-50-S2			
0.0	12.0	tan sandy silt			
		SC-50-E			
0.0	12.0	tan sandy silt			
		SC-50-W			
0.0	12.0	tan sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-51** **Drilling method:** Power Auger

Date Drilled: 12/13/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		SC-51-C	0.5	Composite sample: SC- 51 Sample Time: 1110 Notes: Glass mixed throughout	
0.0	12.0	brown tan sandy silt			
		SC-51-W	0		
0.0	12.0	brown tan sandy silt			
		SC-51-S			
0.0	12.0	tan sand, moist			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-52** **Drilling method:** Power Auger

Date Drilled: 12/13/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		SC-52-C	0.5	Composite sample: SC-52 Sample Time: 1545 Notes: Some gravel	
0.0	12.0	tan silty sand			
		SC-52-N	0.2		
0.0	12.0	tan silty sand			
		SC-52-S			
0.0	12.0	tan silty sand			
		SC-52-E			
0.0	12.0	red brown sandy clay			
		SC-52-W			
0.0	12.0	tan silty sand			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-53** **Drilling method:** Power Auger

Date Drilled: 12/13/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-53-C	0	Composite sample: SC-53 Sample Time: 1500 Notes: DUP-3	
0.0	12.0	tan silty sand			
		SC-53-N	0		
0.0	12.0	tan silty sand			
		SC-53-S			
0.0	12.0	tan silty sand			
		SC-53-E			
0.0	12.0	tan silty sand			
		SC-53-W			
0.0	12.0	tan silty sand			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-54** **Drilling method:** Power Auger

Date Drilled: 12/14/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-54-C	0.1	Composite sample: SC-54 Sample Time: 1440 Notes:	
0.0	12.0	brown sandy silt			
		SC-54-N	0		
0.0	12.0	brown sandy silt			
		SC-54-S			
0.0	12.0	brown sandy silt			
		SC-54-E			
0.0	12.0	brown sandy silt			
		SC-54-W			
0.0	12.0	brown sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-55** **Drilling method:** Power Auger

Date Drilled: 12/14/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-55-C	0	Composite sample: SC-55 Sample Time: 1050 Notes:	
0.0	12.0	red brown sandy silt			
		SC-55-N	0.6		
0.0	12.0	brown silty sand			
		SC-55-S			
0.0	12.0	tan coarse sand			
		SC-55-E			
0.0	12.0	tan silty sand			
		SC-55-W			
0.0	12.0	tan coarse sand			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-56** **Drilling method:** Power Auger

Date Drilled: 12/14/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-56-C	0	Composite sample: SC-56 Sample Time: 1130 Notes:	
0.0	12.0	red clay silt			
		SC-56-N	0.1		
0.0	12.0	red clay silt			
		SC-56-W			
0.0	12.0	red clay silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-57** **Drilling method:** Power Auger

Date Drilled: 12/13/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-57-C		Composite sample: No sample collected Sample Time: - Notes: Sample not collected due to landfill debris (metal, plastic, wires)	
0.0	8.0	red clay silt			
		SC-57-W			
0.0	6.0	red clay silt			
		SC-57-S			
0.0	6.0	red clay silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-58** **Drilling method:** Power Auger

Date Drilled: 12/13/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-58-C		Composite sample: No sample collected Sample Time: - Notes: not collected due to coal slag/asphalt, metal	
0.0	12.0	brown sandy silt			
		SC-58-N			
0.0	12.0	brown sandy silt			
		SC-58-S			
0.0	12.0	brown sandy silt			
		SC-58-E			
0.0	12.0	brown sandy silt			
		SC-58-W			
0.0	12.0	brown sandy silt			

Notes:

1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-59** **Drilling method:** Power Auger

Date Drilled: 12/14/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-59-C		Composite sample: No sample collected Sample Time: - Notes: No sample collected due to landfill material (glass, brick, concrete, coal slag, ashpalt)	
		SC-59-N			
		SC-59-S			
		SC-59-E			
		SC-59-W			

Notes:

1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-60** **Drilling method:** Power Auger

Date Drilled: 12/14/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-60-C	0	Composite sample: SC-60 Sample Time: 1030 Notes:	
0.0	12.0	red brown clay silt			
		SC-60-N	0		
0.0	12.0	red brown clay silt			
		SC-60-S			
0.0	12.0	red brown clay silt			
		SC-60-E			
0.0	12.0	red brown clay silt			
		SC-60-W			
0.0	12.0	red brown clay silt, some sand			

Notes:

1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-61** **Drilling method:** Power Auger

Date Drilled: 12/13/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		SC-61-C	0.1	Composite sample: SC-61 Sample Time: 1430 Notes: Some Gravel	
0.0	10.0	brown sandy silt			
		SC-61-W	0.1		
0.0	12.0	brown sandy silt			
		SC-61-S			
0.0	10.0	brown sandy silt			

Notes:

1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-62** **Drilling method:** Power Auger

Date Drilled: 12/13/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		SC-62-S		Composite sample: No sample collected Sample Time: - Notes: Not collected due to landfill material (black coal slag/asphalt)	
		brown silty sand, black coal slag			
		SC-62-E			
		brown silty sand, black coal slag			
		SC-62-W			
		black asphalt / coal			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-63** **Drilling method:** Power Auger

Date Drilled: 12/14/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		SC-63-C	0	Composite sample: SC-63 Sample Time: 1000 Notes:	
0.0	12.0	tan sandy silt / clay			
		SC-63-N	0		
0.0	12.0	tan sandy silt			
		SC-63-S1			
0.0	12.0	tan sandy silt			
		SC-63-S2			
0.0	12.0	tan sandy silt			
		SC-63-E			
0.0	12.0	tan sandy silt			
		SC-63-W			
0.0	12.0	tan sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **SC-64** **Drilling method:** Power Auger

Date Drilled: 12/14/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		SC-64-C		Composite sample: No sample collected Sample Time: - Notes: No sample collected due to landfill debris (black asphalt, wires, ceramics, terra cotta)	
		brown sandy silt			
		SC-64-W			
		brown sandy silt			
		SC-64-S1			
		tan sandy silt			
		SC-64-S2			
		brown sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **BG-1-6"** **Drilling method:** Hand Auger

Date Drilled: 12/21
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		BG-1-6"	0.4	Composite sample: BG-1-6" Sample Time: 0945 Notes:	
0.0	6.0	red brown sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **BG-1-12"** **Drilling method:** Hand Auger

Date Drilled: 12/21
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		BG-1-12"	0.1	Composite sample: BG-1-12" Sample Time: 1000 Notes:	
6.0	12.0	red brown sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **BG-2-6"** **Drilling method:** Hand Auger

Date Drilled: 12/21
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		BG-2-6"	0.1	Composite sample: BG-2-6" Sample Time: 0945 Notes: DUP-7	
0.0	6.0	brown medium sand			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **BG-2-12"** **Drilling method:** Hand Auger

Date Drilled: 12/21
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		BG-2-12"	0.1	Composite sample: BG-2-12" Sample Time: 1010 Notes:	
6.0	12.0	brown medium sand			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **BG-3-6"** **Drilling method:** Hand Auger

Date Drilled: 12/21
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		BG-3-6"	0.5	Composite sample: BG-3-6" Sample Time: 1015 Notes:	
0.0	6.0	red silty clay + sand			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **BG-3-12"** **Drilling method:** Hand Auger

Date Drilled: 12/21
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		BG-3-12"	0.3	Composite sample: BG-3-12" Sample Time: 1020 Notes:	
6.0	12.0	red silty clay + sand			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **BG-4-6"** **Drilling method:** Hand Auger

Date Drilled: 12/21
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		BG-4-6"	0	Composite sample: BG-4-6" Sample Time: 1025 Notes:	
0.0	6.0	red brown sandy clay			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **BG-4-12"** **Drilling method:** Hand Auger

Date Drilled: 12/21
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		BG-4-12"	0.1	Composite sample: BG-4-12" Sample Time: 1030 Notes:	
6.0	12.0	brown tan sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **BG-5-6"** **Drilling method:** Hand Auger

Date Drilled: 12/21
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		BG-5-6"	0.1	Composite sample: BG-5-6" Sample Time: 1035 Notes:	
0.0	3.0	brown sandy silt			
		BG-5-6"			
3.0	6.0	tan medium sand			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **BG-5-12"** **Drilling method:** Hand Auger

Date Drilled: 12/21
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		BG-5-12"	0	Composite sample: BG-5-12" Sample Time: 1040 Notes:	
6.0	12.0	tan silty sand			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **BG-6-6"** **Drilling method:** Hand Auger

Date Drilled: 12/21
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		BG-6-6"	0.2	Composite sample: BG-6-6" Sample Time: 1045 Notes:	
0.0	6.0	red tan sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **BG-6-12"** **Drilling method:** Hand Auger

Date Drilled: 12/21
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		BG-6-12"	0.3	Composite sample: BG-6-12" Sample Time: 1050 Notes:	
6.0	12.0	tan sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **BG-7-6"** **Drilling method:** Hand Auger

Date Drilled: 12/21
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		BG-7-6"	1.1	Composite sample: BG-7-6" Sample Time: 1055 Notes:	
0.0	6.0	tan brown sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **BG-7-12"** **Drilling method:** Hand Auger

Date Drilled: 12/21
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		BG-7-12"	1.5	Composite sample: BG-7-12" Sample Time: 1100 Notes:	
6.0	12.0	red brown sandy silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **BG-8-6"** **Drilling method:** Hand Auger

Date Drilled: 12/21
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		BG-8-6"	1.5	Composite sample: BG-8-6" Sample Time: 1105 Notes:	
0.0	6.0	tan red silty sand			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **BG-8-12"** **Drilling method:**

Date Drilled: 12/21
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		BG-8-12"	0	Composite sample: BG-8-12" Sample Time: 1110 Notes:	
6.0	12.0	tan white silty sand			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: SC-58 / Du Drilling method: Power Auger

Sampling Personnel:MB, BQ, DD

Date Drilled: 2/14/2024

Total Depth:12"

STRATIFICATION

Depth (Inches)		0	PID	Sample No. and Depth	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		SC-58-C	0	Composite sample: SC- SC-58 Sample Time: 1045 Collected Dup #8 from SC-58	
0.0	12.0	brown sandy silt	0		
		SC-58-N	0		
0.0	12.0	brown sandy silt	0		
		SC-58-S	0		
0.0	12.0	brown sandy silt	0		
		SC-58-E	0		
0.0	12.0	brown sandy silt	0		
		SC-58-W	0		
0.0	12.0	brown sandy silt	0		

Boring Number: SC-57 Drilling method: Power Auger

Date Drilled: 2/14/24

Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and Depth	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		SC-57-C		sample: SC-57 Sample Time11:20 - Notes: Sample contained small amounts of landfill debris (metal, plastic, wires)	
0.0	12.0	red clay silt	0		
		SC-57-W			
0.0	12.0	red clay silt	0		
		SC-57-S			
0.0	12.0	red clay silt	0		

Boring Number: SC-59 Drilling method: Power Auger

2/14/2024

Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and Depth	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		SC-59-C		Composite sample: No SC-59 Sample Time: 11:40 - Notes: sample collected contained some small amounts of landfill material (glass, brick, concrete, coal slag, ashpalt)	
0.0	12.0	brown sandy silt	0		
		SC-59-N			
0.0	12.0	brown sandy silt	0		
		SC-59-S			
0.0	12.0	brown sandy silt	0		
		SC-59-E			
0.0	12.0	brown sandy silt	0		
		SC-59-W			
0.0	12.0	brown sandy silt	0		

Boring Number: SC-64 Drilling method: Power Auger

Date Drilled: 2/14/24

Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and Depth	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		SC-64-C		Composite sample: No SC-64 Sample Time: 12:20 - Notes: sample collected Contained small amounts of landfill debris (black asphalt, ceramics, terra cotta)	
0.0	12.0	brown sandy silt	0		
		SC-64-W			
0.0	12.0	brown sandy silt	0		
		SC-64-S1			
0.0	12.0	tan sandy silt	0		
		SC-64-S2			
0.0	12.0	brown sandy silt	0		

Boring Number: SC-62 Drilling method: Power Auger

Date Drilled: 12/13/23

Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and Depth	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		SC-62-S		Composite sample: Sample Time12:40 - Notes: Sample collected contained small amounts of landfill material (black coal slag/asphalt)	
0.0	12.0	brown silty sand,	0		
		SC-62-E			
0.0	12.0	brown silty sand,	0		
		SC-62-W			
0.0	12.0	black asphalt / coal	0		

REVOLUTION PARK SAMPLES

Boring Number: BG-101 **Drilling method:** Power Auger

Date Drilled: 2/15/2024
Total Depth: 6"- 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and Depth	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		BG-101	0.1	Composite sample: BG-101 Sample Time 09:50 Notes:	
6.0	12.0	brown medium sand			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: BG-102 **Drilling method:** Power Auger

Date Drilled: 2/15/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and Depth	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		BG-102	0	Composite sample: BG-101 Sample Time: 10:00 Notes: .	
6"	12"	brown medium sand			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: BG-103 **Drilling method:** Power Auger

Date Drilled: 2/15/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and Depth	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		BG-103	0	Composite sample: BG-103 Sample Time: 1010 Notes: .	
6"	12"	light brown sandy			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: BG-104 **Drilling method:** Power Auger

Date Drilled: 2/15/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and Depth	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		BG-104	0	Composite sample: BG-104 Sample Time: 1015 Notes:	
6"	12"	light brown sandy			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: BG-105 **Drilling method:** Power Auger

Date Drilled: 2/15/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and Depth	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		BG-105	0	Composite sample: BG-105 Sample Time:1025 Notes:	
6"	12"	light brown sandy			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: BG-106 **Drilling method:** Power Auger

Date Drilled: 2/15/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and Depth	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		BG-106	0	Composite sample: BG-106 Sample Time:1030 Notes:	
6"	12"	light brown sandy			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: BG-107 **Drilling method:** Power Auger

Date Drilled: 2/15/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and Depth	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		BG-107	0	Composite sample: BG-107 Sample Time:1035 Notes: Stream over flowed area	
6"	12"	light brown sandy			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: BG-108 **Drilling method:** Power Auger

Date Drilled: 2/15/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and Depth	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		BG-108	0	Composite sample: BG-108 Sample Time:1040 Notes:Stream over flowed area	
6"	12"	silt			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: BG-109 **Drilling method:** Power Auger

Date Drilled: 2/15/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and Depth	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		BG-109	0	Composite sample: BG-109 Sample Time:1045 Notes Stream over flowed area	
6"	12"	light brown sandy			

Notes:

1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: BG-110 **Drilling method:** Power Auger

Date Drilled: 2/15/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and Depth	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		BG-110	0	Composite sample: BG-110 Sample Time:1050 Notes: Stream over flowed area	
6"	12"	light brown sandy			

Notes:

1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: BG-111 **Drilling method:** Power Auger

Date Drilled: 2/15/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and Depth	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		BG-111	0	Composite sample: BG-111 Sample Time:1055 Notes:	
6"	12"	light brown sandy			

Notes:

1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: BG-112 **Drilling method:** Power Auger

Date Drilled: 2/15/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and Depth	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		BG-112	0	Composite sample: BG-112 Sample Time:1100 Notes: Stream over flowed area	
6"	12"	light brown sandy			

Notes:

1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: BG-113 **Drilling method:** Power Auger

Date Drilled: 2/15/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and Depth	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		BG-113	0		
6"	12"	light brown sandy			

Composite sample: BG-113
Sample Time:1105
Notes:

Boring Number: BG-114 **Drilling method:** Power Auger

Date Drilled: 2/15/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and Depth	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		BG-114	0		
6"	12"	light brown sandy			

Composite sample: BG-114
Sample Time:1110
Notes:

CLANTON PARK BORING LOGS

Boring Number: BG-115 **Drilling method:** Power Auger

Date Drilled: 2/15/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and Depth	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		BG-115	0		
6"	12"	light brown sandy			

Composite sample: BG-115
Sample Time:1225
Notes:Dup #9 collected at BG-115

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: BG-116 **Drilling method:** Power Auger

Date Drilled: 2/15/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and Depth	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		BG-116	0		
6"	12"	light brown sandy			

Composite sample: BG-116
Sample Time:1234
Notes:

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: BG-117 **Drilling method:** Power Auger

Date Drilled: 2/15/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and Depth	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		BG-117	0		
6"	12"	light brown sandy			

Composite sample: BG-117
Sample Time:1243
Notes:

Boring Number: BG-118 **Drilling method:** Power Auger

Date Drilled: 2/15/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		BG-118	0	Composite sample: BG-118 Sample Time:1250 Notes:	
6"	12"	light brown sandy			

Boring Number: BG-119 **Drilling method:** Power Auger

Date Drilled: 2/15/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		BG-119	0	Composite sample: BG-119 Sample Time:1257 Notes: Stream over flowed area	
6"	12"	light brown sandy			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: BG-120 **Drilling method:** Power Auger

Date Drilled: 2/15/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		BG-120	0	Composite sample: BG-120 Sample Time:1302 Notes: Stream over flowed area	
6"	12"	light brown sandy			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: BG-121 **Drilling method:** Power Auger

Date Drilled: 2/15/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		BG-121	0	Composite sample: BG-121 Sample Time:1306 Notes: Stream over flowed area	
6"	12"	light brown sandy			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: BG-122 **Drilling method:** Power Auger

Date Drilled: 2/15/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (Ft-BGS)
		BG-122	0	Composite sample: BG-122 Sample Time:1315 Notes:	
6"	12"	light brown sandy			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **BG-123** **Drilling method:** Power Auger

Date Drilled: 2/15/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and Depth	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		BG-123	0	Composite sample: BG-122 Sample Time:1320 Notes:	
6"	12"	light brown sandy			

Notes:

1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Boring Number: **BG-124** **Drilling method:** Power Auger

Date Drilled: 2/15/23
Total Depth: 12"

STRATIFICATION

Depth (Inches)			PID	Sample No. and Depth	
From	To	Soil Description	Reading (ppm)	Sample No.	Depth (Ft-BGS)
		BG-124	0	Composite sample: BG-124 Sample Time:1325 Notes:	
6"	12"	light brown sandy			

Notes:

1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. PPM: parts per million (volume/volume)

Appendix III – NCDEQ Risk Calculator Outputs

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	February 2024
Basis:	November 2023 EPA RSL Table
Site Name:	Southside Park Landfill
Site Address:	Remont Road, Charlotte, Mecklenburg County, North Carolina
DEQ Section:	Pre-Regulatory Landfill Unit
Site ID:	NONCD0000807
Exposure Unit ID:	Soil Cover-Run 1: Removed Grids >200 mg/kg & Levels < RSLs
Submittal Date:	8/8/2024
Prepared By:	Connor Hicks
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Soil Cover-Run 1: Removed Grids >200 mg/kg & Levels < RSLs

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Risk Calculator Run 1: Removed grids exceeding residential risk for lead (>200 mg/kg): SC-2, SC-3, SC-58, SC-59, SC-61, SC-62, SC-64, BG-4 12" and DUP-8 (SC-58). Removed constituents below USEPA Regional Screening Levels (RSL). The USEPA RSL for pyrene was used as a surrogate for phenanthrene. The RSL was not exceeded for the cumulative total phenanthrene and pyrene detections; phenanthrene and pyrene were not input into the NCDEQ Risk Calculator. Vanadium highest concentration SC-53 has an RPD under 50%, the average of SC-53 and DUP-3 was input into the risk calculator. Benzo(a)pyrene highest concentration DUP-7 has an RPD over 50%, so the highest concentration between DUP-7 and BG-2 6" was input into the risk calculator. Cadmiums highest concentration DUP-7 has an RPD under 50%, the average of DUP-7 and BG-2-6" was input into the risk calculator.

NOTE: If the chemical list is changed from a prior calculator run, remember to select "See All Chemicals" on the data output sheet or newly added chemicals will not be included in risk calculations

Exposure Point Concentration (mg/kg)	Notes:	CAS Number	Chemical **For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu**	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
19.2		7664-41-7	Ammonia			mg/kg	SC-25									
3.46		7440-36-0	Antimony (metallic)			mg/kg	SC-51									
17.3		7440-38-2	Arsenic, Inorganic			mg/kg	SC-51									
0.876		7440-43-9	Cadmium (Diet)			mg/kg	DUP-7/BG-2 6"									
2.36		18540-29-9	Chromium(VI)			mg/kg	SC-35									
88.6		7440-48-4	Cobalt			mg/kg	BG-8 6"									
183		7439-92-1	~Lead and Compounds			mg/kg	SC-51									
1110		7439-96-5	Manganese (Non-diet)			mg/kg	SC-50									
1.15		50-32-8	~Benzo[a]pyrene			mg/kg	DUP-7 (BG-2 6")									
2.47		205-99-2	~Benzo[b]fluoranthene			mg/kg	BG-2 6"									
0.166		7440-28-0	Thallium (Soluble Salts)			mg/kg	SC-40									
128.5		7440-62-2	Vanadium and Compounds			mg/kg	SC-53/DUP-3									

Risk for Individual Pathways **Output Form 1A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Soil Cover-Run 1: Removed Grids >200 mg/kg & Levels < RSLs

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	4.5E-05	5.7E+00	YES
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

Pathway	Source	Target Receptor Concentrations Exceeded?	
Groundwater	Source Soil	Exceedence of 2L at Receptor?	NC
	Source Groundwater	Exceedence of 2L at Receptor?	NC
Surface Water	Source Soil	Exceedence of 2B at Receptor?	NC
	Source Groundwater	Exceedence of 2B at Receptor?	NC

Notes:

1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.

2. * = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
3. NM = Not modeled, user did not check this pathway as complete.
4. NC = Pathway not calculated, required contaminant migration parameters were not entered.

DEQ Risk Calculator - Direct Contact - Resident Soil **Output Form 2A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Soil Cover-Run 1: Removed Grids >200 mg/kg & Levels < RSLs

** - Note that inhalation on this calculator refers to outdoor inhalation of volatiles and particulates, not indoor inhalation associated with vapor intrusion.*

*** - Note that the EPA has no consensus on reference dose or cancer slope factor values for lead, therefore it is not possible to calculate cancer risk or hazard quotient. Lead concentrations are compared to the EPA screening level of 200 mg/kg for residential soil. If it has been demonstrated that additional sources of lead are present (e.g., lead water service lines or lead-based paint), the EPA screening level is 100 mg/kg, which is used below for comparison to be conservative.*

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk*	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient*	Calculated Non-Carcinogenic Hazard Quotient
7664-41-7	Ammonia	19.2	19.2	19.2							6.2E-10	6.2E-10
7440-36-0	Antimony (metallic)	3.46	3.46	3.46					1.1E-01		1.9E-07	1.1E-01
7440-38-2	Arsenic, Inorganic	17.3	17.3	17.3	**2.2E-05**	**3.2E-06**	4.5E-10	2.6E-05	**4.4E-01**	5.2E-02	1.9E-05	**4.9E-01**
7440-43-9	Cadmium (Diet)	0.876	0.876	0.876			9.5E-12	9.5E-12	1.1E-01	1.1E-02	1.4E-06	1.2E-01
18540-29-9	Chromium(VI)	2.36	2.36	2.36	**7.7E-06**		3.3E-09	7.7E-06	1.0E-02		3.8E-07	1.0E-02
7440-48-4	Cobalt	88.6	88.6	88.6			4.8E-09	4.8E-09	**3.8E+00**		2.4E-04	**3.8E+00**
7439-92-1	~Lead and Compounds	183	183	183					**>SL****	**>SL****	**>SL****	
7439-96-5	Manganese (Non-diet)	1110	1110	1110					**5.9E-01**		3.6E-04	**5.9E-01**
50-32-8	~Benzo[a]pyrene	1.15	1.15	1.15	**7.5E-06**	**2.5E-06**	1.1E-11	1.0E-05	4.9E-02	1.5E-02	9.3E-06	6.4E-02
205-99-2	~Benzo[b]fluoranthene	2.47	2.47	2.47	**1.6E-06**	5.4E-07	2.5E-12	2.2E-06				
7440-28-0	Thallium (Soluble Salts)	0.166	0.166	0.166					**2.1E-01**			**2.1E-01**
7440-62-2	Vanadium and Compounds	128.5	128.5	128.5					**3.3E-01**		2.1E-05	**3.3E-01**
						Cumulative:		4.5E-05				**5.7E+00**

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	February 2024
Basis:	November 2023 EPA RSL Table
Site Name:	Southside Park Landfill
Site Address:	Remont Road, Charlotte, Mecklenburg County, North Carolina
DEQ Section:	Pre-Regulatory Landfill Unit
Site ID:	NONCD0000807
Exposure Unit ID:	Soil Cover Run 2: Target Cobalt
Submittal Date:	8/8/2024
Prepared By:	Connor Hicks
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Soil Cover Run 2: Target Cobalt

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Risk Calculator Run 2: Remove BG-8 6" targeting cobalt

NOTE: If the chemical list is changed from a prior calculator run, remember to select "See All Chemicals" on the data output sheet or newly added chemicals will not be included in risk calculations

Exposure Point Concentration (mg/kg)	Notes:	CAS Number	Chemical **For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu**	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
19.2		7664-41-7	Ammonia			mg/kg	SC-25									
3.46		7440-36-0	Antimony (metallic)			mg/kg	SC-51									
17.3		7440-38-2	Arsenic, Inorganic			mg/kg	SC-51									
0.876		7440-43-9	Cadmium (Diet)			mg/kg	DUP-7/BG-2 6"									
2.36		18540-29-9	Chromium(VI)			mg/kg	SC-35									
35.2		7440-48-4	Cobalt			mg/kg	SC-13									
183		7439-92-1	~Lead and Compounds			mg/kg	SC-51									
1110		7439-96-5	Manganese (Non-diet)			mg/kg	SC-50									
1.15		50-32-8	~Benzo[a]pyrene			mg/kg	DUP-7 (BG-2 6")									
2.47		205-99-2	~Benzo[b]fluoranthene			mg/kg	BG-2 6"									
0.166		7440-28-0	Thallium (Soluble Salts)			mg/kg	SC-40									
128.5		7440-62-2	Vanadium and Compounds			mg/kg	SC-53/DUP-3									

Risk for Individual Pathways **Output Form 1A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Soil Cover Run 2: Target Cobalt

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	4.5E-05	3.4E+00	YES
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

Pathway	Source	Target Receptor Concentrations Exceeded?	
Groundwater	Source Soil	Exceedence of 2L at Receptor?	NC
	Source Groundwater	Exceedence of 2L at Receptor?	NC
Surface Water	Source Soil	Exceedence of 2B at Receptor?	NC
	Source Groundwater	Exceedence of 2B at Receptor?	NC

Notes:

1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.

2. * = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
3. NM = Not modeled, user did not check this pathway as complete.
4. NC = Pathway not calculated, required contaminant migration parameters were not entered.

DEQ Risk Calculator - Direct Contact - Resident Soil **Output Form 2A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Soil Cover Run 2: Target Cobalt

** - Note that inhalation on this calculator refers to outdoor inhalation of volatiles and particulates, not indoor inhalation associated with vapor intrusion.*

*** - Note that the EPA has no consensus on reference dose or cancer slope factor values for lead, therefore it is not possible to calculate cancer risk or hazard quotient. Lead concentrations are compared to the EPA screening level of 200 mg/kg for residential soil. If it has been demonstrated that additional sources of lead are present (e.g., lead water service lines or lead-based paint), the EPA screening level is 100 mg/kg, which is used below for comparison to be conservative.*

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk*	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient*	Calculated Non-Carcinogenic Hazard Quotient
7664-41-7	Ammonia	19.2	19.2	19.2							6.2E-10	6.2E-10
7440-36-0	Antimony (metallic)	3.46	3.46	3.46					1.1E-01		1.9E-07	1.1E-01
7440-38-2	Arsenic, Inorganic	17.3	17.3	17.3	**2.2E-05**	**3.2E-06**	4.5E-10	2.6E-05	**4.4E-01**	5.2E-02	1.9E-05	**4.9E-01**
7440-43-9	Cadmium (Diet)	0.876	0.876	0.876			9.5E-12	9.5E-12	1.1E-01	1.1E-02	1.4E-06	1.2E-01
18540-29-9	Chromium(VI)	2.36	2.36	2.36	**7.7E-06**		3.3E-09	7.7E-06	1.0E-02		3.8E-07	1.0E-02
7440-48-4	Cobalt	35.2	35.2	35.2			1.9E-09	1.9E-09	**1.5E+00**		9.5E-05	**1.5E+00**
7439-92-1	~Lead and Compounds	183	183	183					**>SL****	**>SL****	**>SL****	
7439-96-5	Manganese (Non-diet)	1110	1110	1110					**5.9E-01**		3.6E-04	**5.9E-01**
50-32-8	~Benzo[a]pyrene	1.15	1.15	1.15	**7.5E-06**	**2.5E-06**	1.1E-11	1.0E-05	4.9E-02	1.5E-02	9.3E-06	6.4E-02
205-99-2	~Benzo[b]fluoranthene	2.47	2.47	2.47	**1.6E-06**	5.4E-07	2.5E-12	2.2E-06				
7440-28-0	Thallium (Soluble Salts)	0.166	0.166	0.166					**2.1E-01**			**2.1E-01**
7440-62-2	Vanadium and Compounds	128.5	128.5	128.5					**3.3E-01**		2.1E-05	**3.3E-01**
						Cumulative:		4.5E-05				**3.4E+00**

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	February 2024
Basis:	November 2023 EPA RSL Table
Site Name:	Southside Park Landfill
Site Address:	Remont Road, Charlotte, Mecklenburg County, North Carolina
DEQ Section:	Pre-Regulatory Landfill Unit
Site ID:	NONCD0000807
Exposure Unit ID:	Soil Cover Run 3: Target Cobalt
Submittal Date:	8/8/2024
Prepared By:	Connor Hicks
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Soil Cover Run 3: Target Cobalt

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Risk Calculator Run 3: Remove SC-13 targeting cobalt. Cobalt highest concentration DUP-2 has an RDP over 50%, the highest concentration between DUP-2 and the corresponding sample location SC-15 was input into the risk calculator.

NOTE: If the chemical list is changed from a prior calculator run, remember to select "See All Chemicals" on the data output sheet or newly added chemicals will not be included in risk calculations

Exposure Point Concentration (mg/kg)	Notes:	CAS Number	Chemical **For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu**	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
19.2		7664-41-7	Ammonia			mg/kg	SC-25									
3.46		7440-36-0	Antimony (metallic)			mg/kg	SC-51									
17.3		7440-38-2	Arsenic, Inorganic			mg/kg	SC-51									
0.876		7440-43-9	Cadmium (Diet)			mg/kg	DUP-7/BG-2 6"									
2.36		18540-29-9	Chromium(VI)			mg/kg	SC-35									
34.2		7440-48-4	Cobalt			mg/kg	DUP-2 (SC-15)									
183		7439-92-1	~Lead and Compounds			mg/kg	SC-51									
1110		7439-96-5	Manganese (Non-diet)			mg/kg	SC-50									
1.15		50-32-8	~Benzo[a]pyrene			mg/kg	DUP-7 (BG-2 6")									
2.47		205-99-2	~Benzo[b]fluoranthene			mg/kg	BG-2 6"									
0.166		7440-28-0	Thallium (Soluble Salts)			mg/kg	SC-40									
128.5		7440-62-2	Vanadium and Compounds			mg/kg	SC-53/DUP-3									

Risk for Individual Pathways **Output Form 1A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Soil Cover Run 3: Target Cobalt

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	4.5E-05	3.4E+00	YES
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

Pathway	Source	Target Receptor Concentrations Exceeded?	
Groundwater	Source Soil	Exceedence of 2L at Receptor?	NC
	Source Groundwater	Exceedence of 2L at Receptor?	NC
Surface Water	Source Soil	Exceedence of 2B at Receptor?	NC
	Source Groundwater	Exceedence of 2B at Receptor?	NC

Notes:

1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.

2. * = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
3. NM = Not modeled, user did not check this pathway as complete.
4. NC = Pathway not calculated, required contaminant migration parameters were not entered.

DEQ Risk Calculator - Direct Contact - Resident Soil **Output Form 2A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Soil Cover Run 3: Target Cobalt

** - Note that inhalation on this calculator refers to outdoor inhalation of volatiles and particulates, not indoor inhalation associated with vapor intrusion.*

*** - Note that the EPA has no consensus on reference dose or cancer slope factor values for lead, therefore it is not possible to calculate cancer risk or hazard quotient. Lead concentrations are compared to the EPA screening level of 200 mg/kg for residential soil. If it has been demonstrated that additional sources of lead are present (e.g., lead water service lines or lead-based paint), the EPA screening level is 100 mg/kg, which is used below for comparison to be conservative.*

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk*	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient*	Calculated Non-Carcinogenic Hazard Quotient
7664-41-7	Ammonia	19.2	19.2	19.2							6.2E-10	6.2E-10
7440-36-0	Antimony (metallic)	3.46	3.46	3.46					1.1E-01		1.9E-07	1.1E-01
7440-38-2	Arsenic, Inorganic	17.3	17.3	17.3	**2.2E-05**	**3.2E-06**	4.5E-10	2.6E-05	**4.4E-01**	5.2E-02	1.9E-05	**4.9E-01**
7440-43-9	Cadmium (Diet)	0.876	0.876	0.876			9.5E-12	9.5E-12	1.1E-01	1.1E-02	1.4E-06	1.2E-01
18540-29-9	Chromium(VI)	2.36	2.36	2.36	**7.7E-06**		3.3E-09	7.7E-06	1.0E-02		3.8E-07	1.0E-02
7440-48-4	Cobalt	34.2	34.2	34.2			1.8E-09	1.8E-09	**1.5E+00**		9.2E-05	**1.5E+00**
7439-92-1	~Lead and Compounds	183	183	183					**>SL****	**>SL****	**>SL****	
7439-96-5	Manganese (Non-diet)	1110	1110	1110					**5.9E-01**		3.6E-04	**5.9E-01**
50-32-8	~Benzo[a]pyrene	1.15	1.15	1.15	**7.5E-06**	**2.5E-06**	1.1E-11	1.0E-05	4.9E-02	1.5E-02	9.3E-06	6.4E-02
205-99-2	~Benzo[b]fluoranthene	2.47	2.47	2.47	**1.6E-06**	5.4E-07	2.5E-12	2.2E-06				
7440-28-0	Thallium (Soluble Salts)	0.166	0.166	0.166					**2.1E-01**			**2.1E-01**
7440-62-2	Vanadium and Compounds	128.5	128.5	128.5					**3.3E-01**		2.1E-05	**3.3E-01**
						Cumulative:		4.5E-05				**3.4E+00**

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	February 2024
Basis:	November 2023 EPA RSL Table
Site Name:	Southside Park Landfill
Site Address:	Remont Road, Charlotte, Mecklenburg County, North Carolina
DEQ Section:	Pre-Regulatory Landfill Unit
Site ID:	NONCD0000807
Exposure Unit ID:	Soil Cover Run 4: Target Cobalt
Submittal Date:	8/8/2024
Prepared By:	Connor Hicks
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Soil Cover Run 4: Target Cobalt

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Risk Calculator Run 4: Remove DUP-2 targeting cobalt. Cobalt highest concentration DUP-1 has an RPD over 50%, the highest concentration between DUP-1 and the corresponding sample location SC-08 was input into the risk calculator.

NOTE: If the chemical list is changed from a prior calculator run, remember to select "See All Chemicals" on the data output sheet or newly added chemicals will not be included in risk calculations

Exposure Point Concentration (mg/kg)	Notes:	CAS Number	Chemical **For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu**	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
19.2		7664-41-7	Ammonia			mg/kg	SC-25									
3.46		7440-36-0	Antimony (metallic)			mg/kg	SC-51									
17.3		7440-38-2	Arsenic, Inorganic			mg/kg	SC-51									
0.876		7440-43-9	Cadmium (Diet)			mg/kg	DUP-7/BG-2 6"									
2.36		18540-29-9	Chromium(VI)			mg/kg	SC-35									
31.9		7440-48-4	Cobalt			mg/kg	DUP-1 (SC-8)									
183		7439-92-1	~Lead and Compounds			mg/kg	SC-51									
1110		7439-96-5	Manganese (Non-diet)			mg/kg	SC-50									
1.15		50-32-8	~Benzo[a]pyrene			mg/kg	DUP-7 (BG-2 6")									
2.47		205-99-2	~Benzo[b]fluoranthene			mg/kg	BG-2 6"									
0.166		7440-28-0	Thallium (Soluble Salts)			mg/kg	SC-40									
128.5		7440-62-2	Vanadium and Compounds			mg/kg	SC-53/DUP-3									

Risk for Individual Pathways **Output Form 1A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Soil Cover Run 4: Target Cobalt

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	4.5E-05	3.3E+00	YES
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

Pathway	Source	Target Receptor Concentrations Exceeded?	
Groundwater	Source Soil	Exceedence of 2L at Receptor?	NC
	Source Groundwater	Exceedence of 2L at Receptor?	NC
Surface Water	Source Soil	Exceedence of 2B at Receptor?	NC
	Source Groundwater	Exceedence of 2B at Receptor?	NC

Notes:

1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.

2. * = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
3. NM = Not modeled, user did not check this pathway as complete.
4. NC = Pathway not calculated, required contaminant migration parameters were not entered.

DEQ Risk Calculator - Direct Contact - Resident Soil **Output Form 2A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Soil Cover Run 4: Target Cobalt

** - Note that inhalation on this calculator refers to outdoor inhalation of volatiles and particulates, not indoor inhalation associated with vapor intrusion.*

*** - Note that the EPA has no consensus on reference dose or cancer slope factor values for lead, therefore it is not possible to calculate cancer risk or hazard quotient. Lead concentrations are compared to the EPA screening level of 200 mg/kg for residential soil. If it has been demonstrated that additional sources of lead are present (e.g., lead water service lines or lead-based paint), the EPA screening level is 100 mg/kg, which is used below for comparison to be conservative.*

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk*	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient*	Calculated Non-Carcinogenic Hazard Quotient
7664-41-7	Ammonia	19.2	19.2	19.2							6.2E-10	6.2E-10
7440-36-0	Antimony (metallic)	3.46	3.46	3.46					1.1E-01		1.9E-07	1.1E-01
7440-38-2	Arsenic, Inorganic	17.3	17.3	17.3	**2.2E-05**	**3.2E-06**	4.5E-10	2.6E-05	**4.4E-01**	5.2E-02	1.9E-05	**4.9E-01**
7440-43-9	Cadmium (Diet)	0.876	0.876	0.876			9.5E-12	9.5E-12	1.1E-01	1.1E-02	1.4E-06	1.2E-01
18540-29-9	Chromium(VI)	2.36	2.36	2.36	**7.7E-06**		3.3E-09	7.7E-06	1.0E-02		3.8E-07	1.0E-02
7440-48-4	Cobalt	31.9	31.9	31.9			1.7E-09	1.7E-09	**1.4E+00**		8.6E-05	**1.4E+00**
7439-92-1	~Lead and Compounds	183	183	183					**>SL****	**>SL****	**>SL****	
7439-96-5	Manganese (Non-diet)	1110	1110	1110					**5.9E-01**		3.6E-04	**5.9E-01**
50-32-8	~Benzo[a]pyrene	1.15	1.15	1.15	**7.5E-06**	**2.5E-06**	1.1E-11	1.0E-05	4.9E-02	1.5E-02	9.3E-06	6.4E-02
205-99-2	~Benzo[b]fluoranthene	2.47	2.47	2.47	**1.6E-06**	5.4E-07	2.5E-12	2.2E-06				
7440-28-0	Thallium (Soluble Salts)	0.166	0.166	0.166					**2.1E-01**			**2.1E-01**
7440-62-2	Vanadium and Compounds	128.5	128.5	128.5					**3.3E-01**		2.1E-05	**3.3E-01**
						Cumulative:		4.5E-05				**3.3E+00**

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	February 2024
Basis:	November 2023 EPA RSL Table
Site Name:	Southside Park Landfill
Site Address:	Remont Road, Charlotte, Mecklenburg County, North Carolina
DEQ Section:	Pre-Regulatory Landfill Unit
Site ID:	NONCD0000807
Exposure Unit ID:	Soil Cover Run 5: Target Cobalt
Submittal Date:	8/8/2024
Prepared By:	Connor Hicks
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Soil Cover Run 5: Target Cobalt

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Risk Calculator Run 4: Remove DUP-1 targeting cobalt

NOTE: If the chemical list is changed from a prior calculator run, remember to select "See All Chemicals" on the data output sheet or newly added chemicals will not be included in risk calculations

Exposure Point Concentration (mg/kg)	Notes:	CAS Number	Chemical **For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu**	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
19.2		7664-41-7	Ammonia			mg/kg	SC-25									
3.46		7440-36-0	Antimony (metallic)			mg/kg	SC-51									
17.3		7440-38-2	Arsenic, Inorganic			mg/kg	SC-51									
0.876		7440-43-9	Cadmium (Diet)			mg/kg	DUP-7/BG-2 6"									
2.36		18540-29-9	Chromium(VI)			mg/kg	SC-35									
27.2		7440-48-4	Cobalt			mg/kg	SC-17									
183		7439-92-1	~Lead and Compounds			mg/kg	SC-51									
1110		7439-96-5	Manganese (Non-diet)			mg/kg	SC-50									
1.15		50-32-8	~Benzo[a]pyrene			mg/kg	DUP-7 (BG-2 6")									
2.47		205-99-2	~Benzo[b]fluoranthene			mg/kg	BG-2 6"									
0.166		7440-28-0	Thallium (Soluble Salts)			mg/kg	SC-40									
128.5		7440-62-2	Vanadium and Compounds			mg/kg	SC-53/DUP-3									

Risk for Individual Pathways **Output Form 1A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Soil Cover Run 5: Target Cobalt

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	4.5E-05	3.1E+00	YES
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

Pathway	Source	Target Receptor Concentrations Exceeded?	
Groundwater	Source Soil	Exceedence of 2L at Receptor?	NC
	Source Groundwater	Exceedence of 2L at Receptor?	NC
Surface Water	Source Soil	Exceedence of 2B at Receptor?	NC
	Source Groundwater	Exceedence of 2B at Receptor?	NC

Notes:

1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.

2. * = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
3. NM = Not modeled, user did not check this pathway as complete.
4. NC = Pathway not calculated, required contaminant migration parameters were not entered.

DEQ Risk Calculator - Direct Contact - Resident Soil **Output Form 2A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Soil Cover Run 5: Target Cobalt

** - Note that inhalation on this calculator refers to outdoor inhalation of volatiles and particulates, not indoor inhalation associated with vapor intrusion.*

*** - Note that the EPA has no consensus on reference dose or cancer slope factor values for lead, therefore it is not possible to calculate cancer risk or hazard quotient. Lead concentrations are compared to the EPA screening level of 200 mg/kg for residential soil. If it has been demonstrated that additional sources of lead are present (e.g., lead water service lines or lead-based paint), the EPA screening level is 100 mg/kg, which is used below for comparison to be conservative.*

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk*	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient*	Calculated Non-Carcinogenic Hazard Quotient
7664-41-7	Ammonia	19.2	19.2	19.2							6.2E-10	6.2E-10
7440-36-0	Antimony (metallic)	3.46	3.46	3.46					1.1E-01		1.9E-07	1.1E-01
7440-38-2	Arsenic, Inorganic	17.3	17.3	17.3	**2.2E-05**	**3.2E-06**	4.5E-10	2.6E-05	**4.4E-01**	5.2E-02	1.9E-05	**4.9E-01**
7440-43-9	Cadmium (Diet)	0.876	0.876	0.876			9.5E-12	9.5E-12	1.1E-01	1.1E-02	1.4E-06	1.2E-01
18540-29-9	Chromium(VI)	2.36	2.36	2.36	**7.7E-06**		3.3E-09	7.7E-06	1.0E-02		3.8E-07	1.0E-02
7440-48-4	Cobalt	27.2	27.2	27.2			1.5E-09	1.5E-09	**1.2E+00**		7.3E-05	**1.2E+00**
7439-92-1	~Lead and Compounds	183	183	183					**>SL****	**>SL****	**>SL****	
7439-96-5	Manganese (Non-diet)	1110	1110	1110					**5.9E-01**		3.6E-04	**5.9E-01**
50-32-8	~Benzo[a]pyrene	1.15	1.15	1.15	**7.5E-06**	**2.5E-06**	1.1E-11	1.0E-05	4.9E-02	1.5E-02	9.3E-06	6.4E-02
205-99-2	~Benzo[b]fluoranthene	2.47	2.47	2.47	**1.6E-06**	5.4E-07	2.5E-12	2.2E-06				
7440-28-0	Thallium (Soluble Salts)	0.166	0.166	0.166					**2.1E-01**			**2.1E-01**
7440-62-2	Vanadium and Compounds	128.5	128.5	128.5					**3.3E-01**		2.1E-05	**3.3E-01**
						Cumulative:		4.5E-05				**3.1E+00**

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	February 2024
Basis:	November 2023 EPA RSL Table
Site Name:	Southside Park Landfill
Site Address:	Remont Road, Charlotte, Mecklenburg County, North Carolina
DEQ Section:	Pre-Regulatory Landfill Unit
Site ID:	NONCD0000807
Exposure Unit ID:	Soil Cover Run 6: Target Cobalt
Submittal Date:	8/9/2024
Prepared By:	Connor Hicks
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Soil Cover Run 6: Target Cobalt

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Risk Calculator Run 4: Remove SC-17 targeting cobalt

NOTE: If the chemical list is changed from a prior calculator run, remember to select "See All Chemicals" on the data output sheet or newly added chemicals will not be included in risk calculations

Exposure Point Concentration (mg/kg)	Notes:	CAS Number	Chemical **For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu**	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
19.2		7664-41-7	Ammonia			mg/kg	SC-25									
3.46		7440-36-0	Antimony (metallic)			mg/kg	SC-51									
17.3		7440-38-2	Arsenic, Inorganic			mg/kg	SC-51									
0.876		7440-43-9	Cadmium (Diet)			mg/kg	DUP-7/BG-2 6"									
2.36		18540-29-9	Chromium(VI)			mg/kg	SC-35									
26.6		7440-48-4	Cobalt			mg/kg	SC-50									
183		7439-92-1	~Lead and Compounds			mg/kg	SC-51									
1110		7439-96-5	Manganese (Non-diet)			mg/kg	SC-50									
1.15		50-32-8	~Benzo[a]pyrene			mg/kg	DUP-7 (BG-2 6")									
2.47		205-99-2	~Benzo[b]fluoranthene			mg/kg	BG-2 6"									
0.166		7440-28-0	Thallium (Soluble Salts)			mg/kg	SC-40									
128.5		7440-62-2	Vanadium and Compounds			mg/kg	SC-53/DUP-3									

Risk for Individual Pathways **Output Form 1A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Soil Cover Run 6: Target Cobalt

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	4.5E-05	3.1E+00	YES
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

Pathway	Source	Target Receptor Concentrations Exceeded?	
Groundwater	Source Soil	Exceedence of 2L at Receptor?	NC
	Source Groundwater	Exceedence of 2L at Receptor?	NC
Surface Water	Source Soil	Exceedence of 2B at Receptor?	NC
	Source Groundwater	Exceedence of 2B at Receptor?	NC

Notes:

1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.

2. * = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
3. NM = Not modeled, user did not check this pathway as complete.
4. NC = Pathway not calculated, required contaminant migration parameters were not entered.

DEQ Risk Calculator - Direct Contact - Resident Soil **Output Form 2A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Soil Cover Run 6: Target Cobalt

** - Note that inhalation on this calculator refers to outdoor inhalation of volatiles and particulates, not indoor inhalation associated with vapor intrusion.*

*** - Note that the EPA has no consensus on reference dose or cancer slope factor values for lead, therefore it is not possible to calculate cancer risk or hazard quotient. Lead concentrations are compared to the EPA screening level of 200 mg/kg for residential soil. If it has been demonstrated that additional sources of lead are present (e.g., lead water service lines or lead-based paint), the EPA screening level is 100 mg/kg, which is used below for comparison to be conservative.*

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk*	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient*	Calculated Non-Carcinogenic Hazard Quotient
7664-41-7	Ammonia	19.2	19.2	19.2							6.2E-10	6.2E-10
7440-36-0	Antimony (metallic)	3.46	3.46	3.46					1.1E-01		1.9E-07	1.1E-01
7440-38-2	Arsenic, Inorganic	17.3	17.3	17.3	**2.2E-05**	**3.2E-06**	4.5E-10	2.6E-05	**4.4E-01**	5.2E-02	1.9E-05	**4.9E-01**
7440-43-9	Cadmium (Diet)	0.876	0.876	0.876			9.5E-12	9.5E-12	1.1E-01	1.1E-02	1.4E-06	1.2E-01
18540-29-9	Chromium(VI)	2.36	2.36	2.36	**7.7E-06**		3.3E-09	7.7E-06	1.0E-02		3.8E-07	1.0E-02
7440-48-4	Cobalt	26.6	26.6	26.6			1.4E-09	1.4E-09	**1.1E+00**		7.2E-05	**1.1E+00**
7439-92-1	~Lead and Compounds	183	183	183					**>SL****	**>SL****	**>SL****	
7439-96-5	Manganese (Non-diet)	1110	1110	1110					**5.9E-01**		3.6E-04	**5.9E-01**
50-32-8	~Benzo[a]pyrene	1.15	1.15	1.15	**7.5E-06**	**2.5E-06**	1.1E-11	1.0E-05	4.9E-02	1.5E-02	9.3E-06	6.4E-02
205-99-2	~Benzo[b]fluoranthene	2.47	2.47	2.47	**1.6E-06**	5.4E-07	2.5E-12	2.2E-06				
7440-28-0	Thallium (Soluble Salts)	0.166	0.166	0.166					**2.1E-01**			**2.1E-01**
7440-62-2	Vanadium and Compounds	128.5	128.5	128.5					**3.3E-01**		2.1E-05	**3.3E-01**
						Cumulative:		4.5E-05				**3.1E+00**

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	February 2024
Basis:	November 2023 EPA RSL Table
Site Name:	Southside Park Landfill
Site Address:	Remont Road, Charlotte, Mecklenburg County, North Carolina
DEQ Section:	Pre-Regulatory Landfill Unit
Site ID:	NONCD0000807
Exposure Unit ID:	Soil Cover Run 7: Target Cobalt
Submittal Date:	8/9/2024
Prepared By:	Connor Hicks
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Soil Cover Run 7: Target Cobalt

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Risk Calculator Run 4: Remove SC-50 targeting cobalt

NOTE: If the chemical list is changed from a prior calculator run, remember to select "See All Chemicals" on the data output sheet or newly added chemicals will not be included in risk calculations

Exposure Point Concentration (mg/kg)	Notes:	CAS Number	Chemical **For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu**	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
19.2		7664-41-7	Ammonia			mg/kg	SC-25									
3.46		7440-36-0	Antimony (metallic)			mg/kg	SC-51									
17.3		7440-38-2	Arsenic, Inorganic			mg/kg	SC-51									
0.876		7440-43-9	Cadmium (Diet)			mg/kg	DUP-7/BG-2 6"									
2.36		18540-29-9	Chromium(VI)			mg/kg	SC-35									
23.6		7440-48-4	Cobalt			mg/kg	SC-16									
183		7439-92-1	~Lead and Compounds			mg/kg	SC-51									
1040		7439-96-5	Manganese (Non-diet)			mg/kg	SC-16									
1.15		50-32-8	~Benzo[a]pyrene			mg/kg	DUP-7 (BG-2 6")									
2.47		205-99-2	~Benzo[b]fluoranthene			mg/kg	BG-2 6"									
0.166		7440-28-0	Thallium (Soluble Salts)			mg/kg	SC-40									
128.5		7440-62-2	Vanadium and Compounds			mg/kg	SC-53/DUP-3									

Risk for Individual Pathways **Output Form 1A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Soil Cover Run 7: Target Cobalt

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	4.5E-05	2.9E+00	YES
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

Pathway	Source	Target Receptor Concentrations Exceeded?	
Groundwater	Source Soil	Exceedence of 2L at Receptor?	NC
	Source Groundwater	Exceedence of 2L at Receptor?	NC
Surface Water	Source Soil	Exceedence of 2B at Receptor?	NC
	Source Groundwater	Exceedence of 2B at Receptor?	NC

Notes:

1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.

2. * = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
3. NM = Not modeled, user did not check this pathway as complete.
4. NC = Pathway not calculated, required contaminant migration parameters were not entered.

DEQ Risk Calculator - Direct Contact - Resident Soil **Output Form 2A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Soil Cover Run 7: Target Cobalt

** - Note that inhalation on this calculator refers to outdoor inhalation of volatiles and particulates, not indoor inhalation associated with vapor intrusion.*

*** - Note that the EPA has no consensus on reference dose or cancer slope factor values for lead, therefore it is not possible to calculate cancer risk or hazard quotient. Lead concentrations are compared to the EPA screening level of 200 mg/kg for residential soil. If it has been demonstrated that additional sources of lead are present (e.g., lead water service lines or lead-based paint), the EPA screening level is 100 mg/kg, which is used below for comparison to be conservative.*

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk*	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient*	Calculated Non-Carcinogenic Hazard Quotient
7664-41-7	Ammonia	19.2	19.2	19.2							6.2E-10	6.2E-10
7440-36-0	Antimony (metallic)	3.46	3.46	3.46					1.1E-01		1.9E-07	1.1E-01
7440-38-2	Arsenic, Inorganic	17.3	17.3	17.3	**2.2E-05**	**3.2E-06**	4.5E-10	2.6E-05	**4.4E-01**	5.2E-02	1.9E-05	**4.9E-01**
7440-43-9	Cadmium (Diet)	0.876	0.876	0.876			9.5E-12	9.5E-12	1.1E-01	1.1E-02	1.4E-06	1.2E-01
18540-29-9	Chromium(VI)	2.36	2.36	2.36	**7.7E-06**		3.3E-09	7.7E-06	1.0E-02		3.8E-07	1.0E-02
7440-48-4	Cobalt	23.6	23.6	23.6			1.3E-09	1.3E-09	**1.0E+00**		6.4E-05	**1.0E+00**
7439-92-1	~Lead and Compounds	183	183	183					**>SL****	**>SL****	**>SL****	
7439-96-5	Manganese (Non-diet)	1110	1110	1110					**5.9E-01**		3.6E-04	**5.9E-01**
50-32-8	~Benzo[a]pyrene	1.15	1.15	1.15	**7.5E-06**	**2.5E-06**	1.1E-11	1.0E-05	4.9E-02	1.5E-02	9.3E-06	6.4E-02
205-99-2	~Benzo[b]fluoranthene	2.47	2.47	2.47	**1.6E-06**	5.4E-07	2.5E-12	2.2E-06				
7440-28-0	Thallium (Soluble Salts)	0.166	0.166	0.166					**2.1E-01**			**2.1E-01**
7440-62-2	Vanadium and Compounds	128.5	128.5	128.5					**3.3E-01**		2.1E-05	**3.3E-01**
						Cumulative:		4.5E-05				**2.9E+00**

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	February 2024
Basis:	November 2023 EPA RSL Table
Site Name:	Southside Park Landfill
Site Address:	Remont Road, Charlotte, Mecklenburg County, North Carolina
DEQ Section:	Pre-Regulatory Landfill Unit
Site ID:	NONCD0000807
Exposure Unit ID:	Southside Park Landfill IRC BG-8 6"
Submittal Date:	8/9/2024
Prepared By:	Connor Hicks
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Southside Park Landfill IRC BG-8 6"

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Individual Risk Calculator for BG-8 6"

NOTE: If the chemical list is changed from a prior calculator run, remember to select "See All Chemicals" on the data output sheet or newly added chemicals will not be included in risk calculations

Exposure Point Concentration (mg/kg)	Notes:	CAS Number	Chemical **For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu**	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
11.5		7664-41-7	Ammonia			mg/kg	BG-8 6"									
0.224		7440-36-0	Antimony (metallic)			mg/kg	BG-8 6"									
1.67		7440-38-2	Arsenic, Inorganic			mg/kg	BG-8 6"									
0.117		7440-43-9	Cadmium (Diet)			mg/kg	BG-8 6"									
1.12		18540-29-9	Chromium(VI)			mg/kg	BG-8 6"									
88.6		7440-48-4	Cobalt			mg/kg	BG-8 6"									
48		7439-92-1	~Lead and Compounds			mg/kg	BG-8 6"									
1060		7439-96-5	Manganese (Non-diet)			mg/kg	BG-8 6"									
0.101		50-32-8	~Benzo[a]pyrene			mg/kg	BG-8 6"									
0.101		205-99-2	~Benzo[b]fluoranthene			mg/kg	BG-8 6"									
0.0713		7440-28-0	Thallium (Soluble Salts)			mg/kg	BG-8 6"									
108		7440-62-2	Vanadium and Compounds			mg/kg	BG-8 6"									

Risk for Individual Pathways **Output Form 1A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Southside Park Landfill IRC BG-8 6"

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	7.1E-06	4.8E+00	YES
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

Pathway	Source	Target Receptor Concentrations Exceeded?	
Groundwater	Source Soil	Exceedence of 2L at Receptor?	NC
	Source Groundwater	Exceedence of 2L at Receptor?	NC
Surface Water	Source Soil	Exceedence of 2B at Receptor?	NC
	Source Groundwater	Exceedence of 2B at Receptor?	NC

Notes:

1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.

2. * = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
3. NM = Not modeled, user did not check this pathway as complete.
4. NC = Pathway not calculated, required contaminant migration parameters were not entered.

DEQ Risk Calculator - Direct Contact - Resident Soil **Output Form 2A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Southside Park Landfill IRC BG-8 6"

** - Note that inhalation on this calculator refers to outdoor inhalation of volatiles and particulates, not indoor inhalation associated with vapor intrusion.*

*** - Note that the EPA has no consensus on reference dose or cancer slope factor values for lead, therefore it is not possible to calculate cancer risk or hazard quotient. Lead concentrations are compared to the EPA screening level of 200 mg/kg for residential soil. If it has been demonstrated that additional sources of lead are present (e.g., lead water service lines or lead-based paint), the EPA screening level is 100 mg/kg, which is used below for comparison to be conservative.*

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk*	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient*	Calculated Non-Carcinogenic Hazard Quotient
7664-41-7	Ammonia	11.5	11.5	11.5							3.7E-10	3.7E-10
7440-36-0	Antimony (metallic)	0.224	0.224	0.224					7.2E-03		1.2E-08	7.2E-03
7440-38-2	Arsenic, Inorganic	1.67	1.67	1.67	**2.2E-06**	3.0E-07	4.3E-11	2.5E-06	4.3E-02	5.1E-03	1.8E-06	4.8E-02
7440-43-9	Cadmium (Diet)	0.117	0.117	0.117			1.3E-12	1.3E-12	1.5E-02	1.4E-03	1.9E-07	1.6E-02
18540-29-9	Chromium(VI)	1.12	1.12	1.12	**3.7E-06**		1.6E-09	3.7E-06	4.8E-03		1.8E-07	4.8E-03
7440-48-4	Cobalt	88.6	88.6	88.6			4.8E-09	4.8E-09	**3.8E+00**		2.4E-04	**3.8E+00**
7439-92-1	~Lead and Compounds	47.6	47.6	47.6					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	1060	1060	1060					**5.6E-01**		3.4E-04	**5.7E-01**
50-32-8	~Benzo[a]pyrene	0.101	0.101	0.101	6.6E-07	2.2E-07	1.0E-12	8.8E-07	4.3E-03	1.3E-03	8.2E-07	5.6E-03
205-99-2	~Benzo[b]fluoranthene	0.101	0.101	0.101	6.6E-08	2.2E-08	1.0E-13	8.8E-08				
7440-28-0	Thallium (Soluble Salts)	0.0713	0.0713	0.0713					9.1E-02			9.1E-02
7440-62-2	Vanadium and Compounds	108	108	108					**2.8E-01**		1.7E-05	**2.8E-01**
						Cumulative:		7.1E-06				**4.8E+00**

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	February 2024
Basis:	November 2023 EPA RSL Table
Site Name:	Southside Park Landfill
Site Address:	Remont Road, Charlotte, Mecklenburg County, North Carolina
DEQ Section:	Pre-Regulatory Landfill Unit
Site ID:	NONCD0000807
Exposure Unit ID:	Southside Park Landfill IRC DUP-1 (SC-8)
Submittal Date:	8/9/2024
Prepared By:	Connor Hicks
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Southside Park Landfill IRC DUP-1 (SC-8)

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Individual Risk Calculator for DUP-1 (SC-8)

NOTE: If the chemical list is changed from a prior calculator run, remember to select "See All Chemicals" on the data output sheet or newly added chemicals will not be included in risk calculations

Exposure Point Concentration (mg/kg)	Notes:	CAS Number	Chemical **For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu**	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
11.2		7664-41-7	Ammonia			mg/kg	DUP-1 (SC-8)									
0.46		7440-36-0	Antimony (metallic)			mg/kg	DUP-1 (SC-8)									
2.83		7440-38-2	Arsenic, Inorganic			mg/kg	DUP-1 (SC-8)									
0.352		7440-43-9	Cadmium (Diet)			mg/kg	DUP-1 (SC-8)									
0.45		18540-29-9	Chromium(VI)			mg/kg	DUP-1 (SC-8)									
31.9		7440-48-4	Cobalt			mg/kg	DUP-1 (SC-8)									
128		7439-92-1	~Lead and Compounds			mg/kg	DUP-1 (SC-8)									
837		7439-96-5	Manganese (Non-diet)			mg/kg	DUP-1 (SC-8)									
0.368		50-32-8	~Benzo[a]pyrene			mg/kg	DUP-1 (SC-8)									
0.368		205-99-2	~Benzo[b]fluoranthene			mg/kg	DUP-1 (SC-8)									
0.0696		7440-28-0	Thallium (Soluble Salts)			mg/kg	DUP-1 (SC-8)									
138		7440-62-2	Vanadium and Compounds			mg/kg	DUP-1 (SC-8)									

Risk for Individual Pathways **Output Form 1A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Southside Park Landfill IRC DUP-1 (SC-8)

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	9.2E-06	2.4E+00	YES
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

Pathway	Source	Target Receptor Concentrations Exceeded?	
Groundwater	Source Soil	Exceedence of 2L at Receptor?	NC
	Source Groundwater	Exceedence of 2L at Receptor?	NC
Surface Water	Source Soil	Exceedence of 2B at Receptor?	NC
	Source Groundwater	Exceedence of 2B at Receptor?	NC

Notes:

1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.

2. * = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
3. NM = Not modeled, user did not check this pathway as complete.
4. NC = Pathway not calculated, required contaminant migration parameters were not entered.

DEQ Risk Calculator - Direct Contact - Resident Soil **Output Form 2A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Southside Park Landfill IRC DUP-1 (SC-8)

** - Note that inhalation on this calculator refers to outdoor inhalation of volatiles and particulates, not indoor inhalation associated with vapor intrusion.*

*** - Note that the EPA has no consensus on reference dose or cancer slope factor values for lead, therefore it is not possible to calculate cancer risk or hazard quotient. Lead concentrations are compared to the EPA screening level of 200 mg/kg for residential soil. If it has been demonstrated that additional sources of lead are present (e.g., lead water service lines or lead-based paint), the EPA screening level is 100 mg/kg, which is used below for comparison to be conservative.*

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk*	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient*	Calculated Non-Carcinogenic Hazard Quotient
7664-41-7	Ammonia	11.2	11.2	11.2							3.6E-10	3.6E-10
7440-36-0	Antimony (metallic)	0.46	0.46	0.46					1.5E-02		2.5E-08	1.5E-02
7440-38-2	Arsenic, Inorganic	2.83	2.83	2.83	**3.7E-06**	5.2E-07	7.3E-11	4.2E-06	7.2E-02	8.6E-03	3.0E-06	8.1E-02
7440-43-9	Cadmium (Diet)	0.352	0.352	0.352			3.8E-12	3.8E-12	4.5E-02	4.3E-03	5.7E-07	4.9E-02
18540-29-9	Chromium(VI)	0.45	0.45	0.45	**1.5E-06**		6.3E-10	1.5E-06	1.9E-03		7.3E-08	1.9E-03
7440-48-4	Cobalt	31.9	31.9	31.9			1.7E-09	1.7E-09	**1.4E+00**		8.6E-05	**1.4E+00**
7439-92-1	~Lead and Compounds	128	128	128					**>SL****	**>SL****	**>SL****	
7439-96-5	Manganese (Non-diet)	837	837	837					**4.5E-01**		2.7E-04	**4.5E-01**
50-32-8	~Benzo[a]pyrene	0.368	0.368	0.368	**2.4E-06**	8.0E-07	3.7E-12	3.2E-06	1.6E-02	4.8E-03	3.0E-06	2.1E-02
205-99-2	~Benzo[b]fluoranthene	0.368	0.368	0.368	2.4E-07	8.0E-08	3.7E-13	3.2E-07				
7440-28-0	Thallium (Soluble Salts)	0.0696	0.0696	0.0696					8.9E-02			8.9E-02
7440-62-2	Vanadium and Compounds	138	138	138					**3.5E-01**		2.2E-05	**3.5E-01**
						Cumulative:		9.2E-06				**2.4E+00**

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	February 2024
Basis:	November 2023 EPA RSL Table
Site Name:	Southside Park Landfill
Site Address:	Remont Road, Charlotte, Mecklenburg County, North Carolina
DEQ Section:	Pre-Regulatory Landfill Unit
Site ID:	NONCD0000807
Exposure Unit ID:	Southside Park Landfill IRC DUP-2 (SC-15)
Submittal Date:	8/9/2024
Prepared By:	Connor Hicks
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Southside Park Landfill IRC DUP-2 (SC-15)

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Individual Risk Calculator for DUP-2 (SC-15)

NOTE: If the chemical list is changed from a prior calculator run, remember to select "See All Chemicals" on the data output sheet or newly added chemicals will not be included in risk calculations

Exposure Point Concentration (mg/kg)	Notes:	CAS Number	Chemical **For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu**	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
11.6		7664-41-7	Ammonia			mg/kg	DUP-2 (SC-15)									
0.0603		7440-36-0	Antimony (metallic)			mg/kg	DUP-2 (SC-15)									
1.83		7440-38-2	Arsenic, Inorganic			mg/kg	DUP-2 (SC-15)									
0.0603		7440-43-9	Cadmium (Diet)			mg/kg	DUP-2 (SC-15)									
0.6		18540-29-9	Chromium(VI)			mg/kg	DUP-2 (SC-15)									
34.2		7440-48-4	Cobalt			mg/kg	DUP-2 (SC-15)									
8		7439-92-1	~Lead and Compounds			mg/kg	DUP-2 (SC-15)									
417		7439-96-5	Manganese (Non-diet)			mg/kg	DUP-2 (SC-15)									
0.101		50-32-8	~Benzo[a]pyrene			mg/kg	DUP-2 (SC-15)									
0.101		205-99-2	~Benzo[b]fluoranthene			mg/kg	DUP-2 (SC-15)									
0.0625		7440-28-0	Thallium (Soluble Salts)			mg/kg	DUP-2 (SC-15)									
76.1		7440-62-2	Vanadium and Compounds			mg/kg	DUP-2 (SC-15)									

Risk for Individual Pathways **Output Form 1A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Southside Park Landfill IRC DUP-2 (SC-15)

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	5.6E-06	2.0E+00	YES
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

Pathway	Source	Target Receptor Concentrations Exceeded?	
Groundwater	Source Soil	Exceedence of 2L at Receptor?	NC
	Source Groundwater	Exceedence of 2L at Receptor?	NC
Surface Water	Source Soil	Exceedence of 2B at Receptor?	NC
	Source Groundwater	Exceedence of 2B at Receptor?	NC

Notes:

1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.

2. * = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
3. NM = Not modeled, user did not check this pathway as complete.
4. NC = Pathway not calculated, required contaminant migration parameters were not entered.

DEQ Risk Calculator - Direct Contact - Resident Soil **Output Form 2A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Southside Park Landfill IRC DUP-2 (SC-15)

** - Note that inhalation on this calculator refers to outdoor inhalation of volatiles and particulates, not indoor inhalation associated with vapor intrusion.*

*** - Note that the EPA has no consensus on reference dose or cancer slope factor values for lead, therefore it is not possible to calculate cancer risk or hazard quotient. Lead concentrations are compared to the EPA screening level of 200 mg/kg for residential soil. If it has been demonstrated that additional sources of lead are present (e.g., lead water service lines or lead-based paint), the EPA screening level is 100 mg/kg, which is used below for comparison to be conservative.*

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk*	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient*	Calculated Non-Carcinogenic Hazard Quotient
7664-41-7	Ammonia	11.6	11.6	11.6							3.7E-10	3.7E-10
7440-36-0	Antimony (metallic)	0.0603	0.0603	0.0603					1.9E-03		3.2E-09	1.9E-03
7440-38-2	Arsenic, Inorganic	1.83	1.83	1.83	**2.4E-06**	3.3E-07	4.7E-11	2.7E-06	4.7E-02	5.6E-03	2.0E-06	5.2E-02
7440-43-9	Cadmium (Diet)	0.0603	0.0603	0.0603			6.5E-13	6.5E-13	7.7E-03	7.3E-04	9.7E-08	8.4E-03
18540-29-9	Chromium(VI)	0.6	0.6	0.6	**2.0E-06**		8.4E-10	2.0E-06	2.6E-03		9.7E-08	2.6E-03
7440-48-4	Cobalt	34.2	34.2	34.2			1.8E-09	1.8E-09	**1.5E+00**		9.2E-05	**1.5E+00**
7439-92-1	~Lead and Compounds	8.21	8.21	8.21					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	417	417	417					**2.2E-01**		1.3E-04	**2.2E-01**
50-32-8	~Benzo[a]pyrene	0.101	0.101	0.101	6.6E-07	2.2E-07	1.0E-12	8.8E-07	4.3E-03	1.3E-03	8.2E-07	5.6E-03
205-99-2	~Benzo[b]fluoranthene	0.101	0.101	0.101	6.6E-08	2.2E-08	1.0E-13	8.8E-08				
7440-28-0	Thallium (Soluble Salts)	0.0625	0.0625	0.0625					8.0E-02			8.0E-02
7440-62-2	Vanadium and Compounds	76.1	76.1	76.1					1.9E-01		1.2E-05	1.9E-01
						Cumulative:		5.6E-06				**2.0E+00**

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	February 2024
Basis:	November 2023 EPA RSL Table
Site Name:	Southside Park Landfill
Site Address:	Remont Road, Charlotte, Mecklenburg County, North Carolina
DEQ Section:	Pre-Regulatory Landfill Unit
Site ID:	NONCD0000807
Exposure Unit ID:	Southside Park Landfill IRC SC-13
Submittal Date:	8/9/2024
Prepared By:	Connor Hicks
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Southside Park Landfill IRC SC-13

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Individual Risk Calculator for SC-13

NOTE: If the chemical list is changed from a prior calculator run, remember to select "See All Chemicals" on the data output sheet or newly added chemicals will not be included in risk calculations

Exposure Point Concentration (mg/kg)	Notes:	CAS Number	Chemical **For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu**	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
11.4		7664-41-7	Ammonia			mg/kg	SC-13									
0.232		7440-36-0	Antimony (metallic)			mg/kg	SC-13									
2.2		7440-38-2	Arsenic, Inorganic			mg/kg	SC-13									
0.182		7440-43-9	Cadmium (Diet)			mg/kg	SC-13									
0.86		18540-29-9	Chromium(VI)			mg/kg	SC-13									
35.2		7440-48-4	Cobalt			mg/kg	SC-13									
17		7439-92-1	~Lead and Compounds			mg/kg	SC-13									
896		7439-96-5	Manganese (Non-diet)			mg/kg	SC-13									
0.101		50-32-8	~Benzo[a]pyrene			mg/kg	SC-13									
0.101		205-99-2	~Benzo[b]fluoranthene			mg/kg	SC-13									
0.0727		7440-28-0	Thallium (Soluble Salts)			mg/kg	SC-13									
116		7440-62-2	Vanadium and Compounds			mg/kg	SC-13									

Risk for Individual Pathways **Output Form 1A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Southside Park Landfill IRC SC-13

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	7.0E-06	2.5E+00	YES
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

Pathway	Source	Target Receptor Concentrations Exceeded?	
Groundwater	Source Soil	Exceedence of 2L at Receptor?	NC
	Source Groundwater	Exceedence of 2L at Receptor?	NC
Surface Water	Source Soil	Exceedence of 2B at Receptor?	NC
	Source Groundwater	Exceedence of 2B at Receptor?	NC

Notes:

1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.

2. * = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
3. NM = Not modeled, user did not check this pathway as complete.
4. NC = Pathway not calculated, required contaminant migration parameters were not entered.

DEQ Risk Calculator - Direct Contact - Resident Soil **Output Form 2A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Southside Park Landfill IRC SC-13

** - Note that inhalation on this calculator refers to outdoor inhalation of volatiles and particulates, not indoor inhalation associated with vapor intrusion.*

*** - Note that the EPA has no consensus on reference dose or cancer slope factor values for lead, therefore it is not possible to calculate cancer risk or hazard quotient. Lead concentrations are compared to the EPA screening level of 200 mg/kg for residential soil. If it has been demonstrated that additional sources of lead are present (e.g., lead water service lines or lead-based paint), the EPA screening level is 100 mg/kg, which is used below for comparison to be conservative.*

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk*	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient*	Calculated Non-Carcinogenic Hazard Quotient
7664-41-7	Ammonia	11.4	11.4	11.4							3.7E-10	3.7E-10
7440-36-0	Antimony (metallic)	0.232	0.232	0.232					7.4E-03		1.2E-08	7.4E-03
7440-38-2	Arsenic, Inorganic	2.2	2.2	2.2	**2.8E-06**	4.0E-07	5.7E-11	3.2E-06	5.6E-02	6.7E-03	2.4E-06	6.3E-02
7440-43-9	Cadmium (Diet)	0.182	0.182	0.182			2.0E-12	2.0E-12	2.3E-02	2.2E-03	2.9E-07	2.5E-02
18540-29-9	Chromium(VI)	0.86	0.86	0.86	**2.8E-06**		1.2E-09	2.8E-06	3.7E-03		1.4E-07	3.7E-03
7440-48-4	Cobalt	35.2	35.2	35.2			1.9E-09	1.9E-09	**1.5E+00**		9.5E-05	**1.5E+00**
7439-92-1	~Lead and Compounds	17.3	17.3	17.3					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	896	896	896					**4.8E-01**		2.9E-04	**4.8E-01**
50-32-8	~Benzo[a]pyrene	0.101	0.101	0.101	6.6E-07	2.2E-07	1.0E-12	8.8E-07	4.3E-03	1.3E-03	8.2E-07	5.6E-03
205-99-2	~Benzo[b]fluoranthene	0.101	0.101	0.101	6.6E-08	2.2E-08	1.0E-13	8.8E-08				
7440-28-0	Thallium (Soluble Salts)	0.0727	0.0727	0.0727					9.3E-02			9.3E-02
7440-62-2	Vanadium and Compounds	116	116	116					**3.0E-01**		1.9E-05	**3.0E-01**
						Cumulative:		7.0E-06				**2.5E+00**

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	February 2024
Basis:	November 2023 EPA RSL Table
Site Name:	Southside Park Landfill
Site Address:	Remont Road, Charlotte, Mecklenburg County, North Carolina
DEQ Section:	Pre-Regulatory Landfill Unit
Site ID:	NONCD0000807
Exposure Unit ID:	Southside Park Landfill SC-17
Submittal Date:	8/9/2024
Prepared By:	Connor Hicks
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Southside Park Landfill SC-17

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Individual Risk Calculator for SC-17

NOTE: If the chemical list is changed from a prior calculator run, remember to select "See All Chemicals" on the data output sheet or newly added chemicals will not be included in risk calculations

Exposure Point Concentration (mg/kg)	Notes:	CAS Number	Chemical **For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu**	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
11.8		7664-41-7	Ammonia			mg/kg	SC-17									
0.0818		7440-36-0	Antimony (metallic)			mg/kg	SC-17									
1.81		7440-38-2	Arsenic, Inorganic			mg/kg	SC-17									
0.163		7440-43-9	Cadmium (Diet)			mg/kg	SC-17									
1.05		18540-29-9	Chromium(VI)			mg/kg	SC-17									
27.2		7440-48-4	Cobalt			mg/kg	SC-17									
21		7439-92-1	~Lead and Compounds			mg/kg	SC-17									
532		7439-96-5	Manganese (Non-diet)			mg/kg	SC-17									
0.398		50-32-8	~Benzo[a]pyrene			mg/kg	SC-17									
0.398		205-99-2	~Benzo[b]fluoranthene			mg/kg	SC-17									
0.0762		7440-28-0	Thallium (Soluble Salts)			mg/kg	SC-17									
128		7440-62-2	Vanadium and Compounds			mg/kg	SC-17									

Risk for Individual Pathways **Output Form 1A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Southside Park Landfill SC-17

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	9.9E-06	2.0E+00	YES
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

Pathway	Source	Target Receptor Concentrations Exceeded?	
Groundwater	Source Soil	Exceedence of 2L at Receptor?	NC
	Source Groundwater	Exceedence of 2L at Receptor?	NC
Surface Water	Source Soil	Exceedence of 2B at Receptor?	NC
	Source Groundwater	Exceedence of 2B at Receptor?	NC

Notes:

1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.

2. * = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
3. NM = Not modeled, user did not check this pathway as complete.
4. NC = Pathway not calculated, required contaminant migration parameters were not entered.

DEQ Risk Calculator - Direct Contact - Resident Soil **Output Form 2A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Southside Park Landfill SC-17

** - Note that inhalation on this calculator refers to outdoor inhalation of volatiles and particulates, not indoor inhalation associated with vapor intrusion.*

*** - Note that the EPA has no consensus on reference dose or cancer slope factor values for lead, therefore it is not possible to calculate cancer risk or hazard quotient. Lead concentrations are compared to the EPA screening level of 200 mg/kg for residential soil. If it has been demonstrated that additional sources of lead are present (e.g., lead water service lines or lead-based paint), the EPA screening level is 100 mg/kg, which is used below for comparison to be conservative.*

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk*	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient*	Calculated Non-Carcinogenic Hazard Quotient
7664-41-7	Ammonia	11.8	11.8	11.8							3.8E-10	3.8E-10
7440-36-0	Antimony (metallic)	0.0818	0.0818	0.0818					2.6E-03		4.4E-09	2.6E-03
7440-38-2	Arsenic, Inorganic	1.81	1.81	1.81	**2.3E-06**	3.3E-07	4.7E-11	2.7E-06	4.6E-02	5.5E-03	2.0E-06	5.2E-02
7440-43-9	Cadmium (Diet)	0.163	0.163	0.163			1.8E-12	1.8E-12	2.1E-02	2.0E-03	2.6E-07	2.3E-02
18540-29-9	Chromium(VI)	1.05	1.05	1.05	**3.4E-06**		1.5E-09	3.4E-06	4.5E-03		1.7E-07	4.5E-03
7440-48-4	Cobalt	27.2	27.2	27.2			1.5E-09	1.5E-09	**1.2E+00**		7.3E-05	**1.2E+00**
7439-92-1	~Lead and Compounds	21.1	21.1	21.1					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	532	532	532					**2.8E-01**		1.7E-04	**2.8E-01**
50-32-8	~Benzo[a]pyrene	0.398	0.398	0.398	**2.6E-06**	8.7E-07	4.0E-12	3.5E-06	1.7E-02	5.2E-03	3.2E-06	2.2E-02
205-99-2	~Benzo[b]fluoranthene	0.398	0.398	0.398	2.6E-07	8.7E-08	4.0E-13	3.5E-07				
7440-28-0	Thallium (Soluble Salts)	0.0762	0.0762	0.0762					9.7E-02			9.7E-02
7440-62-2	Vanadium and Compounds	128	128	128					**3.3E-01**		2.1E-05	**3.3E-01**
						Cumulative:		9.9E-06				**2.0E+00**

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	February 2024
Basis:	November 2023 EPA RSL Table
Site Name:	Southside Park Landfill
Site Address:	Remont Road, Charlotte, Mecklenburg County, North Carolina
DEQ Section:	Pre-Regulatory Landfill Unit
Site ID:	NONCD0000807
Exposure Unit ID:	Southside Park Landfill IRC SC-50
Submittal Date:	8/9/2024
Prepared By:	Connor Hicks
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Southside Park Landfill IRC SC-50

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Individual Risk Calculator for SC-50

NOTE: If the chemical list is changed from a prior calculator run, remember to select "See All Chemicals" on the data output sheet or newly added chemicals will not be included in risk calculations

Exposure Point Concentration (mg/kg)	Notes:	CAS Number	Chemical **For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu**	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
11.7		7664-41-7	Ammonia			mg/kg	SC-50									
0.58		7440-36-0	Antimony (metallic)			mg/kg	SC-50									
2.36		7440-38-2	Arsenic, Inorganic			mg/kg	SC-50									
0.0566		7440-43-9	Cadmium (Diet)			mg/kg	SC-50									
0.42		18540-29-9	Chromium(VI)			mg/kg	SC-50									
26.6		7440-48-4	Cobalt			mg/kg	SC-50									
75		7439-92-1	~Lead and Compounds			mg/kg	SC-50									
1110		7439-96-5	Manganese (Non-diet)			mg/kg	SC-50									
0.976		50-32-8	~Benzo[a]pyrene			mg/kg	SC-50									
0.976		205-99-2	~Benzo[b]fluoranthene			mg/kg	SC-50									
0.122		7440-28-0	Thallium (Soluble Salts)			mg/kg	SC-50									
91.2		7440-62-2	Vanadium and Compounds			mg/kg	SC-50									

Risk for Individual Pathways **Output Form 1A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Southside Park Landfill IRC SC-50

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	1.4E-05	2.3E+00	YES
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	NC	NC	NC
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	NC	NC	NC
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

Pathway	Source	Target Receptor Concentrations Exceeded?	
Groundwater	Source Soil	Exceedence of 2L at Receptor?	NC
	Source Groundwater	Exceedence of 2L at Receptor?	NC
Surface Water	Source Soil	Exceedence of 2B at Receptor?	NC
	Source Groundwater	Exceedence of 2B at Receptor?	NC

Notes:

1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.

2. * = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
3. NM = Not modeled, user did not check this pathway as complete.
4. NC = Pathway not calculated, required contaminant migration parameters were not entered.

DEQ Risk Calculator - Direct Contact - Resident Soil **Output Form 2A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: NONCD0000807

Exposure Unit ID: Southside Park Landfill IRC SC-50

** - Note that inhalation on this calculator refers to outdoor inhalation of volatiles and particulates, not indoor inhalation associated with vapor intrusion.*

*** - Note that the EPA has no consensus on reference dose or cancer slope factor values for lead, therefore it is not possible to calculate cancer risk or hazard quotient. Lead concentrations are compared to the EPA screening level of 200 mg/kg for residential soil. If it has been demonstrated that additional sources of lead are present (e.g., lead water service lines or lead-based paint), the EPA screening level is 100 mg/kg, which is used below for comparison to be conservative.*

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk*	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient*	Calculated Non-Carcinogenic Hazard Quotient
7664-41-7	Ammonia	11.7	11.7	11.7							3.8E-10	3.8E-10
7440-36-0	Antimony (metallic)	0.58	0.58	0.58					1.9E-02		3.1E-08	1.9E-02
7440-38-2	Arsenic, Inorganic	2.36	2.36	2.36	**3.1E-06**	4.3E-07	6.1E-11	3.5E-06	6.0E-02	7.2E-03	2.5E-06	6.8E-02
7440-43-9	Cadmium (Diet)	0.0566	0.0566	0.0566			6.1E-13	6.1E-13	7.2E-03	6.9E-04	9.1E-08	7.9E-03
18540-29-9	Chromium(VI)	0.42	0.42	0.42	**1.4E-06**		5.9E-10	1.4E-06	1.8E-03		6.8E-08	1.8E-03
7440-48-4	Cobalt	26.6	26.6	26.6			1.4E-09	1.4E-09	**1.1E+00**		7.2E-05	**1.1E+00**
7439-92-1	~Lead and Compounds	75.1	75.1	75.1					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	1110	1110	1110					**5.9E-01**		3.6E-04	**5.9E-01**
50-32-8	~Benzo[a]pyrene	0.976	0.976	0.976	**6.4E-06**	**2.1E-06**	9.7E-12	8.5E-06	4.2E-02	1.3E-02	7.9E-06	5.4E-02
205-99-2	~Benzo[b]fluoranthene	0.976	0.976	0.976	6.4E-07	2.1E-07	9.7E-13	8.5E-07				
7440-28-0	Thallium (Soluble Salts)	0.122	0.122	0.122					1.6E-01			1.6E-01
7440-62-2	Vanadium and Compounds	91.2	91.2	91.2					**2.3E-01**		1.5E-05	**2.3E-01**
						Cumulative:		1.4E-05				**2.3E+00**

Appendix IV– NCDEQ Risk Calculator Critical Effects Results

Critical Effects Evaluation for Cover Soil - August 2024

Southside Park Landfill, Charlotte, NC

NCDEQ ID No. NONCD0000807, Task 807RI-2

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk*	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient*	Calculated Non-Carcinogenic Hazard Quotient	Critical Effects
7664-41-7	Ammonia	19.2	19.2	19.2							6.2E-10	6.2E-10	
7440-36-0	Antimony (metallic)	3.46	3.46	3.46					1.1E-01		1.9E-07	1.1E-01	Longevity, blood glucose, and cholesterol
7440-38-2	Arsenic, Inorganic	17.3	17.3	17.3	2.2E-05	3.2E-06	4.5E-10	2.6E-05	4.4E-01	5.2E-02	1.9E-05	4.9E-01	Hyperpigmentation, keratosis and possible vascular complications
7440-43-9	Cadmium (Diet)	0.876	0.876	0.876			9.5E-12	9.5E-12	1.1E-01	1.1E-02	1.4E-06	1.2E-01	Significant proteinuria (high levels of protein in the urine)
18540-29-9	Chromium(VI)	2.36	2.36	2.36	7.7E-06		3.3E-09	7.7E-06	1.0E-02		3.8E-07	1.0E-02	
7440-48-4	Cobalt	23.6	23.6	23.6			1.3E-09	1.3E-09	1.0E+00		6.4E-05	1.0E+00	Endocrine (decreased iodine uptake)
7439-92-1	~Lead and Compounds	183	183	183					>SL**	>SL**	>SL**		
7439-96-5	Manganese (Non-diet)	1110	1110	1110					5.9E-01		3.6E-04	5.9E-01	Central Nervous System
50-32-8	~Benzo[a]pyrene	1.15	1.15	1.15	7.5E-06	2.5E-06	1.1E-11	1.0E-05	4.9E-02	1.5E-02	9.3E-06	6.4E-02	
205-99-2	~Benzo[b]fluoranthene	2.47	2.47	2.47	1.6E-06	5.4E-07	2.5E-12	2.2E-06					
7440-28-0	Thallium (Soluble Salts)*	0.166	0.166	0.166					2.1E-01			2.1E-01	
7440-62-2	Vanadium and Compounds	128.5	128.5	128.5					3.3E-01		2.1E-05	3.3E-01	Decreased hair cystine
						Cumulative:		4.5E-05				2.9E+00	

Critical Effects Evaluation for Soil Cover Conducted by NCDEQ Toxicologist

* Thallium reference dose is a Provisional Peer-Reviewed Toxicity Value (PPRTV) Screening Value.
The uncertainty associated with this screening value is too great for risk-based decision making.

Total Cardiovascular HI =	0.6
Total Skin HI =	0.8
Total Urinary HI =	0.1
Total Endocrine HI =	1.0
Total Nervous HI =	0.6
Total Other HI =	0.1

Appendix V– Laboratory Reports and Chain of Custody

S&ME, Inc.
Quality Assurance and Quality Control
Laboratory Data Review

Project Name	Southside Park Landfill Project
S&ME Project No.	215952
Date of Review	March 15, 2024

1.0 Project Identification

Project Description	Soil Cover and Soil Background Sampling
Project Location	Charlottle, Mecklenburg County, NC
NCDEQ ID	NONCD0000807
PRLF Task Order(s)	807RI-1,2 &3

2.0 Laboratory Information

Primary Laboratory Name	Enthalpy Analytical (The laboratory states its N.C. certification - 495 status for all analytes tested, within the "Accreditations & Locations" Section of their report.)
Location	1941 Remet Road, Richmond Virginia 23237
Lab Report IDs, and Sample Collection Dates	23L0308 (dated 1/8/2024), Collected on 12/11 to 12/21/2023

3.0 Chain of Custody and Log-in Review(s)

COC Item	Yes	No	Comments
COC Signed by All Parties	X		
Correct Project No. on COC	X		
Cooler Temperature in Compliance	X		Samples received at 2.7 degrees Celsius
Samples Received Within Holding Time	X		
Samples Received in Acceptable Condition	X		
QA/QC Samples Received in Acceptable Condition	X		

4.0 Laboratory Quality Control Review

QC Item	Yes	No	Comments
Samples Analyzed Outside of Holding Time		X	
Matrix Spike and Matrix Spike Duplicate Included in Analysis	X		
Method Blank Included in Analysis	X		
Surrogate Recovery Monitored, If Applicable			NA
Were Any Samples Reported as Rejected		X	
QC Qualifiers Identified	X		Reference definitions of qualifiers in the Glossary section of Laboratory Report. Qualification details are presented below, organized by Method:
According to the Enthalpy Analytical Lab Report, all samples' aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control were within established criteria and addressed, or properly qualified within the sample results. Several samples were denoted with the RE Qualifier. The laboratory affirmed by signature that all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data were identified by the laboratory, and that no information or data were knowingly withheld that would affect the quality of the data.			

5.0 Data Review Summary

S&ME has reviewed the analytical results for the samples collected and submitted to the laboratory for quality and validity. Quality control and assurance concerns have been discussed within the report, and accuracy and precision were determined by an evaluation of the laboratory control spike recovery and laboratory duplicate analysis, respectively. S&ME did not identify significant qualitative or quantitative limitations associated with the laboratory analytical results. Therefore, the laboratory data appears suitable for its intended use.	
Reviewed By	Tom Raymond, PE, PMP, RSM.

S&ME, Inc.
Quality Assurance and Quality Control
Laboratory Data Review

Project Name	Southside Park Landfill Project
S&ME Project No.	215952
Date of Review	March 15, 2024

1.0 Project Identification

Project Description	Soil Cover and Soil Background Sampling
Project Location	Charlottle, Mecklenburg County, NC
NCDEQ ID	NONCD0000807
PRLF Task Order(s)	807RI-1,2 &3

2.0 Laboratory Information

Primary Laboratory Name	Enthalpy Analytical (The laboratory states its N.C. certification - 495 status for all analytes tested, within the "Accreditations & Locations" Section of their report.)
Location	1941 Remet Road, Richmond Virginia 23237
Lab Report IDs, and Sample Collection Dates	24B0796 (3/4/2024), Collected on 2/14 and 2/15 2024

3.0 Chain of Custody and Log-in Review(s)

COC Item	Yes	No	Comments
COC Signed by All Parties	X		
Correct Project No. on COC	X		
Cooler Temperature in Compliance	X		Samples received at 3 degrees Celsius
Samples Received Within Holding Time	X		
Samples Received in Acceptable Condition	X		
QA/QC Samples Received in Acceptable Condition	X		

4.0 Laboratory Quality Control Review

QC Item	Yes	No	Comments
Samples Analyzed Outside of Holding Time		X	
Matrix Spike and Matrix Spike Duplicate Included in Analysis	X		
Method Blank Included in Analysis	X		
Surrogate Recovery Monitored, If Applicable			NA
Were Any Samples Reported as Rejected		X	
QC Qualifiers Identified	X		Reference definitions of qualifiers in the Glossary section of Laboratory Report. Qualification details are presented below, organized by Method:
According to the Enthalpy Analytical Lab Report, all samples' aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control were within established criteria and addressed, or properly qualified within the sample results. Several samples were denoted with the RE Qualifier. The laboratory reported that those samples were reanalyzed dye to high concentrations above calibration range. The laboratory affirmed by signature that all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data were identified by the laboratory, and that no information or data were knowingly withheld that would affect the quality of the data.			

5.0 Data Review Summary

S&ME has reviewed the analytical results for the samples collected and submitted to the laboratory for quality and validity. Quality control and assurance concerns have been discussed within the report, and accuracy and precision were determined by an evaluation of the laboratory control spike recovery and laboratory duplicate analysis, respectively. S&ME did not identify significant qualitative or quantitative limitations associated with the laboratory analytical results. Therefore, the laboratory data appears suitable for its intended use.	
Reviewed By	Tom Raymond, PE, PMP, RSM.

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Analysis Detects Report

Date Issued: 1/8/2024 5:19:06PM

Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
Submitted To: Tom Raymond

Laboratory Sample ID: 23L0566-01 **Client Sample ID:** SC-3

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	01	SW6020B	1640		59.1	59.1	1	ug/kg dry
Arsenic	01	SW6020B	5680		59.1	59.1	1	ug/kg dry
Barium	01RE1	SW6020B	391000		59100	59100	100	ug/kg dry
Beryllium	01	SW6020B	628		59.1	59.1	1	ug/kg dry
Cadmium	01	SW6020B	1330		59.1	59.1	1	ug/kg dry
Chromium	01RE1	SW6020B	60900		5910	5910	100	ug/kg dry
Cobalt	01	SW6020B	20200		59.1	59.1	1	ug/kg dry
Copper	01RE1	SW6020B	206000		5910	5910	100	ug/kg dry
Lead	01RE1	SW6020B	856000		5910	5910	100	ug/kg dry
Manganese	01RE1	SW6020B	586000		5910	5910	100	ug/kg dry
Mercury	01	SW7471B	0.504		0.010	0.010	1	mg/kg dry
Nickel	01RE1	SW6020B	31500		5910	5910	100	ug/kg dry
Selenium	01	SW6020B	2160		59.1	59.1	1	ug/kg dry
Silver	01	SW6020B	690		2.95	2.95	1	ug/kg dry
Thallium	01	SW6020B	100		59.1	59.1	1	ug/kg dry
Vanadium	01RE1	SW6020B	126000		29500	29500	100	ug/kg dry
Zinc	01RE1	SW6020B	487000		29500	29500	100	ug/kg dry
Acetone	01	SW8260D	73.2		11.1	11.1	1	ug/kg dry
Sulfate	01	SW9056A	32.3		3.09	12.4	1	mg/kg dry
Chromium, Hexavalent	01RE1	SW7199	1.14	M3	0.25	0.25	1	mg/kg dry
Nitrate as N	01	SW9056A	2.22	J	1.24	2.47	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
Submitted To: Tom Raymond

Laboratory Sample ID: **23L0566-02** **Client Sample ID:** **SC-7**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	02	SW6020B	219		56.8	56.8	1	ug/kg dry
Arsenic	02	SW6020B	2540		56.8	56.8	1	ug/kg dry
Barium	02RE1	SW6020B	136000		56800	56800	100	ug/kg dry
Beryllium	02	SW6020B	524		56.8	56.8	1	ug/kg dry
Cadmium	02	SW6020B	243		56.8	56.8	1	ug/kg dry
Chromium	02RE1	SW6020B	44400		5680	5680	100	ug/kg dry
Cobalt	02	SW6020B	16700		56.8	56.8	1	ug/kg dry
Copper	02RE1	SW6020B	85400		5680	5680	100	ug/kg dry
Lead	02RE1	SW6020B	84800		5680	5680	100	ug/kg dry
Manganese	02RE1	SW6020B	512000		5680	5680	100	ug/kg dry
Mercury	02	SW7471B	0.116		0.009	0.009	1	mg/kg dry
Nickel	02RE1	SW6020B	24100		5680	5680	100	ug/kg dry
Selenium	02	SW6020B	1530		56.8	56.8	1	ug/kg dry
Silver	02	SW6020B	124		2.84	2.84	1	ug/kg dry
Thallium	02	SW6020B	75.6		56.8	56.8	1	ug/kg dry
Vanadium	02RE1	SW6020B	97300		28400	28400	100	ug/kg dry
Zinc	02RE1	SW6020B	132000		28400	28400	100	ug/kg dry
Acetone	02	SW8260D	115		10.8	10.8	1	ug/kg dry
Sulfate	02	SW9056A	9.37	J	2.97	11.9	1	mg/kg dry
Chromium, Hexavalent	02	SW7199	1.19		0.24	0.24	1	mg/kg dry
Nitrate as N	02	SW9056A	4.76		1.19	2.38	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
Submitted To: Tom Raymond

Laboratory Sample ID: **23L0566-03** **Client Sample ID:** **SC-8**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	03	SW6020B	110		53.8	53.8	1	ug/kg dry
Arsenic	03	SW6020B	2170		53.8	53.8	1	ug/kg dry
Barium	03RE1	SW6020B	137000		53800	53800	100	ug/kg dry
Beryllium	03	SW6020B	464		53.8	53.8	1	ug/kg dry
Cadmium	03	SW6020B	173		53.8	53.8	1	ug/kg dry
Chromium	03RE1	SW6020B	38500		5380	5380	100	ug/kg dry
Cobalt	03	SW6020B	11900		53.8	53.8	1	ug/kg dry
Copper	03RE1	SW6020B	46200		5380	5380	100	ug/kg dry
Lead	03RE1	SW6020B	33300		5380	5380	100	ug/kg dry
Manganese	03RE1	SW6020B	530000		5380	5380	100	ug/kg dry
Mercury	03	SW7471B	0.060		0.009	0.009	1	mg/kg dry
Nickel	03	SW6020B	17400		53.8	53.8	1	ug/kg dry
Selenium	03	SW6020B	1910		53.8	53.8	1	ug/kg dry
Silver	03	SW6020B	124		2.69	2.69	1	ug/kg dry
Thallium	03	SW6020B	57.7		53.8	53.8	1	ug/kg dry
Vanadium	03RE1	SW6020B	84900		26900	26900	100	ug/kg dry
Zinc	03RE1	SW6020B	99500		26900	26900	100	ug/kg dry
Acetone	03	SW8260D	18.8		9.20	10.0	1	ug/kg dry
Sulfate	03	SW9056A	148		2.87	11.5	1	mg/kg dry
Chromium, Hexavalent	03	SW7199	0.48		0.23	0.23	1	mg/kg dry
Nitrate as N	03	SW9056A	2.37		1.15	2.29	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
Submitted To: Tom Raymond

Laboratory Sample ID: **23L0566-04** **Client Sample ID:** **SC-4**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	04	SW6020B	82.7		58.4	58.4	1	ug/kg dry
Arsenic	04	SW6020B	2240		58.4	58.4	1	ug/kg dry
Barium	04RE1	SW6020B	137000		58400	58400	100	ug/kg dry
Beryllium	04	SW6020B	569		58.4	58.4	1	ug/kg dry
Cadmium	04	SW6020B	107		58.4	58.4	1	ug/kg dry
Chromium	04RE1	SW6020B	64300		5840	5840	100	ug/kg dry
Cobalt	04	SW6020B	17900		58.4	58.4	1	ug/kg dry
Copper	04RE1	SW6020B	62200		5840	5840	100	ug/kg dry
Lead	04RE1	SW6020B	29200		5840	5840	100	ug/kg dry
Manganese	04RE1	SW6020B	587000		5840	5840	100	ug/kg dry
Mercury	04	SW7471B	0.051		0.010	0.010	1	mg/kg dry
Nickel	04RE1	SW6020B	33200		5840	5840	100	ug/kg dry
Selenium	04	SW6020B	1350		58.4	58.4	1	ug/kg dry
Silver	04	SW6020B	50.4		2.92	2.92	1	ug/kg dry
Thallium	04	SW6020B	80.5		58.4	58.4	1	ug/kg dry
Vanadium	04RE1	SW6020B	129000		29200	29200	100	ug/kg dry
Zinc	04RE1	SW6020B	80600		29200	29200	100	ug/kg dry
Acetone	04	SW8260D	20.9		9.60	10.0	1	ug/kg dry
Sulfate	04	SW9056A	322		3.08	12.3	1	mg/kg dry
Chromium, Hexavalent	04	SW7199	0.56		0.25	0.25	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
Submitted To: Tom Raymond

Laboratory Sample ID: **23L0566-05** **Client Sample ID:** **SC-9**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Arsenic	05	SW6020B	2430		57.2	57.2	1	ug/kg dry
Barium	05RE1	SW6020B	92000		57200	57200	100	ug/kg dry
Beryllium	05	SW6020B	586		57.2	57.2	1	ug/kg dry
Chromium	05RE1	SW6020B	37300		5720	5720	100	ug/kg dry
Cobalt	05	SW6020B	13100		57.2	57.2	1	ug/kg dry
Copper	05RE1	SW6020B	59300		5720	5720	100	ug/kg dry
Lead	05	SW6020B	12500		57.2	57.2	1	ug/kg dry
Manganese	05RE1	SW6020B	342000		5720	5720	100	ug/kg dry
Mercury	05	SW7471B	0.049		0.009	0.009	1	mg/kg dry
Nickel	05	SW6020B	12300		57.2	57.2	1	ug/kg dry
Selenium	05	SW6020B	1570		57.2	57.2	1	ug/kg dry
Silver	05	SW6020B	20.4		2.86	2.86	1	ug/kg dry
Thallium	05	SW6020B	116		57.2	57.2	1	ug/kg dry
Vanadium	05RE1	SW6020B	97000		28600	28600	100	ug/kg dry
Zinc	05RE1	SW6020B	38600		28600	28600	100	ug/kg dry
Acetone	05	SW8260D	25.4		10.4	10.4	1	ug/kg dry
Sulfate	05	SW9056A	11.9	J	3.01	12.0	1	mg/kg dry
Chromium, Hexavalent	05	SW7199	0.66		0.24	0.24	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
Submitted To: Tom Raymond

Laboratory Sample ID: **23L0566-06** **Client Sample ID:** **DUP-1**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	06	SW6020B	460		54.2	54.2	1	ug/kg dry
Arsenic	06	SW6020B	2830		54.2	54.2	1	ug/kg dry
Barium	06RE1	SW6020B	241000		54200	54200	100	ug/kg dry
Beryllium	06	SW6020B	685		54.2	54.2	1	ug/kg dry
Cadmium	06	SW6020B	352		54.2	54.2	1	ug/kg dry
Chromium	06RE1	SW6020B	65900		5420	5420	100	ug/kg dry
Cobalt	06RE1	SW6020B	31900		5420	5420	100	ug/kg dry
Copper	06RE1	SW6020B	91700		5420	5420	100	ug/kg dry
Lead	06RE1	SW6020B	128000		5420	5420	100	ug/kg dry
Manganese	06RE1	SW6020B	837000		5420	5420	100	ug/kg dry
Mercury	06	SW7471B	0.050		0.009	0.009	1	mg/kg dry
Nickel	06RE1	SW6020B	46200		5420	5420	100	ug/kg dry
Selenium	06	SW6020B	1730		54.2	54.2	1	ug/kg dry
Silver	06	SW6020B	178		2.71	2.71	1	ug/kg dry
Thallium	06	SW6020B	69.6		54.2	54.2	1	ug/kg dry
Vanadium	06RE1	SW6020B	138000		27100	27100	100	ug/kg dry
Zinc	06RE1	SW6020B	234000		27100	27100	100	ug/kg dry
Acetone	06	SW8260D	23.8		9.46	10.0	1	ug/kg dry
Sulfate	06	SW9056A	165		2.82	11.3	1	mg/kg dry
Chromium, Hexavalent	06	SW7199	0.45		0.23	0.23	1	mg/kg dry
Nitrate as N	06	SW9056A	2.88		1.13	2.25	1	mg/kg dry

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Analysis Detects Report

Date Issued: 1/8/2024 5:19:06PM

Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
Submitted To: Tom Raymond

Laboratory Sample ID: **23L0675-01** **Client Sample ID:** **SC-12**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	01	SW6020B	116		61.2	61.2	1	ug/kg dry
Arsenic	01	SW6020B	2620		61.2	61.2	1	ug/kg dry
Barium	01RE1	SW6020B	124000		61200	61200	100	ug/kg dry
Beryllium	01RE1	SW6020B	642		306	306	5	ug/kg dry
Cadmium	01	SW6020B	122		61.2	61.2	1	ug/kg dry
Chromium	01RE1	SW6020B	47300		6120	6120	100	ug/kg dry
Cobalt	01	SW6020B	18100		61.2	61.2	1	ug/kg dry
Copper	01RE1	SW6020B	62500		6120	6120	100	ug/kg dry
Lead	01RE1	SW6020B	31200		6120	6120	100	ug/kg dry
Manganese	01RE1	SW6020B	505000		6120	6120	100	ug/kg dry
Mercury	01	SW7471B	0.096		0.010	0.010	1	mg/kg dry
Nickel	01	SW6020B	19600		61.2	61.2	1	ug/kg dry
Selenium	01	SW6020B	1820		61.2	61.2	1	ug/kg dry
Silver	01	SW6020B	58.1		3.06	3.06	1	ug/kg dry
Thallium	01	SW6020B	78.7		61.2	61.2	1	ug/kg dry
Vanadium	01RE1	SW6020B	107000		30600	30600	100	ug/kg dry
Zinc	01RE1	SW6020B	90600		30600	30600	100	ug/kg dry
Acetone	01	SW8260D	32.4		10.1	10.1	1	ug/kg dry
Sulfate	01	SW9056A	10.4	J	3.13	12.5	1	mg/kg dry
Chromium, Hexavalent	01	SW7199	0.56		0.25	0.25	1	mg/kg dry
Nitrate as N	01	SW9056A	3.02		1.25	2.51	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
Submitted To: Tom Raymond

Laboratory Sample ID: **23L0675-02** **Client Sample ID:** **SC-22**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	02	SW6020B	164		57.3	57.3	1	ug/kg dry
Arsenic	02	SW6020B	1800		57.3	57.3	1	ug/kg dry
Barium	02RE1	SW6020B	110000		57300	57300	100	ug/kg dry
Beryllium	02	SW6020B	486		57.3	57.3	1	ug/kg dry
Cadmium	02	SW6020B	177		57.3	57.3	1	ug/kg dry
Chromium	02RE1	SW6020B	55700		5730	5730	100	ug/kg dry
Cobalt	02	SW6020B	14900		57.3	57.3	1	ug/kg dry
Copper	02RE1	SW6020B	55300		5730	5730	100	ug/kg dry
Lead	02RE1	SW6020B	41000		5730	5730	100	ug/kg dry
Manganese	02RE1	SW6020B	366000		5730	5730	100	ug/kg dry
Mercury	02	SW7471B	0.113		0.010	0.010	1	mg/kg dry
Nickel	02RE1	SW6020B	25000		5730	5730	100	ug/kg dry
Selenium	02	SW6020B	1570		57.3	57.3	1	ug/kg dry
Silver	02	SW6020B	73.7		2.87	2.87	1	ug/kg dry
Thallium	02	SW6020B	59.2		57.3	57.3	1	ug/kg dry
Vanadium	02RE1	SW6020B	77600		28700	28700	100	ug/kg dry
Zinc	02RE1	SW6020B	93400		28700	28700	100	ug/kg dry
2-Butanone (MEK)	02	SW8260D	7.23		5.45	5.45	1	ug/kg dry
Acetone	02	SW8260D	93.4		10.9	10.9	1	ug/kg dry
Sulfate	02	SW9056A	7.56	J	3.12	12.5	1	mg/kg dry
Chromium, Hexavalent	02	SW7199	1.21		0.25	0.25	1	mg/kg dry
Nitrate as N	02	SW9056A	1.39	J	1.25	2.49	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **23L0675-03** **Client Sample ID:** **SC-23**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Arsenic	03	SW6020B	1880		60.9	60.9	1	ug/kg dry
Barium	03RE1	SW6020B	101000		60900	60900	100	ug/kg dry
Beryllium	03RE1	SW6020B	623		305	305	5	ug/kg dry
Chromium	03RE1	SW6020B	33300		6090	6090	100	ug/kg dry
Cobalt	03	SW6020B	15600		60.9	60.9	1	ug/kg dry
Copper	03RE1	SW6020B	35500		6090	6090	100	ug/kg dry
Lead	03	SW6020B	6390		60.9	60.9	1	ug/kg dry
Manganese	03RE1	SW6020B	302000		6090	6090	100	ug/kg dry
Mercury	03	SW7471B	0.024		0.010	0.010	1	mg/kg dry
Nickel	03	SW6020B	13300		60.9	60.9	1	ug/kg dry
Selenium	03	SW6020B	1910		60.9	60.9	1	ug/kg dry
Silver	03	SW6020B	12.9		3.05	3.05	1	ug/kg dry
Thallium	03	SW6020B	82.5		60.9	60.9	1	ug/kg dry
Vanadium	03RE1	SW6020B	73500		30500	30500	100	ug/kg dry
Zinc	03RE1	SW6020B	44700		30500	30500	100	ug/kg dry
2-Butanone (MEK)	03	SW8260D	6.21		5.32	5.32	1	ug/kg dry
Acetone	03	SW8260D	62.3		10.6	10.6	1	ug/kg dry
Sulfate	03	SW9056A	13.4		3.14	12.6	1	mg/kg dry
Chromium, Hexavalent	03	SW7199	0.64		0.25	0.25	1	mg/kg dry
Nitrate as N	03	SW9056A	3.13		1.26	2.51	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **23L0675-04** **Client Sample ID:** **SC-34**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	04	SW6020B	60.3		56.8	56.8	1	ug/kg dry
Arsenic	04	SW6020B	2400		56.8	56.8	1	ug/kg dry
Barium	04RE1	SW6020B	95000		56800	56800	100	ug/kg dry
Beryllium	04RE1	SW6020B	685		284	284	5	ug/kg dry
Chromium	04RE1	SW6020B	35400		5680	5680	100	ug/kg dry
Cobalt	04	SW6020B	12600		56.8	56.8	1	ug/kg dry
Copper	04RE1	SW6020B	72300		5680	5680	100	ug/kg dry
Lead	04	SW6020B	13600		56.8	56.8	1	ug/kg dry
Manganese	04RE1	SW6020B	377000		5680	5680	100	ug/kg dry
Mercury	04	SW7471B	0.131		0.009	0.009	1	mg/kg dry
Nickel	04	SW6020B	10700		56.8	56.8	1	ug/kg dry
Selenium	04	SW6020B	2130		56.8	56.8	1	ug/kg dry
Silver	04	SW6020B	18.5		2.84	2.84	1	ug/kg dry
Thallium	04	SW6020B	153		56.8	56.8	1	ug/kg dry
Vanadium	04RE1	SW6020B	103000		28400	28400	100	ug/kg dry
Zinc	04RE1	SW6020B	29000		28400	28400	100	ug/kg dry
2-Butanone (MEK)	04	SW8260D	16.2		5.82	5.82	1	ug/kg dry
Acetone	04	SW8260D	197		11.6	11.6	1	ug/kg dry
Sulfate	04	SW9056A	37.3		3.01	12.0	1	mg/kg dry
Chromium, Hexavalent	04	SW7199	0.99		0.24	0.24	1	mg/kg dry
Nitrate as N	04	SW9056A	1.61	J	1.20	2.41	1	mg/kg dry

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Client Name: S&ME - Raleigh
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Laboratory Sample ID: **23L0675-05** **Client Sample ID:** **SC-35**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	05	SW6020B	277		55.6	55.6	1	ug/kg dry
Arsenic	05	SW6020B	3350		55.6	55.6	1	ug/kg dry
Barium	05RE1	SW6020B	121000		55600	55600	100	ug/kg dry
Beryllium	05RE1	SW6020B	734		278	278	5	ug/kg dry
Cadmium	05	SW6020B	216		55.6	55.6	1	ug/kg dry
Chromium	05RE1	SW6020B	118000		5560	5560	100	ug/kg dry
Cobalt	05	SW6020B	12400		55.6	55.6	1	ug/kg dry
Copper	05RE1	SW6020B	70800		5560	5560	100	ug/kg dry
Lead	05RE1	SW6020B	61000		5560	5560	100	ug/kg dry
Manganese	05RE1	SW6020B	402000		5560	5560	100	ug/kg dry
Mercury	05	SW7471B	0.038		0.009	0.009	1	mg/kg dry
Nickel	05	SW6020B	18000		55.6	55.6	1	ug/kg dry
Selenium	05	SW6020B	1470		55.6	55.6	1	ug/kg dry
Silver	05	SW6020B	136		2.78	2.78	1	ug/kg dry
Thallium	05	SW6020B	134		55.6	55.6	1	ug/kg dry
Vanadium	05RE1	SW6020B	109000		27800	27800	100	ug/kg dry
Zinc	05RE1	SW6020B	107000		27800	27800	100	ug/kg dry
Acetone	05	SW8260D	35.9		10.2	10.2	1	ug/kg dry
Sulfate	05	SW9056A	11.3	J	2.92	11.7	1	mg/kg dry
Chromium, Hexavalent	05	SW7199	2.36		0.23	0.23	1	mg/kg dry
Nitrate as N	05	SW9056A	2.12	J	1.17	2.34	1	mg/kg dry

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Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **23L0675-06** **Client Sample ID:** **SC-13**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	06	SW6020B	232		57.8	57.8	1	ug/kg dry
Arsenic	06	SW6020B	2200		57.8	57.8	1	ug/kg dry
Barium	06RE1	SW6020B	194000		57800	57800	100	ug/kg dry
Beryllium	06RE1	SW6020B	864		289	289	5	ug/kg dry
Cadmium	06	SW6020B	182		57.8	57.8	1	ug/kg dry
Chromium	06RE1	SW6020B	53800		5780	5780	100	ug/kg dry
Cobalt	06RE1	SW6020B	35200		5780	5780	100	ug/kg dry
Copper	06RE1	SW6020B	59300		5780	5780	100	ug/kg dry
Lead	06	SW6020B	17300		57.8	57.8	1	ug/kg dry
Manganese	06RE1	SW6020B	896000		5780	5780	100	ug/kg dry
Mercury	06	SW7471B	0.037		0.009	0.009	1	mg/kg dry
Nickel	06RE1	SW6020B	31300		5780	5780	100	ug/kg dry
Selenium	06	SW6020B	1810		57.8	57.8	1	ug/kg dry
Silver	06	SW6020B	51.0		2.89	2.89	1	ug/kg dry
Thallium	06	SW6020B	72.7		57.8	57.8	1	ug/kg dry
Vanadium	06RE1	SW6020B	116000		28900	28900	100	ug/kg dry
Zinc	06RE1	SW6020B	147000		28900	28900	100	ug/kg dry
2-Butanone (MEK)	06	SW8260D	17.2		5.54	5.54	1	ug/kg dry
Acetone	06	SW8260D	246		11.1	11.1	1	ug/kg dry
Sulfate	06	SW9056A	11.1	J	3.02	12.1	1	mg/kg dry
Chromium, Hexavalent	06	SW7199	0.86		0.24	0.24	1	mg/kg dry
Nitrate as N	06	SW9056A	4.94		1.21	2.42	1	mg/kg dry

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Client Name: S&ME - Raleigh
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Laboratory Sample ID: **23L0675-07** **Client Sample ID:** **SC-14**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	07	SW6020B	72.9		59.8	59.8	1	ug/kg dry
Arsenic	07	SW6020B	1880		59.8	59.8	1	ug/kg dry
Barium	07RE1	SW6020B	116000		59800	59800	100	ug/kg dry
Beryllium	07	SW6020B	406		59.8	59.8	1	ug/kg dry
Cadmium	07	SW6020B	184		59.8	59.8	1	ug/kg dry
Chromium	07RE1	SW6020B	32100		5980	5980	100	ug/kg dry
Cobalt	07	SW6020B	9530		59.8	59.8	1	ug/kg dry
Copper	07RE1	SW6020B	33000		5980	5980	100	ug/kg dry
Lead	07	SW6020B	20500		59.8	59.8	1	ug/kg dry
Manganese	07RE1	SW6020B	544000		5980	5980	100	ug/kg dry
Mercury	07	SW7471B	0.129		0.010	0.010	1	mg/kg dry
Nickel	07RE1	SW6020B	15700		5980	5980	100	ug/kg dry
Nickel	07	SW6020B	13700		59.8	59.8	1	ug/kg dry
Selenium	07	SW6020B	2120		59.8	59.8	1	ug/kg dry
Silver	07	SW6020B	47.7		2.99	2.99	1	ug/kg dry
Vanadium	07RE1	SW6020B	52500		29900	29900	100	ug/kg dry
Zinc	07RE1	SW6020B	83400		29900	29900	100	ug/kg dry
2-Butanone (MEK)	07	SW8260D	17.1		6.33	6.33	1	ug/kg dry
Acetone	07	SW8260D	298		12.7	12.7	1	ug/kg dry
Sulfate	07	SW9056A	187		3.02	12.1	1	mg/kg dry
Chromium, Hexavalent	07	SW7199	0.53		0.24	0.24	1	mg/kg dry

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Client Name: S&ME - Raleigh
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Laboratory Sample ID: **23L0675-08** **Client Sample ID:** **SC-25**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Arsenic	08	SW6020B	1450		57.0	57.0	1	ug/kg dry
Barium	08RE1	SW6020B	161000		57000	57000	100	ug/kg dry
Beryllium	08	SW6020B	609		57.0	57.0	1	ug/kg dry
Cadmium	08	SW6020B	69.9		57.0	57.0	1	ug/kg dry
Chromium	08RE1	SW6020B	47200		5700	5700	100	ug/kg dry
Cobalt	08	SW6020B	15000		57.0	57.0	1	ug/kg dry
Copper	08RE1	SW6020B	40300		5700	5700	100	ug/kg dry
Lead	08	SW6020B	4950		57.0	57.0	1	ug/kg dry
Manganese	08RE1	SW6020B	562000		5700	5700	100	ug/kg dry
Selenium	08	SW6020B	1240		57.0	57.0	1	ug/kg dry
Silver	08	SW6020B	19.3		2.85	2.85	1	ug/kg dry
Thallium	08	SW6020B	98.6		57.0	57.0	1	ug/kg dry
Vanadium	08RE1	SW6020B	67200		28500	28500	100	ug/kg dry
Zinc	08RE1	SW6020B	54900		28500	28500	100	ug/kg dry
2-Butanone (MEK)	08	SW8260D	9.19		6.60	6.60	1	ug/kg dry
Sulfate	08	SW9056A	7.09	J	2.94	11.8	1	mg/kg dry
Ammonia as N	08	EPA350.1 R2.0	19.2		11.3	11.3	1	mg/kg dry
Chromium, Hexavalent	08	SW7199	0.35		0.23	0.23	1	mg/kg dry

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Client Name: S&ME - Raleigh
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Laboratory Sample ID: **23L0675-09** **Client Sample ID:** **SC-24**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	09	SW6020B	73.5		60.2	60.2	1	ug/kg dry
Arsenic	09	SW6020B	2260		60.2	60.2	1	ug/kg dry
Barium	09RE1	SW6020B	70000		60200	60200	100	ug/kg dry
Beryllium	09	SW6020B	461		60.2	60.2	1	ug/kg dry
Cadmium	09	SW6020B	76.2		60.2	60.2	1	ug/kg dry
Chromium	09RE1	SW6020B	29400		6020	6020	100	ug/kg dry
Cobalt	09	SW6020B	10600		60.2	60.2	1	ug/kg dry
Copper	09RE1	SW6020B	34900		6020	6020	100	ug/kg dry
Lead	09	SW6020B	17900		60.2	60.2	1	ug/kg dry
Manganese	09RE1	SW6020B	289000		6020	6020	100	ug/kg dry
Mercury	09	SW7471B	0.084		0.010	0.010	1	mg/kg dry
Nickel	09	SW6020B	9790		60.2	60.2	1	ug/kg dry
Selenium	09	SW6020B	1230		60.2	60.2	1	ug/kg dry
Silver	09	SW6020B	94.1		3.01	3.01	1	ug/kg dry
Thallium	09	SW6020B	92.0		60.2	60.2	1	ug/kg dry
Vanadium	09RE1	SW6020B	67100		30100	30100	100	ug/kg dry
Zinc	09RE1	SW6020B	67400		30100	30100	100	ug/kg dry
2-Butanone (MEK)	09	SW8260D	10.5		5.17	5.17	1	ug/kg dry
Acetone	09	SW8260D	156		10.3	10.3	1	ug/kg dry
Sulfate	09	SW9056A	76.8		3.09	12.4	1	mg/kg dry
Chromium, Hexavalent	09	SW7199	0.57		0.25	0.25	1	mg/kg dry
Nitrate as N	09	SW9056A	2.91		1.24	2.47	1	mg/kg dry

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Client Name: S&ME - Raleigh
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Laboratory Sample ID: **23L0675-10** **Client Sample ID:** **SC-44**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	10	SW6020B	102		58.1	58.1	1	ug/kg dry
Arsenic	10	SW6020B	3030		58.1	58.1	1	ug/kg dry
Barium	10RE1	SW6020B	96600		58100	58100	100	ug/kg dry
Beryllium	10RE1	SW6020B	694		290	290	5	ug/kg dry
Cadmium	10	SW6020B	321		58.1	58.1	1	ug/kg dry
Chromium	10RE1	SW6020B	85400		5810	5810	100	ug/kg dry
Cobalt	10	SW6020B	12400		58.1	58.1	1	ug/kg dry
Copper	10RE1	SW6020B	49400		5810	5810	100	ug/kg dry
Lead	10RE1	SW6020B	40000		5810	5810	100	ug/kg dry
Manganese	10RE1	SW6020B	415000		5810	5810	100	ug/kg dry
Mercury	10	SW7471B	0.166		0.009	0.009	1	mg/kg dry
Nickel	10	SW6020B	14900		58.1	58.1	1	ug/kg dry
Selenium	10	SW6020B	2280		58.1	58.1	1	ug/kg dry
Silver	10	SW6020B	36.0		2.90	2.90	1	ug/kg dry
Thallium	10	SW6020B	91.9		58.1	58.1	1	ug/kg dry
Vanadium	10RE1	SW6020B	98300		29000	29000	100	ug/kg dry
Zinc	10RE1	SW6020B	71400		29000	29000	100	ug/kg dry
Acetone	10	SW8260D	105		12.5	12.5	1	ug/kg dry
Sulfate	10	SW9056A	39.7		3.04	12.1	1	mg/kg dry
Chromium, Hexavalent	10	SW7199	0.93		0.24	0.24	1	mg/kg dry
Nitrate as N	10	SW9056A	3.80		1.21	2.43	1	mg/kg dry

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Laboratory Sample ID: **23L0675-11** **Client Sample ID:** **SC-15**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Arsenic	11	SW6020B	1620		57.6	57.6	1	ug/kg dry
Barium	11RE1	SW6020B	119000		57600	57600	100	ug/kg dry
Beryllium	11	SW6020B	525		57.6	57.6	1	ug/kg dry
Cadmium	11	SW6020B	70.1		57.6	57.6	1	ug/kg dry
Chromium	11RE1	SW6020B	35800		5760	5760	100	ug/kg dry
Cobalt	11	SW6020B	14400		57.6	57.6	1	ug/kg dry
Copper	11RE1	SW6020B	36800		5760	5760	100	ug/kg dry
Lead	11	SW6020B	11900		57.6	57.6	1	ug/kg dry
Manganese	11RE1	SW6020B	477000		5760	5760	100	ug/kg dry
Nickel	11	SW6020B	16500		57.6	57.6	1	ug/kg dry
Selenium	11	SW6020B	1420		57.6	57.6	1	ug/kg dry
Silver	11	SW6020B	33.3		2.88	2.88	1	ug/kg dry
Thallium	11	SW6020B	95.0		57.6	57.6	1	ug/kg dry
Vanadium	11RE1	SW6020B	60600		28800	28800	100	ug/kg dry
Zinc	11RE1	SW6020B	48700		28800	28800	100	ug/kg dry
Acetone	11	SW8260D	32.9		10.7	10.7	1	ug/kg dry
Sulfate	11	SW9056A	4.28	J	2.89	11.6	1	mg/kg dry
Chromium, Hexavalent	11	SW7199	0.32		0.23	0.23	1	mg/kg dry

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Client Name: S&ME - Raleigh
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Laboratory Sample ID: **23L0675-12** **Client Sample ID:** **DUP-2**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Arsenic	12	SW6020B	1830		60.3	60.3	1	ug/kg dry
Barium	12RE1	SW6020B	100000		60300	60300	100	ug/kg dry
Beryllium	12RE1	SW6020B	669		301	301	5	ug/kg dry
Chromium	12RE1	SW6020B	36800		6030	6030	100	ug/kg dry
Cobalt	12RE1	SW6020B	34200		6030	6030	100	ug/kg dry
Copper	12RE1	SW6020B	40600		6030	6030	100	ug/kg dry
Lead	12	SW6020B	8210		60.3	60.3	1	ug/kg dry
Manganese	12RE1	SW6020B	417000		6030	6030	100	ug/kg dry
Mercury	12	SW7471B	0.019		0.010	0.010	1	mg/kg dry
Nickel	12	SW6020B	14900		60.3	60.3	1	ug/kg dry
Selenium	12	SW6020B	2020		60.3	60.3	1	ug/kg dry
Silver	12	SW6020B	18.5		3.01	3.01	1	ug/kg dry
Thallium	12	SW6020B	62.5		60.3	60.3	1	ug/kg dry
Vanadium	12RE1	SW6020B	76100		30100	30100	100	ug/kg dry
Zinc	12RE1	SW6020B	45200		30100	30100	100	ug/kg dry
Acetone	12	SW8260D	59.1		10.1	10.1	1	ug/kg dry
Sulfate	12	SW9056A	11.6	J	3.02	12.1	1	mg/kg dry
Chromium, Hexavalent	12	SW7199	0.60		0.24	0.24	1	mg/kg dry
Nitrate as N	12	SW9056A	2.83		1.21	2.41	1	mg/kg dry

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Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **23L0795-01** **Client Sample ID:** **SC-36**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Arsenic	01	SW6020B	2050		57.0	57.0	1	ug/kg dry
Barium	01RE1	SW6020B	168000		57000	57000	100	ug/kg dry
Beryllium	01	SW6020B	776		57.0	57.0	1	ug/kg dry
Cadmium	01	SW6020B	96.1		57.0	57.0	1	ug/kg dry
Chromium	01RE1	SW6020B	35700		5700	5700	100	ug/kg dry
Cobalt	01	SW6020B	14100		57.0	57.0	1	ug/kg dry
Copper	01RE1	SW6020B	42000		5700	5700	100	ug/kg dry
Lead	01	SW6020B	9740		57.0	57.0	1	ug/kg dry
Manganese	01RE1	SW6020B	575000		5700	5700	100	ug/kg dry
Mercury	01	SW7471B	0.020		0.009	0.009	1	mg/kg dry
Nickel	01	SW6020B	18300		57.0	57.0	1	ug/kg dry
Selenium	01	SW6020B	1560		57.0	57.0	1	ug/kg dry
Silver	01	SW6020B	28.9		2.85	2.85	1	ug/kg dry
Thallium	01	SW6020B	114		57.0	57.0	1	ug/kg dry
Vanadium	01RE1	SW6020B	73800		28500	28500	100	ug/kg dry
Zinc	01RE1	SW6020B	61100		28500	28500	100	ug/kg dry
Sulfate	01	SW9056A	41.8		2.93	11.7	1	mg/kg dry
Chromium, Hexavalent	01	SW7199	0.63		0.23	0.23	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **23L0795-02** **Client Sample ID:** **SC-45**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	02	SW6020B	132		57.9	57.9	1	ug/kg dry
Arsenic	02	SW6020B	3400		57.9	57.9	1	ug/kg dry
Barium	02RE1	SW6020B	134000		57900	57900	100	ug/kg dry
Beryllium	02	SW6020B	623		57.9	57.9	1	ug/kg dry
Cadmium	02	SW6020B	91.1		57.9	57.9	1	ug/kg dry
Chromium	02RE1	SW6020B	31800		5790	5790	100	ug/kg dry
Cobalt	02	SW6020B	11600		57.9	57.9	1	ug/kg dry
Copper	02RE1	SW6020B	45200		5790	5790	100	ug/kg dry
Lead	02RE1	SW6020B	26900		5790	5790	100	ug/kg dry
Manganese	02RE1	SW6020B	500000		5790	5790	100	ug/kg dry
Mercury	02	SW7471B	0.037		0.009	0.009	1	mg/kg dry
Nickel	02	SW6020B	13100		57.9	57.9	1	ug/kg dry
Selenium	02	SW6020B	2110		57.9	57.9	1	ug/kg dry
Silver	02	SW6020B	66.3		2.89	2.89	1	ug/kg dry
Thallium	02	SW6020B	103		57.9	57.9	1	ug/kg dry
Vanadium	02RE1	SW6020B	80400		28900	28900	100	ug/kg dry
Zinc	02RE1	SW6020B	59900		28900	28900	100	ug/kg dry
Sulfate	02	SW9056A	39.6		2.99	11.9	1	mg/kg dry
Chromium, Hexavalent	02	SW7199	0.58		0.24	0.24	1	mg/kg dry

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Client Name: S&ME - Raleigh
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Laboratory Sample ID: **23L0795-03** **Client Sample ID:** **SC-51**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	03	SW6020B	3460		57.1	57.1	1	ug/kg dry
Arsenic	03	SW6020B	17300		57.1	57.1	1	ug/kg dry
Barium	03RE1	SW6020B	148000		57100	57100	100	ug/kg dry
Beryllium	03	SW6020B	637		57.1	57.1	1	ug/kg dry
Cadmium	03	SW6020B	235		57.1	57.1	1	ug/kg dry
Chromium	03RE1	SW6020B	35500		5710	5710	100	ug/kg dry
Cobalt	03	SW6020B	17400		57.1	57.1	1	ug/kg dry
Copper	03RE1	SW6020B	112000		5710	5710	100	ug/kg dry
Lead	03RE1	SW6020B	183000		5710	5710	100	ug/kg dry
Manganese	03RE1	SW6020B	913000		5710	5710	100	ug/kg dry
Mercury	03	SW7471B	0.152		0.009	0.009	1	mg/kg dry
Nickel	03	SW6020B	11800		57.1	57.1	1	ug/kg dry
Selenium	03	SW6020B	1850		57.1	57.1	1	ug/kg dry
Silver	03	SW6020B	220		2.85	2.85	1	ug/kg dry
Thallium	03	SW6020B	128		57.1	57.1	1	ug/kg dry
Vanadium	03RE1	SW6020B	94600		28500	28500	100	ug/kg dry
Zinc	03RE1	SW6020B	110000		28500	28500	100	ug/kg dry
Acetone	03	SW8260D	41.1		9.59	10.0	1	ug/kg dry
Benzo (a) anthracene	03	SW8270E	526		382	382	4	ug/kg dry
Benzo (a) pyrene	03	SW8270E	717		382	382	4	ug/kg dry
Benzo (b) fluoranthene	03	SW8270E	907		382	382	4	ug/kg dry
Chrysene	03	SW8270E	385		382	382	4	ug/kg dry
Fluoranthene	03	SW8270E	720		382	382	4	ug/kg dry
Phenanthrene	03	SW8270E	560		382	382	4	ug/kg dry
Pyrene	03	SW8270E	746		382	382	4	ug/kg dry
Sulfate	03	SW9056A	74.1		2.94	11.8	1	mg/kg dry
Chromium, Hexavalent	03	SW7199	0.55		0.24	0.24	1	mg/kg dry

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Laboratory Sample ID: **23L0795-04** **Client Sample ID:** **SC-46**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	04	SW6020B	317		56.9	56.9	1	ug/kg dry
Arsenic	04	SW6020B	5030		56.9	56.9	1	ug/kg dry
Barium	04RE1	SW6020B	154000		56900	56900	100	ug/kg dry
Beryllium	04	SW6020B	577		56.9	56.9	1	ug/kg dry
Cadmium	04	SW6020B	106		56.9	56.9	1	ug/kg dry
Chromium	04RE1	SW6020B	30300		5690	5690	100	ug/kg dry
Cobalt	04	SW6020B	13700		56.9	56.9	1	ug/kg dry
Copper	04RE1	SW6020B	51700		5690	5690	100	ug/kg dry
Lead	04RE1	SW6020B	50600		5690	5690	100	ug/kg dry
Manganese	04RE1	SW6020B	505000		5690	5690	100	ug/kg dry
Mercury	04	SW7471B	0.058		0.009	0.009	1	mg/kg dry
Nickel	04	SW6020B	16900		56.9	56.9	1	ug/kg dry
Selenium	04	SW6020B	1480		56.9	56.9	1	ug/kg dry
Silver	04	SW6020B	88.9		2.84	2.84	1	ug/kg dry
Thallium	04	SW6020B	100		56.9	56.9	1	ug/kg dry
Vanadium	04RE1	SW6020B	71900		28400	28400	100	ug/kg dry
Zinc	04RE1	SW6020B	78100		28400	28400	100	ug/kg dry
Acetone	04	SW8260D	48.4		9.77	10.0	1	ug/kg dry
Sulfate	04	SW9056A	6.56	J	2.89	11.5	1	mg/kg dry
Chromium, Hexavalent	04	SW7199	0.45		0.23	0.23	1	mg/kg dry
Nitrate as N	04	SW9056A	1.58	J	1.15	2.31	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **23L0795-05** **Client Sample ID:** **SC-37**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Arsenic	05	SW6020B	2050		56.9	56.9	1	ug/kg dry
Barium	05RE1	SW6020B	179000		56900	56900	100	ug/kg dry
Beryllium	05	SW6020B	776		56.9	56.9	1	ug/kg dry
Cadmium	05	SW6020B	78.2		56.9	56.9	1	ug/kg dry
Chromium	05RE1	SW6020B	35800		5690	5690	100	ug/kg dry
Cobalt	05	SW6020B	14000		56.9	56.9	1	ug/kg dry
Copper	05RE1	SW6020B	50800		5690	5690	100	ug/kg dry
Lead	05	SW6020B	10700		56.9	56.9	1	ug/kg dry
Manganese	05RE1	SW6020B	417000		5690	5690	100	ug/kg dry
Mercury	05	SW7471B	0.016		0.010	0.010	1	mg/kg dry
Nickel	05	SW6020B	18900		56.9	56.9	1	ug/kg dry
Selenium	05	SW6020B	1290		56.9	56.9	1	ug/kg dry
Silver	05	SW6020B	44.8		2.84	2.84	1	ug/kg dry
Thallium	05	SW6020B	124		56.9	56.9	1	ug/kg dry
Vanadium	05RE1	SW6020B	89600		28400	28400	100	ug/kg dry
Zinc	05RE1	SW6020B	64200		28400	28400	100	ug/kg dry
2-Butanone (MEK)	05	SW8260D	7.17		5.41	5.41	1	ug/kg dry
Sulfate	05	SW9056A	6.86	J	3.06	12.2	1	mg/kg dry
Chromium, Hexavalent	05	SW7199	0.43		0.24	0.24	1	mg/kg dry
Nitrate as N	05	SW9056A	2.06	J	1.22	2.45	1	mg/kg dry

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Laboratory Sample ID: **23L0795-06** **Client Sample ID:** **SC-26**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Arsenic	06	SW6020B	1370		58.6	58.6	1	ug/kg dry
Barium	06RE1	SW6020B	156000		58600	58600	100	ug/kg dry
Beryllium	06	SW6020B	721		58.6	58.6	1	ug/kg dry
Cadmium	06	SW6020B	89.4		58.6	58.6	1	ug/kg dry
Chromium	06RE1	SW6020B	36900		5860	5860	100	ug/kg dry
Cobalt	06	SW6020B	13600		58.6	58.6	1	ug/kg dry
Copper	06RE1	SW6020B	40300		5860	5860	100	ug/kg dry
Lead	06	SW6020B	3300		58.6	58.6	1	ug/kg dry
Manganese	06RE1	SW6020B	483000		5860	5860	100	ug/kg dry
Nickel	06	SW6020B	20000		58.6	58.6	1	ug/kg dry
Selenium	06	SW6020B	1150		58.6	58.6	1	ug/kg dry
Silver	06	SW6020B	15.9		2.93	2.93	1	ug/kg dry
Thallium	06	SW6020B	95.8		58.6	58.6	1	ug/kg dry
Vanadium	06RE1	SW6020B	70800		29300	29300	100	ug/kg dry
Zinc	06RE1	SW6020B	47300		29300	29300	100	ug/kg dry
2-Butanone (MEK)	06	SW8260D	6.17		5.55	5.55	1	ug/kg dry
Acetone	06	SW8260D	73.5		11.1	11.1	1	ug/kg dry
Sulfate	06	SW9056A	4.17	J	2.95	11.8	1	mg/kg dry
Chromium, Hexavalent	06	SW7199	0.38		0.24	0.24	1	mg/kg dry

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Client Name: S&ME - Raleigh
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Laboratory Sample ID: **23L0795-07** **Client Sample ID:** **SC-61**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	07	SW6020B	1150		56.3	56.3	1	ug/kg dry
Arsenic	07RE1	SW6020B	36800		5630	5630	100	ug/kg dry
Barium	07RE1	SW6020B	129000		56300	56300	100	ug/kg dry
Beryllium	07	SW6020B	403		56.3	56.3	1	ug/kg dry
Cadmium	07	SW6020B	276		56.3	56.3	1	ug/kg dry
Chromium	07RE1	SW6020B	24300		5630	5630	100	ug/kg dry
Cobalt	07	SW6020B	10900		56.3	56.3	1	ug/kg dry
Copper	07RE1	SW6020B	53900		5630	5630	100	ug/kg dry
Lead	07RE1	SW6020B	541000		5630	5630	100	ug/kg dry
Manganese	07RE1	SW6020B	412000		5630	5630	100	ug/kg dry
Mercury	07RE1	SW7471B	0.718		0.036	0.036	4	mg/kg dry
Nickel	07	SW6020B	12500		56.3	56.3	1	ug/kg dry
Selenium	07	SW6020B	6030		56.3	56.3	1	ug/kg dry
Silver	07	SW6020B	155		2.82	2.82	1	ug/kg dry
Thallium	07	SW6020B	116		56.3	56.3	1	ug/kg dry
Vanadium	07RE1	SW6020B	66300		28200	28200	100	ug/kg dry
Zinc	07RE1	SW6020B	165000		28200	28200	100	ug/kg dry
2-Butanone (MEK)	07	SW8260D	9.15		6.48	6.48	1	ug/kg dry
Acetone	07	SW8260D	147		13.0	13.0	1	ug/kg dry
Chromium, Hexavalent	07	SW7199	0.24		0.24	0.24	1	mg/kg dry

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Client Name: S&ME - Raleigh
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Laboratory Sample ID: **23L0795-08** **Client Sample ID:** **SC-53**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Arsenic	08	SW6020B	1520		55.3	55.3	1	ug/kg dry
Barium	08RE1	SW6020B	240000		55300	55300	100	ug/kg dry
Beryllium	08	SW6020B	783		55.3	55.3	1	ug/kg dry
Cadmium	08	SW6020B	58.6		55.3	55.3	1	ug/kg dry
Chromium	08RE1	SW6020B	31300		5530	5530	100	ug/kg dry
Cobalt	08	SW6020B	14700		55.3	55.3	1	ug/kg dry
Copper	08RE1	SW6020B	79900		5530	5530	100	ug/kg dry
Lead	08	SW6020B	3780		55.3	55.3	1	ug/kg dry
Manganese	08RE1	SW6020B	474000		5530	5530	100	ug/kg dry
Nickel	08	SW6020B	19400		55.3	55.3	1	ug/kg dry
Selenium	08	SW6020B	1470		55.3	55.3	1	ug/kg dry
Silver	08	SW6020B	16.4		2.77	2.77	1	ug/kg dry
Thallium	08	SW6020B	94.3		55.3	55.3	1	ug/kg dry
Vanadium	08RE1	SW6020B	140000		27700	27700	100	ug/kg dry
Zinc	08RE1	SW6020B	68700		27700	27700	100	ug/kg dry
Acetone	08	SW8260D	48.7		11.3	11.3	1	ug/kg dry
Sulfate	08	SW9056A	4.34	J	3.01	12.0	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **23L0795-09** **Client Sample ID:** **SC-52**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Arsenic	09	SW6020B	1640		57.9	57.9	1	ug/kg dry
Barium	09RE1	SW6020B	117000		57900	57900	100	ug/kg dry
Beryllium	09	SW6020B	496		57.9	57.9	1	ug/kg dry
Chromium	09RE1	SW6020B	30800		5790	5790	100	ug/kg dry
Cobalt	09	SW6020B	10800		57.9	57.9	1	ug/kg dry
Copper	09RE1	SW6020B	33000		5790	5790	100	ug/kg dry
Lead	09	SW6020B	7480		57.9	57.9	1	ug/kg dry
Manganese	09RE1	SW6020B	360000		5790	5790	100	ug/kg dry
Mercury	09	SW7471B	0.029		0.010	0.010	1	mg/kg dry
Nickel	09	SW6020B	13100		57.9	57.9	1	ug/kg dry
Selenium	09	SW6020B	1310		57.9	57.9	1	ug/kg dry
Silver	09	SW6020B	19.4		2.89	2.89	1	ug/kg dry
Thallium	09	SW6020B	115		57.9	57.9	1	ug/kg dry
Vanadium	09RE1	SW6020B	62700		28900	28900	100	ug/kg dry
Zinc	09RE1	SW6020B	44800		28900	28900	100	ug/kg dry
Acetone	09	SW8260D	57.0		10.2	10.2	1	ug/kg dry
Sulfate	09	SW9056A	10.5	J	3.03	12.1	1	mg/kg dry
Chromium, Hexavalent	09	SW7199	0.59		0.24	0.24	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **23L0795-10** **Client Sample ID:** **Dup-3**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Arsenic	10	SW6020B	1460		55.9	55.9	1	ug/kg dry
Barium	10RE1	SW6020B	236000		55900	55900	100	ug/kg dry
Beryllium	10	SW6020B	722		55.9	55.9	1	ug/kg dry
Cadmium	10	SW6020B	66.9		55.9	55.9	1	ug/kg dry
Chromium	10RE1	SW6020B	29100		5590	5590	100	ug/kg dry
Cobalt	10	SW6020B	16700		55.9	55.9	1	ug/kg dry
Copper	10RE1	SW6020B	63700		5590	5590	100	ug/kg dry
Lead	10	SW6020B	2990		55.9	55.9	1	ug/kg dry
Manganese	10RE1	SW6020B	499000		5590	5590	100	ug/kg dry
Nickel	10	SW6020B	19600		55.9	55.9	1	ug/kg dry
Selenium	10	SW6020B	1580		55.9	55.9	1	ug/kg dry
Silver	10	SW6020B	16.5		2.80	2.80	1	ug/kg dry
Thallium	10	SW6020B	98.8		55.9	55.9	1	ug/kg dry
Vanadium	10RE1	SW6020B	117000		28000	28000	100	ug/kg dry
Zinc	10RE1	SW6020B	58900		28000	28000	100	ug/kg dry
Acetone	10	SW8260D	69.3		10.6	10.6	1	ug/kg dry
Sulfate	10	SW9056A	5.54	J	2.97	11.9	1	mg/kg dry
Chromium, Hexavalent	10	SW7199	0.25		0.24	0.24	1	mg/kg dry

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Client Name: S&ME - Raleigh
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Laboratory Sample ID: **23L0912-01** **Client Sample ID:** **SC-63**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	01	SW6020B	115		57.8	57.8	1	ug/kg dry
Arsenic	01	SW6020B	1820		57.8	57.8	1	ug/kg dry
Barium	01RE1	SW6020B	89500		57800	57800	100	ug/kg dry
Beryllium	01	SW6020B	422		57.8	57.8	1	ug/kg dry
Chromium	01RE1	SW6020B	38900		5780	5780	100	ug/kg dry
Cobalt	01	SW6020B	10200		57.8	57.8	1	ug/kg dry
Copper	01RE1	SW6020B	35200		5780	5780	100	ug/kg dry
Lead	01	SW6020B	16700		57.8	57.8	1	ug/kg dry
Manganese	01RE1	SW6020B	334000		5780	5780	100	ug/kg dry
Mercury	01	SW7471B	0.162		0.010	0.010	1	mg/kg dry
Nickel	01	SW6020B	14500		57.8	57.8	1	ug/kg dry
Selenium	01	SW6020B	1170		57.8	57.8	1	ug/kg dry
Silver	01	SW6020B	15.0		2.89	2.89	1	ug/kg dry
Thallium	01	SW6020B	93.1		57.8	57.8	1	ug/kg dry
Vanadium	01RE1	SW6020B	58700		28900	28900	100	ug/kg dry
Zinc	01RE1	SW6020B	60900		28900	28900	100	ug/kg dry
2-Butanone (MEK)	01	SW8260D	9.96		5.10	5.10	1	ug/kg dry
Acetone	01	SW8260D	231		10.2	10.2	1	ug/kg dry
Sulfate	01	SW9056A	22.4		3.04	12.2	1	mg/kg dry
Chromium, Hexavalent	01	SW7199	0.71		0.24	0.24	1	mg/kg dry

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Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **23L0912-02** **Client Sample ID:** **SC-60**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	02	SW6020B	307		58.9	58.9	1	ug/kg dry
Arsenic	02	SW6020B	2050		58.9	58.9	1	ug/kg dry
Barium	02RE1	SW6020B	64400		58900	58900	100	ug/kg dry
Beryllium	02	SW6020B	501		58.9	58.9	1	ug/kg dry
Cadmium	02	SW6020B	219		58.9	58.9	1	ug/kg dry
Chromium	02RE1	SW6020B	36600		5890	5890	100	ug/kg dry
Cobalt	02	SW6020B	10800		58.9	58.9	1	ug/kg dry
Copper	02RE1	SW6020B	60700		5890	5890	100	ug/kg dry
Lead	02RE1	SW6020B	91000		5890	5890	100	ug/kg dry
Manganese	02RE1	SW6020B	382000		5890	5890	100	ug/kg dry
Mercury	02	SW7471B	0.061		0.010	0.010	1	mg/kg dry
Nickel	02	SW6020B	12700		58.9	58.9	1	ug/kg dry
Selenium	02	SW6020B	1520		58.9	58.9	1	ug/kg dry
Silver	02	SW6020B	28.5		2.95	2.95	1	ug/kg dry
Thallium	02	SW6020B	79.2		58.9	58.9	1	ug/kg dry
Vanadium	02RE1	SW6020B	73900		29500	29500	100	ug/kg dry
Zinc	02RE1	SW6020B	98700		29500	29500	100	ug/kg dry
2-Butanone (MEK)	02	SW8260D	19.1		5.60	5.60	1	ug/kg dry
Acetone	02	SW8260D	374		11.2	11.2	1	ug/kg dry
Sulfate	02	SW9056A	9.71	J	3.03	12.1	1	mg/kg dry
Chromium, Hexavalent	02	SW7199	0.71		0.24	0.24	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **23L0912-03** **Client Sample ID:** **SC-55**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	03	SW6020B	336		54.2	54.2	1	ug/kg dry
Arsenic	03	SW6020B	2540		54.2	54.2	1	ug/kg dry
Barium	03RE1	SW6020B	34100		27100	27100	50	ug/kg dry
Beryllium	03	SW6020B	370		54.2	54.2	1	ug/kg dry
Chromium	03RE1	SW6020B	24200		5420	5420	100	ug/kg dry
Cobalt	03	SW6020B	5190		54.2	54.2	1	ug/kg dry
Copper	03	SW6020B	11700		54.2	54.2	1	ug/kg dry
Lead	03RE1	SW6020B	26000		5420	5420	100	ug/kg dry
Manganese	03RE1	SW6020B	220000		5420	5420	100	ug/kg dry
Mercury	03	SW7471B	0.013		0.009	0.009	1	mg/kg dry
Nickel	03	SW6020B	5790		54.2	54.2	1	ug/kg dry
Selenium	03	SW6020B	731		54.2	54.2	1	ug/kg dry
Silver	03	SW6020B	25.5		2.71	2.71	1	ug/kg dry
Thallium	03	SW6020B	69.9		54.2	54.2	1	ug/kg dry
Vanadium	03RE1	SW6020B	33000		27100	27100	100	ug/kg dry
Zinc	03RE1	SW6020B	32900		27100	27100	100	ug/kg dry
Acetone	03	SW8260D	93.9		10.5	10.5	1	ug/kg dry
Chromium, Hexavalent	03	SW7199	0.37		0.23	0.23	1	mg/kg dry

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Client Name: S&ME - Raleigh
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Laboratory Sample ID: **23L0912-04** **Client Sample ID:** **SC-50**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	04	SW6020B	580		55.2	55.2	1	ug/kg dry
Arsenic	04	SW6020B	2360		55.2	55.2	1	ug/kg dry
Barium	04RE1	SW6020B	66600		55200	55200	100	ug/kg dry
Beryllium	04	SW6020B	476		55.2	55.2	1	ug/kg dry
Cadmium	04	SW6020B	56.6		55.2	55.2	1	ug/kg dry
Chromium	04RE1	SW6020B	62500		5520	5520	100	ug/kg dry
Cobalt	04RE1	SW6020B	26600		5520	5520	100	ug/kg dry
Copper	04RE1	SW6020B	36100		5520	5520	100	ug/kg dry
Lead	04RE1	SW6020B	75100		5520	5520	100	ug/kg dry
Manganese	04RE1	SW6020B	1110000		5520	5520	100	ug/kg dry
Mercury	04	SW7471B	0.055		0.009	0.009	1	mg/kg dry
Nickel	04	SW6020B	12800		55.2	55.2	1	ug/kg dry
Selenium	04	SW6020B	1160		55.2	55.2	1	ug/kg dry
Silver	04	SW6020B	34.9		2.76	2.76	1	ug/kg dry
Thallium	04	SW6020B	122		55.2	55.2	1	ug/kg dry
Vanadium	04RE1	SW6020B	91200		27600	27600	100	ug/kg dry
Zinc	04RE1	SW6020B	64500		27600	27600	100	ug/kg dry
2-Butanone (MEK)	04	SW8260D	15.1		5.29	5.29	1	ug/kg dry
Acetone	04	SW8260D	301		10.6	10.6	1	ug/kg dry
Sulfate	04	SW9056A	10.3	J	3.01	12.0	1	mg/kg dry
Chromium, Hexavalent	04	SW7199	0.42		0.24	0.24	1	mg/kg dry

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Laboratory Sample ID: **23L0912-05** **Client Sample ID:** **SC-56**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	05	SW6020B	236		61.1	61.1	1	ug/kg dry
Arsenic	05	SW6020B	2980		61.1	61.1	1	ug/kg dry
Barium	05RE1	SW6020B	88700		61100	61100	100	ug/kg dry
Beryllium	05	SW6020B	552		61.1	61.1	1	ug/kg dry
Cadmium	05	SW6020B	114		61.1	61.1	1	ug/kg dry
Chromium	05RE1	SW6020B	112000		6110	6110	100	ug/kg dry
Cobalt	05	SW6020B	19400		61.1	61.1	1	ug/kg dry
Copper	05RE1	SW6020B	60100		6110	6110	100	ug/kg dry
Lead	05RE1	SW6020B	40100		6110	6110	100	ug/kg dry
Manganese	05RE1	SW6020B	484000		6110	6110	100	ug/kg dry
Mercury	05	SW7471B	0.048		0.010	0.010	1	mg/kg dry
Nickel	05RE1	SW6020B	38900		6110	6110	100	ug/kg dry
Selenium	05	SW6020B	1900		61.1	61.1	1	ug/kg dry
Silver	05	SW6020B	21.3		3.05	3.05	1	ug/kg dry
Thallium	05	SW6020B	79.3		61.1	61.1	1	ug/kg dry
Vanadium	05RE1	SW6020B	120000		30500	30500	100	ug/kg dry
Zinc	05RE1	SW6020B	74600		30500	30500	100	ug/kg dry
2-Butanone (MEK)	05	SW8260D	11.0		6.09	6.09	1	ug/kg dry
Acetone	05	SW8260D	257		12.2	12.2	1	ug/kg dry
Sulfate	05	SW9056A	8.07	J	3.14	12.5	1	mg/kg dry
Chromium, Hexavalent	05	SW7199	0.49		0.25	0.25	1	mg/kg dry

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Laboratory Sample ID: **23L0912-06** **Client Sample ID:** **SC-47**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Arsenic	06	SW6020B	1410		56.2	56.2	1	ug/kg dry
Barium	06RE1	SW6020B	160000		56200	56200	100	ug/kg dry
Beryllium	06	SW6020B	715		56.2	56.2	1	ug/kg dry
Chromium	06RE1	SW6020B	28400		5620	5620	100	ug/kg dry
Cobalt	06	SW6020B	10000		56.2	56.2	1	ug/kg dry
Copper	06RE1	SW6020B	28000		5620	5620	100	ug/kg dry
Lead	06	SW6020B	3900		56.2	56.2	1	ug/kg dry
Manganese	06RE1	SW6020B	302000		5620	5620	100	ug/kg dry
Nickel	06	SW6020B	13900		56.2	56.2	1	ug/kg dry
Selenium	06	SW6020B	1380		56.2	56.2	1	ug/kg dry
Silver	06	SW6020B	9.48		2.81	2.81	1	ug/kg dry
Thallium	06	SW6020B	101		56.2	56.2	1	ug/kg dry
Vanadium	06RE1	SW6020B	61900		28100	28100	100	ug/kg dry
Zinc	06RE1	SW6020B	41200		28100	28100	100	ug/kg dry
Acetone	06	SW8260D	52.4		9.11	10.0	1	ug/kg dry
Sulfate	06	SW9056A	4.54	J	2.86	11.5	1	mg/kg dry

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Laboratory Sample ID: **23L0912-07** **Client Sample ID:** **SC-48**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Arsenic	07	SW6020B	1650		57.9	57.9	1	ug/kg dry
Barium	07RE1	SW6020B	226000		57900	57900	100	ug/kg dry
Beryllium	07	SW6020B	713		57.9	57.9	1	ug/kg dry
Cadmium	07	SW6020B	58.7		57.9	57.9	1	ug/kg dry
Chromium	07RE1	SW6020B	28700		5790	5790	100	ug/kg dry
Cobalt	07	SW6020B	16700		57.9	57.9	1	ug/kg dry
Copper	07RE1	SW6020B	72300		5790	5790	100	ug/kg dry
Lead	07	SW6020B	3490		57.9	57.9	1	ug/kg dry
Manganese	07RE1	SW6020B	489000		5790	5790	100	ug/kg dry
Nickel	07	SW6020B	19800		57.9	57.9	1	ug/kg dry
Selenium	07	SW6020B	1840		57.9	57.9	1	ug/kg dry
Silver	07	SW6020B	19.8		2.89	2.89	1	ug/kg dry
Thallium	07	SW6020B	106		57.9	57.9	1	ug/kg dry
Vanadium	07RE1	SW6020B	115000		28900	28900	100	ug/kg dry
Zinc	07RE1	SW6020B	60300		28900	28900	100	ug/kg dry

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Client Name: S&ME - Raleigh
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Laboratory Sample ID: **23L0912-08** **Client Sample ID:** **SC-49**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	08	SW6020B	151		57.3	57.3	1	ug/kg dry
Arsenic	08	SW6020B	2800		57.3	57.3	1	ug/kg dry
Barium	08RE1	SW6020B	94700		57300	57300	100	ug/kg dry
Beryllium	08	SW6020B	643		57.3	57.3	1	ug/kg dry
Cadmium	08	SW6020B	129		57.3	57.3	1	ug/kg dry
Chromium	08RE1	SW6020B	58100		5730	5730	100	ug/kg dry
Cobalt	08	SW6020B	19500		57.3	57.3	1	ug/kg dry
Copper	08RE1	SW6020B	65200		5730	5730	100	ug/kg dry
Lead	08RE1	SW6020B	48600		5730	5730	100	ug/kg dry
Manganese	08RE1	SW6020B	637000		5730	5730	100	ug/kg dry
Mercury	08	SW7471B	0.053		0.009	0.009	1	mg/kg dry
Nickel	08	SW6020B	17400		57.3	57.3	1	ug/kg dry
Selenium	08	SW6020B	1720		57.3	57.3	1	ug/kg dry
Silver	08	SW6020B	88.5		2.87	2.87	1	ug/kg dry
Thallium	08	SW6020B	115		57.3	57.3	1	ug/kg dry
Vanadium	08RE1	SW6020B	103000		28700	28700	100	ug/kg dry
Zinc	08RE1	SW6020B	79400		28700	28700	100	ug/kg dry
Acetone	08	SW8260D	138		9.60	10.0	1	ug/kg dry
Sulfate	08	SW9056A	16.3		2.97	11.9	1	mg/kg dry
Chromium, Hexavalent	08	SW7199	0.35		0.24	0.24	1	mg/kg dry
Nitrate as N	08	SW9056A	1.23	J	1.19	2.38	1	mg/kg dry

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Laboratory Sample ID: **23L0912-09** **Client Sample ID:** **SC-54**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	09	SW6020B	198		56.9	56.9	1	ug/kg dry
Arsenic	09	SW6020B	2570		56.9	56.9	1	ug/kg dry
Barium	09RE1	SW6020B	97400		56900	56900	100	ug/kg dry
Beryllium	09	SW6020B	573		56.9	56.9	1	ug/kg dry
Cadmium	09	SW6020B	368		56.9	56.9	1	ug/kg dry
Chromium	09RE1	SW6020B	43000		5690	5690	100	ug/kg dry
Cobalt	09	SW6020B	14700		56.9	56.9	1	ug/kg dry
Copper	09RE1	SW6020B	65100		5690	5690	100	ug/kg dry
Lead	09RE1	SW6020B	90000		5690	5690	100	ug/kg dry
Manganese	09RE1	SW6020B	485000		5690	5690	100	ug/kg dry
Mercury	09	SW7471B	0.118		0.010	0.010	1	mg/kg dry
Nickel	09	SW6020B	17400		56.9	56.9	1	ug/kg dry
Selenium	09	SW6020B	1570		56.9	56.9	1	ug/kg dry
Silver	09	SW6020B	124		2.84	2.84	1	ug/kg dry
Thallium	09	SW6020B	92.4		56.9	56.9	1	ug/kg dry
Vanadium	09RE1	SW6020B	92900		28400	28400	100	ug/kg dry
Zinc	09RE1	SW6020B	121000		28400	28400	100	ug/kg dry
2-Butanone (MEK)	09	SW8260D	12.7		6.51	6.51	1	ug/kg dry
Acetone	09	SW8260D	205		13.0	13.0	1	ug/kg dry
Sulfate	09	SW9056A	11.3	J	3.05	12.2	1	mg/kg dry
Chromium, Hexavalent	09	SW7199	0.86		0.24	0.24	1	mg/kg dry
Nitrate as N	09	SW9056A	3.10		1.22	2.44	1	mg/kg dry

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Laboratory Sample ID: **23L0912-10** **Client Sample ID:** **SC-38**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	10	SW6020B	84.7		55.5	55.5	1	ug/kg dry
Arsenic	10	SW6020B	2190		55.5	55.5	1	ug/kg dry
Barium	10RE1	SW6020B	140000		55500	55500	100	ug/kg dry
Beryllium	10	SW6020B	528		55.5	55.5	1	ug/kg dry
Cadmium	10	SW6020B	122		55.5	55.5	1	ug/kg dry
Chromium	10RE1	SW6020B	28400		5550	5550	100	ug/kg dry
Cobalt	10	SW6020B	13600		55.5	55.5	1	ug/kg dry
Copper	10RE1	SW6020B	41800		5550	5550	100	ug/kg dry
Lead	10RE1	SW6020B	20800		5550	5550	100	ug/kg dry
Manganese	10RE1	SW6020B	476000		5550	5550	100	ug/kg dry
Mercury	10	SW7471B	0.043		0.009	0.009	1	mg/kg dry
Nickel	10	SW6020B	19900		55.5	55.5	1	ug/kg dry
Selenium	10	SW6020B	1270		55.5	55.5	1	ug/kg dry
Silver	10	SW6020B	45.1		2.77	2.77	1	ug/kg dry
Thallium	10	SW6020B	129		55.5	55.5	1	ug/kg dry
Vanadium	10RE1	SW6020B	66900		27700	27700	100	ug/kg dry
Zinc	10RE1	SW6020B	64900		27700	27700	100	ug/kg dry
Acetone	10	SW8260D	108		10.7	10.7	1	ug/kg dry
Sulfate	10	SW9056A	4.12	J	2.93	11.7	1	mg/kg dry
Chromium, Hexavalent	10	SW7199	0.33		0.23	0.23	1	mg/kg dry

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Client Name: S&ME - Raleigh
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Laboratory Sample ID: **23L0912-11** **Client Sample ID:** **SC-39**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Arsenic	11	SW6020B	1490		54.9	54.9	1	ug/kg dry
Barium	11RE1	SW6020B	148000		54900	54900	100	ug/kg dry
Beryllium	11	SW6020B	611		54.9	54.9	1	ug/kg dry
Chromium	11RE1	SW6020B	26400		5490	5490	100	ug/kg dry
Cobalt	11	SW6020B	12800		54.9	54.9	1	ug/kg dry
Copper	11RE1	SW6020B	36200		5490	5490	100	ug/kg dry
Lead	11	SW6020B	3980		54.9	54.9	1	ug/kg dry
Manganese	11RE1	SW6020B	430000		5490	5490	100	ug/kg dry
Nickel	11	SW6020B	15200		54.9	54.9	1	ug/kg dry
Selenium	11	SW6020B	1310		54.9	54.9	1	ug/kg dry
Silver	11	SW6020B	15.7		2.74	2.74	1	ug/kg dry
Thallium	11	SW6020B	116		54.9	54.9	1	ug/kg dry
Vanadium	11RE1	SW6020B	64100		27400	27400	100	ug/kg dry
Zinc	11RE1	SW6020B	47100		27400	27400	100	ug/kg dry
Acetone	11	SW8260D	121		9.75	10.0	1	ug/kg dry
Sulfate	11	SW9056A	3.65	J	2.97	11.9	1	mg/kg dry

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Laboratory Sample ID: **23L0912-12** **Client Sample ID:** **Dup-4**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Arsenic	12	SW6020B	1180		52.8	52.8	1	ug/kg dry
Barium	12RE1	SW6020B	119000		52800	52800	100	ug/kg dry
Beryllium	12	SW6020B	486		52.8	52.8	1	ug/kg dry
Chromium	12	SW6020B	17200		52.8	52.8	1	ug/kg dry
Cobalt	12	SW6020B	7890		52.8	52.8	1	ug/kg dry
Copper	12	SW6020B	19000		52.8	52.8	1	ug/kg dry
Lead	12	SW6020B	3050		52.8	52.8	1	ug/kg dry
Manganese	12RE1	SW6020B	247000		5280	5280	100	ug/kg dry
Nickel	12	SW6020B	10600		52.8	52.8	1	ug/kg dry
Selenium	12	SW6020B	1330		52.8	52.8	1	ug/kg dry
Silver	12	SW6020B	11.4		2.64	2.64	1	ug/kg dry
Thallium	12	SW6020B	93.1		52.8	52.8	1	ug/kg dry
Vanadium	12RE1	SW6020B	50000		26400	26400	100	ug/kg dry
Zinc	12RE1	SW6020B	32000		26400	26400	100	ug/kg dry
Acetone	12	SW8260D	77.4		10.3	10.3	1	ug/kg dry
Sulfate	12	SW9056A	4.84	J	2.82	11.3	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
Submitted To: Tom Raymond

Laboratory Sample ID: **23L1137-01** **Client Sample ID:** **SC-33**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	01	SW6020B	273		60.3	60.3	1	ug/kg dry
Arsenic	01	SW6020B	2570		60.3	60.3	1	ug/kg dry
Barium	01RE1	SW6020B	122000		60300	60300	100	ug/kg dry
Beryllium	01	SW6020B	473		60.3	60.3	1	ug/kg dry
Cadmium	01	SW6020B	114		60.3	60.3	1	ug/kg dry
Chromium	01RE1	SW6020B	55600		6030	6030	100	ug/kg dry
Cobalt	01	SW6020B	17700		60.3	60.3	1	ug/kg dry
Copper	01RE1	SW6020B	49000		6030	6030	100	ug/kg dry
Lead	01RE1	SW6020B	53600		6030	6030	100	ug/kg dry
Manganese	01RE1	SW6020B	555000		6030	6030	100	ug/kg dry
Mercury	01	SW7471B	0.025		0.010	0.010	1	mg/kg dry
Nickel	01	SW6020B	28600		60.3	60.3	1	ug/kg dry
Selenium	01	SW6020B	2160		60.3	60.3	1	ug/kg dry
Silver	01	SW6020B	28.7		3.01	3.01	1	ug/kg dry
Thallium	01	SW6020B	120		60.3	60.3	1	ug/kg dry
Vanadium	01RE1	SW6020B	71300		30100	30100	100	ug/kg dry
Zinc	01RE1	SW6020B	88400		30100	30100	100	ug/kg dry
Acetone	01	SW8260D	41.1		10.0	10.0	1	ug/kg dry
Sulfate	01	SW9056A	7.86	J	3.12	12.5	1	mg/kg dry
Chromium, Hexavalent	01RE1	SW7199	1.04		0.25	0.25	1	mg/kg dry
Nitrate as N	01	SW9056A	3.19		1.25	2.50	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **23L1137-02** **Client Sample ID:** **SC-32**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	02	SW6020B	207		59.4	59.4	1	ug/kg dry
Arsenic	02	SW6020B	1660		59.4	59.4	1	ug/kg dry
Barium	02RE1	SW6020B	153000		59400	59400	100	ug/kg dry
Beryllium	02	SW6020B	479		59.4	59.4	1	ug/kg dry
Cadmium	02	SW6020B	95.7		59.4	59.4	1	ug/kg dry
Chromium	02RE1	SW6020B	62200		5940	5940	100	ug/kg dry
Cobalt	02	SW6020B	20600		59.4	59.4	1	ug/kg dry
Copper	02RE1	SW6020B	59000		5940	5940	100	ug/kg dry
Lead	02RE1	SW6020B	50900		5940	5940	100	ug/kg dry
Manganese	02RE1	SW6020B	549000		5940	5940	100	ug/kg dry
Mercury	02	SW7471B	0.031		0.010	0.010	1	mg/kg dry
Nickel	02RE1	SW6020B	38000		5940	5940	100	ug/kg dry
Selenium	02	SW6020B	2500		59.4	59.4	1	ug/kg dry
Silver	02	SW6020B	23.5		2.97	2.97	1	ug/kg dry
Thallium	02	SW6020B	94.2		59.4	59.4	1	ug/kg dry
Vanadium	02RE1	SW6020B	83900		29700	29700	100	ug/kg dry
Zinc	02RE1	SW6020B	97100		29700	29700	100	ug/kg dry
Acetone	02	SW8260D	57.7		10.0	10.0	1	ug/kg dry
Sulfate	02	SW9056A	6.43	J	3.05	12.2	1	mg/kg dry
Chromium, Hexavalent	02	SW7199	0.64		0.24	0.24	1	mg/kg dry
Nitrate as N	02	SW9056A	1.24	J	1.22	2.44	1	mg/kg dry

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Laboratory Sample ID: **23L1137-03** **Client Sample ID:** **SC-31**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	03	SW6020B	358		56.9	56.9	1	ug/kg dry
Arsenic	03	SW6020B	2360		56.9	56.9	1	ug/kg dry
Barium	03RE1	SW6020B	116000		56900	56900	100	ug/kg dry
Beryllium	03	SW6020B	432		56.9	56.9	1	ug/kg dry
Cadmium	03	SW6020B	198		56.9	56.9	1	ug/kg dry
Chromium	03RE1	SW6020B	50400		5690	5690	100	ug/kg dry
Cobalt	03	SW6020B	14600		56.9	56.9	1	ug/kg dry
Copper	03RE1	SW6020B	52100		5690	5690	100	ug/kg dry
Lead	03RE1	SW6020B	104000		5690	5690	100	ug/kg dry
Manganese	03RE1	SW6020B	472000		5690	5690	100	ug/kg dry
Mercury	03	SW7471B	0.138		0.010	0.010	1	mg/kg dry
Nickel	03	SW6020B	22400		56.9	56.9	1	ug/kg dry
Selenium	03	SW6020B	2550		56.9	56.9	1	ug/kg dry
Silver	03	SW6020B	135		2.84	2.84	1	ug/kg dry
Thallium	03	SW6020B	104		56.9	56.9	1	ug/kg dry
Vanadium	03RE1	SW6020B	65300		28400	28400	100	ug/kg dry
Zinc	03RE1	SW6020B	120000		28400	28400	100	ug/kg dry
Acetone	03	SW8260D	39.3		10.1	10.1	1	ug/kg dry
Sulfate	03	SW9056A	26.4		3.03	12.1	1	mg/kg dry
Chromium, Hexavalent	03	SW7199	0.87		0.24	0.24	1	mg/kg dry
Nitrate as N	03	SW9056A	1.67	J	1.21	2.43	1	mg/kg dry

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Laboratory Sample ID: **23L1137-04** **Client Sample ID:** **SC-42**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	04	SW6020B	270		59.5	59.5	1	ug/kg dry
Arsenic	04	SW6020B	1730		59.5	59.5	1	ug/kg dry
Barium	04RE1	SW6020B	123000		59500	59500	100	ug/kg dry
Beryllium	04	SW6020B	368		59.5	59.5	1	ug/kg dry
Cadmium	04	SW6020B	528		59.5	59.5	1	ug/kg dry
Chromium	04RE1	SW6020B	54000		5950	5950	100	ug/kg dry
Cobalt	04	SW6020B	14100		59.5	59.5	1	ug/kg dry
Copper	04RE1	SW6020B	55900		5950	5950	100	ug/kg dry
Lead	04RE1	SW6020B	119000		5950	5950	100	ug/kg dry
Manganese	04RE1	SW6020B	442000		5950	5950	100	ug/kg dry
Mercury	04	SW7471B	0.052		0.009	0.009	1	mg/kg dry
Nickel	04	SW6020B	20000		59.5	59.5	1	ug/kg dry
Selenium	04	SW6020B	2670		59.5	59.5	1	ug/kg dry
Silver	04	SW6020B	125		2.97	2.97	1	ug/kg dry
Thallium	04	SW6020B	84.9		59.5	59.5	1	ug/kg dry
Vanadium	04RE1	SW6020B	68000		29700	29700	100	ug/kg dry
Zinc	04RE1	SW6020B	200000		29700	29700	100	ug/kg dry
Acetone	04	SW8260D	57.7		10.6	10.6	1	ug/kg dry
Fluoranthene	04	SW8270E	561		403	403	4	ug/kg dry
Pyrene	04	SW8270E	440		403	403	4	ug/kg dry
Sulfate	04	SW9056A	8.93	J	3.06	12.3	1	mg/kg dry
Ammonia as N	04	EPA350.1 R2.0	14.7		11.5	11.5	1	mg/kg dry
Chromium, Hexavalent	04	SW7199	0.92		0.24	0.24	1	mg/kg dry

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Laboratory Sample ID: **23L1137-05** **Client Sample ID:** **SC-43**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	05	SW6020B	121		62.2	62.2	1	ug/kg dry
Arsenic	05	SW6020B	1550		62.2	62.2	1	ug/kg dry
Barium	05RE1	SW6020B	94700		62200	62200	100	ug/kg dry
Beryllium	05	SW6020B	371		62.2	62.2	1	ug/kg dry
Cadmium	05	SW6020B	115		62.2	62.2	1	ug/kg dry
Chromium	05	SW6020B	11500		62.2	62.2	1	ug/kg dry
Cobalt	05	SW6020B	21000		62.2	62.2	1	ug/kg dry
Copper	05RE1	SW6020B	44900		6220	6220	100	ug/kg dry
Lead	05	SW6020B	19900		62.2	62.2	1	ug/kg dry
Manganese	05RE1	SW6020B	376000		6220	6220	100	ug/kg dry
Mercury	05	SW7471B	0.026		0.010	0.010	1	mg/kg dry
Nickel	05	SW6020B	6290		62.2	62.2	1	ug/kg dry
Selenium	05	SW6020B	3500		62.2	62.2	1	ug/kg dry
Silver	05	SW6020B	19.3		3.11	3.11	1	ug/kg dry
Vanadium	05RE1	SW6020B	71700		31100	31100	100	ug/kg dry
Zinc	05RE1	SW6020B	73000		31100	31100	100	ug/kg dry
Acetone	05	SW8260D	45.4		10.8	10.8	1	ug/kg dry
Sulfate	05	SW9056A	8.16	J	3.16	12.6	1	mg/kg dry
Nitrate as N	05	SW9056A	5.41		1.26	2.53	1	mg/kg dry

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Client Name: S&ME - Raleigh
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Laboratory Sample ID: **23L1137-06** **Client Sample ID:** **SC-30**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	06	SW6020B	193		59.3	59.3	1	ug/kg dry
Arsenic	06	SW6020B	3160		59.3	59.3	1	ug/kg dry
Barium	06RE1	SW6020B	95400		59300	59300	100	ug/kg dry
Beryllium	06	SW6020B	422		59.3	59.3	1	ug/kg dry
Cadmium	06	SW6020B	280		59.3	59.3	1	ug/kg dry
Chromium	06RE1	SW6020B	66100		5930	5930	100	ug/kg dry
Cobalt	06	SW6020B	16500		59.3	59.3	1	ug/kg dry
Copper	06RE1	SW6020B	84500		5930	5930	100	ug/kg dry
Lead	06RE1	SW6020B	99200		5930	5930	100	ug/kg dry
Manganese	06RE1	SW6020B	453000		5930	5930	100	ug/kg dry
Mercury	06RE1	SW7471B	0.733		0.038	0.038	4	mg/kg dry
Nickel	06	SW6020B	25400		59.3	59.3	1	ug/kg dry
Selenium	06	SW6020B	2340		59.3	59.3	1	ug/kg dry
Silver	06	SW6020B	205		2.96	2.96	1	ug/kg dry
Thallium	06	SW6020B	96.9		59.3	59.3	1	ug/kg dry
Vanadium	06RE1	SW6020B	77600		29600	29600	100	ug/kg dry
Zinc	06RE1	SW6020B	117000		29600	29600	100	ug/kg dry
Acetone	06	SW8260D	84.4		12.3	12.3	1	ug/kg dry
Sulfate	06	SW9056A	20.2		3.07	12.3	1	mg/kg dry
Chromium, Hexavalent	06	SW7199	0.74		0.25	0.25	1	mg/kg dry
Nitrate as N	06	SW9056A	4.41		1.23	2.46	1	mg/kg dry

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Client Name: S&ME - Raleigh
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Laboratory Sample ID: **23L1137-07** **Client Sample ID:** **SC-41**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	07	SW6020B	97.8		58.0	58.0	1	ug/kg dry
Arsenic	07	SW6020B	3050		58.0	58.0	1	ug/kg dry
Barium	07RE1	SW6020B	124000		58000	58000	100	ug/kg dry
Beryllium	07	SW6020B	507		58.0	58.0	1	ug/kg dry
Cadmium	07	SW6020B	285		58.0	58.0	1	ug/kg dry
Chromium	07RE1	SW6020B	46200		5800	5800	100	ug/kg dry
Cobalt	07	SW6020B	16400		58.0	58.0	1	ug/kg dry
Copper	07RE1	SW6020B	73600		5800	5800	100	ug/kg dry
Lead	07RE1	SW6020B	74200		5800	5800	100	ug/kg dry
Manganese	07RE1	SW6020B	569000		5800	5800	100	ug/kg dry
Mercury	07	SW7471B	0.140		0.009	0.009	1	mg/kg dry
Nickel	07	SW6020B	19300		58.0	58.0	1	ug/kg dry
Selenium	07	SW6020B	2970		58.0	58.0	1	ug/kg dry
Silver	07	SW6020B	137		2.90	2.90	1	ug/kg dry
Thallium	07	SW6020B	88.5		58.0	58.0	1	ug/kg dry
Vanadium	07RE1	SW6020B	89200		29000	29000	100	ug/kg dry
Zinc	07RE1	SW6020B	141000		29000	29000	100	ug/kg dry
2-Butanone (MEK)	07	SW8260D	9.21		5.11	5.11	1	ug/kg dry
Acetone	07	SW8260D	211		10.2	10.2	1	ug/kg dry
Sulfate	07	SW9056A	13.1		2.94	11.8	1	mg/kg dry
Chromium, Hexavalent	07	SW7199	1.12		0.24	0.24	1	mg/kg dry
Nitrate as N	07	SW9056A	1.67	J	1.18	2.35	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **23L1137-08** **Client Sample ID:** **SC-40**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Arsenic	08	SW6020B	3010		56.7	56.7	1	ug/kg dry
Barium	08RE1	SW6020B	96700		56700	56700	100	ug/kg dry
Beryllium	08	SW6020B	527		56.7	56.7	1	ug/kg dry
Cadmium	08	SW6020B	110		56.7	56.7	1	ug/kg dry
Chromium	08RE1	SW6020B	38600		5670	5670	100	ug/kg dry
Cobalt	08	SW6020B	11400		56.7	56.7	1	ug/kg dry
Copper	08RE1	SW6020B	75500		5670	5670	100	ug/kg dry
Lead	08RE1	SW6020B	37500		5670	5670	100	ug/kg dry
Manganese	08RE1	SW6020B	318000		5670	5670	100	ug/kg dry
Mercury	08	SW7471B	0.086		0.010	0.010	1	mg/kg dry
Nickel	08	SW6020B	12500		56.7	56.7	1	ug/kg dry
Selenium	08	SW6020B	2980		56.7	56.7	1	ug/kg dry
Silver	08	SW6020B	42.4		2.83	2.83	1	ug/kg dry
Thallium	08	SW6020B	166		56.7	56.7	1	ug/kg dry
Vanadium	08RE1	SW6020B	103000		28300	28300	100	ug/kg dry
Zinc	08RE1	SW6020B	55800		28300	28300	100	ug/kg dry
2-Butanone (MEK)	08	SW8260D	7.43		5.26	5.26	1	ug/kg dry
Acetone	08	SW8260D	107		10.5	10.5	1	ug/kg dry
Sulfate	08	SW9056A	14.2		3.05	12.2	1	mg/kg dry
Chromium, Hexavalent	08	SW7199	0.87		0.24	0.24	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **23L1137-09** **Client Sample ID:** **SC-29**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	09	SW6020B	102		61.7	61.7	1	ug/kg dry
Arsenic	09	SW6020B	2500		61.7	61.7	1	ug/kg dry
Barium	09	SW6020B	85900		61700	61700	100	ug/kg dry
Beryllium	09RE1	SW6020B	493		61.7	61.7	1	ug/kg dry
Cadmium	09	SW6020B	329		61.7	61.7	1	ug/kg dry
Chromium	09	SW6020B	44700		6170	6170	100	ug/kg dry
Cobalt	09	SW6020B	13300		61.7	61.7	1	ug/kg dry
Copper	09	SW6020B	155000		6170	6170	100	ug/kg dry
Lead	09	SW6020B	61100		6170	6170	100	ug/kg dry
Manganese	09	SW6020B	404000		6170	6170	100	ug/kg dry
Mercury	09	SW7471B	0.107		0.010	0.010	1	mg/kg dry
Nickel	09	SW6020B	12100		61.7	61.7	1	ug/kg dry
Selenium	09	SW6020B	2130		61.7	61.7	1	ug/kg dry
Silver	09	SW6020B	133		3.08	3.08	1	ug/kg dry
Thallium	09	SW6020B	106		61.7	61.7	1	ug/kg dry
Vanadium	09	SW6020B	108000		30800	30800	100	ug/kg dry
Zinc	09	SW6020B	111000		30800	30800	100	ug/kg dry
Acetone	09	SW8260D	130		11.5	11.5	1	ug/kg dry
Sulfate	09	SW9056A	15.0		3.15	12.6	1	mg/kg dry
Chromium, Hexavalent	09	SW7199	1.41		0.25	0.25	1	mg/kg dry
Nitrate as N	09	SW9056A	1.42	J	1.26	2.52	1	mg/kg dry

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Laboratory Sample ID: **23L1137-10** **Client Sample ID:** **SC-27**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Arsenic	10	SW6020B	2070		56.5	56.5	1	ug/kg dry
Barium	10RE1	SW6020B	127000		56500	56500	100	ug/kg dry
Beryllium	10	SW6020B	520		56.5	56.5	1	ug/kg dry
Cadmium	10	SW6020B	149		56.5	56.5	1	ug/kg dry
Chromium	10	SW6020B	29800		56.5	56.5	1	ug/kg dry
Cobalt	10	SW6020B	10100		56.5	56.5	1	ug/kg dry
Copper	10RE1	SW6020B	37200		5650	5650	100	ug/kg dry
Lead	10	SW6020B	16300		56.5	56.5	1	ug/kg dry
Manganese	10RE1	SW6020B	302000		5650	5650	100	ug/kg dry
Mercury	10	SW7471B	0.026		0.009	0.009	1	mg/kg dry
Nickel	10	SW6020B	14700		56.5	56.5	1	ug/kg dry
Selenium	10	SW6020B	2190		56.5	56.5	1	ug/kg dry
Silver	10	SW6020B	56.9		2.83	2.83	1	ug/kg dry
Thallium	10	SW6020B	103		56.5	56.5	1	ug/kg dry
Vanadium	10RE1	SW6020B	59400		28300	28300	100	ug/kg dry
Zinc	10RE1	SW6020B	82200		28300	28300	100	ug/kg dry
2-Butanone (MEK)	10	SW8260D	4.96	J	4.75	5.00	1	ug/kg dry
Sulfate	10	SW9056A	10.3	J	2.92	11.7	1	mg/kg dry
Chromium, Hexavalent	10	SW7199	0.56		0.23	0.23	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **23L1137-11** **Client Sample ID:** **SC-28**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Arsenic	11	SW6020B	2220		55.9	55.9	1	ug/kg dry
Barium	11RE1	SW6020B	123000		55900	55900	100	ug/kg dry
Beryllium	11	SW6020B	557		55.9	55.9	1	ug/kg dry
Cadmium	11	SW6020B	71.3		55.9	55.9	1	ug/kg dry
Chromium	11RE1	SW6020B	42900		5590	5590	100	ug/kg dry
Cobalt	11	SW6020B	15400		55.9	55.9	1	ug/kg dry
Copper	11RE1	SW6020B	63100		5590	5590	100	ug/kg dry
Lead	11RE1	SW6020B	43900		5590	5590	100	ug/kg dry
Manganese	11RE1	SW6020B	369000		5590	5590	100	ug/kg dry
Mercury	11	SW7471B	0.048		0.009	0.009	1	mg/kg dry
Nickel	11	SW6020B	18800		55.9	55.9	1	ug/kg dry
Selenium	11	SW6020B	2920		55.9	55.9	1	ug/kg dry
Silver	11	SW6020B	32.2		2.79	2.79	1	ug/kg dry
Thallium	11	SW6020B	121		55.9	55.9	1	ug/kg dry
Vanadium	11RE1	SW6020B	85900		27900	27900	100	ug/kg dry
Zinc	11RE1	SW6020B	53200		27900	27900	100	ug/kg dry
Sulfate	11	SW9056A	16.6		2.97	11.9	1	mg/kg dry
Chromium, Hexavalent	11	SW7199	0.63		0.24	0.24	1	mg/kg dry
Nitrate as N	11	SW9056A	2.74		1.19	2.37	1	mg/kg dry

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Date Issued: 1/8/2024 5:19:06PM

Laboratory Sample ID: **23L1137-12** **Client Sample ID:** **DUP-5**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	12	SW6020B	265		56.3	56.3	1	ug/kg dry
Arsenic	12	SW6020B	1540		56.3	56.3	1	ug/kg dry
Barium	12RE1	SW6020B	145000		56300	56300	100	ug/kg dry
Beryllium	12	SW6020B	447		56.3	56.3	1	ug/kg dry
Cadmium	12	SW6020B	105		56.3	56.3	1	ug/kg dry
Chromium	12RE1	SW6020B	58200		5630	5630	100	ug/kg dry
Cobalt	12	SW6020B	17300		56.3	56.3	1	ug/kg dry
Copper	12RE1	SW6020B	52400		5630	5630	100	ug/kg dry
Lead	12RE1	SW6020B	73600		5630	5630	100	ug/kg dry
Manganese	12RE1	SW6020B	535000		5630	5630	100	ug/kg dry
Mercury	12	SW7471B	0.038		0.010	0.010	1	mg/kg dry
Nickel	12	SW6020B	28500		56.3	56.3	1	ug/kg dry
Selenium	12	SW6020B	2130		56.3	56.3	1	ug/kg dry
Silver	12	SW6020B	33.8		2.81	2.81	1	ug/kg dry
Thallium	12	SW6020B	86.8		56.3	56.3	1	ug/kg dry
Vanadium	12RE1	SW6020B	77900		28100	28100	100	ug/kg dry
Zinc	12RE1	SW6020B	106000		28100	28100	100	ug/kg dry
Acetone	12	SW8260D	47.5		9.73	10.0	1	ug/kg dry
Sulfate	12	SW9056A	6.23	J	3.07	12.3	1	mg/kg dry
Chromium, Hexavalent	12	SW7199	0.92		0.25	0.25	1	mg/kg dry
Nitrate as N	12	SW9056A	1.75	J	1.23	2.45	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **23L1228-01** **Client Sample ID:** **SC-1**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	01	SW6020B	276		58.2	58.2	1	ug/kg dry
Arsenic	01	SW6020B	2840		58.2	58.2	1	ug/kg dry
Barium	01RE1	SW6020B	147000		58200	58200	100	ug/kg dry
Beryllium	01	SW6020B	651		58.2	58.2	1	ug/kg dry
Cadmium	01	SW6020B	882		58.2	58.2	1	ug/kg dry
Chromium	01RE1	SW6020B	67700		5820	5820	100	ug/kg dry
Cobalt	01	SW6020B	22900		58.2	58.2	1	ug/kg dry
Copper	01RE1	SW6020B	68700		5820	5820	100	ug/kg dry
Lead	01RE1	SW6020B	76000		5820	5820	100	ug/kg dry
Manganese	01RE1	SW6020B	615000		5820	5820	100	ug/kg dry
Mercury	01	SW7471B	0.048		0.010	0.010	1	mg/kg dry
Nickel	01	SW6020B	27700		58.2	58.2	1	ug/kg dry
Selenium	01	SW6020B	2940		58.2	58.2	1	ug/kg dry
Silver	01	SW6020B	99.3		2.91	2.91	1	ug/kg dry
Thallium	01	SW6020B	140		58.2	58.2	1	ug/kg dry
Vanadium	01RE1	SW6020B	113000		29100	29100	100	ug/kg dry
Zinc	01RE1	SW6020B	133000		29100	29100	100	ug/kg dry
Acetone	01	SW8260D	37.1		10.0	10.0	1	ug/kg dry
Sulfate	01	SW9056A	13.3		3.15	12.6	1	mg/kg dry
Chromium, Hexavalent	01	SW7199	1.04		0.25	0.25	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **23L1228-02** **Client Sample ID:** **SC-2**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	02	SW6020B	1660		61.7	61.7	1	ug/kg dry
Arsenic	02	SW6020B	4860		61.7	61.7	1	ug/kg dry
Barium	02RE1	SW6020B	174000		61700	61700	100	ug/kg dry
Beryllium	02	SW6020B	545		61.7	61.7	1	ug/kg dry
Cadmium	02	SW6020B	1630		61.7	61.7	1	ug/kg dry
Chromium	02RE1	SW6020B	83300		6170	6170	100	ug/kg dry
Cobalt	02	SW6020B	15600		61.7	61.7	1	ug/kg dry
Copper	02RE1	SW6020B	107000		6170	6170	100	ug/kg dry
Lead	02RE1	SW6020B	443000		6170	6170	100	ug/kg dry
Manganese	02RE1	SW6020B	602000		6170	6170	100	ug/kg dry
Mercury	02RE1	SW7471B	0.306		0.020	0.020	2	mg/kg dry
Nickel	02	SW6020B	25800		61.7	61.7	1	ug/kg dry
Selenium	02	SW6020B	2890		61.7	61.7	1	ug/kg dry
Silver	02RE1	SW6020B	2700		309	309	100	ug/kg dry
Thallium	02	SW6020B	127		61.7	61.7	1	ug/kg dry
Vanadium	02RE1	SW6020B	78200		30900	30900	100	ug/kg dry
Zinc	02RE1	SW6020B	409000		30900	30900	100	ug/kg dry
2-Butanone (MEK)	02	SW8260D	9.12		6.33	6.33	1	ug/kg dry
Acetone	02	SW8260D	282		12.7	12.7	1	ug/kg dry
Carbon disulfide	02	SW8260D	6.67		6.33	6.33	1	ug/kg dry
Sulfate	02	SW9056A	117		3.23	12.9	1	mg/kg dry
Chromium, Hexavalent	02	SW7199	2.17		0.26	0.26	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **23L1228-03** **Client Sample ID:** **SC-5**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	03	SW6020B	135		59.4	59.4	1	ug/kg dry
Arsenic	03	SW6020B	2980		59.4	59.4	1	ug/kg dry
Barium	03RE1	SW6020B	155000		59400	59400	100	ug/kg dry
Beryllium	03	SW6020B	913		59.4	59.4	1	ug/kg dry
Chromium	03RE1	SW6020B	71300		5940	5940	100	ug/kg dry
Cobalt	03	SW6020B	20100		59.4	59.4	1	ug/kg dry
Copper	03RE1	SW6020B	85900		5940	5940	100	ug/kg dry
Lead	03	SW6020B	15300		59.4	59.4	1	ug/kg dry
Manganese	03RE1	SW6020B	835000		5940	5940	100	ug/kg dry
Mercury	03	SW7471B	0.059		0.010	0.010	1	mg/kg dry
Nickel	03	SW6020B	27100		59.4	59.4	1	ug/kg dry
Selenium	03	SW6020B	6980		59.4	59.4	1	ug/kg dry
Silver	03	SW6020B	38.9		2.97	2.97	1	ug/kg dry
Thallium	03	SW6020B	81.2		59.4	59.4	1	ug/kg dry
Vanadium	03RE1	SW6020B	133000		29700	29700	100	ug/kg dry
Zinc	03RE1	SW6020B	78400		29700	29700	100	ug/kg dry
Acetone	03	SW8260D	34.9		11.2	11.2	1	ug/kg dry
Benzo (b) fluoranthene	03	SW8270E	110		102	102	1	ug/kg dry
Sulfate	03	SW9056A	120		3.07	12.3	1	mg/kg dry
Chromium, Hexavalent	03	SW7199	0.50		0.25	0.25	1	mg/kg dry
Nitrate as N	03	SW9056A	1.38	J	1.23	2.45	1	mg/kg dry

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Client Name: S&ME - Raleigh
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Laboratory Sample ID: **23L1228-04** **Client Sample ID:** **SC-6**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	04	SW6020B	509		61.0	61.0	1	ug/kg dry
Arsenic	04	SW6020B	5700		61.0	61.0	1	ug/kg dry
Barium	04RE1	SW6020B	137000		61000	61000	100	ug/kg dry
Beryllium	04	SW6020B	621		61.0	61.0	1	ug/kg dry
Cadmium	04	SW6020B	316		61.0	61.0	1	ug/kg dry
Chromium	04RE1	SW6020B	115000		6100	6100	100	ug/kg dry
Cobalt	04	SW6020B	17800		61.0	61.0	1	ug/kg dry
Copper	04RE1	SW6020B	61800		6100	6100	100	ug/kg dry
Lead	04RE1	SW6020B	124000		6100	6100	100	ug/kg dry
Manganese	04RE1	SW6020B	590000		6100	6100	100	ug/kg dry
Mercury	04	SW7471B	0.064		0.010	0.010	1	mg/kg dry
Nickel	04	SW6020B	14700		61.0	61.0	1	ug/kg dry
Selenium	04	SW6020B	3620		61.0	61.0	1	ug/kg dry
Silver	04	SW6020B	118		3.05	3.05	1	ug/kg dry
Thallium	04	SW6020B	122		61.0	61.0	1	ug/kg dry
Vanadium	04RE1	SW6020B	106000		30500	30500	100	ug/kg dry
Zinc	04RE1	SW6020B	141000		30500	30500	100	ug/kg dry
Acetone	04	SW8260D	98.9		10.9	10.9	1	ug/kg dry
Sulfate	04	SW9056A	21.3		3.17	12.7	1	mg/kg dry
Chromium, Hexavalent	04	SW7199	0.32		0.25	0.25	1	mg/kg dry
Nitrate as N	04	SW9056A	1.68	J	1.27	2.54	1	mg/kg dry

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Laboratory Sample ID: **23L1228-05** **Client Sample ID:** **SC-10**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	05	SW6020B	326		59.2	59.2	1	ug/kg dry
Arsenic	05	SW6020B	3210		59.2	59.2	1	ug/kg dry
Barium	05RE1	SW6020B	79300		59200	59200	100	ug/kg dry
Beryllium	05	SW6020B	499		59.2	59.2	1	ug/kg dry
Cadmium	05	SW6020B	451		59.2	59.2	1	ug/kg dry
Chromium	05RE1	SW6020B	53600		5920	5920	100	ug/kg dry
Cobalt	05	SW6020B	12100		59.2	59.2	1	ug/kg dry
Copper	05RE1	SW6020B	47100		5920	5920	100	ug/kg dry
Lead	05RE1	SW6020B	80200		5920	5920	100	ug/kg dry
Manganese	05RE1	SW6020B	328000		5920	5920	100	ug/kg dry
Mercury	05	SW7471B	0.103		0.009	0.009	1	mg/kg dry
Nickel	05	SW6020B	15500		59.2	59.2	1	ug/kg dry
Selenium	05	SW6020B	2610		59.2	59.2	1	ug/kg dry
Silver	05	SW6020B	85.6		2.96	2.96	1	ug/kg dry
Thallium	05	SW6020B	131		59.2	59.2	1	ug/kg dry
Vanadium	05RE1	SW6020B	75400		29600	29600	100	ug/kg dry
Zinc	05RE1	SW6020B	100000		29600	29600	100	ug/kg dry
Acetone	05	SW8260D	35.6		9.47	10.0	1	ug/kg dry
Sulfate	05	SW9056A	202		3.01	12.0	1	mg/kg dry
Chromium, Hexavalent	05	SW7199	1.18		0.24	0.24	1	mg/kg dry
Nitrate as N	05	SW9056A	1.27	J	1.20	2.41	1	mg/kg dry

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Laboratory Sample ID: **23L1228-06** **Client Sample ID:** **SC-11**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	06	SW6020B	288		55.3	55.3	1	ug/kg dry
Arsenic	06	SW6020B	2560		55.3	55.3	1	ug/kg dry
Barium	06RE1	SW6020B	117000		55300	55300	100	ug/kg dry
Beryllium	06	SW6020B	434		55.3	55.3	1	ug/kg dry
Cadmium	06	SW6020B	530		55.3	55.3	1	ug/kg dry
Chromium	06RE1	SW6020B	49800		5530	5530	100	ug/kg dry
Cobalt	06	SW6020B	13400		55.3	55.3	1	ug/kg dry
Copper	06RE1	SW6020B	64500		5530	5530	100	ug/kg dry
Lead	06RE1	SW6020B	76300		5530	5530	100	ug/kg dry
Manganese	06RE1	SW6020B	558000		5530	5530	100	ug/kg dry
Mercury	06	SW7471B	0.179		0.009	0.009	1	mg/kg dry
Nickel	06	SW6020B	15200		55.3	55.3	1	ug/kg dry
Selenium	06	SW6020B	2290		55.3	55.3	1	ug/kg dry
Silver	06	SW6020B	601		2.76	2.76	1	ug/kg dry
Thallium	06	SW6020B	107		55.3	55.3	1	ug/kg dry
Vanadium	06RE1	SW6020B	70600		27600	27600	100	ug/kg dry
Zinc	06RE1	SW6020B	137000		27600	27600	100	ug/kg dry
2-Butanone (MEK)	06	SW8260D	5.76		5.41	5.41	1	ug/kg dry
Sulfate	06	SW9056A	29.3		2.98	11.9	1	mg/kg dry
Chromium, Hexavalent	06	SW7199	0.83		0.24	0.24	1	mg/kg dry

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Client Name: S&ME - Raleigh
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Laboratory Sample ID: **23L1228-07** **Client Sample ID:** **SC-16**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Arsenic	07	SW6020B	1700		55.1	55.1	1	ug/kg dry
Barium	07RE1	SW6020B	214000		55100	55100	100	ug/kg dry
Beryllium	07	SW6020B	700		55.1	55.1	1	ug/kg dry
Cadmium	07	SW6020B	129		55.1	55.1	1	ug/kg dry
Chromium	07RE1	SW6020B	76700		5510	5510	100	ug/kg dry
Cobalt	07	SW6020B	23600		55.1	55.1	1	ug/kg dry
Copper	07RE1	SW6020B	67300		5510	5510	100	ug/kg dry
Lead	07	SW6020B	7820		55.1	55.1	1	ug/kg dry
Manganese	07RE1	SW6020B	1040000		5510	5510	100	ug/kg dry
Mercury	07	SW7471B	0.042		0.009	0.009	1	mg/kg dry
Nickel	07RE1	SW6020B	47600		5510	5510	100	ug/kg dry
Selenium	07	SW6020B	2100		55.1	55.1	1	ug/kg dry
Silver	07	SW6020B	26.8		2.75	2.75	1	ug/kg dry
Thallium	07	SW6020B	146		55.1	55.1	1	ug/kg dry
Vanadium	07RE1	SW6020B	101000		27500	27500	100	ug/kg dry
Zinc	07RE1	SW6020B	75200		27500	27500	100	ug/kg dry
Acetone	07	SW8260D	65.0		10.2	10.2	1	ug/kg dry
Sulfate	07	SW9056A	4.74	J	2.98	11.9	1	mg/kg dry
Chromium, Hexavalent	07	SW7199	0.73		0.24	0.24	1	mg/kg dry
Nitrate as N	07	SW9056A	1.44	J	1.19	2.39	1	mg/kg dry

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Laboratory Sample ID: **23L1228-08** **Client Sample ID:** **SC-17**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	08	SW6020B	81.8		58.7	58.7	1	ug/kg dry
Arsenic	08	SW6020B	1810		58.7	58.7	1	ug/kg dry
Barium	08RE1	SW6020B	113000		58700	58700	100	ug/kg dry
Beryllium	08	SW6020B	593		58.7	58.7	1	ug/kg dry
Cadmium	08	SW6020B	163		58.7	58.7	1	ug/kg dry
Chromium	08RE1	SW6020B	115000		5870	5870	100	ug/kg dry
Cobalt	08	SW6020B	27200		58.7	58.7	1	ug/kg dry
Copper	08RE1	SW6020B	123000		5870	5870	100	ug/kg dry
Lead	08	SW6020B	21100		58.7	58.7	1	ug/kg dry
Manganese	08RE1	SW6020B	532000		5870	5870	100	ug/kg dry
Mercury	08	SW7471B	0.124		0.009	0.009	1	mg/kg dry
Nickel	08RE1	SW6020B	43000		5870	5870	100	ug/kg dry
Selenium	08	SW6020B	2620		58.7	58.7	1	ug/kg dry
Silver	08	SW6020B	52.6		2.94	2.94	1	ug/kg dry
Thallium	08	SW6020B	76.2		58.7	58.7	1	ug/kg dry
Vanadium	08RE1	SW6020B	128000		29400	29400	100	ug/kg dry
Zinc	08RE1	SW6020B	88200		29400	29400	100	ug/kg dry
Acetone	08	SW8260D	50.1		9.92	10.0	1	ug/kg dry
Sulfate	08	SW9056A	26.3		3.04	12.2	1	mg/kg dry
Chromium, Hexavalent	08	SW7199	1.05		0.24	0.24	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **23L1228-09** **Client Sample ID:** **SC-18**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	09	SW6020B	103		56.5	56.5	1	ug/kg dry
Arsenic	09	SW6020B	3280		56.5	56.5	1	ug/kg dry
Barium	09RE1	SW6020B	77000		56500	56500	100	ug/kg dry
Beryllium	09	SW6020B	482		56.5	56.5	1	ug/kg dry
Cadmium	09	SW6020B	177		56.5	56.5	1	ug/kg dry
Chromium	09RE1	SW6020B	47000		5650	5650	100	ug/kg dry
Cobalt	09	SW6020B	12100		56.5	56.5	1	ug/kg dry
Copper	09RE1	SW6020B	36600		5650	5650	100	ug/kg dry
Lead	09RE1	SW6020B	55400		5650	5650	100	ug/kg dry
Manganese	09RE1	SW6020B	491000		5650	5650	100	ug/kg dry
Mercury	09	SW7471B	0.174		0.009	0.009	1	mg/kg dry
Nickel	09	SW6020B	13800		56.5	56.5	1	ug/kg dry
Selenium	09	SW6020B	3340		56.5	56.5	1	ug/kg dry
Silver	09	SW6020B	61.8		2.83	2.83	1	ug/kg dry
Thallium	09	SW6020B	122		56.5	56.5	1	ug/kg dry
Vanadium	09RE1	SW6020B	81100		28300	28300	100	ug/kg dry
Zinc	09RE1	SW6020B	68100		28300	28300	100	ug/kg dry
2-Butanone (MEK)	09	SW8260D	10.8		5.82	5.82	1	ug/kg dry
Acetone	09	SW8260D	232		11.6	11.6	1	ug/kg dry
Sulfate	09	SW9056A	4.59	J	3.02	12.1	1	mg/kg dry
Chromium, Hexavalent	09	SW7199	0.87		0.24	0.24	1	mg/kg dry
Nitrate as N	09	SW9056A	2.12	J	1.21	2.42	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **23L1228-10** **Client Sample ID:** **SC-19**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	10	SW6020B	417		57.8	57.8	1	ug/kg dry
Arsenic	10	SW6020B	3340		57.8	57.8	1	ug/kg dry
Barium	10RE1	SW6020B	104000		57800	57800	100	ug/kg dry
Beryllium	10	SW6020B	463		57.8	57.8	1	ug/kg dry
Cadmium	10	SW6020B	223		57.8	57.8	1	ug/kg dry
Chromium	10RE1	SW6020B	61300		5780	5780	100	ug/kg dry
Cobalt	10	SW6020B	17600		57.8	57.8	1	ug/kg dry
Copper	10RE1	SW6020B	97200		5780	5780	100	ug/kg dry
Lead	10RE1	SW6020B	143000		5780	5780	100	ug/kg dry
Manganese	10RE1	SW6020B	512000		5780	5780	100	ug/kg dry
Mercury	10	SW7471B	0.094		0.010	0.010	1	mg/kg dry
Nickel	10	SW6020B	20300		57.8	57.8	1	ug/kg dry
Selenium	10	SW6020B	1870		57.8	57.8	1	ug/kg dry
Silver	10	SW6020B	74.8		2.89	2.89	1	ug/kg dry
Thallium	10	SW6020B	101		57.8	57.8	1	ug/kg dry
Vanadium	10RE1	SW6020B	99900		28900	28900	100	ug/kg dry
Zinc	10RE1	SW6020B	128000		28900	28900	100	ug/kg dry
2-Butanone (MEK)	10	SW8260D	14.6		5.29	5.29	1	ug/kg dry
Acetone	10	SW8260D	207		10.6	10.6	1	ug/kg dry
Sulfate	10	SW9056A	33.6		3.06	12.3	1	mg/kg dry
Chromium, Hexavalent	10	SW7199	1.19		0.24	0.24	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
Submitted To: Tom Raymond

Laboratory Sample ID: **23L1228-11** **Client Sample ID:** **SC-20**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	11	SW6020B	559		60.1	60.1	1	ug/kg dry
Arsenic	11	SW6020B	2510		60.1	60.1	1	ug/kg dry
Barium	11RE1	SW6020B	77600		60100	60100	100	ug/kg dry
Beryllium	11	SW6020B	474		60.1	60.1	1	ug/kg dry
Cadmium	11	SW6020B	294		60.1	60.1	1	ug/kg dry
Chromium	11RE1	SW6020B	48300		6010	6010	100	ug/kg dry
Cobalt	11	SW6020B	13400		60.1	60.1	1	ug/kg dry
Copper	11RE1	SW6020B	46800		6010	6010	100	ug/kg dry
Lead	11RE1	SW6020B	93400		6010	6010	100	ug/kg dry
Manganese	11RE1	SW6020B	506000		6010	6010	100	ug/kg dry
Mercury	11	SW7471B	0.167		0.009	0.009	1	mg/kg dry
Nickel	11	SW6020B	13200		60.1	60.1	1	ug/kg dry
Selenium	11	SW6020B	2330		60.1	60.1	1	ug/kg dry
Silver	11	SW6020B	209		3.00	3.00	1	ug/kg dry
Thallium	11	SW6020B	90.6		60.1	60.1	1	ug/kg dry
Vanadium	11RE1	SW6020B	84200		30000	30000	100	ug/kg dry
Zinc	11RE1	SW6020B	177000		30000	30000	100	ug/kg dry
2-Butanone (MEK)	11	SW8260D	23.4		4.99	5.00	1	ug/kg dry
Acetone	11	SW8260D	252		9.99	10.0	1	ug/kg dry
Sulfate	11	SW9056A	32.4		3.07	12.3	1	mg/kg dry
Chromium, Hexavalent	11	SW7199	0.99		0.24	0.24	1	mg/kg dry
Nitrate as N	11	SW9056A	2.66		1.23	2.45	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **23L1228-12** **Client Sample ID:** **SC-21**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	12	SW6020B	428		60.7	60.7	1	ug/kg dry
Arsenic	12	SW6020B	3370		60.7	60.7	1	ug/kg dry
Barium	12RE1	SW6020B	213000		60700	60700	100	ug/kg dry
Beryllium	12	SW6020B	1030		60.7	60.7	1	ug/kg dry
Cadmium	12	SW6020B	451		60.7	60.7	1	ug/kg dry
Chromium	12RE1	SW6020B	72800		6070	6070	100	ug/kg dry
Cobalt	12	SW6020B	23400		60.7	60.7	1	ug/kg dry
Copper	12RE1	SW6020B	104000		6070	6070	100	ug/kg dry
Lead	12RE1	SW6020B	145000		6070	6070	100	ug/kg dry
Manganese	12RE1	SW6020B	538000		6070	6070	100	ug/kg dry
Mercury	12RE1	SW7471B	0.253		0.020	0.020	2	mg/kg dry
Nickel	12RE1	SW6020B	44400		6070	6070	100	ug/kg dry
Selenium	12	SW6020B	6830		60.7	60.7	1	ug/kg dry
Silver	12	SW6020B	317		3.04	3.04	1	ug/kg dry
Thallium	12	SW6020B	118		60.7	60.7	1	ug/kg dry
Vanadium	12RE1	SW6020B	128000		30400	30400	100	ug/kg dry
Zinc	12RE1	SW6020B	209000		30400	30400	100	ug/kg dry
2-Butanone (MEK)	12	SW8260D	12.8		5.08	5.08	1	ug/kg dry
Acetone	12	SW8260D	232		10.2	10.2	1	ug/kg dry
Sulfate	12	SW9056A	107		3.28	13.1	1	mg/kg dry
Chromium, Hexavalent	12	SW7199	1.17		0.26	0.26	1	mg/kg dry
Nitrate as N	12	SW9056A	2.60	J	1.31	2.62	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
Submitted To: Tom Raymond

Laboratory Sample ID: **23L1228-13** **Client Sample ID:** **DUP-6**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	13	SW6020B	272		58.9	58.9	1	ug/kg dry
Arsenic	13	SW6020B	1860		58.9	58.9	1	ug/kg dry
Barium	13RE1	SW6020B	53500		5890	5890	100	ug/kg dry
Beryllium	13	SW6020B	522		58.9	58.9	1	ug/kg dry
Cadmium	13	SW6020B	128		58.9	58.9	1	ug/kg dry
Chromium	13RE1	SW6020B	59700		5890	5890	100	ug/kg dry
Cobalt	13	SW6020B	10700		58.9	58.9	1	ug/kg dry
Copper	13RE1	SW6020B	46500		5890	5890	100	ug/kg dry
Lead	13RE1	SW6020B	45100		5890	5890	100	ug/kg dry
Manganese	13RE1	SW6020B	379000		5890	5890	100	ug/kg dry
Mercury	13	SW7471B	0.155		0.010	0.010	1	mg/kg dry
Nickel	13	SW6020B	13800		58.9	58.9	1	ug/kg dry
Selenium	13	SW6020B	1930		58.9	58.9	1	ug/kg dry
Silver	13	SW6020B	80.4		2.94	2.94	1	ug/kg dry
Thallium	13	SW6020B	74.3		58.9	58.9	1	ug/kg dry
Vanadium	13RE1	SW6020B	108000		29400	29400	100	ug/kg dry
Zinc	13RE1	SW6020B	77500		29400	29400	100	ug/kg dry
2-Butanone (MEK)	13	SW8260D	11.3		4.96	5.00	1	ug/kg dry
Acetone	13	SW8260D	181		9.92	10.0	1	ug/kg dry
Sulfate	13	SW9056A	31.1		3.08	12.3	1	mg/kg dry
Chromium, Hexavalent	13	SW7199	0.81		0.25	0.25	1	mg/kg dry
Nitrate as N	13	SW9056A	2.12	J	1.23	2.46	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: 23L1295-01 **Client Sample ID:** BG-1-6"

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	01	SW6020B	187		60.2	60.2	1	ug/kg dry
Arsenic	01	SW6020B	4760		60.2	60.2	1	ug/kg dry
Barium	01RE1	SW6020B	102000		60200	60200	100	ug/kg dry
Beryllium	01	SW6020B	589		60.2	60.2	1	ug/kg dry
Cadmium	01	SW6020B	207		60.2	60.2	1	ug/kg dry
Chromium	01RE1	SW6020B	34900		6020	6020	100	ug/kg dry
Cobalt	01	SW6020B	15900		60.2	60.2	1	ug/kg dry
Copper	01RE1	SW6020B	71400		6020	6020	100	ug/kg dry
Lead	01RE1	SW6020B	68400		6020	6020	100	ug/kg dry
Manganese	01RE1	SW6020B	518000		6020	6020	100	ug/kg dry
Mercury	01RE1	SW7471B	0.430		0.046	0.046	5	mg/kg dry
Nickel	01	SW6020B	11900		60.2	60.2	1	ug/kg dry
Selenium	01	SW6020B	2540		60.2	60.2	1	ug/kg dry
Silver	01	SW6020B	88.5		3.01	3.01	1	ug/kg dry
Thallium	01	SW6020B	118		60.2	60.2	1	ug/kg dry
Vanadium	01RE1	SW6020B	93100		30100	30100	100	ug/kg dry
Zinc	01RE1	SW6020B	103000		30100	30100	100	ug/kg dry
2-Butanone (MEK)	01	SW8260D	5.31		5.28	5.28	1	ug/kg dry
Acetone	01	SW8260D	83.3		10.6	10.6	1	ug/kg dry
Sulfate	01	SW9056A	17.6		3.03	12.1	1	mg/kg dry
Chromium, Hexavalent	01	SW7199	0.87		0.24	0.24	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
Submitted To: Tom Raymond

Laboratory Sample ID: **23L1295-02** **Client Sample ID:** **BG-1-12"**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	02	SW6020B	198		58.2	58.2	1	ug/kg dry
Arsenic	02	SW6020B	3700		58.2	58.2	1	ug/kg dry
Barium	02RE1	SW6020B	137000		58200	58200	100	ug/kg dry
Beryllium	02	SW6020B	723		58.2	58.2	1	ug/kg dry
Cadmium	02	SW6020B	457		58.2	58.2	1	ug/kg dry
Chromium	02RE1	SW6020B	43900		5820	5820	100	ug/kg dry
Cobalt	02	SW6020B	16600		58.2	58.2	1	ug/kg dry
Copper	02RE1	SW6020B	66300		5820	5820	100	ug/kg dry
Lead	02RE1	SW6020B	162000		5820	5820	100	ug/kg dry
Manganese	02RE1	SW6020B	439000		5820	5820	100	ug/kg dry
Mercury	02	SW7471B	0.069		0.009	0.009	1	mg/kg dry
Nickel	02	SW6020B	14300		58.2	58.2	1	ug/kg dry
Selenium	02	SW6020B	3050		58.2	58.2	1	ug/kg dry
Silver	02	SW6020B	158		2.91	2.91	1	ug/kg dry
Thallium	02	SW6020B	108		58.2	58.2	1	ug/kg dry
Vanadium	02RE1	SW6020B	119000		29100	29100	100	ug/kg dry
Zinc	02RE1	SW6020B	129000		29100	29100	100	ug/kg dry
2-Butanone (MEK)	02	SW8260D	7.63		5.68	5.68	1	ug/kg dry
Acetone	02	SW8260D	110		11.4	11.4	1	ug/kg dry
Sulfate	02	SW9056A	69.2		3.01	12.0	1	mg/kg dry
Chromium, Hexavalent	02	SW7199	0.74		0.24	0.24	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
Submitted To: Tom Raymond

Laboratory Sample ID: 23L1295-03 **Client Sample ID:** BG-2-6"

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	03	SW6020B	397		56.8	56.8	1	ug/kg dry
Arsenic	03	SW6020B	2480		56.8	56.8	1	ug/kg dry
Barium	03RE1	SW6020B	124000		56800	56800	100	ug/kg dry
Beryllium	03	SW6020B	352		56.8	56.8	1	ug/kg dry
Cadmium	03	SW6020B	722		56.8	56.8	1	ug/kg dry
Chromium	03RE1	SW6020B	37000		5680	5680	100	ug/kg dry
Cobalt	03	SW6020B	11700		56.8	56.8	1	ug/kg dry
Copper	03RE1	SW6020B	40200		5680	5680	100	ug/kg dry
Lead	03RE1	SW6020B	81300		5680	5680	100	ug/kg dry
Manganese	03RE1	SW6020B	619000		5680	5680	100	ug/kg dry
Mercury	03	SW7471B	0.045		0.009	0.009	1	mg/kg dry
Nickel	03	SW6020B	18300		56.8	56.8	1	ug/kg dry
Selenium	03	SW6020B	1750		56.8	56.8	1	ug/kg dry
Silver	03	SW6020B	1010		2.84	2.84	1	ug/kg dry
Vanadium	03RE1	SW6020B	51200		28400	28400	100	ug/kg dry
Zinc	03RE1	SW6020B	184000		28400	28400	100	ug/kg dry
Acetone	03	SW8260D	107		11.9	11.9	1	ug/kg dry
Benzo (b) fluoranthene	03	SW8270E	2470		2020	2020	20	ug/kg dry
Fluoranthene	03	SW8270E	2600		2020	2020	20	ug/kg dry
Nitrate as N	03	SW9056A	1.48	J	1.22	2.44	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **23L1295-04** **Client Sample ID:** **BG-2-12"**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	04	SW6020B	308		56.9	56.9	1	ug/kg dry
Arsenic	04	SW6020B	2520		56.9	56.9	1	ug/kg dry
Barium	04RE1	SW6020B	239000		56900	56900	100	ug/kg dry
Beryllium	04	SW6020B	325		56.9	56.9	1	ug/kg dry
Cadmium	04	SW6020B	755		56.9	56.9	1	ug/kg dry
Chromium	04RE1	SW6020B	41900		5690	5690	100	ug/kg dry
Cobalt	04	SW6020B	9920		56.9	56.9	1	ug/kg dry
Copper	04RE1	SW6020B	36600		5690	5690	100	ug/kg dry
Lead	04RE1	SW6020B	74300		5690	5690	100	ug/kg dry
Manganese	04RE1	SW6020B	478000		5690	5690	100	ug/kg dry
Mercury	04	SW7471B	0.029		0.009	0.009	1	mg/kg dry
Nickel	04	SW6020B	15200		56.9	56.9	1	ug/kg dry
Selenium	04	SW6020B	1730		56.9	56.9	1	ug/kg dry
Silver	04	SW6020B	899		2.84	2.84	1	ug/kg dry
Vanadium	04RE1	SW6020B	51000		28400	28400	100	ug/kg dry
Zinc	04RE1	SW6020B	185000		28400	28400	100	ug/kg dry
2-Butanone (MEK)	04	SW8260D	14.3		5.50	5.50	1	ug/kg dry
Acetone	04	SW8260D	275		11.0	11.0	1	ug/kg dry
Carbon disulfide	04	SW8260D	11.3		5.50	5.50	1	ug/kg dry
Benzo (b) fluoranthene	04	SW8270E	2040		1930	1930	20	ug/kg dry
Fluoranthene	04	SW8270E	1960		1930	1930	20	ug/kg dry
Chromium, Hexavalent	04	SW7199	1.24		0.23	0.23	1	mg/kg dry
Nitrate as N	04	SW9056A	1.40	J	1.17	2.34	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **23L1295-05** **Client Sample ID:** **BG-3-6"**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	05	SW6020B	211		62.5	62.5	1	ug/kg dry
Arsenic	05	SW6020B	3110		62.5	62.5	1	ug/kg dry
Barium	05RE1	SW6020B	102000		62500	62500	100	ug/kg dry
Beryllium	05	SW6020B	616		62.5	62.5	1	ug/kg dry
Cadmium	05	SW6020B	277		62.5	62.5	1	ug/kg dry
Chromium	05RE1	SW6020B	76800		6250	6250	100	ug/kg dry
Cobalt	05	SW6020B	15200		62.5	62.5	1	ug/kg dry
Copper	05RE1	SW6020B	54800		6250	6250	100	ug/kg dry
Lead	05RE1	SW6020B	85000		6250	6250	100	ug/kg dry
Manganese	05RE1	SW6020B	387000		6250	6250	100	ug/kg dry
Mercury	05	SW7471B	0.156		0.010	0.010	1	mg/kg dry
Nickel	05	SW6020B	25400		62.5	62.5	1	ug/kg dry
Selenium	05	SW6020B	2520		62.5	62.5	1	ug/kg dry
Silver	05	SW6020B	111		3.12	3.12	1	ug/kg dry
Thallium	05	SW6020B	86.7		62.5	62.5	1	ug/kg dry
Vanadium	05RE1	SW6020B	99700		31200	31200	100	ug/kg dry
Zinc	05RE1	SW6020B	103000		31200	31200	100	ug/kg dry
2-Butanone (MEK)	05	SW8260D	13.7		6.95	6.95	1	ug/kg dry
Acetone	05	SW8260D	182		13.9	13.9	1	ug/kg dry
Chromium, Hexavalent	05	SW7199	0.99		0.27	0.27	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
Submitted To: Tom Raymond

Laboratory Sample ID: **23L1295-06** **Client Sample ID:** **BG-3-12"**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	06	SW6020B	115		59.8	59.8	1	ug/kg dry
Arsenic	06	SW6020B	2920		59.8	59.8	1	ug/kg dry
Barium	06RE1	SW6020B	156000		59800	59800	100	ug/kg dry
Beryllium	06	SW6020B	801		59.8	59.8	1	ug/kg dry
Cadmium	06	SW6020B	175		59.8	59.8	1	ug/kg dry
Chromium	06RE1	SW6020B	110000		5980	5980	100	ug/kg dry
Cobalt	06	SW6020B	18700		59.8	59.8	1	ug/kg dry
Copper	06RE1	SW6020B	67800		5980	5980	100	ug/kg dry
Lead	06RE1	SW6020B	70000		5980	5980	100	ug/kg dry
Manganese	06RE1	SW6020B	388000		5980	5980	100	ug/kg dry
Mercury	06RE1	SW7471B	0.204		0.020	0.020	2	mg/kg dry
Nickel	06RE1	SW6020B	40300		5980	5980	100	ug/kg dry
Selenium	06	SW6020B	2840		59.8	59.8	1	ug/kg dry
Silver	06	SW6020B	88.9		2.99	2.99	1	ug/kg dry
Thallium	06	SW6020B	79.5		59.8	59.8	1	ug/kg dry
Vanadium	06RE1	SW6020B	137000		29900	29900	100	ug/kg dry
Zinc	06RE1	SW6020B	92100		29900	29900	100	ug/kg dry
Acetone	06	SW8260D	70.9		12.5	12.5	1	ug/kg dry
Sulfate	06	SW9056A	8.32	J	3.26	13.0	1	mg/kg dry
Chromium, Hexavalent	06	SW7199	1.56		0.26	0.26	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
Submitted To: Tom Raymond

Laboratory Sample ID: 23L1295-07 **Client Sample ID:** BG-4-6"

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	07	SW6020B	83.3		62.0	62.0	1	ug/kg dry
Arsenic	07	SW6020B	2300		62.0	62.0	1	ug/kg dry
Barium	07RE1	SW6020B	76900		62000	62000	100	ug/kg dry
Beryllium	07	SW6020B	658		62.0	62.0	1	ug/kg dry
Cadmium	07	SW6020B	265		62.0	62.0	1	ug/kg dry
Chromium	07RE1	SW6020B	64400		6200	6200	100	ug/kg dry
Cobalt	07	SW6020B	10900		62.0	62.0	1	ug/kg dry
Copper	07RE1	SW6020B	59800		6200	6200	100	ug/kg dry
Lead	07RE1	SW6020B	38200		6200	6200	100	ug/kg dry
Manganese	07RE1	SW6020B	535000		6200	6200	100	ug/kg dry
Mercury	07	SW7471B	0.074		0.011	0.011	1	mg/kg dry
Nickel	07	SW6020B	14000		62.0	62.0	1	ug/kg dry
Selenium	07	SW6020B	1770		62.0	62.0	1	ug/kg dry
Silver	07	SW6020B	39.5		3.10	3.10	1	ug/kg dry
Thallium	07	SW6020B	81.5		62.0	62.0	1	ug/kg dry
Vanadium	07RE1	SW6020B	131000		31000	31000	100	ug/kg dry
Zinc	07RE1	SW6020B	77000		31000	31000	100	ug/kg dry
2-Butanone (MEK)	07	SW8260D	6.82		6.78	6.78	1	ug/kg dry
Acetone	07	SW8260D	123		13.6	13.6	1	ug/kg dry
Sulfate	07	SW9056A	43.0		3.34	13.4	1	mg/kg dry
Chromium, Hexavalent	07	SW7199	0.38		0.27	0.27	1	mg/kg dry
Nitrate as N	07	SW9056A	1.47	J	1.34	2.67	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **23L1295-08** **Client Sample ID:** **BG-4-12"**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	08	SW6020B	355		60.6	60.6	1	ug/kg dry
Arsenic	08	SW6020B	2820		60.6	60.6	1	ug/kg dry
Barium	08RE1	SW6020B	145000		60600	60600	100	ug/kg dry
Beryllium	08	SW6020B	587		60.6	60.6	1	ug/kg dry
Cadmium	08	SW6020B	480		60.6	60.6	1	ug/kg dry
Chromium	08RE1	SW6020B	63700		6060	6060	100	ug/kg dry
Cobalt	08	SW6020B	17500		60.6	60.6	1	ug/kg dry
Copper	08RE1	SW6020B	95700		6060	6060	100	ug/kg dry
Lead	08RE1	SW6020B	203000		6060	6060	100	ug/kg dry
Manganese	08RE1	SW6020B	500000		6060	6060	100	ug/kg dry
Mercury	08	SW7471B	0.050		0.009	0.009	1	mg/kg dry
Nickel	08	SW6020B	21700		60.6	60.6	1	ug/kg dry
Selenium	08	SW6020B	2360		60.6	60.6	1	ug/kg dry
Silver	08	SW6020B	140		3.03	3.03	1	ug/kg dry
Thallium	08	SW6020B	104		60.6	60.6	1	ug/kg dry
Vanadium	08RE1	SW6020B	107000		30300	30300	100	ug/kg dry
Zinc	08RE1	SW6020B	131000		30300	30300	100	ug/kg dry
Acetone	08	SW8260D	35.0		10.4	10.4	1	ug/kg dry
Benzo (k) fluoranthene	08	SW8270E	126		103	103	1	ug/kg dry
Sulfate	08	SW9056A	38.9		3.09	12.3	1	mg/kg dry
Chromium, Hexavalent	08	SW7199	0.81		0.25	0.25	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **23L1295-09** **Client Sample ID:** **BG-5-6"**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	09	SW6020B	197		56.8	56.8	1	ug/kg dry
Arsenic	09	SW6020B	1280		56.8	56.8	1	ug/kg dry
Beryllium	09	SW6020B	266		56.8	56.8	1	ug/kg dry
Chromium	09	SW6020B	21600		56.8	56.8	1	ug/kg dry
Cobalt	09	SW6020B	7580		56.8	56.8	1	ug/kg dry
Copper	09	SW6020B	11200		56.8	56.8	1	ug/kg dry
Lead	09	SW6020B	23500		56.8	56.8	1	ug/kg dry
Manganese	09RE1	SW6020B	204000		5680	5680	100	ug/kg dry
Mercury	09	SW7471B	0.025		0.009	0.009	1	mg/kg dry
Nickel	09	SW6020B	6100		56.8	56.8	1	ug/kg dry
Selenium	09	SW6020B	2000		56.8	56.8	1	ug/kg dry
Silver	09	SW6020B	14.5		2.84	2.84	1	ug/kg dry
Vanadium	09RE1	SW6020B	32300		28400	28400	100	ug/kg dry
Zinc	09	SW6020B	29600		284	284	1	ug/kg dry
Acetone	09	SW8260D	27.1		11.4	11.4	1	ug/kg dry
2,4-Dinitrophenol	09	SW8270E	134		98.8	98.8	1	ug/kg dry
Sulfate	09	SW9056A	7.77	J	3.01	12.1	1	mg/kg dry

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Laboratory Sample ID: **23L1295-10** **Client Sample ID:** **BG-5-12"**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Arsenic	10	SW6020B	1320		55.3	55.3	1	ug/kg dry
Barium	10RE1	SW6020B	110000		55300	55300	100	ug/kg dry
Beryllium	10	SW6020B	425		55.3	55.3	1	ug/kg dry
Chromium	10	SW6020B	21000		55.3	55.3	1	ug/kg dry
Cobalt	10	SW6020B	8240		55.3	55.3	1	ug/kg dry
Copper	10	SW6020B	27600		55.3	55.3	1	ug/kg dry
Lead	10	SW6020B	7240		55.3	55.3	1	ug/kg dry
Manganese	10RE1	SW6020B	201000		5530	5530	100	ug/kg dry
Mercury	10	SW7471B	0.011		0.010	0.010	1	mg/kg dry
Nickel	10	SW6020B	8320		55.3	55.3	1	ug/kg dry
Selenium	10	SW6020B	3880		55.3	55.3	1	ug/kg dry
Silver	10	SW6020B	12.1		2.76	2.76	1	ug/kg dry
Vanadium	10RE1	SW6020B	81900		27600	27600	100	ug/kg dry
Zinc	10RE1	SW6020B	49700		27600	27600	100	ug/kg dry
Acetone	10	SW8260D	17.2		13.8	13.8	1	ug/kg dry
Sulfate	10	SW9056A	10.8	J	2.99	12.0	1	mg/kg dry
Chromium, Hexavalent	10	SW7199	0.79		0.24	0.24	1	mg/kg dry
Nitrate as N	10	SW9056A	2.44		1.20	2.39	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **23L1295-11** **Client Sample ID:** **BG-6-6"**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	11	SW6020B	525		60.6	60.6	1	ug/kg dry
Arsenic	11	SW6020B	1380		60.6	60.6	1	ug/kg dry
Barium	11RE1	SW6020B	103000		60600	60600	100	ug/kg dry
Beryllium	11	SW6020B	383		60.6	60.6	1	ug/kg dry
Chromium	11	SW6020B	29300		60.6	60.6	1	ug/kg dry
Cobalt	11	SW6020B	12500		60.6	60.6	1	ug/kg dry
Copper	11	SW6020B	30600		60.6	60.6	1	ug/kg dry
Lead	11RE1	SW6020B	107000		6060	6060	100	ug/kg dry
Manganese	11RE1	SW6020B	414000		6060	6060	100	ug/kg dry
Mercury	11	SW7471B	0.037		0.010	0.010	1	mg/kg dry
Nickel	11	SW6020B	10800		60.6	60.6	1	ug/kg dry
Selenium	11	SW6020B	2100		60.6	60.6	1	ug/kg dry
Silver	11	SW6020B	19.6		3.03	3.03	1	ug/kg dry
Vanadium	11RE1	SW6020B	70400		30300	30300	100	ug/kg dry
Zinc	11RE1	SW6020B	78000		30300	30300	100	ug/kg dry
Acetone	11	SW8260D	92.9		14.0	14.0	1	ug/kg dry
Sulfate	11	SW9056A	4.06	J	3.08	12.3	1	mg/kg dry
Chromium, Hexavalent	11	SW7199	0.27		0.25	0.25	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **23L1295-12** **Client Sample ID:** **BG-6-12"**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	12	SW6020B	271		54.4	54.4	1	ug/kg dry
Arsenic	12	SW6020B	1530		54.4	54.4	1	ug/kg dry
Barium	12RE1	SW6020B	119000		54400	54400	100	ug/kg dry
Beryllium	12	SW6020B	393		54.4	54.4	1	ug/kg dry
Cadmium	12	SW6020B	98.0		54.4	54.4	1	ug/kg dry
Chromium	12RE1	SW6020B	41300		5440	5440	100	ug/kg dry
Cobalt	12	SW6020B	12600		54.4	54.4	1	ug/kg dry
Copper	12RE1	SW6020B	43400		5440	5440	100	ug/kg dry
Lead	12RE1	SW6020B	52200		5440	5440	100	ug/kg dry
Manganese	12RE1	SW6020B	437000		5440	5440	100	ug/kg dry
Mercury	12	SW7471B	0.018		0.009	0.009	1	mg/kg dry
Nickel	12	SW6020B	13700		54.4	54.4	1	ug/kg dry
Selenium	12	SW6020B	1990		54.4	54.4	1	ug/kg dry
Silver	12	SW6020B	21.4		2.72	2.72	1	ug/kg dry
Vanadium	12RE1	SW6020B	86100		27200	27200	100	ug/kg dry
Zinc	12RE1	SW6020B	88900		27200	27200	100	ug/kg dry
Acetone	12	SW8260D	64.0		10.5	10.5	1	ug/kg dry
Sulfate	12	SW9056A	5.40	J	2.93	11.7	1	mg/kg dry
Chromium, Hexavalent	12	SW7199	0.77		0.23	0.23	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **23L1295-13** **Client Sample ID:** **BG-7-6"**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	13	SW6020B	582		58.4	58.4	1	ug/kg dry
Arsenic	13	SW6020B	2860		58.4	58.4	1	ug/kg dry
Barium	13RE1	SW6020B	68700		58400	58400	100	ug/kg dry
Beryllium	13	SW6020B	492		58.4	58.4	1	ug/kg dry
Cadmium	13	SW6020B	87.6		58.4	58.4	1	ug/kg dry
Chromium	13RE1	SW6020B	96800		5840	5840	100	ug/kg dry
Cobalt	13	SW6020B	21700		58.4	58.4	1	ug/kg dry
Copper	13RE1	SW6020B	45600		5840	5840	100	ug/kg dry
Lead	13RE1	SW6020B	118000		5840	5840	100	ug/kg dry
Manganese	13RE1	SW6020B	716000		5840	5840	100	ug/kg dry
Mercury	13	SW7471B	0.058		0.009	0.009	1	mg/kg dry
Nickel	13	SW6020B	18600		58.4	58.4	1	ug/kg dry
Selenium	13	SW6020B	1860		58.4	58.4	1	ug/kg dry
Silver	13	SW6020B	38.3		2.92	2.92	1	ug/kg dry
Thallium	13	SW6020B	83.1		58.4	58.4	1	ug/kg dry
Vanadium	13RE1	SW6020B	112000		29200	29200	100	ug/kg dry
Zinc	13RE1	SW6020B	72300		29200	29200	100	ug/kg dry
Acetone	13	SW8260D	144		14.0	14.0	1	ug/kg dry
Sulfate	13	SW9056A	4.79	J	3.05	12.2	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: 23L1295-14 **Client Sample ID:** BG-7-12"

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	14	SW6020B	221		58.1	58.1	1	ug/kg dry
Arsenic	14	SW6020B	1680		58.1	58.1	1	ug/kg dry
Barium	14RE1	SW6020B	78700		58100	58100	100	ug/kg dry
Beryllium	14	SW6020B	410		58.1	58.1	1	ug/kg dry
Chromium	14RE1	SW6020B	73500		5810	5810	100	ug/kg dry
Cobalt	14	SW6020B	16900		58.1	58.1	1	ug/kg dry
Copper	14RE1	SW6020B	41600		5810	5810	100	ug/kg dry
Lead	14RE1	SW6020B	37500		5810	5810	100	ug/kg dry
Manganese	14RE1	SW6020B	461000		5810	5810	100	ug/kg dry
Mercury	14	SW7471B	0.065		0.009	0.009	1	mg/kg dry
Nickel	14	SW6020B	13600		58.1	58.1	1	ug/kg dry
Selenium	14	SW6020B	1340		58.1	58.1	1	ug/kg dry
Silver	14	SW6020B	22.8		2.91	2.91	1	ug/kg dry
Thallium	14	SW6020B	116		58.1	58.1	1	ug/kg dry
Vanadium	14RE1	SW6020B	78000		29100	29100	100	ug/kg dry
Zinc	14RE1	SW6020B	54800		29100	29100	100	ug/kg dry
2-Butanone (MEK)	14	SW8260D	8.15		7.19	7.19	1	ug/kg dry
Acetone	14	SW8260D	182		14.4	14.4	1	ug/kg dry
bis (2-Ethylhexyl) phthalate	14	SW8270E	385		99.4	99.4	1	ug/kg dry
Di-n-octyl phthalate	14	SW8270E	657		99.4	99.4	1	ug/kg dry
Sulfate	14	SW9056A	13.7		3.03	12.1	1	mg/kg dry
Chromium, Hexavalent	14	SW7199	0.91		0.24	0.24	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **23L1295-15** **Client Sample ID:** **BG-8-6"**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	15	SW6020B	224		56.7	56.7	1	ug/kg dry
Arsenic	15	SW6020B	1670		56.7	56.7	1	ug/kg dry
Barium	15RE1	SW6020B	97000		56700	56700	100	ug/kg dry
Beryllium	15	SW6020B	562		56.7	56.7	1	ug/kg dry
Cadmium	15	SW6020B	117		56.7	56.7	1	ug/kg dry
Chromium	15RE1	SW6020B	66000		5670	5670	100	ug/kg dry
Cobalt	15RE1	SW6020B	88600		5670	5670	100	ug/kg dry
Copper	15RE1	SW6020B	44300		5670	5670	100	ug/kg dry
Lead	15RE1	SW6020B	47600		5670	5670	100	ug/kg dry
Manganese	15RE1	SW6020B	1060000		5670	5670	100	ug/kg dry
Mercury	15	SW7471B	0.032		0.009	0.009	1	mg/kg dry
Nickel	15	SW6020B	19600		56.7	56.7	1	ug/kg dry
Selenium	15	SW6020B	2850		56.7	56.7	1	ug/kg dry
Silver	15	SW6020B	22.7		2.84	2.84	1	ug/kg dry
Thallium	15	SW6020B	71.3		56.7	56.7	1	ug/kg dry
Vanadium	15RE1	SW6020B	108000		28400	28400	100	ug/kg dry
Zinc	15RE1	SW6020B	58200		28400	28400	100	ug/kg dry
Acetone	15	SW8260D	114		11.1	11.1	1	ug/kg dry
Sulfate	15	SW9056A	17.5		3.05	12.2	1	mg/kg dry
Chromium, Hexavalent	15	SW7199	1.12		0.24	0.24	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **23L1295-16** **Client Sample ID:** **BG-8-12"**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	16	SW6020B	175		59.3	59.3	1	ug/kg dry
Arsenic	16	SW6020B	1270		59.3	59.3	1	ug/kg dry
Barium	16RE1	SW6020B	65100		59300	59300	100	ug/kg dry
Beryllium	16	SW6020B	327		59.3	59.3	1	ug/kg dry
Cadmium	16	SW6020B	95.3		59.3	59.3	1	ug/kg dry
Chromium	16RE1	SW6020B	39100		5930	5930	100	ug/kg dry
Cobalt	16	SW6020B	10000		59.3	59.3	1	ug/kg dry
Copper	16	SW6020B	24900		59.3	59.3	1	ug/kg dry
Lead	16RE1	SW6020B	36000		5930	5930	100	ug/kg dry
Manganese	16RE1	SW6020B	320000		5930	5930	100	ug/kg dry
Mercury	16	SW7471B	0.041		0.009	0.009	1	mg/kg dry
Nickel	16	SW6020B	10400		59.3	59.3	1	ug/kg dry
Selenium	16	SW6020B	1910		59.3	59.3	1	ug/kg dry
Silver	16	SW6020B	22.8		2.96	2.96	1	ug/kg dry
Thallium	16	SW6020B	68.1		59.3	59.3	1	ug/kg dry
Vanadium	16RE1	SW6020B	54700		29600	29600	100	ug/kg dry
Zinc	16RE1	SW6020B	54200		29600	29600	100	ug/kg dry
Acetone	16	SW8260D	92.1		11.5	11.5	1	ug/kg dry
1,4-Dioxane (SIM)	16	SW8270E SIM	27.8		3.96	3.96	1	ug/kg dry
Sulfate	16	SW9056A	4.06	J	2.99	12.0	1	mg/kg dry
Chromium, Hexavalent	16	SW7199	0.39		0.24	0.24	1	mg/kg dry

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Analysis Detects Report

Date Issued: 1/8/2024 5:19:06PM

Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
Submitted To: Tom Raymond

Laboratory Sample ID: **23L1295-17** **Client Sample ID:** **DUP-7**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	17	SW6020B	322		60.0	60.0	1	ug/kg dry
Arsenic	17	SW6020B	2770		60.0	60.0	1	ug/kg dry
Barium	17RE1	SW6020B	120000		60000	60000	100	ug/kg dry
Beryllium	17	SW6020B	326		60.0	60.0	1	ug/kg dry
Cadmium	17	SW6020B	1030		60.0	60.0	1	ug/kg dry
Chromium	17RE1	SW6020B	42900		6000	6000	100	ug/kg dry
Cobalt	17	SW6020B	10800		60.0	60.0	1	ug/kg dry
Copper	17RE1	SW6020B	40400		6000	6000	100	ug/kg dry
Lead	17RE1	SW6020B	90400		6000	6000	100	ug/kg dry
Manganese	17RE1	SW6020B	551000		6000	6000	100	ug/kg dry
Mercury	17	SW7471B	0.054		0.009	0.009	1	mg/kg dry
Nickel	17	SW6020B	15900		60.0	60.0	1	ug/kg dry
Selenium	17	SW6020B	1840		60.0	60.0	1	ug/kg dry
Silver	17	SW6020B	1110		3.00	3.00	1	ug/kg dry
Vanadium	17RE1	SW6020B	53000		30000	30000	100	ug/kg dry
Zinc	17RE1	SW6020B	235000		30000	30000	100	ug/kg dry
1,4-Dioxane (SIM)	17	SW8270E SIM	54.0		8.18	8.18	2	ug/kg dry
Benzo (a) anthracene	17	SW8270E	1030		1020	1020	10	ug/kg dry
Benzo (a) pyrene	17	SW8270E	1150		1020	1020	10	ug/kg dry
Benzo (k) fluoranthene	17	SW8270E	2870		1020	1020	10	ug/kg dry
Fluoranthene	17	SW8270E	1300		1020	1020	10	ug/kg dry
Sulfate	17	SW9056A	3.39	J	3.09	12.4	1	mg/kg dry
Chromium, Hexavalent	17	SW7199	0.42		0.25	0.25	1	mg/kg dry
Nitrate as N	17	SW9056A	3.08		1.24	2.47	1	mg/kg dry

Note that this report is not the "Certificate of Analysis". This report only lists the target analytes that displayed concentrations that exceeded the detection limit specified for that analyte. For a complete listing of all analytes requested and the results of the analysis see the " Certificate of Analysis".

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Certificate of Analysis

Final Report

Sample Delivery Group ID SouthsidePark2023

Client Name:	S&ME - Raleigh	Date Issued:	1/8/2024 5:19:06PM
	3201 Spring Forest Road		
	Raleigh, NC 27616		
Submitted To:	Tom Raymond		
Client Site I.D.:	Southside Park Landfill	Purchase Order:	

Enclosed are the results of analyses for samples received by the laboratory in sample delivery group SouthsidePark2023 . Work orders included in the sample delivery group:

Work Order	Receive Date	Project Number
23L0308	12/7/2023 8:55:00AM	215952
23L0566	12/12/2023 8:00:00AM	215952
23L0675	12/13/2023 8:00:00AM	215952
23L0795	12/14/2023 8:00:00AM	215952
23L0912	12/15/2023 8:00:00AM	215952
23L1137	12/20/2023 8:00:00AM	215952
23L1228	12/21/2023 8:00:00AM	215952
23L1295	12/21/2023 4:27:00PM	215952

Ted Soyars

Technical Director

End Notes:
The test results listed in this report relate only to the samples submitted to the laboratory and as received by the Laboratory.

Unless otherwise noted, the test results for solid materials are calculated on a wet weight basis. Analyses for pH, dissolved oxygen, temperature, residual chlorine and sulfite that are performed in the laboratory do not meet NELAC requirements due to extremely short holding times. These analyses should be performed in the field. The results of field analyses performed by the Sampler included in the Certificate of Analysis are done so at the client's request and are not included in the laboratory's fields of certification nor have they been audited for adherence to a reference method or procedure.

The signature on the final report certifies that these results conform to all applicable NELAC standards unless otherwise specified. For a complete list of the Laboratory's NELAC certified parameters please contact customer service.

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Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SC-3	23L0566-01	Solids	12/11/2023 11:00	12/12/2023 08:00
SC-7	23L0566-02	Solids	12/11/2023 11:45	12/12/2023 08:00
SC-8	23L0566-03	Solids	12/11/2023 12:30	12/12/2023 08:00
SC-4	23L0566-04	Solids	12/11/2023 15:00	12/12/2023 08:00
SC-9	23L0566-05	Solids	12/11/2023 15:45	12/12/2023 08:00
DUP-1	23L0566-06	Solids	12/11/2023 00:00	12/12/2023 08:00
Trip Blank	23L0566-07	Non-Potable Water	12/06/2023 09:45	12/12/2023 08:00
SC-12	23L0675-01	Soil	12/12/2023 09:30	12/13/2023 08:00
SC-22	23L0675-02	Soil	12/12/2023 10:00	12/13/2023 08:00
SC-23	23L0675-03	Soil	12/12/2023 10:45	12/13/2023 08:00
SC-34	23L0675-04	Soil	12/12/2023 11:15	12/13/2023 08:00
SC-35	23L0675-05	Soil	12/12/2023 12:00	12/13/2023 08:00
SC-13	23L0675-06	Soil	12/12/2023 13:20	12/13/2023 08:00
SC-14	23L0675-07	Soil	12/12/2023 13:50	12/13/2023 08:00
SC-25	23L0675-08	Soil	12/12/2023 14:30	12/13/2023 08:00
SC-24	23L0675-09	Soil	12/12/2023 14:50	12/13/2023 08:00
SC-44	23L0675-10	Soil	12/12/2023 15:00	12/13/2023 08:00
SC-15	23L0675-11	Soil	12/12/2023 15:45	12/13/2023 08:00
DUP-2	23L0675-12	Soil	12/12/2023 00:00	12/13/2023 08:00
Trip Blank	23L0675-13	Non-Potable Water	12/06/2023 09:45	12/13/2023 08:00
SC-36	23L0795-01	Soil	12/13/2023 10:20	12/14/2023 08:00

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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SC-45	23L0795-02	Soil	12/13/2023 10:50	12/14/2023 08:00
SC-51	23L0795-03	Soil	12/13/2023 11:10	12/14/2023 08:00
SC-46	23L0795-04	Soil	12/13/2023 11:30	12/14/2023 08:00
SC-37	23L0795-05	Soil	12/13/2023 11:50	12/14/2023 08:00
SC-26	23L0795-06	Soil	12/13/2023 13:30	12/14/2023 08:00
SC-61	23L0795-07	Soil	12/13/2023 14:30	12/14/2023 08:00
SC-53	23L0795-08	Soil	12/13/2023 15:00	12/14/2023 08:00
SC-52	23L0795-09	Soil	12/13/2023 15:45	12/14/2023 08:00
Dup-3	23L0795-10	Soil	12/13/2023 00:00	12/14/2023 08:00
Trip Blank	23L0795-11	Non-Potable Water	12/06/2023 09:45	12/14/2023 08:00
SC-63	23L0912-01	Solids	12/14/2023 10:00	12/15/2023 08:00
SC-60	23L0912-02	Solids	12/14/2023 10:30	12/15/2023 08:00
SC-55	23L0912-03	Solids	12/14/2023 10:50	12/15/2023 08:00
SC-50	23L0912-04	Solids	12/14/2023 11:10	12/15/2023 08:00
SC-56	23L0912-05	Solids	12/14/2023 11:30	12/15/2023 08:00
SC-47	23L0912-06	Solids	12/14/2023 13:10	12/15/2023 08:00
SC-48	23L0912-07	Solids	12/14/2023 13:30	12/15/2023 08:00
SC-49	23L0912-08	Solids	12/14/2023 14:00	12/15/2023 08:00
SC-54	23L0912-09	Solids	12/14/2023 14:40	12/15/2023 08:00
SC-38	23L0912-10	Solids	12/14/2023 15:00	12/15/2023 08:00
SC-39	23L0912-11	Solids	12/14/2023 15:15	12/15/2023 08:00

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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Dup-4	23L0912-12	Solids	12/14/2023 00:00	12/15/2023 08:00
Trip Blank	23L0912-13	Non-Potable Water	12/06/2023 09:45	12/15/2023 08:00
SC-33	23L1137-01	Solids	12/19/2023 10:45	12/20/2023 08:00
SC-32	23L1137-02	Solids	12/19/2023 11:00	12/20/2023 08:00
SC-31	23L1137-03	Solids	12/19/2023 11:30	12/20/2023 08:00
SC-42	23L1137-04	Solids	12/19/2023 11:45	12/20/2023 08:00
SC-43	23L1137-05	Solids	12/19/2023 13:45	12/20/2023 08:00
SC-30	23L1137-06	Solids	12/19/2023 14:00	12/20/2023 08:00
SC-41	23L1137-07	Solids	12/19/2023 14:15	12/20/2023 08:00
SC-40	23L1137-08	Solids	12/19/2023 14:30	12/20/2023 08:00
SC-29	23L1137-09	Solids	12/19/2023 14:45	12/20/2023 08:00
SC-27	23L1137-10	Solids	12/19/2023 15:00	12/20/2023 08:00
SC-28	23L1137-11	Solids	12/19/2023 15:30	12/20/2023 08:00
DUP-5	23L1137-12	Solids	12/19/2023 00:00	12/20/2023 08:00
Trip Blank	23L1137-13	Non-Potable Water	12/06/2023 09:45	12/20/2023 08:00
SC-1	23L1228-01	Solids	12/20/2023 14:30	12/21/2023 08:00
SC-2	23L1228-02	Solids	12/20/2023 15:00	12/21/2023 08:00
SC-5	23L1228-03	Solids	12/20/2023 15:15	12/21/2023 08:00
SC-6	23L1228-04	Solids	12/20/2023 15:30	12/21/2023 08:00
SC-10	23L1228-05	Solids	12/20/2023 12:00	12/21/2023 08:00
SC-11	23L1228-06	Solids	12/20/2023 12:20	12/21/2023 08:00

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Date Issued: 1/8/2024 5:19:06PM

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SC-16	23L1228-07	Solids	12/20/2023 12:30	12/21/2023 08:00
SC-17	23L1228-08	Solids	12/20/2023 12:40	12/21/2023 08:00
SC-18	23L1228-09	Solids	12/20/2023 12:50	12/21/2023 08:00
SC-19	23L1228-10	Solids	12/20/2023 13:00	12/21/2023 08:00
SC-20	23L1228-11	Solids	12/20/2023 13:20	12/21/2023 08:00
SC-21	23L1228-12	Solids	12/20/2023 13:30	12/21/2023 08:00
DUP-6	23L1228-13	Solids	12/20/2023 00:00	12/21/2023 08:00
Trip Blank	23L1228-14	Non-Potable Water	12/20/2023 00:00	12/21/2023 08:00
BG-1-6"	23L1295-01	Soil	12/21/2023 09:45	12/21/2023 16:27
BG-1-12"	23L1295-02	Soil	12/21/2023 10:00	12/21/2023 16:27
BG-2-6"	23L1295-03	Soil	12/21/2023 10:05	12/21/2023 16:27
BG-2-12"	23L1295-04	Soil	12/21/2023 10:10	12/21/2023 16:27
BG-3-6"	23L1295-05	Soil	12/21/2023 10:15	12/21/2023 16:27
BG-3-12"	23L1295-06	Soil	12/21/2023 10:20	12/21/2023 16:27
BG-4-6"	23L1295-07	Soil	12/21/2023 10:25	12/21/2023 16:27
BG-4-12"	23L1295-08	Soil	12/21/2023 10:30	12/21/2023 16:27
BG-5-6"	23L1295-09	Soil	12/21/2023 10:35	12/21/2023 16:27
BG-5-12"	23L1295-10	Soil	12/21/2023 10:40	12/21/2023 16:27
BG-6-6"	23L1295-11	Soil	12/21/2023 10:45	12/21/2023 16:27
BG-6-12"	23L1295-12	Soil	12/21/2023 10:50	12/21/2023 16:27
BG-7-6"	23L1295-13	Soil	12/21/2023 10:55	12/21/2023 16:27

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BG-7-12"	23L1295-14	Soil	12/21/2023 11:00	12/21/2023 16:27
BG-8-6"	23L1295-15	Soil	12/21/2023 11:05	12/21/2023 16:27
BG-8-12"	23L1295-16	Soil	12/21/2023 11:10	12/21/2023 16:27
DUP-7	23L1295-17	Soil	12/21/2023 00:00	12/21/2023 16:27
Trip Blank	23L1295-18	Non-Potable Water	12/20/2023 00:00	12/21/2023 16:27

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Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-3** **Laboratory Sample ID:** **23L0566-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	01	7440-22-4	SW6020B	12/12/2023 12:15	12/15/2023 11:52	690		2.95	2.95	1	ug/kg dry	AB
Arsenic	01	7440-38-2	SW6020B	12/12/2023 12:15	12/15/2023 11:52	5680		59.1	59.1	1	ug/kg dry	AB
Barium	01RE1	7440-39-3	SW6020B	12/12/2023 12:15	12/15/2023 13:55	391000		59100	59100	100	ug/kg dry	AB
Beryllium	01	7440-41-7	SW6020B	12/12/2023 12:15	12/15/2023 11:52	628		59.1	59.1	1	ug/kg dry	AB
Cadmium	01	7440-43-9	SW6020B	12/12/2023 12:15	12/15/2023 11:52	1330		59.1	59.1	1	ug/kg dry	AB
Cobalt	01	7440-48-4	SW6020B	12/12/2023 12:15	12/15/2023 11:52	20200		59.1	59.1	1	ug/kg dry	AB
Chromium	01RE1	7440-47-3	SW6020B	12/12/2023 12:15	12/15/2023 13:55	60900		5910	5910	100	ug/kg dry	AB
Copper	01RE1	7440-50-8	SW6020B	12/12/2023 12:15	12/15/2023 13:55	206000		5910	5910	100	ug/kg dry	AB
Mercury	01	7439-97-6	SW7471B	12/14/2023 09:45	12/14/2023 11:57	0.504		0.010	0.010	1	mg/kg dry	AB
Manganese	01RE1	7439-96-5	SW6020B	12/12/2023 12:15	12/15/2023 13:55	586000		5910	5910	100	ug/kg dry	AB
Nickel	01RE1	7440-02-0	SW6020B	12/12/2023 12:15	12/15/2023 13:55	31500		5910	5910	100	ug/kg dry	AB
Lead	01RE1	7439-92-1	SW6020B	12/12/2023 12:15	12/15/2023 13:55	856000		5910	5910	100	ug/kg dry	AB
Antimony	01	7440-36-0	SW6020B	12/12/2023 12:15	12/15/2023 11:52	1640		59.1	59.1	1	ug/kg dry	AB
Selenium	01	7782-49-2	SW6020B	12/12/2023 12:15	12/15/2023 11:52	2160		59.1	59.1	1	ug/kg dry	AB
Thallium	01	7440-28-0	SW6020B	12/12/2023 12:15	12/15/2023 11:52	100		59.1	59.1	1	ug/kg dry	AB
Vanadium	01RE1	7440-62-2	SW6020B	12/12/2023 12:15	12/15/2023 13:55	126000		29500	29500	100	ug/kg dry	AB
Zinc	01RE1	7440-66-6	SW6020B	12/12/2023 12:15	12/15/2023 13:55	487000		29500	29500	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	01	630-20-6	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
1,1,1-Trichloroethane	01	71-55-6	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	01	79-34-5	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
1,1,2-Trichloroethane	01	79-00-5	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
1,1-Dichloroethane	01	75-34-3	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
1,1-Dichloroethylene	01	75-35-4	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB

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Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-3** **Laboratory Sample ID:** **23L0566-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	01	563-58-6	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	01	87-61-6	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
1,2,3-Trichloropropane	01	96-18-4	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	01	120-82-1	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	01	95-63-6	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	01	96-12-8	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	01	106-93-4	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
1,2-Dichlorobenzene	01	95-50-1	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
1,2-Dichloroethane	01	107-06-2	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
1,2-Dichloropropane	01	78-87-5	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	01	108-67-8	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
1,3-Dichlorobenzene	01	541-73-1	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
1,3-Dichloropropane	01	142-28-9	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
1,4-Dichlorobenzene	01	106-46-7	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
2,2-Dichloropropane	01	594-20-7	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
2-Butanone (MEK)	01	78-93-3	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
2-Chlorotoluene	01	95-49-8	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
2-Hexanone (MBK)	01	591-78-6	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD	C	5.53	5.53	1	ug/kg dry	RJB
4-Chlorotoluene	01	106-43-4	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
4-Isopropyltoluene	01	99-87-6	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	01	108-10-1	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD	C	5.53	5.53	1	ug/kg dry	RJB
Acetone	01	67-64-1	SW8260D	12/12/2023 15:48	12/12/2023 15:48	73.2		11.1	11.1	1	ug/kg dry	RJB
Benzene	01	71-43-2	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
Bromobenzene	01	108-86-1	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-3 **Laboratory Sample ID:** 23L0566-01

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	01	74-97-5	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
Bromodichloromethane	01	75-27-4	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
Bromoform	01	75-25-2	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
Bromomethane	01	74-83-9	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
Carbon disulfide	01	75-15-0	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
Carbon tetrachloride	01	56-23-5	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
Chlorobenzene	01	108-90-7	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
Chloroethane	01	75-00-3	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
Chloroform	01	67-66-3	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
Chloromethane	01	74-87-3	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	01	156-59-2	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	01	10061-01-5	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
Dibromochloromethane	01	124-48-1	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
Dibromomethane	01	74-95-3	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
Dichlorodifluoromethane	01	75-71-8	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	01	108-20-3	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
Ethylbenzene	01	100-41-4	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
Hexachlorobutadiene	01	87-68-3	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
Iodomethane	01	74-88-4	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		11.1	11.1	1	ug/kg dry	RJB
Isopropylbenzene	01	98-82-8	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
m+p-Xylenes	01	179601-23-1	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
Methylene chloride	01	75-09-2	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	01	1634-04-4	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB

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Client Sample ID: **SC-3** **Laboratory Sample ID:** **23L0566-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	01	91-20-3	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
n-Butylbenzene	01	104-51-8	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
n-Propylbenzene	01	103-65-1	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
o-Xylene	01	95-47-6	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
sec-Butylbenzene	01	135-98-8	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
Styrene	01	100-42-5	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
tert-Butylbenzene	01	98-06-6	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	01	127-18-4	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD	C	5.53	5.53	1	ug/kg dry	RJB
Toluene	01	108-88-3	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	01	156-60-5	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	01	10061-02-6	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
Trichloroethylene	01	79-01-6	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
Trichlorofluoromethane	01	75-69-4	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
Vinyl acetate	01	108-05-4	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	11.1	1	ug/kg dry	RJB
Vinyl chloride	01	75-01-4	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		5.53	5.53	1	ug/kg dry	RJB
Xylenes, Total	01	1330-20-7	SW8260D	12/12/2023 15:48	12/12/2023 15:48	BLOD		16.6	16.6	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*01*	*131 %*	*80-120*	*12/12/2023 15:48*	*12/12/2023 15:48*							*S*
Surr: 4-Bromofluorobenzene (Surr)	*01*	*96.6 %*	*85-120*	*12/12/2023 15:48*	*12/12/2023 15:48*							
Surr: Dibromofluoromethane (Surr)	*01*	*113 %*	*80-130*	*12/12/2023 15:48*	*12/12/2023 15:48*							
Surr: Toluene-d8 (Surr)	*01*	*101 %*	*85-115*	*12/12/2023 15:48*	*12/12/2023 15:48*							

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Client Sample ID: **SC-3** **Laboratory Sample ID:** **23L0566-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	01	123-91-1	SW8270E SIM	12/15/2023 08:45	12/18/2023 15:29	BLOD		4.02	4.02	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*01*	*91.8 %*	*35-100*	*12/15/2023 08:45*	*12/18/2023 15:29*							
1,2,4,5-Tetrachlorobenzene	01	95-94-3	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
1,2,4-Trichlorobenzene	01	120-82-1	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
1,2-Dichlorobenzene	01	95-50-1	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
1,2-Diphenylhydrazine	01	122-66-7	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
1,3-Dichlorobenzene	01	541-73-1	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
1,3-Dinitrobenzene	01	99-65-0	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
1,4-Dichlorobenzene	01	106-46-7	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
1-Chloronaphthalene	01	90-13-1	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
1-Naphthylamine	01	134-32-7	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	01	58-90-2	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
2,4,5-Trichlorophenol	01	95-95-4	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
2,4,6-Trichlorophenol	01	88-06-2	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
2,4-Dichlorophenol	01	120-83-2	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
2,4-Dimethylphenol	01	105-67-9	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
2,4-Dinitrophenol	01	51-28-5	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
2,4-Dinitrotoluene	01	121-14-2	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
2,6-Dichlorophenol	01	87-65-0	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
2,6-Dinitrotoluene	01	606-20-2	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
2-Chloronaphthalene	01	91-58-7	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
2-Chlorophenol	01	95-57-8	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
2-Methylnaphthalene	01	91-57-6	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS

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Client Sample ID: SC-3 **Laboratory Sample ID:** 23L0566-01

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	01	91-59-8	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
2-Nitroaniline	01	88-74-4	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
2-Nitrophenol	01	88-75-5	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
3,3'-Dichlorobenzidine	01	91-94-1	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
3-Methylcholanthrene	01	56-49-5	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
3-Nitroaniline	01	99-09-2	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	01	534-52-1	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
4-Aminobiphenyl	01	92-67-1	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
4-Bromophenyl phenyl ether	01	101-55-3	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
4-Chloroaniline	01	106-47-8	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	01	7005-72-3	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
4-Nitroaniline	01	100-01-6	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
4-Nitrophenol	01	100-02-7	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	01	57-97-6	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Acenaphthene	01	83-32-9	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Acenaphthylene	01	208-96-8	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Acetophenone	01	98-86-2	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Aniline	01	62-53-3	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Anthracene	01	120-12-7	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Benzidine	01	92-87-5	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Benzo (a) anthracene	01	56-55-3	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Benzo (a) pyrene	01	50-32-8	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Benzo (b) fluoranthene	01	205-99-2	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Benzo (g,h,i) perylene	01	191-24-2	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	01	207-08-9	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Benzoic acid	01	65-85-0	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Benzyl alcohol	01	100-51-6	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	01	111-91-1	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
bis (2-Chloroethyl) ether	01	111-44-4	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	01	108-60-1	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	01	117-81-7	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Butyl benzyl phthalate	01	85-68-7	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Chrysene	01	218-01-9	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Dibenz (a,h) anthracene	01	53-70-3	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Dibenz (a,j) acridine	01	224-42-0	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Dibenzofuran	01	132-64-9	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Diethyl phthalate	01	84-66-2	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Dimethyl phthalate	01	131-11-3	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Di-n-butyl phthalate	01	84-74-2	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Di-n-octyl phthalate	01	117-84-0	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Diphenylamine	01	122-39-4	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Ethyl methanesulfonate	01	62-50-0	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Fluoranthene	01	206-44-0	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Fluorene	01	86-73-7	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Hexachlorobenzene	01	118-74-1	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Hexachlorobutadiene	01	87-68-3	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Hexachlorocyclopentadiene	01	77-47-4	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Hexachloroethane	01	67-72-1	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS

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Client Sample ID: SC-3 **Laboratory Sample ID:** 23L0566-01

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	01	193-39-5	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Isophorone	01	78-59-1	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
m+p-Cresols	01	1319-77-3	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Methyl methanesulfonate	01	66-27-3	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Naphthalene	01	91-20-3	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Nitrobenzene	01	98-95-3	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
n-Nitrosodimethylamine	01	62-75-9	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	01	924-16-3	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	01	621-64-7	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
n-Nitrosodiphenylamine	01	86-30-6	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
n-Nitrosopiperidine	01	100-75-4	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
o+m+p-Cresols	01	1319-77-3	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
o-Cresol	01	95-48-7	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	01	60-11-7	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
p-Chloro-m-cresol	01	59-50-7	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	01	82-68-8	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Pentachlorophenol	01	87-86-5	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD	C	1010	1010	10	ug/kg dry	BMS
Phenacetin	01	62-44-2	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Phenanthrene	01	85-01-8	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Phenol	01	108-95-2	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Pronamide	01	23950-58-5	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Pyrene	01	129-00-0	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Pyridine	01	110-86-1	SW8270E	12/15/2023 08:45	12/18/2023 20:21	BLOD		1010	1010	10	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*01*	*29.0 %*	*15-96*	*12/15/2023 08:45*	*12/18/2023 20:21*							

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*01*		*17.8 %*	*19-105*	*12/15/2023 08:45*	*12/18/2023 20:21*						*DS*
Surr: 2-Fluorophenol (Surr)	*01*		*56.1 %*	*12-95*	*12/15/2023 08:45*	*12/18/2023 20:21*						
Surr: Nitrobenzene-d5 (Surr)	*01*		*57.6 %*	*21-100*	*12/15/2023 08:45*	*12/18/2023 20:21*						
Surr: Phenol-d5 (Surr)	*01*		*53.5 %*	*13-100*	*12/15/2023 08:45*	*12/18/2023 20:21*						
Surr: p-Terphenyl-d14 (Surr)	*01*		*39.8 %*	*25-125*	*12/15/2023 08:45*	*12/18/2023 20:21*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	01	14808-79-8	SW9056A	12/12/2023 23:07	12/12/2023 23:07	32.3		3.09	12.4	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	01	7664-41-7	EPA350.1 R2.0	12/22/2023 15:01	12/22/2023 15:01	BLOD		12.2	12.2	1	mg/kg dry	SPH
Chromium, Hexavalent	01RE1	18540-29-9	SW7199	12/15/2023 01:01	12/15/2023 01:01	1.14	M3	0.25	0.25	1	mg/kg dry	AAL
Nitrate as N	01	14797-55-8	SW9056A	12/12/2023 23:07	12/12/2023 23:07	2.22	J	1.24	2.47	1	mg/kg dry	ATG
Percent Solids	01	NA	SM2540G-2011	12/15/2023 14:56	12/15/2023 14:56	80.9		0.10	0.10	1	%	LAM

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Client Sample ID: **SC-7** **Laboratory Sample ID:** **23L0566-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	02	7440-22-4	SW6020B	12/12/2023 12:15	12/15/2023 11:56	124		2.84	2.84	1	ug/kg dry	AB
Arsenic	02	7440-38-2	SW6020B	12/12/2023 12:15	12/15/2023 11:56	2540		56.8	56.8	1	ug/kg dry	AB
Barium	02RE1	7440-39-3	SW6020B	12/12/2023 12:15	12/15/2023 13:58	136000		56800	56800	100	ug/kg dry	AB
Beryllium	02	7440-41-7	SW6020B	12/12/2023 12:15	12/15/2023 11:56	524		56.8	56.8	1	ug/kg dry	AB
Cadmium	02	7440-43-9	SW6020B	12/12/2023 12:15	12/15/2023 11:56	243		56.8	56.8	1	ug/kg dry	AB
Cobalt	02	7440-48-4	SW6020B	12/12/2023 12:15	12/15/2023 11:56	16700		56.8	56.8	1	ug/kg dry	AB
Chromium	02RE1	7440-47-3	SW6020B	12/12/2023 12:15	12/15/2023 13:58	44400		5680	5680	100	ug/kg dry	AB
Copper	02RE1	7440-50-8	SW6020B	12/12/2023 12:15	12/15/2023 13:58	85400		5680	5680	100	ug/kg dry	AB
Mercury	02	7439-97-6	SW7471B	12/14/2023 09:45	12/14/2023 11:59	0.116		0.009	0.009	1	mg/kg dry	AB
Manganese	02RE1	7439-96-5	SW6020B	12/12/2023 12:15	12/15/2023 13:58	512000		5680	5680	100	ug/kg dry	AB
Nickel	02RE1	7440-02-0	SW6020B	12/12/2023 12:15	12/15/2023 13:58	24100		5680	5680	100	ug/kg dry	AB
Lead	02RE1	7439-92-1	SW6020B	12/12/2023 12:15	12/15/2023 13:58	84800		5680	5680	100	ug/kg dry	AB
Antimony	02	7440-36-0	SW6020B	12/12/2023 12:15	12/15/2023 11:56	219		56.8	56.8	1	ug/kg dry	AB
Selenium	02	7782-49-2	SW6020B	12/12/2023 12:15	12/15/2023 11:56	1530		56.8	56.8	1	ug/kg dry	AB
Thallium	02	7440-28-0	SW6020B	12/12/2023 12:15	12/15/2023 11:56	75.6		56.8	56.8	1	ug/kg dry	AB
Vanadium	02RE1	7440-62-2	SW6020B	12/12/2023 12:15	12/15/2023 13:58	97300		28400	28400	100	ug/kg dry	AB
Zinc	02RE1	7440-66-6	SW6020B	12/12/2023 12:15	12/15/2023 13:58	132000		28400	28400	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	02	630-20-6	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
1,1,1-Trichloroethane	02	71-55-6	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	02	79-34-5	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
1,1,2-Trichloroethane	02	79-00-5	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
1,1-Dichloroethane	02	75-34-3	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
1,1-Dichloroethylene	02	75-35-4	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB

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Client Sample ID: **SC-7** **Laboratory Sample ID:** **23L0566-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	02	563-58-6	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	02	87-61-6	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
1,2,3-Trichloropropane	02	96-18-4	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	02	120-82-1	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	02	95-63-6	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	02	96-12-8	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	02	106-93-4	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
1,2-Dichlorobenzene	02	95-50-1	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
1,2-Dichloroethane	02	107-06-2	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
1,2-Dichloropropane	02	78-87-5	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	02	108-67-8	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
1,3-Dichlorobenzene	02	541-73-1	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
1,3-Dichloropropane	02	142-28-9	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
1,4-Dichlorobenzene	02	106-46-7	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
2,2-Dichloropropane	02	594-20-7	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
2-Butanone (MEK)	02	78-93-3	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
2-Chlorotoluene	02	95-49-8	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
2-Hexanone (MBK)	02	591-78-6	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD	C	5.42	5.42	1	ug/kg dry	RJB
4-Chlorotoluene	02	106-43-4	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
4-Isopropyltoluene	02	99-87-6	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	02	108-10-1	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD	C	5.42	5.42	1	ug/kg dry	RJB
Acetone	02	67-64-1	SW8260D	12/12/2023 16:34	12/12/2023 16:34	115		10.8	10.8	1	ug/kg dry	RJB
Benzene	02	71-43-2	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
Bromobenzene	02	108-86-1	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	02	74-97-5	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
Bromodichloromethane	02	75-27-4	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
Bromoform	02	75-25-2	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
Bromomethane	02	74-83-9	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
Carbon disulfide	02	75-15-0	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
Carbon tetrachloride	02	56-23-5	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
Chlorobenzene	02	108-90-7	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
Chloroethane	02	75-00-3	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
Chloroform	02	67-66-3	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
Chloromethane	02	74-87-3	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	02	156-59-2	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	02	10061-01-5	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
Dibromochloromethane	02	124-48-1	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
Dibromomethane	02	74-95-3	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
Dichlorodifluoromethane	02	75-71-8	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	02	108-20-3	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
Ethylbenzene	02	100-41-4	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
Hexachlorobutadiene	02	87-68-3	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
Iodomethane	02	74-88-4	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		10.8	10.8	1	ug/kg dry	RJB
Isopropylbenzene	02	98-82-8	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
m+p-Xylenes	02	179601-23-1	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
Methylene chloride	02	75-09-2	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	02	1634-04-4	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

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Client Sample ID: SC-7 **Laboratory Sample ID:** 23L0566-02

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	02	91-20-3	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
n-Butylbenzene	02	104-51-8	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
n-Propylbenzene	02	103-65-1	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
o-Xylene	02	95-47-6	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
sec-Butylbenzene	02	135-98-8	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
Styrene	02	100-42-5	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
tert-Butylbenzene	02	98-06-6	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	02	127-18-4	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD	C	5.42	5.42	1	ug/kg dry	RJB
Toluene	02	108-88-3	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	02	156-60-5	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	02	10061-02-6	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
Trichloroethylene	02	79-01-6	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
Trichlorofluoromethane	02	75-69-4	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
Vinyl acetate	02	108-05-4	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	10.8	1	ug/kg dry	RJB
Vinyl chloride	02	75-01-4	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		5.42	5.42	1	ug/kg dry	RJB
Xylenes, Total	02	1330-20-7	SW8260D	12/12/2023 16:34	12/12/2023 16:34	BLOD		16.3	16.3	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*02*		*128 %*	*80-120*	*12/12/2023 16:34*	*12/12/2023 16:34*						*S*
Surr: 4-Bromofluorobenzene (Surr)	*02*		*95.8 %*	*85-120*	*12/12/2023 16:34*	*12/12/2023 16:34*						
Surr: Dibromofluoromethane (Surr)	*02*		*114 %*	*80-130*	*12/12/2023 16:34*	*12/12/2023 16:34*						
Surr: Toluene-d8 (Surr)	*02*		*102 %*	*85-115*	*12/12/2023 16:34*	*12/12/2023 16:34*						

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Client Sample ID: **SC-7** **Laboratory Sample ID:** **23L0566-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	02	123-91-1	SW8270E SIM	12/15/2023 08:45	12/18/2023 15:56	BLOD		3.95	3.95	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*02*	*88.6 %*	*35-100*	*12/15/2023 08:45*	*12/18/2023 15:56*							
1,2,4,5-Tetrachlorobenzene	02	95-94-3	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
1,2,4-Trichlorobenzene	02	120-82-1	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
1,2-Dichlorobenzene	02	95-50-1	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
1,2-Diphenylhydrazine	02	122-66-7	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
1,3-Dichlorobenzene	02	541-73-1	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
1,3-Dinitrobenzene	02	99-65-0	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
1,4-Dichlorobenzene	02	106-46-7	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
1-Chloronaphthalene	02	90-13-1	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
1-Naphthylamine	02	134-32-7	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	02	58-90-2	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
2,4,5-Trichlorophenol	02	95-95-4	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
2,4,6-Trichlorophenol	02	88-06-2	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
2,4-Dichlorophenol	02	120-83-2	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
2,4-Dimethylphenol	02	105-67-9	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
2,4-Dinitrophenol	02	51-28-5	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
2,4-Dinitrotoluene	02	121-14-2	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
2,6-Dichlorophenol	02	87-65-0	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
2,6-Dinitrotoluene	02	606-20-2	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
2-Chloronaphthalene	02	91-58-7	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
2-Chlorophenol	02	95-57-8	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
2-Methylnaphthalene	02	91-57-6	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS

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Client Sample ID: SC-7 **Laboratory Sample ID:** 23L0566-02

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	02	91-59-8	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
2-Nitroaniline	02	88-74-4	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
2-Nitrophenol	02	88-75-5	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
3,3'-Dichlorobenzidine	02	91-94-1	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
3-Methylcholanthrene	02	56-49-5	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
3-Nitroaniline	02	99-09-2	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	02	534-52-1	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
4-Aminobiphenyl	02	92-67-1	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
4-Bromophenyl phenyl ether	02	101-55-3	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
4-Chloroaniline	02	106-47-8	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	02	7005-72-3	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
4-Nitroaniline	02	100-01-6	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
4-Nitrophenol	02	100-02-7	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	02	57-97-6	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Acenaphthene	02	83-32-9	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Acenaphthylene	02	208-96-8	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Acetophenone	02	98-86-2	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Aniline	02	62-53-3	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Anthracene	02	120-12-7	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Benzidine	02	92-87-5	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Benzo (a) anthracene	02	56-55-3	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Benzo (a) pyrene	02	50-32-8	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Benzo (b) fluoranthene	02	205-99-2	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Benzo (g,h,i) perylene	02	191-24-2	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS

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Client Sample ID: SC-7 **Laboratory Sample ID:** 23L0566-02

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	02	207-08-9	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Benzoic acid	02	65-85-0	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Benzyl alcohol	02	100-51-6	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	02	111-91-1	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
bis (2-Chloroethyl) ether	02	111-44-4	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	02	108-60-1	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	02	117-81-7	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Butyl benzyl phthalate	02	85-68-7	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Chrysene	02	218-01-9	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Dibenz (a,h) anthracene	02	53-70-3	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Dibenz (a,j) acridine	02	224-42-0	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Dibenzofuran	02	132-64-9	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Diethyl phthalate	02	84-66-2	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Dimethyl phthalate	02	131-11-3	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Di-n-butyl phthalate	02	84-74-2	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Di-n-octyl phthalate	02	117-84-0	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Diphenylamine	02	122-39-4	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Ethyl methanesulfonate	02	62-50-0	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Fluoranthene	02	206-44-0	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Fluorene	02	86-73-7	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Hexachlorobenzene	02	118-74-1	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Hexachlorobutadiene	02	87-68-3	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Hexachlorocyclopentadiene	02	77-47-4	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Hexachloroethane	02	67-72-1	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS

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Client Sample ID: SC-7 **Laboratory Sample ID:** 23L0566-02

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	02	193-39-5	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Isophorone	02	78-59-1	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
m+p-Cresols	02	1319-77-3	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Methyl methanesulfonate	02	66-27-3	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Naphthalene	02	91-20-3	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Nitrobenzene	02	98-95-3	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
n-Nitrosodimethylamine	02	62-75-9	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	02	924-16-3	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	02	621-64-7	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
n-Nitrosodiphenylamine	02	86-30-6	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
n-Nitrosopiperidine	02	100-75-4	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
o+m+p-Cresols	02	1319-77-3	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
o-Cresol	02	95-48-7	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	02	60-11-7	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
p-Chloro-m-cresol	02	59-50-7	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	02	82-68-8	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Pentachlorophenol	02	87-86-5	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD	C	988	988	10	ug/kg dry	BMS
Phenacetin	02	62-44-2	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Phenanthrene	02	85-01-8	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Phenol	02	108-95-2	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Pronamide	02	23950-58-5	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Pyrene	02	129-00-0	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Pyridine	02	110-86-1	SW8270E	12/15/2023 08:45	12/18/2023 20:56	BLOD		988	988	10	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*02*	*32.7 %*	*15-96*	*12/15/2023 08:45*	*12/18/2023 20:56*							

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Client Sample ID: **SC-7** **Laboratory Sample ID:** **23L0566-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*02*		*19.4 %*	*19-105*	*12/15/2023 08:45*	*12/18/2023 20:56*						
Surr: 2-Fluorophenol (Surr)	*02*		*61.9 %*	*12-95*	*12/15/2023 08:45*	*12/18/2023 20:56*						
Surr: Nitrobenzene-d5 (Surr)	*02*		*66.0 %*	*21-100*	*12/15/2023 08:45*	*12/18/2023 20:56*						
Surr: Phenol-d5 (Surr)	*02*		*55.5 %*	*13-100*	*12/15/2023 08:45*	*12/18/2023 20:56*						
Surr: p-Terphenyl-d14 (Surr)	*02*		*38.8 %*	*25-125*	*12/15/2023 08:45*	*12/18/2023 20:56*						

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Client Sample ID: **SC-7** **Laboratory Sample ID:** **23L0566-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Ion Chromatography Analyses												
Sulfate	02	14808-79-8	SW9056A	12/12/2023 23:31	12/12/2023 23:31	9.37	J	2.97	11.9	1	mg/kg dry	ATG

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Client Sample ID: **SC-7** **Laboratory Sample ID:** **23L0566-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	02	7664-41-7	EPA350.1 R2.0	12/22/2023 15:01	12/22/2023 15:01	BLOD		11.6	11.6	1	mg/kg dry	SPH
Chromium, Hexavalent	02	18540-29-9	SW7199	12/15/2023 03:14	12/15/2023 03:14	1.19		0.24	0.24	1	mg/kg dry	AAL
Nitrate as N	02	14797-55-8	SW9056A	12/12/2023 23:31	12/12/2023 23:31	4.76		1.19	2.38	1	mg/kg dry	ATG
Percent Solids	02	NA	SM2540G-2011	12/15/2023 14:56	12/15/2023 14:56	84.0		0.10	0.10	1	%	LAM

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Client Sample ID: **SC-8** **Laboratory Sample ID:** **23L0566-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	03	7440-22-4	SW6020B	12/12/2023 12:15	12/15/2023 12:05	124		2.69	2.69	1	ug/kg dry	AB
Arsenic	03	7440-38-2	SW6020B	12/12/2023 12:15	12/15/2023 12:05	2170		53.8	53.8	1	ug/kg dry	AB
Barium	03RE1	7440-39-3	SW6020B	12/12/2023 12:15	12/15/2023 14:14	137000		53800	53800	100	ug/kg dry	AB
Beryllium	03	7440-41-7	SW6020B	12/12/2023 12:15	12/15/2023 12:05	464		53.8	53.8	1	ug/kg dry	AB
Cadmium	03	7440-43-9	SW6020B	12/12/2023 12:15	12/15/2023 12:05	173		53.8	53.8	1	ug/kg dry	AB
Cobalt	03	7440-48-4	SW6020B	12/12/2023 12:15	12/15/2023 12:05	11900		53.8	53.8	1	ug/kg dry	AB
Chromium	03RE1	7440-47-3	SW6020B	12/12/2023 12:15	12/15/2023 14:14	38500		5380	5380	100	ug/kg dry	AB
Copper	03RE1	7440-50-8	SW6020B	12/12/2023 12:15	12/15/2023 14:14	46200		5380	5380	100	ug/kg dry	AB
Mercury	03	7439-97-6	SW7471B	12/14/2023 09:45	12/14/2023 12:02	0.060		0.009	0.009	1	mg/kg dry	AB
Manganese	03RE1	7439-96-5	SW6020B	12/12/2023 12:15	12/15/2023 14:14	530000		5380	5380	100	ug/kg dry	AB
Nickel	03	7440-02-0	SW6020B	12/12/2023 12:15	12/15/2023 12:05	17400		53.8	53.8	1	ug/kg dry	AB
Lead	03RE1	7439-92-1	SW6020B	12/12/2023 12:15	12/15/2023 14:14	33300		5380	5380	100	ug/kg dry	AB
Antimony	03	7440-36-0	SW6020B	12/12/2023 12:15	12/15/2023 12:05	110		53.8	53.8	1	ug/kg dry	AB
Selenium	03	7782-49-2	SW6020B	12/12/2023 12:15	12/15/2023 12:05	1910		53.8	53.8	1	ug/kg dry	AB
Thallium	03	7440-28-0	SW6020B	12/12/2023 12:15	12/15/2023 12:05	57.7		53.8	53.8	1	ug/kg dry	AB
Vanadium	03RE1	7440-62-2	SW6020B	12/12/2023 12:15	12/15/2023 14:14	84900		26900	26900	100	ug/kg dry	AB
Zinc	03RE1	7440-66-6	SW6020B	12/12/2023 12:15	12/15/2023 14:14	99500		26900	26900	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	03	630-20-6	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
1,1,1-Trichloroethane	03	71-55-6	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	03	79-34-5	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
1,1,2-Trichloroethane	03	79-00-5	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
1,1-Dichloroethane	03	75-34-3	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
1,1-Dichloroethylene	03	75-35-4	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB

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Client Sample ID: **SC-8** **Laboratory Sample ID:** **23L0566-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	03	563-58-6	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	03	87-61-6	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
1,2,3-Trichloropropane	03	96-18-4	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	03	120-82-1	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	03	95-63-6	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	03	96-12-8	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	03	106-93-4	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
1,2-Dichlorobenzene	03	95-50-1	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
1,2-Dichloroethane	03	107-06-2	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
1,2-Dichloropropane	03	78-87-5	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	03	108-67-8	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
1,3-Dichlorobenzene	03	541-73-1	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
1,3-Dichloropropane	03	142-28-9	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
1,4-Dichlorobenzene	03	106-46-7	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
2,2-Dichloropropane	03	594-20-7	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
2-Butanone (MEK)	03	78-93-3	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
2-Chlorotoluene	03	95-49-8	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
2-Hexanone (MBK)	03	591-78-6	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD	C	4.60	5.00	1	ug/kg dry	RJB
4-Chlorotoluene	03	106-43-4	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
4-Isopropyltoluene	03	99-87-6	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	03	108-10-1	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD	C	4.60	5.00	1	ug/kg dry	RJB
Acetone	03	67-64-1	SW8260D	12/12/2023 16:58	12/12/2023 16:58	18.8		9.20	10.0	1	ug/kg dry	RJB
Benzene	03	71-43-2	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
Bromobenzene	03	108-86-1	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB

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Client Sample ID: SC-8 **Laboratory Sample ID:** 23L0566-03

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	03	74-97-5	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
Bromodichloromethane	03	75-27-4	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
Bromoform	03	75-25-2	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
Bromomethane	03	74-83-9	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
Carbon disulfide	03	75-15-0	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
Carbon tetrachloride	03	56-23-5	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
Chlorobenzene	03	108-90-7	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
Chloroethane	03	75-00-3	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
Chloroform	03	67-66-3	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
Chloromethane	03	74-87-3	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	03	156-59-2	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	03	10061-01-5	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
Dibromochloromethane	03	124-48-1	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
Dibromomethane	03	74-95-3	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
Dichlorodifluoromethane	03	75-71-8	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	03	108-20-3	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
Ethylbenzene	03	100-41-4	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
Hexachlorobutadiene	03	87-68-3	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
Iodomethane	03	74-88-4	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		9.20	10.0	1	ug/kg dry	RJB
Isopropylbenzene	03	98-82-8	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
m+p-Xylenes	03	179601-23-1	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
Methylene chloride	03	75-09-2	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	03	1634-04-4	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB

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Client Sample ID: SC-8 **Laboratory Sample ID:** 23L0566-03

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	03	91-20-3	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
n-Butylbenzene	03	104-51-8	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
n-Propylbenzene	03	103-65-1	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
o-Xylene	03	95-47-6	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
sec-Butylbenzene	03	135-98-8	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
Styrene	03	100-42-5	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
tert-Butylbenzene	03	98-06-6	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	03	127-18-4	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD	C	4.60	5.00	1	ug/kg dry	RJB
Toluene	03	108-88-3	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	03	156-60-5	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	03	10061-02-6	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
Trichloroethylene	03	79-01-6	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
Trichlorofluoromethane	03	75-69-4	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
Vinyl acetate	03	108-05-4	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	10.0	1	ug/kg dry	RJB
Vinyl chloride	03	75-01-4	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		4.60	5.00	1	ug/kg dry	RJB
Xylenes, Total	03	1330-20-7	SW8260D	12/12/2023 16:58	12/12/2023 16:58	BLOD		13.8	15.0	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*03*	*134 %*	*80-120*	*12/12/2023 16:58*	*12/12/2023 16:58*							*S*
Surr: 4-Bromofluorobenzene (Surr)	*03*	*95.5 %*	*85-120*	*12/12/2023 16:58*	*12/12/2023 16:58*							
Surr: Dibromofluoromethane (Surr)	*03*	*114 %*	*80-130*	*12/12/2023 16:58*	*12/12/2023 16:58*							
Surr: Toluene-d8 (Surr)	*03*	*102 %*	*85-115*	*12/12/2023 16:58*	*12/12/2023 16:58*							

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Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-8** **Laboratory Sample ID:** **23L0566-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	03	123-91-1	SW8270E SIM	12/15/2023 08:45	12/18/2023 16:22	BLOD		3.82	3.82	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*03*	*85.0 %*	*35-100*	*12/15/2023 08:45*	*12/18/2023 16:22*							
1,2,4,5-Tetrachlorobenzene	03	95-94-3	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
1,2,4-Trichlorobenzene	03	120-82-1	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
1,2-Dichlorobenzene	03	95-50-1	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
1,2-Diphenylhydrazine	03	122-66-7	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
1,3-Dichlorobenzene	03	541-73-1	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
1,3-Dinitrobenzene	03	99-65-0	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
1,4-Dichlorobenzene	03	106-46-7	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
1-Chloronaphthalene	03	90-13-1	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
1-Naphthylamine	03	134-32-7	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	03	58-90-2	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
2,4,5-Trichlorophenol	03	95-95-4	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
2,4,6-Trichlorophenol	03	88-06-2	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
2,4-Dichlorophenol	03	120-83-2	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
2,4-Dimethylphenol	03	105-67-9	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
2,4-Dinitrophenol	03	51-28-5	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
2,4-Dinitrotoluene	03	121-14-2	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
2,6-Dichlorophenol	03	87-65-0	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
2,6-Dinitrotoluene	03	606-20-2	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
2-Chloronaphthalene	03	91-58-7	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
2-Chlorophenol	03	95-57-8	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
2-Methylnaphthalene	03	91-57-6	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-8 **Laboratory Sample ID:** 23L0566-03

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	03	91-59-8	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
2-Nitroaniline	03	88-74-4	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
2-Nitrophenol	03	88-75-5	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
3,3'-Dichlorobenzidine	03	91-94-1	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
3-Methylcholanthrene	03	56-49-5	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
3-Nitroaniline	03	99-09-2	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	03	534-52-1	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
4-Aminobiphenyl	03	92-67-1	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
4-Bromophenyl phenyl ether	03	101-55-3	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
4-Chloroaniline	03	106-47-8	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	03	7005-72-3	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
4-Nitroaniline	03	100-01-6	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
4-Nitrophenol	03	100-02-7	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	03	57-97-6	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Acenaphthene	03	83-32-9	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Acenaphthylene	03	208-96-8	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Acetophenone	03	98-86-2	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Aniline	03	62-53-3	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Anthracene	03	120-12-7	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Benzidine	03	92-87-5	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Benzo (a) anthracene	03	56-55-3	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Benzo (a) pyrene	03	50-32-8	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Benzo (b) fluoranthene	03	205-99-2	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Benzo (g,h,i) perylene	03	191-24-2	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-8 **Laboratory Sample ID:** 23L0566-03

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	03	207-08-9	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Benzoic acid	03	65-85-0	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Benzyl alcohol	03	100-51-6	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	03	111-91-1	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
bis (2-Chloroethyl) ether	03	111-44-4	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	03	108-60-1	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	03	117-81-7	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Butyl benzyl phthalate	03	85-68-7	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Chrysene	03	218-01-9	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Dibenz (a,h) anthracene	03	53-70-3	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Dibenz (a,j) acridine	03	224-42-0	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Dibenzofuran	03	132-64-9	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Diethyl phthalate	03	84-66-2	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Dimethyl phthalate	03	131-11-3	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Di-n-butyl phthalate	03	84-74-2	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Di-n-octyl phthalate	03	117-84-0	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Diphenylamine	03	122-39-4	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Ethyl methanesulfonate	03	62-50-0	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Fluoranthene	03	206-44-0	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Fluorene	03	86-73-7	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Hexachlorobenzene	03	118-74-1	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Hexachlorobutadiene	03	87-68-3	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Hexachlorocyclopentadiene	03	77-47-4	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Hexachloroethane	03	67-72-1	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-8 **Laboratory Sample ID:** 23L0566-03

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	03	193-39-5	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Isophorone	03	78-59-1	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
m+p-Cresols	03	1319-77-3	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Methyl methanesulfonate	03	66-27-3	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Naphthalene	03	91-20-3	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Nitrobenzene	03	98-95-3	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
n-Nitrosodimethylamine	03	62-75-9	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	03	924-16-3	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	03	621-64-7	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
n-Nitrosodiphenylamine	03	86-30-6	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
n-Nitrosopiperidine	03	100-75-4	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
o+m+p-Cresols	03	1319-77-3	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
o-Cresol	03	95-48-7	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	03	60-11-7	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
p-Chloro-m-cresol	03	59-50-7	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	03	82-68-8	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Pentachlorophenol	03	87-86-5	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD	C	955	955	10	ug/kg dry	BMS
Phenacetin	03	62-44-2	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Phenanthrene	03	85-01-8	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Phenol	03	108-95-2	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Pronamide	03	23950-58-5	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Pyrene	03	129-00-0	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Pyridine	03	110-86-1	SW8270E	12/15/2023 08:45	12/18/2023 21:33	BLOD		955	955	10	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*03*	*31.9 %*	*15-96*	*12/15/2023 08:45*	*12/18/2023 21:33*							

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-8** **Laboratory Sample ID:** **23L0566-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*03*		*34.6 %*	*19-105*	*12/15/2023 08:45*	*12/18/2023 21:33*						
Surr: 2-Fluorophenol (Surr)	*03*		*65.0 %*	*12-95*	*12/15/2023 08:45*	*12/18/2023 21:33*						
Surr: Nitrobenzene-d5 (Surr)	*03*		*61.8 %*	*21-100*	*12/15/2023 08:45*	*12/18/2023 21:33*						
Surr: Phenol-d5 (Surr)	*03*		*56.2 %*	*13-100*	*12/15/2023 08:45*	*12/18/2023 21:33*						
Surr: p-Terphenyl-d14 (Surr)	*03*		*42.4 %*	*25-125*	*12/15/2023 08:45*	*12/18/2023 21:33*						

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Client Sample ID: **SC-8** **Laboratory Sample ID:** **23L0566-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	03	14808-79-8	SW9056A	12/12/2023 23:55	12/12/2023 23:55	148		2.87	11.5	1	mg/kg dry	ATG

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Client Sample ID: **SC-8** **Laboratory Sample ID:** **23L0566-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	03	7664-41-7	EPA350.1 R2.0	12/22/2023 15:01	12/22/2023 15:01	BLOD		11.3	11.3	1	mg/kg dry	SPH
Chromium, Hexavalent	03	18540-29-9	SW7199	12/15/2023 03:40	12/15/2023 03:40	0.48		0.23	0.23	1	mg/kg dry	AAL
Nitrate as N	03	14797-55-8	SW9056A	12/12/2023 23:55	12/12/2023 23:55	2.37		1.15	2.29	1	mg/kg dry	ATG
Percent Solids	03	NA	SM2540G-2011	12/15/2023 14:56	12/15/2023 14:56	87.2		0.10	0.10	1	%	LAM

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Client Sample ID: **SC-4** **Laboratory Sample ID:** **23L0566-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	04	7440-22-4	SW6020B	12/12/2023 12:15	12/15/2023 12:10	50.4		2.92	2.92	1	ug/kg dry	AB
Arsenic	04	7440-38-2	SW6020B	12/12/2023 12:15	12/15/2023 12:10	2240		58.4	58.4	1	ug/kg dry	AB
Barium	04RE1	7440-39-3	SW6020B	12/12/2023 12:15	12/15/2023 14:19	137000		58400	58400	100	ug/kg dry	AB
Beryllium	04	7440-41-7	SW6020B	12/12/2023 12:15	12/15/2023 12:10	569		58.4	58.4	1	ug/kg dry	AB
Cadmium	04	7440-43-9	SW6020B	12/12/2023 12:15	12/15/2023 12:10	107		58.4	58.4	1	ug/kg dry	AB
Cobalt	04	7440-48-4	SW6020B	12/12/2023 12:15	12/15/2023 12:10	17900		58.4	58.4	1	ug/kg dry	AB
Chromium	04RE1	7440-47-3	SW6020B	12/12/2023 12:15	12/15/2023 14:19	64300		5840	5840	100	ug/kg dry	AB
Copper	04RE1	7440-50-8	SW6020B	12/12/2023 12:15	12/15/2023 14:19	62200		5840	5840	100	ug/kg dry	AB
Mercury	04	7439-97-6	SW7471B	12/14/2023 09:45	12/14/2023 12:05	0.051		0.010	0.010	1	mg/kg dry	AB
Manganese	04RE1	7439-96-5	SW6020B	12/12/2023 12:15	12/15/2023 14:19	587000		5840	5840	100	ug/kg dry	AB
Nickel	04RE1	7440-02-0	SW6020B	12/12/2023 12:15	12/15/2023 14:19	33200		5840	5840	100	ug/kg dry	AB
Lead	04RE1	7439-92-1	SW6020B	12/12/2023 12:15	12/15/2023 14:19	29200		5840	5840	100	ug/kg dry	AB
Antimony	04	7440-36-0	SW6020B	12/12/2023 12:15	12/15/2023 12:10	82.7		58.4	58.4	1	ug/kg dry	AB
Selenium	04	7782-49-2	SW6020B	12/12/2023 12:15	12/15/2023 12:10	1350		58.4	58.4	1	ug/kg dry	AB
Thallium	04	7440-28-0	SW6020B	12/12/2023 12:15	12/15/2023 12:10	80.5		58.4	58.4	1	ug/kg dry	AB
Vanadium	04RE1	7440-62-2	SW6020B	12/12/2023 12:15	12/15/2023 14:19	129000		29200	29200	100	ug/kg dry	AB
Zinc	04RE1	7440-66-6	SW6020B	12/12/2023 12:15	12/15/2023 14:19	80600		29200	29200	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	04	630-20-6	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,1,1-Trichloroethane	04	71-55-6	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	04	79-34-5	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,1,2-Trichloroethane	04	79-00-5	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,1-Dichloroethane	04	75-34-3	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,1-Dichloroethylene	04	75-35-4	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-4** **Laboratory Sample ID:** **23L0566-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	04	563-58-6	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	04	87-61-6	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,2,3-Trichloropropane	04	96-18-4	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	04	120-82-1	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	04	95-63-6	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	04	96-12-8	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	04	106-93-4	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,2-Dichlorobenzene	04	95-50-1	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,2-Dichloroethane	04	107-06-2	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,2-Dichloropropane	04	78-87-5	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	04	108-67-8	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,3-Dichlorobenzene	04	541-73-1	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,3-Dichloropropane	04	142-28-9	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,4-Dichlorobenzene	04	106-46-7	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
2,2-Dichloropropane	04	594-20-7	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
2-Butanone (MEK)	04	78-93-3	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
2-Chlorotoluene	04	95-49-8	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
2-Hexanone (MBK)	04	591-78-6	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD	C	4.80	5.00	1	ug/kg dry	RJB
4-Chlorotoluene	04	106-43-4	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
4-Isopropyltoluene	04	99-87-6	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	04	108-10-1	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD	C	4.80	5.00	1	ug/kg dry	RJB
Acetone	04	67-64-1	SW8260D	12/12/2023 17:21	12/12/2023 17:21	20.9		9.60	10.0	1	ug/kg dry	RJB
Benzene	04	71-43-2	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
Bromobenzene	04	108-86-1	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-4** **Laboratory Sample ID:** **23L0566-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	04	74-97-5	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
Bromodichloromethane	04	75-27-4	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
Bromoform	04	75-25-2	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
Bromomethane	04	74-83-9	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
Carbon disulfide	04	75-15-0	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
Carbon tetrachloride	04	56-23-5	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
Chlorobenzene	04	108-90-7	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
Chloroethane	04	75-00-3	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
Chloroform	04	67-66-3	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
Chloromethane	04	74-87-3	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	04	156-59-2	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	04	10061-01-5	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
Dibromochloromethane	04	124-48-1	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
Dibromomethane	04	74-95-3	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
Dichlorodifluoromethane	04	75-71-8	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	04	108-20-3	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
Ethylbenzene	04	100-41-4	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
Hexachlorobutadiene	04	87-68-3	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
Iodomethane	04	74-88-4	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		9.60	10.0	1	ug/kg dry	RJB
Isopropylbenzene	04	98-82-8	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
m+p-Xylenes	04	179601-23-1	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
Methylene chloride	04	75-09-2	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	04	1634-04-4	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-4** **Laboratory Sample ID:** **23L0566-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	04	91-20-3	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
n-Butylbenzene	04	104-51-8	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
n-Propylbenzene	04	103-65-1	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
o-Xylene	04	95-47-6	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
sec-Butylbenzene	04	135-98-8	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
Styrene	04	100-42-5	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
tert-Butylbenzene	04	98-06-6	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	04	127-18-4	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD	C	4.80	5.00	1	ug/kg dry	RJB
Toluene	04	108-88-3	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	04	156-60-5	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	04	10061-02-6	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
Trichloroethylene	04	79-01-6	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
Trichlorofluoromethane	04	75-69-4	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
Vinyl acetate	04	108-05-4	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	10.0	1	ug/kg dry	RJB
Vinyl chloride	04	75-01-4	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		4.80	5.00	1	ug/kg dry	RJB
Xylenes, Total	04	1330-20-7	SW8260D	12/12/2023 17:21	12/12/2023 17:21	BLOD		14.4	15.0	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*04*	*129 %*	*80-120*	*12/12/2023 17:21*	*12/12/2023 17:21*							*S*
Surr: 4-Bromofluorobenzene (Surr)	*04*	*96.7 %*	*85-120*	*12/12/2023 17:21*	*12/12/2023 17:21*							
Surr: Dibromofluoromethane (Surr)	*04*	*112 %*	*80-130*	*12/12/2023 17:21*	*12/12/2023 17:21*							
Surr: Toluene-d8 (Surr)	*04*	*102 %*	*85-115*	*12/12/2023 17:21*	*12/12/2023 17:21*							

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Client Sample ID: **SC-4** **Laboratory Sample ID:** **23L0566-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	04	123-91-1	SW8270E SIM	12/15/2023 08:45	12/18/2023 16:48	BLOD		4.07	4.07	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*04*	*81.4 %*	*35-100*	*12/15/2023 08:45*	*12/18/2023 16:48*							
1,2,4,5-Tetrachlorobenzene	04	95-94-3	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
1,2,4-Trichlorobenzene	04	120-82-1	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
1,2-Dichlorobenzene	04	95-50-1	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
1,2-Diphenylhydrazine	04	122-66-7	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
1,3-Dichlorobenzene	04	541-73-1	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
1,3-Dinitrobenzene	04	99-65-0	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
1,4-Dichlorobenzene	04	106-46-7	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
1-Chloronaphthalene	04	90-13-1	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
1-Naphthylamine	04	134-32-7	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	04	58-90-2	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
2,4,5-Trichlorophenol	04	95-95-4	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
2,4,6-Trichlorophenol	04	88-06-2	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
2,4-Dichlorophenol	04	120-83-2	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
2,4-Dimethylphenol	04	105-67-9	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
2,4-Dinitrophenol	04	51-28-5	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
2,4-Dinitrotoluene	04	121-14-2	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
2,6-Dichlorophenol	04	87-65-0	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
2,6-Dinitrotoluene	04	606-20-2	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
2-Chloronaphthalene	04	91-58-7	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
2-Chlorophenol	04	95-57-8	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
2-Methylnaphthalene	04	91-57-6	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS

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Client Sample ID: SC-4 **Laboratory Sample ID:** 23L0566-04

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	04	91-59-8	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
2-Nitroaniline	04	88-74-4	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
2-Nitrophenol	04	88-75-5	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
3,3'-Dichlorobenzidine	04	91-94-1	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
3-Methylcholanthrene	04	56-49-5	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
3-Nitroaniline	04	99-09-2	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	04	534-52-1	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
4-Aminobiphenyl	04	92-67-1	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
4-Bromophenyl phenyl ether	04	101-55-3	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
4-Chloroaniline	04	106-47-8	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	04	7005-72-3	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
4-Nitroaniline	04	100-01-6	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
4-Nitrophenol	04	100-02-7	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	04	57-97-6	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Acenaphthene	04	83-32-9	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Acenaphthylene	04	208-96-8	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Acetophenone	04	98-86-2	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Aniline	04	62-53-3	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Anthracene	04	120-12-7	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Benzidine	04	92-87-5	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Benzo (a) anthracene	04	56-55-3	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Benzo (a) pyrene	04	50-32-8	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Benzo (b) fluoranthene	04	205-99-2	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Benzo (g,h,i) perylene	04	191-24-2	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS

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Client Sample ID: SC-4 **Laboratory Sample ID:** 23L0566-04

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	04	207-08-9	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Benzoic acid	04	65-85-0	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Benzyl alcohol	04	100-51-6	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	04	111-91-1	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
bis (2-Chloroethyl) ether	04	111-44-4	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	04	108-60-1	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	04	117-81-7	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Butyl benzyl phthalate	04	85-68-7	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Chrysene	04	218-01-9	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Dibenz (a,h) anthracene	04	53-70-3	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Dibenz (a,j) acridine	04	224-42-0	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Dibenzofuran	04	132-64-9	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Diethyl phthalate	04	84-66-2	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Dimethyl phthalate	04	131-11-3	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Di-n-butyl phthalate	04	84-74-2	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Di-n-octyl phthalate	04	117-84-0	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Diphenylamine	04	122-39-4	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Ethyl methanesulfonate	04	62-50-0	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Fluoranthene	04	206-44-0	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Fluorene	04	86-73-7	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Hexachlorobenzene	04	118-74-1	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Hexachlorobutadiene	04	87-68-3	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Hexachlorocyclopentadiene	04	77-47-4	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Hexachloroethane	04	67-72-1	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS

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Client Sample ID: **SC-4** **Laboratory Sample ID:** **23L0566-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	04	193-39-5	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Isophorone	04	78-59-1	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
m+p-Cresols	04	1319-77-3	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Methyl methanesulfonate	04	66-27-3	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Naphthalene	04	91-20-3	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Nitrobenzene	04	98-95-3	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
n-Nitrosodimethylamine	04	62-75-9	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	04	924-16-3	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	04	621-64-7	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
n-Nitrosodiphenylamine	04	86-30-6	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
n-Nitrosopiperidine	04	100-75-4	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
o+m+p-Cresols	04	1319-77-3	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
o-Cresol	04	95-48-7	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	04	60-11-7	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
p-Chloro-m-cresol	04	59-50-7	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	04	82-68-8	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Pentachlorophenol	04	87-86-5	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD	C	1020	1020	10	ug/kg dry	BMS
Phenacetin	04	62-44-2	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Phenanthrene	04	85-01-8	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Phenol	04	108-95-2	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Pronamide	04	23950-58-5	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Pyrene	04	129-00-0	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Pyridine	04	110-86-1	SW8270E	12/15/2023 08:45	12/18/2023 22:10	BLOD		1020	1020	10	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*04*	*26.1 %*	*15-96*	*12/15/2023 08:45*	*12/18/2023 22:10*							

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Client Sample ID: **SC-4** **Laboratory Sample ID:** **23L0566-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*04*		*15.4 %*	*19-105*	*12/15/2023 08:45*	*12/18/2023 22:10*						*DS*
Surr: 2-Fluorophenol (Surr)	*04*		*63.2 %*	*12-95*	*12/15/2023 08:45*	*12/18/2023 22:10*						
Surr: Nitrobenzene-d5 (Surr)	*04*		*58.4 %*	*21-100*	*12/15/2023 08:45*	*12/18/2023 22:10*						
Surr: Phenol-d5 (Surr)	*04*		*55.7 %*	*13-100*	*12/15/2023 08:45*	*12/18/2023 22:10*						
Surr: p-Terphenyl-d14 (Surr)	*04*		*21.0 %*	*25-125*	*12/15/2023 08:45*	*12/18/2023 22:10*						*DS*

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	04	14808-79-8	SW9056A	12/13/2023 00:20	12/13/2023 00:20	322		3.08	12.3	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	04	7664-41-7	EPA350.1 R2.0	12/22/2023 15:01	12/22/2023 15:01	BLOD		12.1	12.1	1	mg/kg dry	SPH
Chromium, Hexavalent	04	18540-29-9	SW7199	12/15/2023 04:07	12/15/2023 04:07	0.56		0.25	0.25	1	mg/kg dry	AAL
Nitrate as N	04	14797-55-8	SW9056A	12/13/2023 00:20	12/13/2023 00:20	BLOD		1.23	2.46	1	mg/kg dry	ATG
Percent Solids	04	NA	SM2540G-2011	12/15/2023 14:56	12/15/2023 14:56	81.2		0.10	0.10	1	%	LAM

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Client Sample ID: **SC-9** **Laboratory Sample ID:** **23L0566-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	05	7440-22-4	SW6020B	12/12/2023 12:15	12/15/2023 12:13	20.4		2.86	2.86	1	ug/kg dry	AB
Arsenic	05	7440-38-2	SW6020B	12/12/2023 12:15	12/15/2023 12:13	2430		57.2	57.2	1	ug/kg dry	AB
Barium	05RE1	7440-39-3	SW6020B	12/12/2023 12:15	12/15/2023 14:22	92000		57200	57200	100	ug/kg dry	AB
Beryllium	05	7440-41-7	SW6020B	12/12/2023 12:15	12/15/2023 12:13	586		57.2	57.2	1	ug/kg dry	AB
Cadmium	05	7440-43-9	SW6020B	12/12/2023 12:15	12/15/2023 12:13	BLOD		57.2	57.2	1	ug/kg dry	AB
Cobalt	05	7440-48-4	SW6020B	12/12/2023 12:15	12/15/2023 12:13	13100		57.2	57.2	1	ug/kg dry	AB
Chromium	05RE1	7440-47-3	SW6020B	12/12/2023 12:15	12/15/2023 14:22	37300		5720	5720	100	ug/kg dry	AB
Copper	05RE1	7440-50-8	SW6020B	12/12/2023 12:15	12/15/2023 14:22	59300		5720	5720	100	ug/kg dry	AB
Mercury	05	7439-97-6	SW7471B	12/14/2023 09:45	12/14/2023 12:07	0.049		0.009	0.009	1	mg/kg dry	AB
Manganese	05RE1	7439-96-5	SW6020B	12/12/2023 12:15	12/15/2023 14:22	342000		5720	5720	100	ug/kg dry	AB
Nickel	05	7440-02-0	SW6020B	12/12/2023 12:15	12/15/2023 12:13	12300		57.2	57.2	1	ug/kg dry	AB
Lead	05	7439-92-1	SW6020B	12/12/2023 12:15	12/15/2023 12:13	12500		57.2	57.2	1	ug/kg dry	AB
Antimony	05	7440-36-0	SW6020B	12/12/2023 12:15	12/15/2023 12:13	BLOD		57.2	57.2	1	ug/kg dry	AB
Selenium	05	7782-49-2	SW6020B	12/12/2023 12:15	12/15/2023 12:13	1570		57.2	57.2	1	ug/kg dry	AB
Thallium	05	7440-28-0	SW6020B	12/12/2023 12:15	12/15/2023 12:13	116		57.2	57.2	1	ug/kg dry	AB
Vanadium	05RE1	7440-62-2	SW6020B	12/12/2023 12:15	12/15/2023 14:22	97000		28600	28600	100	ug/kg dry	AB
Zinc	05RE1	7440-66-6	SW6020B	12/12/2023 12:15	12/15/2023 14:22	38600		28600	28600	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	05	630-20-6	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
1,1,1-Trichloroethane	05	71-55-6	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	05	79-34-5	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
1,1,2-Trichloroethane	05	79-00-5	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
1,1-Dichloroethane	05	75-34-3	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
1,1-Dichloroethylene	05	75-35-4	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB

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Client Sample ID: **SC-9** **Laboratory Sample ID:** **23L0566-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	05	563-58-6	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	05	87-61-6	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
1,2,3-Trichloropropane	05	96-18-4	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	05	120-82-1	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	05	95-63-6	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	05	96-12-8	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	05	106-93-4	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
1,2-Dichlorobenzene	05	95-50-1	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
1,2-Dichloroethane	05	107-06-2	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
1,2-Dichloropropane	05	78-87-5	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	05	108-67-8	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
1,3-Dichlorobenzene	05	541-73-1	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
1,3-Dichloropropane	05	142-28-9	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
1,4-Dichlorobenzene	05	106-46-7	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
2,2-Dichloropropane	05	594-20-7	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
2-Butanone (MEK)	05	78-93-3	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
2-Chlorotoluene	05	95-49-8	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
2-Hexanone (MBK)	05	591-78-6	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD	C	5.18	5.18	1	ug/kg dry	RJB
4-Chlorotoluene	05	106-43-4	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
4-Isopropyltoluene	05	99-87-6	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	05	108-10-1	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD	C	5.18	5.18	1	ug/kg dry	RJB
Acetone	05	67-64-1	SW8260D	12/12/2023 17:44	12/12/2023 17:44	25.4		10.4	10.4	1	ug/kg dry	RJB
Benzene	05	71-43-2	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
Bromobenzene	05	108-86-1	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-9** **Laboratory Sample ID:** **23L0566-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	05	74-97-5	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
Bromodichloromethane	05	75-27-4	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
Bromoform	05	75-25-2	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
Bromomethane	05	74-83-9	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
Carbon disulfide	05	75-15-0	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
Carbon tetrachloride	05	56-23-5	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
Chlorobenzene	05	108-90-7	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
Chloroethane	05	75-00-3	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
Chloroform	05	67-66-3	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
Chloromethane	05	74-87-3	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	05	156-59-2	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	05	10061-01-5	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
Dibromochloromethane	05	124-48-1	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
Dibromomethane	05	74-95-3	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
Dichlorodifluoromethane	05	75-71-8	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	05	108-20-3	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
Ethylbenzene	05	100-41-4	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
Hexachlorobutadiene	05	87-68-3	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
Iodomethane	05	74-88-4	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		10.4	10.4	1	ug/kg dry	RJB
Isopropylbenzene	05	98-82-8	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
m+p-Xylenes	05	179601-23-1	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
Methylene chloride	05	75-09-2	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	05	1634-04-4	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-9** **Laboratory Sample ID:** **23L0566-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	05	91-20-3	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
n-Butylbenzene	05	104-51-8	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
n-Propylbenzene	05	103-65-1	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
o-Xylene	05	95-47-6	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
sec-Butylbenzene	05	135-98-8	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
Styrene	05	100-42-5	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
tert-Butylbenzene	05	98-06-6	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	05	127-18-4	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD	C	5.18	5.18	1	ug/kg dry	RJB
Toluene	05	108-88-3	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	05	156-60-5	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	05	10061-02-6	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
Trichloroethylene	05	79-01-6	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
Trichlorofluoromethane	05	75-69-4	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
Vinyl acetate	05	108-05-4	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	10.4	1	ug/kg dry	RJB
Vinyl chloride	05	75-01-4	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		5.18	5.18	1	ug/kg dry	RJB
Xylenes, Total	05	1330-20-7	SW8260D	12/12/2023 17:44	12/12/2023 17:44	BLOD		15.5	15.5	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*05*	*123 %*	*80-120*	*12/12/2023 17:44*	*12/12/2023 17:44*							*S*
Surr: 4-Bromofluorobenzene (Surr)	*05*	*95.4 %*	*85-120*	*12/12/2023 17:44*	*12/12/2023 17:44*							
Surr: Dibromofluoromethane (Surr)	*05*	*112 %*	*80-130*	*12/12/2023 17:44*	*12/12/2023 17:44*							
Surr: Toluene-d8 (Surr)	*05*	*101 %*	*85-115*	*12/12/2023 17:44*	*12/12/2023 17:44*							

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Client Site I.D.: Southside Park Landfill
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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-9** **Laboratory Sample ID:** **23L0566-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	05	123-91-1	SW8270E SIM	12/15/2023 08:45	12/18/2023 17:14	BLOD		3.99	3.99	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*05*	*72.4 %*	*35-100*	*12/15/2023 08:45*	*12/18/2023 17:14*							
1,2,4,5-Tetrachlorobenzene	05	95-94-3	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
1,2,4-Trichlorobenzene	05	120-82-1	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
1,2-Dichlorobenzene	05	95-50-1	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
1,2-Diphenylhydrazine	05	122-66-7	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
1,3-Dichlorobenzene	05	541-73-1	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
1,3-Dinitrobenzene	05	99-65-0	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
1,4-Dichlorobenzene	05	106-46-7	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
1-Chloronaphthalene	05	90-13-1	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
1-Naphthylamine	05	134-32-7	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	05	58-90-2	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
2,4,5-Trichlorophenol	05	95-95-4	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
2,4,6-Trichlorophenol	05	88-06-2	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
2,4-Dichlorophenol	05	120-83-2	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
2,4-Dimethylphenol	05	105-67-9	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
2,4-Dinitrophenol	05	51-28-5	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
2,4-Dinitrotoluene	05	121-14-2	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
2,6-Dichlorophenol	05	87-65-0	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
2,6-Dinitrotoluene	05	606-20-2	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
2-Chloronaphthalene	05	91-58-7	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
2-Chlorophenol	05	95-57-8	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
2-Methylnaphthalene	05	91-57-6	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-9 **Laboratory Sample ID:** 23L0566-05

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	05	91-59-8	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
2-Nitroaniline	05	88-74-4	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
2-Nitrophenol	05	88-75-5	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
3,3'-Dichlorobenzidine	05	91-94-1	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
3-Methylcholanthrene	05	56-49-5	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
3-Nitroaniline	05	99-09-2	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	05	534-52-1	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
4-Aminobiphenyl	05	92-67-1	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
4-Bromophenyl phenyl ether	05	101-55-3	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
4-Chloroaniline	05	106-47-8	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	05	7005-72-3	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
4-Nitroaniline	05	100-01-6	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
4-Nitrophenol	05	100-02-7	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	05	57-97-6	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Acenaphthene	05	83-32-9	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Acenaphthylene	05	208-96-8	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Acetophenone	05	98-86-2	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Aniline	05	62-53-3	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Anthracene	05	120-12-7	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Benzidine	05	92-87-5	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Benzo (a) anthracene	05	56-55-3	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Benzo (a) pyrene	05	50-32-8	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Benzo (b) fluoranthene	05	205-99-2	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Benzo (g,h,i) perylene	05	191-24-2	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD	C	99.9	99.9	1	ug/kg dry	BMS

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Client Sample ID: SC-9 **Laboratory Sample ID:** 23L0566-05

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	05	207-08-9	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Benzoic acid	05	65-85-0	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Benzyl alcohol	05	100-51-6	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	05	111-91-1	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
bis (2-Chloroethyl) ether	05	111-44-4	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	05	108-60-1	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	05	117-81-7	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Butyl benzyl phthalate	05	85-68-7	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Chrysene	05	218-01-9	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Dibenz (a,h) anthracene	05	53-70-3	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD	C	99.9	99.9	1	ug/kg dry	BMS
Dibenz (a,j) acridine	05	224-42-0	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD	C	99.9	99.9	1	ug/kg dry	BMS
Dibenzofuran	05	132-64-9	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Diethyl phthalate	05	84-66-2	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Dimethyl phthalate	05	131-11-3	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Di-n-butyl phthalate	05	84-74-2	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Di-n-octyl phthalate	05	117-84-0	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Diphenylamine	05	122-39-4	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Ethyl methanesulfonate	05	62-50-0	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Fluoranthene	05	206-44-0	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Fluorene	05	86-73-7	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Hexachlorobenzene	05	118-74-1	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Hexachlorobutadiene	05	87-68-3	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Hexachlorocyclopentadiene	05	77-47-4	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Hexachloroethane	05	67-72-1	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-9** **Laboratory Sample ID:** **23L0566-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	05	193-39-5	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Isophorone	05	78-59-1	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
m+p-Cresols	05	1319-77-3	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Methyl methanesulfonate	05	66-27-3	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Naphthalene	05	91-20-3	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Nitrobenzene	05	98-95-3	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
n-Nitrosodimethylamine	05	62-75-9	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	05	924-16-3	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	05	621-64-7	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
n-Nitrosodiphenylamine	05	86-30-6	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
n-Nitrosopiperidine	05	100-75-4	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
o+m+p-Cresols	05	1319-77-3	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
o-Cresol	05	95-48-7	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	05	60-11-7	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
p-Chloro-m-cresol	05	59-50-7	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	05	82-68-8	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Pentachlorophenol	05	87-86-5	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Phenacetin	05	62-44-2	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Phenanthrene	05	85-01-8	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Phenol	05	108-95-2	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Pronamide	05	23950-58-5	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Pyrene	05	129-00-0	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Pyridine	05	110-86-1	SW8270E	12/15/2023 08:45	12/26/2023 22:16	BLOD		99.9	99.9	1	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*05*	*41.2 %*	*15-96*	*12/15/2023 08:45*	*12/26/2023 22:16*							

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Client Sample ID: **SC-9** **Laboratory Sample ID:** **23L0566-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*05*		*38.2 %*	*19-105*	*12/15/2023 08:45*	*12/26/2023 22:16*						
Surr: 2-Fluorophenol (Surr)	*05*		*49.4 %*	*12-95*	*12/15/2023 08:45*	*12/26/2023 22:16*						
Surr: Nitrobenzene-d5 (Surr)	*05*		*51.3 %*	*21-100*	*12/15/2023 08:45*	*12/26/2023 22:16*						
Surr: Phenol-d5 (Surr)	*05*		*43.7 %*	*13-100*	*12/15/2023 08:45*	*12/26/2023 22:16*						
Surr: p-Terphenyl-d14 (Surr)	*05*		*51.9 %*	*25-125*	*12/15/2023 08:45*	*12/26/2023 22:16*						

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Client Sample ID: **SC-9** **Laboratory Sample ID:** **23L0566-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	05	14808-79-8	SW9056A	12/13/2023 00:44	12/13/2023 00:44	11.9	J	3.01	12.0	1	mg/kg dry	ATG

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Client Sample ID: **SC-9** **Laboratory Sample ID:** **23L0566-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	05	7664-41-7	EPA350.1 R2.0	12/22/2023 15:01	12/22/2023 15:01	BLOD		11.5	11.5	1	mg/kg dry	SPH
Chromium, Hexavalent	05	18540-29-9	SW7199	12/15/2023 04:34	12/15/2023 04:34	0.66		0.24	0.24	1	mg/kg dry	AAL
Nitrate as N	05	14797-55-8	SW9056A	12/13/2023 00:44	12/13/2023 00:44	BLOD		1.20	2.41	1	mg/kg dry	ATG
Percent Solids	05	NA	SM2540G-2011	12/15/2023 14:56	12/15/2023 14:56	83.1		0.10	0.10	1	%	LAM

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Client Sample ID: **DUP-1** **Laboratory Sample ID:** **23L0566-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	06	7440-22-4	SW6020B	12/12/2023 12:15	12/15/2023 12:16	178		2.71	2.71	1	ug/kg dry	AB
Arsenic	06	7440-38-2	SW6020B	12/12/2023 12:15	12/15/2023 12:16	2830		54.2	54.2	1	ug/kg dry	AB
Barium	06RE1	7440-39-3	SW6020B	12/12/2023 12:15	12/15/2023 14:25	241000		54200	54200	100	ug/kg dry	AB
Beryllium	06	7440-41-7	SW6020B	12/12/2023 12:15	12/15/2023 12:16	685		54.2	54.2	1	ug/kg dry	AB
Cadmium	06	7440-43-9	SW6020B	12/12/2023 12:15	12/15/2023 12:16	352		54.2	54.2	1	ug/kg dry	AB
Cobalt	06RE1	7440-48-4	SW6020B	12/12/2023 12:15	12/15/2023 14:25	31900		5420	5420	100	ug/kg dry	AB
Chromium	06RE1	7440-47-3	SW6020B	12/12/2023 12:15	12/15/2023 14:25	65900		5420	5420	100	ug/kg dry	AB
Copper	06RE1	7440-50-8	SW6020B	12/12/2023 12:15	12/15/2023 14:25	91700		5420	5420	100	ug/kg dry	AB
Mercury	06	7439-97-6	SW7471B	12/14/2023 09:45	12/14/2023 12:10	0.050		0.009	0.009	1	mg/kg dry	AB
Manganese	06RE1	7439-96-5	SW6020B	12/12/2023 12:15	12/15/2023 14:25	837000		5420	5420	100	ug/kg dry	AB
Nickel	06RE1	7440-02-0	SW6020B	12/12/2023 12:15	12/15/2023 14:25	46200		5420	5420	100	ug/kg dry	AB
Lead	06RE1	7439-92-1	SW6020B	12/12/2023 12:15	12/15/2023 14:25	128000		5420	5420	100	ug/kg dry	AB
Antimony	06	7440-36-0	SW6020B	12/12/2023 12:15	12/15/2023 12:16	460		54.2	54.2	1	ug/kg dry	AB
Selenium	06	7782-49-2	SW6020B	12/12/2023 12:15	12/15/2023 12:16	1730		54.2	54.2	1	ug/kg dry	AB
Thallium	06	7440-28-0	SW6020B	12/12/2023 12:15	12/15/2023 12:16	69.6		54.2	54.2	1	ug/kg dry	AB
Vanadium	06RE1	7440-62-2	SW6020B	12/12/2023 12:15	12/15/2023 14:25	138000		27100	27100	100	ug/kg dry	AB
Zinc	06RE1	7440-66-6	SW6020B	12/12/2023 12:15	12/15/2023 14:25	234000		27100	27100	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	06	630-20-6	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
1,1,1-Trichloroethane	06	71-55-6	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	06	79-34-5	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
1,1,2-Trichloroethane	06	79-00-5	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
1,1-Dichloroethane	06	75-34-3	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
1,1-Dichloroethylene	06	75-35-4	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB

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Client Sample ID: **DUP-1** **Laboratory Sample ID:** **23L0566-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	06	563-58-6	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	06	87-61-6	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
1,2,3-Trichloropropane	06	96-18-4	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	06	120-82-1	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	06	95-63-6	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	06	96-12-8	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	06	106-93-4	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
1,2-Dichlorobenzene	06	95-50-1	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
1,2-Dichloroethane	06	107-06-2	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
1,2-Dichloropropane	06	78-87-5	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	06	108-67-8	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
1,3-Dichlorobenzene	06	541-73-1	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
1,3-Dichloropropane	06	142-28-9	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
1,4-Dichlorobenzene	06	106-46-7	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
2,2-Dichloropropane	06	594-20-7	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
2-Butanone (MEK)	06	78-93-3	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
2-Chlorotoluene	06	95-49-8	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
2-Hexanone (MBK)	06	591-78-6	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD	C	4.73	5.00	1	ug/kg dry	RJB
4-Chlorotoluene	06	106-43-4	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
4-Isopropyltoluene	06	99-87-6	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	06	108-10-1	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD	C	4.73	5.00	1	ug/kg dry	RJB
Acetone	06	67-64-1	SW8260D	12/12/2023 18:07	12/12/2023 18:07	23.8		9.46	10.0	1	ug/kg dry	RJB
Benzene	06	71-43-2	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
Bromobenzene	06	108-86-1	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB

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Client Sample ID: DUP-1 **Laboratory Sample ID:** 23L0566-06

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	06	74-97-5	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
Bromodichloromethane	06	75-27-4	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
Bromoform	06	75-25-2	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
Bromomethane	06	74-83-9	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
Carbon disulfide	06	75-15-0	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
Carbon tetrachloride	06	56-23-5	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
Chlorobenzene	06	108-90-7	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
Chloroethane	06	75-00-3	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
Chloroform	06	67-66-3	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
Chloromethane	06	74-87-3	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	06	156-59-2	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	06	10061-01-5	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
Dibromochloromethane	06	124-48-1	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
Dibromomethane	06	74-95-3	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
Dichlorodifluoromethane	06	75-71-8	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	06	108-20-3	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
Ethylbenzene	06	100-41-4	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
Hexachlorobutadiene	06	87-68-3	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
Iodomethane	06	74-88-4	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		9.46	10.0	1	ug/kg dry	RJB
Isopropylbenzene	06	98-82-8	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
m+p-Xylenes	06	179601-23-1	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
Methylene chloride	06	75-09-2	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	06	1634-04-4	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **DUP-1** **Laboratory Sample ID:** **23L0566-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	06	91-20-3	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
n-Butylbenzene	06	104-51-8	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
n-Propylbenzene	06	103-65-1	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
o-Xylene	06	95-47-6	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
sec-Butylbenzene	06	135-98-8	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
Styrene	06	100-42-5	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
tert-Butylbenzene	06	98-06-6	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	06	127-18-4	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD	C	4.73	5.00	1	ug/kg dry	RJB
Toluene	06	108-88-3	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	06	156-60-5	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	06	10061-02-6	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
Trichloroethylene	06	79-01-6	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
Trichlorofluoromethane	06	75-69-4	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
Vinyl acetate	06	108-05-4	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	10.0	1	ug/kg dry	RJB
Vinyl chloride	06	75-01-4	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		4.73	5.00	1	ug/kg dry	RJB
Xylenes, Total	06	1330-20-7	SW8260D	12/12/2023 18:07	12/12/2023 18:07	BLOD		14.2	15.0	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*06*		*129 %*	*80-120*	*12/12/2023 18:07*	*12/12/2023 18:07*						*S*
Surr: 4-Bromofluorobenzene (Surr)	*06*		*97.1 %*	*85-120*	*12/12/2023 18:07*	*12/12/2023 18:07*						
Surr: Dibromofluoromethane (Surr)	*06*		*112 %*	*80-130*	*12/12/2023 18:07*	*12/12/2023 18:07*						
Surr: Toluene-d8 (Surr)	*06*		*102 %*	*85-115*	*12/12/2023 18:07*	*12/12/2023 18:07*						

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **DUP-1** **Laboratory Sample ID:** **23L0566-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	06	123-91-1	SW8270E SIM	12/15/2023 08:45	12/18/2023 17:40	BLOD		3.68	3.68	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*06*	*85.0 %*	*35-100*	*12/15/2023 08:45*	*12/18/2023 17:40*							
1,2,4,5-Tetrachlorobenzene	06	95-94-3	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
1,2,4-Trichlorobenzene	06	120-82-1	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
1,2-Dichlorobenzene	06	95-50-1	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
1,2-Diphenylhydrazine	06	122-66-7	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
1,3-Dichlorobenzene	06	541-73-1	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
1,3-Dinitrobenzene	06	99-65-0	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
1,4-Dichlorobenzene	06	106-46-7	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
1-Chloronaphthalene	06	90-13-1	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
1-Naphthylamine	06	134-32-7	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	06	58-90-2	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
2,4,5-Trichlorophenol	06	95-95-4	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
2,4,6-Trichlorophenol	06	88-06-2	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
2,4-Dichlorophenol	06	120-83-2	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
2,4-Dimethylphenol	06	105-67-9	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
2,4-Dinitrophenol	06	51-28-5	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
2,4-Dinitrotoluene	06	121-14-2	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
2,6-Dichlorophenol	06	87-65-0	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
2,6-Dinitrotoluene	06	606-20-2	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
2-Chloronaphthalene	06	91-58-7	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
2-Chlorophenol	06	95-57-8	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
2-Methylnaphthalene	06	91-57-6	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS

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Client Sample ID: DUP-1 **Laboratory Sample ID:** 23L0566-06

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	06	91-59-8	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
2-Nitroaniline	06	88-74-4	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
2-Nitrophenol	06	88-75-5	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
3,3'-Dichlorobenzidine	06	91-94-1	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
3-Methylcholanthrene	06	56-49-5	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
3-Nitroaniline	06	99-09-2	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	06	534-52-1	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
4-Aminobiphenyl	06	92-67-1	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
4-Bromophenyl phenyl ether	06	101-55-3	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
4-Chloroaniline	06	106-47-8	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	06	7005-72-3	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
4-Nitroaniline	06	100-01-6	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
4-Nitrophenol	06	100-02-7	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	06	57-97-6	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Acenaphthene	06	83-32-9	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Acenaphthylene	06	208-96-8	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Acetophenone	06	98-86-2	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Aniline	06	62-53-3	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Anthracene	06	120-12-7	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Benzidine	06	92-87-5	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Benzo (a) anthracene	06	56-55-3	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Benzo (a) pyrene	06	50-32-8	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Benzo (b) fluoranthene	06	205-99-2	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Benzo (g,h,i) perylene	06	191-24-2	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD	C	368	368	4	ug/kg dry	BMS

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Client Sample ID: DUP-1 **Laboratory Sample ID:** 23L0566-06

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	06	207-08-9	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Benzoic acid	06	65-85-0	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Benzyl alcohol	06	100-51-6	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	06	111-91-1	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
bis (2-Chloroethyl) ether	06	111-44-4	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	06	108-60-1	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	06	117-81-7	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Butyl benzyl phthalate	06	85-68-7	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Chrysene	06	218-01-9	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Dibenz (a,h) anthracene	06	53-70-3	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD	C	368	368	4	ug/kg dry	BMS
Dibenz (a,j) acridine	06	224-42-0	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD	C	368	368	4	ug/kg dry	BMS
Dibenzofuran	06	132-64-9	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Diethyl phthalate	06	84-66-2	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Dimethyl phthalate	06	131-11-3	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Di-n-butyl phthalate	06	84-74-2	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Di-n-octyl phthalate	06	117-84-0	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Diphenylamine	06	122-39-4	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Ethyl methanesulfonate	06	62-50-0	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Fluoranthene	06	206-44-0	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Fluorene	06	86-73-7	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Hexachlorobenzene	06	118-74-1	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Hexachlorobutadiene	06	87-68-3	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Hexachlorocyclopentadiene	06	77-47-4	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Hexachloroethane	06	67-72-1	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	06	193-39-5	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Isophorone	06	78-59-1	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
m+p-Cresols	06	1319-77-3	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Methyl methanesulfonate	06	66-27-3	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Naphthalene	06	91-20-3	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Nitrobenzene	06	98-95-3	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
n-Nitrosodimethylamine	06	62-75-9	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	06	924-16-3	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	06	621-64-7	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
n-Nitrosodiphenylamine	06	86-30-6	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
n-Nitrosopiperidine	06	100-75-4	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
o+m+p-Cresols	06	1319-77-3	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
o-Cresol	06	95-48-7	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	06	60-11-7	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
p-Chloro-m-cresol	06	59-50-7	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	06	82-68-8	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Pentachlorophenol	06	87-86-5	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Phenacetin	06	62-44-2	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Phenanthrene	06	85-01-8	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Phenol	06	108-95-2	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Pronamide	06	23950-58-5	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Pyrene	06	129-00-0	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Pyridine	06	110-86-1	SW8270E	12/15/2023 08:45	12/26/2023 22:53	BLOD		368	368	4	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*06*		*46.2 %*	*15-96*	*12/15/2023 08:45*	*12/26/2023 22:53*						

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Client Sample ID: **DUP-1** **Laboratory Sample ID:** **23L0566-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*06*		*42.0 %*	*19-105*	*12/15/2023 08:45*	*12/26/2023 22:53*						
Surr: 2-Fluorophenol (Surr)	*06*		*51.2 %*	*12-95*	*12/15/2023 08:45*	*12/26/2023 22:53*						
Surr: Nitrobenzene-d5 (Surr)	*06*		*58.7 %*	*21-100*	*12/15/2023 08:45*	*12/26/2023 22:53*						
Surr: Phenol-d5 (Surr)	*06*		*50.6 %*	*13-100*	*12/15/2023 08:45*	*12/26/2023 22:53*						
Surr: p-Terphenyl-d14 (Surr)	*06*		*52.4 %*	*25-125*	*12/15/2023 08:45*	*12/26/2023 22:53*						

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Client Sample ID: **DUP-1** **Laboratory Sample ID:** **23L0566-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	06	14808-79-8	SW9056A	12/12/2023 22:43	12/12/2023 22:43	165		2.82	11.3	1	mg/kg dry	ATG

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Client Sample ID: **DUP-1** **Laboratory Sample ID:** **23L0566-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	06	7664-41-7	EPA350.1 R2.0	12/22/2023 15:01	12/22/2023 15:01	BLOD		11.2	11.2	1	mg/kg dry	SPH
Chromium, Hexavalent	06	18540-29-9	SW7199	12/15/2023 05:00	12/15/2023 05:00	0.45		0.23	0.23	1	mg/kg dry	AAL
Nitrate as N	06	14797-55-8	SW9056A	12/12/2023 22:43	12/12/2023 22:43	2.88		1.13	2.25	1	mg/kg dry	ATG
Percent Solids	06	NA	SM2540G-2011	12/15/2023 14:56	12/15/2023 14:56	88.7		0.10	0.10	1	%	LAM

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Client Sample ID: **Trip Blank** **Laboratory Sample ID:** **23L0566-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	07	630-20-6	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.40	0.40	1	ug/L	RJB
1,1,1-Trichloroethane	07	71-55-6	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.60	1.00	1	ug/L	RJB
1,1,2,2-Tetrachloroethane	07	79-34-5	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.30	0.40	1	ug/L	RJB
1,1,2-Trichloroethane	07	79-00-5	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.50	1.00	1	ug/L	RJB
1,1-Dichloroethane	07	75-34-3	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.60	1.00	1	ug/L	RJB
1,1-Dichloroethylene	07	75-35-4	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.70	1.00	1	ug/L	RJB
1,1-Dichloropropene	07	563-58-6	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.60	1.00	1	ug/L	RJB
1,2,3-Trichlorobenzene	07	87-61-6	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.70	1.00	1	ug/L	RJB
1,2,3-Trichloropropane	07	96-18-4	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.40	1.00	1	ug/L	RJB
1,2,4-Trichlorobenzene	07	120-82-1	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.50	1.00	1	ug/L	RJB
1,2,4-Trimethylbenzene	07RE1	95-63-6	SW8260D	12/13/2023 16:20	12/13/2023 16:20	BLOD		0.40	1.00	1	ug/L	RJB
1,2-Dibromo-3-chloropropane (DBCP)	07	96-12-8	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.60	1.00	1	ug/L	RJB
1,2-Dibromoethane (EDB)	07	106-93-4	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.40	1.00	1	ug/L	RJB
1,2-Dichlorobenzene	07	95-50-1	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.40	0.50	1	ug/L	RJB
1,2-Dichloroethane	07	107-06-2	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.70	1.00	1	ug/L	RJB
1,2-Dichloropropane	07	78-87-5	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.40	0.50	1	ug/L	RJB
1,3,5-Trimethylbenzene	07	108-67-8	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.90	1.00	1	ug/L	RJB
1,3-Dichlorobenzene	07	541-73-1	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.30	1.00	1	ug/L	RJB
1,3-Dichloropropane	07	142-28-9	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		1.00	1.00	1	ug/L	RJB
1,4-Dichlorobenzene	07	106-46-7	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.40	1.00	1	ug/L	RJB
2,2-Dichloropropane	07	594-20-7	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.60	1.00	1	ug/L	RJB
2-Butanone (MEK)	07	78-93-3	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		3.00	10.0	1	ug/L	RJB
2-Chlorotoluene	07	95-49-8	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.50	1.00	1	ug/L	RJB
2-Hexanone (MBK)	07	591-78-6	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		2.20	5.00	1	ug/L	RJB

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Client Sample ID: **Trip Blank** **Laboratory Sample ID:** **23L0566-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
4-Chlorotoluene	07	106-43-4	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.50	1.00	1	ug/L	RJB
4-Isopropyltoluene	07	99-87-6	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.40	1.00	1	ug/L	RJB
4-Methyl-2-pentanone (MIBK)	07	108-10-1	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		1.50	5.00	1	ug/L	RJB
Acetone	07	67-64-1	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		7.00	10.0	1	ug/L	RJB
Benzene	07RE1	71-43-2	SW8260D	12/13/2023 16:20	12/13/2023 16:20	BLOD		0.40	1.00	1	ug/L	RJB
Bromobenzene	07	108-86-1	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.50	1.00	1	ug/L	RJB
Bromochloromethane	07	74-97-5	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.50	1.00	1	ug/L	RJB
Bromodichloromethane	07	75-27-4	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.40	0.50	1	ug/L	RJB
Bromoform	07	75-25-2	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.40	1.00	1	ug/L	RJB
Bromomethane	07	74-83-9	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.80	1.00	1	ug/L	RJB
Carbon disulfide	07	75-15-0	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		5.00	10.0	1	ug/L	RJB
Carbon tetrachloride	07	56-23-5	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.50	1.00	1	ug/L	RJB
Chlorobenzene	07	108-90-7	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.40	1.00	1	ug/L	RJB
Chloroethane	07	75-00-3	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.70	1.00	1	ug/L	RJB
Chloroform	07	67-66-3	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.50	0.50	1	ug/L	RJB
Chloromethane	07	74-87-3	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.95	1.00	1	ug/L	RJB
cis-1,2-Dichloroethylene	07	156-59-2	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.40	1.00	1	ug/L	RJB
cis-1,3-Dichloropropene	07	10061-01-5	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.30	1.00	1	ug/L	RJB
Dibromochloromethane	07	124-48-1	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.35	0.50	1	ug/L	RJB
Dibromomethane	07	74-95-3	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.40	1.00	1	ug/L	RJB
Dichlorodifluoromethane	07	75-71-8	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.95	1.00	1	ug/L	RJB
Di-isopropyl ether (DIPE)	07	108-20-3	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		3.00	5.00	1	ug/L	RJB
Ethylbenzene	07RE1	100-41-4	SW8260D	12/13/2023 16:20	12/13/2023 16:20	BLOD		0.40	1.00	1	ug/L	RJB
Hexachlorobutadiene	07	87-68-3	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.60	0.80	1	ug/L	RJB

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Client Sample ID: **Trip Blank** **Laboratory Sample ID:** **23L0566-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Iodomethane	07	74-88-4	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		6.00	10.0	1	ug/L	RJB
Isopropylbenzene	07	98-82-8	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.50	1.00	1	ug/L	RJB
m+p-Xylenes	07RE1	179601-23-1	SW8260D	12/13/2023 16:20	12/13/2023 16:20	BLOD		0.60	2.00	1	ug/L	RJB
Methylene chloride	07	75-09-2	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		4.00	4.00	1	ug/L	RJB
Methyl-t-butyl ether (MTBE)	07	1634-04-4	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.60	1.00	1	ug/L	RJB
Naphthalene	07	91-20-3	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.80	1.00	1	ug/L	RJB
n-Butylbenzene	07	104-51-8	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.40	1.00	1	ug/L	RJB
n-Propylbenzene	07	103-65-1	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.40	1.00	1	ug/L	RJB
o-Xylene	07RE1	95-47-6	SW8260D	12/13/2023 16:20	12/13/2023 16:20	BLOD		0.40	1.00	1	ug/L	RJB
sec-Butylbenzene	07	135-98-8	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.40	1.00	1	ug/L	RJB
Styrene	07	100-42-5	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.40	1.00	1	ug/L	RJB
tert-Butylbenzene	07	98-06-6	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.40	1.00	1	ug/L	RJB
Tetrachloroethylene (PCE)	07	127-18-4	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.40	1.00	1	ug/L	RJB
Toluene	07RE1	108-88-3	SW8260D	12/13/2023 16:20	12/13/2023 16:20	BLOD		0.50	1.00	1	ug/L	RJB
trans-1,2-Dichloroethylene	07	156-60-5	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.60	1.00	1	ug/L	RJB
trans-1,3-Dichloropropene	07	10061-02-6	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.30	1.00	1	ug/L	RJB
Trichloroethylene	07	79-01-6	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.40	1.00	1	ug/L	RJB
Trichlorofluoromethane	07	75-69-4	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.80	1.00	1	ug/L	RJB
Vinyl acetate	07	108-05-4	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		2.00	10.0	1	ug/L	RJB
Vinyl chloride	07	75-01-4	SW8260D	12/12/2023 12:50	12/12/2023 12:50	BLOD		0.50	0.50	1	ug/L	RJB
Xylenes, Total	07RE1	1330-20-7	SW8260D	12/13/2023 16:20	12/13/2023 16:20	BLOD		1.00	3.00	1	ug/L	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*07*	*96.6 %*	*70-120*	*12/12/2023 12:50*	*12/12/2023 12:50*							
Surr: 4-Bromofluorobenzene (Surr)	*07*	*107 %*	*75-120*	*12/12/2023 12:50*	*12/12/2023 12:50*							
Surr: Dibromofluoromethane (Surr)	*07*	*96.6 %*	*70-130*	*12/12/2023 12:50*	*12/12/2023 12:50*							

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Client Sample ID: **Trip Blank** **Laboratory Sample ID:** **23L0566-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Volatile Organic Compounds by GCMS												
Surr: Toluene-d8 (Surr)	*07*		*101 %*	*70-130*	*12/12/2023 12:50*	*12/12/2023 12:50*						
Surr: 1,2-Dichloroethane-d4 (Surr)	*07RE1*		*90.0 %*	*70-120*	*12/13/2023 16:20*	*12/13/2023 16:20*						
Surr: 4-Bromofluorobenzene (Surr)	*07RE1*		*99.3 %*	*75-120*	*12/13/2023 16:20*	*12/13/2023 16:20*						
Surr: Dibromofluoromethane (Surr)	*07RE1*		*87.4 %*	*70-130*	*12/13/2023 16:20*	*12/13/2023 16:20*						
Surr: Toluene-d8 (Surr)	*07RE1*		*98.9 %*	*70-130*	*12/13/2023 16:20*	*12/13/2023 16:20*						

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Client Sample ID: **SC-12** **Laboratory Sample ID:** **23L0675-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	01	7440-22-4	SW6020B	12/14/2023 10:45	12/15/2023 10:16	58.1		3.06	3.06	1	ug/kg dry	AB
Arsenic	01	7440-38-2	SW6020B	12/14/2023 10:45	12/15/2023 10:16	2620		61.2	61.2	1	ug/kg dry	AB
Barium	01RE1	7440-39-3	SW6020B	12/14/2023 10:45	12/15/2023 12:44	124000		61200	61200	100	ug/kg dry	AB
Beryllium	01RE1	7440-41-7	SW6020B	12/14/2023 10:45	12/15/2023 14:38	642		306	306	5	ug/kg dry	AB
Cadmium	01	7440-43-9	SW6020B	12/14/2023 10:45	12/15/2023 10:16	122		61.2	61.2	1	ug/kg dry	AB
Cobalt	01	7440-48-4	SW6020B	12/14/2023 10:45	12/15/2023 10:16	18100		61.2	61.2	1	ug/kg dry	AB
Chromium	01RE1	7440-47-3	SW6020B	12/14/2023 10:45	12/15/2023 12:44	47300		6120	6120	100	ug/kg dry	AB
Copper	01RE1	7440-50-8	SW6020B	12/14/2023 10:45	12/15/2023 12:44	62500		6120	6120	100	ug/kg dry	AB
Mercury	01	7439-97-6	SW7471B	12/19/2023 10:15	12/19/2023 11:50	0.096		0.010	0.010	1	mg/kg dry	SGT
Manganese	01RE1	7439-96-5	SW6020B	12/14/2023 10:45	12/15/2023 12:44	505000		6120	6120	100	ug/kg dry	AB
Nickel	01	7440-02-0	SW6020B	12/14/2023 10:45	12/15/2023 10:16	19600		61.2	61.2	1	ug/kg dry	AB
Lead	01RE1	7439-92-1	SW6020B	12/14/2023 10:45	12/15/2023 12:44	31200		6120	6120	100	ug/kg dry	AB
Antimony	01	7440-36-0	SW6020B	12/14/2023 10:45	12/15/2023 10:16	116		61.2	61.2	1	ug/kg dry	AB
Selenium	01	7782-49-2	SW6020B	12/14/2023 10:45	12/15/2023 10:16	1820		61.2	61.2	1	ug/kg dry	AB
Thallium	01	7440-28-0	SW6020B	12/14/2023 10:45	12/15/2023 10:16	78.7		61.2	61.2	1	ug/kg dry	AB
Vanadium	01RE1	7440-62-2	SW6020B	12/14/2023 10:45	12/15/2023 12:44	107000		30600	30600	100	ug/kg dry	AB
Zinc	01RE1	7440-66-6	SW6020B	12/14/2023 10:45	12/15/2023 12:44	90600		30600	30600	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	01	630-20-6	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
1,1,1-Trichloroethane	01	71-55-6	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	01	79-34-5	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
1,1,2-Trichloroethane	01	79-00-5	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
1,1-Dichloroethane	01	75-34-3	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
1,1-Dichloroethylene	01	75-35-4	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB

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Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-12** **Laboratory Sample ID:** **23L0675-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	01	563-58-6	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	01	87-61-6	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
1,2,3-Trichloropropane	01	96-18-4	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	01	120-82-1	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	01	95-63-6	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	01	96-12-8	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	01	106-93-4	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
1,2-Dichlorobenzene	01	95-50-1	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
1,2-Dichloroethane	01	107-06-2	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
1,2-Dichloropropane	01	78-87-5	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	01	108-67-8	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
1,3-Dichlorobenzene	01	541-73-1	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
1,3-Dichloropropane	01	142-28-9	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
1,4-Dichlorobenzene	01	106-46-7	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
2,2-Dichloropropane	01	594-20-7	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
2-Butanone (MEK)	01	78-93-3	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
2-Chlorotoluene	01	95-49-8	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
2-Hexanone (MBK)	01	591-78-6	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
4-Chlorotoluene	01	106-43-4	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
4-Isopropyltoluene	01	99-87-6	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	01	108-10-1	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
Acetone	01	67-64-1	SW8260D	12/13/2023 16:42	12/13/2023 16:42	32.4		10.1	10.1	1	ug/kg dry	RJB
Benzene	01	71-43-2	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
Bromobenzene	01	108-86-1	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB

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Client Sample ID: **SC-12** **Laboratory Sample ID:** **23L0675-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	01	74-97-5	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
Bromodichloromethane	01	75-27-4	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
Bromoform	01	75-25-2	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
Bromomethane	01	74-83-9	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
Carbon disulfide	01	75-15-0	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
Carbon tetrachloride	01	56-23-5	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
Chlorobenzene	01	108-90-7	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
Chloroethane	01	75-00-3	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
Chloroform	01	67-66-3	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
Chloromethane	01	74-87-3	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	01	156-59-2	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	01	10061-01-5	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
Dibromochloromethane	01	124-48-1	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
Dibromomethane	01	74-95-3	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
Dichlorodifluoromethane	01	75-71-8	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	01	108-20-3	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
Ethylbenzene	01	100-41-4	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
Hexachlorobutadiene	01	87-68-3	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
Iodomethane	01	74-88-4	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		10.1	10.1	1	ug/kg dry	RJB
Isopropylbenzene	01	98-82-8	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
m+p-Xylenes	01	179601-23-1	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
Methylene chloride	01	75-09-2	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	01	1634-04-4	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-12** **Laboratory Sample ID:** **23L0675-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	01	91-20-3	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
n-Butylbenzene	01	104-51-8	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
n-Propylbenzene	01	103-65-1	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
o-Xylene	01	95-47-6	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
sec-Butylbenzene	01	135-98-8	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD	C	5.06	5.06	1	ug/kg dry	RJB
Styrene	01	100-42-5	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
tert-Butylbenzene	01	98-06-6	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	01	127-18-4	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD	C	5.06	5.06	1	ug/kg dry	RJB
Toluene	01	108-88-3	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	01	156-60-5	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	01	10061-02-6	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
Trichloroethylene	01	79-01-6	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
Trichlorofluoromethane	01	75-69-4	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD	C	5.06	5.06	1	ug/kg dry	RJB
Vinyl acetate	01	108-05-4	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	10.1	1	ug/kg dry	RJB
Vinyl chloride	01	75-01-4	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		5.06	5.06	1	ug/kg dry	RJB
Xylenes, Total	01	1330-20-7	SW8260D	12/13/2023 16:42	12/13/2023 16:42	BLOD		15.2	15.2	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*01*		*123 %*	*80-120*	*12/13/2023 16:42*	*12/13/2023 16:42*						*S*
Surr: 4-Bromofluorobenzene (Surr)	*01*		*94.0 %*	*85-120*	*12/13/2023 16:42*	*12/13/2023 16:42*						
Surr: Dibromofluoromethane (Surr)	*01*		*107 %*	*80-130*	*12/13/2023 16:42*	*12/13/2023 16:42*						
Surr: Toluene-d8 (Surr)	*01*		*98.8 %*	*85-115*	*12/13/2023 16:42*	*12/13/2023 16:42*						

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Client Sample ID: **SC-12** **Laboratory Sample ID:** **23L0675-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	01	123-91-1	SW8270E SIM	12/15/2023 08:45	12/18/2023 18:06	BLOD		4.15	4.15	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*01*	*97.1 %*	*35-100*	*12/15/2023 08:45*	*12/18/2023 18:06*							
1,2,4,5-Tetrachlorobenzene	01	95-94-3	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
1,2,4-Trichlorobenzene	01	120-82-1	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
1,2-Dichlorobenzene	01	95-50-1	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
1,2-Diphenylhydrazine	01	122-66-7	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
1,3-Dichlorobenzene	01	541-73-1	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
1,3-Dinitrobenzene	01	99-65-0	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
1,4-Dichlorobenzene	01	106-46-7	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
1-Chloronaphthalene	01	90-13-1	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
1-Naphthylamine	01	134-32-7	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
2,3,4,6-Tetrachlorophenol	01	58-90-2	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
2,4,5-Trichlorophenol	01	95-95-4	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
2,4,6-Trichlorophenol	01	88-06-2	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
2,4-Dichlorophenol	01	120-83-2	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
2,4-Dimethylphenol	01	105-67-9	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
2,4-Dinitrophenol	01	51-28-5	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
2,4-Dinitrotoluene	01	121-14-2	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
2,6-Dichlorophenol	01	87-65-0	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
2,6-Dinitrotoluene	01	606-20-2	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
2-Chloronaphthalene	01	91-58-7	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
2-Chlorophenol	01	95-57-8	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
2-Methylnaphthalene	01	91-57-6	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR

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Client Sample ID: SC-12 **Laboratory Sample ID:** 23L0675-01

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	01	91-59-8	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
2-Nitroaniline	01	88-74-4	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
2-Nitrophenol	01	88-75-5	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
3,3'-Dichlorobenzidine	01	91-94-1	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
3-Methylcholanthrene	01	56-49-5	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
3-Nitroaniline	01	99-09-2	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
4,6-Dinitro-2-methylphenol	01	534-52-1	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
4-Aminobiphenyl	01	92-67-1	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
4-Bromophenyl phenyl ether	01	101-55-3	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
4-Chloroaniline	01	106-47-8	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
4-Chlorophenyl phenyl ether	01	7005-72-3	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
4-Nitroaniline	01	100-01-6	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
4-Nitrophenol	01	100-02-7	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
7,12-Dimethylbenz (a) anthracene	01	57-97-6	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Acenaphthene	01	83-32-9	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Acenaphthylene	01	208-96-8	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Acetophenone	01	98-86-2	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Aniline	01	62-53-3	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Anthracene	01	120-12-7	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Benzidine	01	92-87-5	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Benzo (a) anthracene	01	56-55-3	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Benzo (a) pyrene	01	50-32-8	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Benzo (b) fluoranthene	01	205-99-2	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Benzo (g,h,i) perylene	01	191-24-2	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-12 **Laboratory Sample ID:** 23L0675-01

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	01	207-08-9	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Benzoic acid	01	65-85-0	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Benzyl alcohol	01	100-51-6	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
bis (2-Chloroethoxy) methane	01	111-91-1	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
bis (2-Chloroethyl) ether	01	111-44-4	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
2,2'-Oxybis (1-chloropropane)	01	108-60-1	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
bis (2-Ethylhexyl) phthalate	01	117-81-7	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Butyl benzyl phthalate	01	85-68-7	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Chrysene	01	218-01-9	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Dibenz (a,h) anthracene	01	53-70-3	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Dibenz (a,j) acridine	01	224-42-0	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Dibenzofuran	01	132-64-9	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Diethyl phthalate	01	84-66-2	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Dimethyl phthalate	01	131-11-3	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Di-n-butyl phthalate	01	84-74-2	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD	C	415	415	4	ug/kg dry	ZDR
Di-n-octyl phthalate	01	117-84-0	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Diphenylamine	01	122-39-4	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Ethyl methanesulfonate	01	62-50-0	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Fluoranthene	01	206-44-0	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Fluorene	01	86-73-7	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Hexachlorobenzene	01	118-74-1	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Hexachlorobutadiene	01	87-68-3	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Hexachlorocyclopentadiene	01	77-47-4	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Hexachloroethane	01	67-72-1	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR

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Client Sample ID: **SC-12** **Laboratory Sample ID:** **23L0675-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	01	193-39-5	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Isophorone	01	78-59-1	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
m+p-Cresols	01	1319-77-3	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Methyl methanesulfonate	01	66-27-3	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Naphthalene	01	91-20-3	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Nitrobenzene	01	98-95-3	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
n-Nitrosodimethylamine	01	62-75-9	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
n-Nitrosodi-n-butylamine	01	924-16-3	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
n-Nitrosodi-n-propylamine	01	621-64-7	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
n-Nitrosodiphenylamine	01	86-30-6	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
n-Nitrosopiperidine	01	100-75-4	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
o+m+p-Cresols	01	1319-77-3	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
o-Cresol	01	95-48-7	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
p-(Dimethylamino) azobenzene	01	60-11-7	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
p-Chloro-m-cresol	01	59-50-7	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Pentachloronitrobenzene (quintozene)	01	82-68-8	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Pentachlorophenol	01	87-86-5	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Phenacetin	01	62-44-2	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Phenanthrene	01	85-01-8	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Phenol	01	108-95-2	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Pronamide	01	23950-58-5	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Pyrene	01	129-00-0	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Pyridine	01	110-86-1	SW8270E	12/15/2023 08:45	12/21/2023 22:01	BLOD		415	415	4	ug/kg dry	ZDR
Surr: 2,4,6-Tribromophenol (Surr)	*01*		*70.6 %*	*15-96*	*12/15/2023 08:45*	*12/21/2023 22:01*						

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Client Sample ID: **SC-12** **Laboratory Sample ID:** **23L0675-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*01*		*74.5 %*	*19-105*	*12/15/2023 08:45*	*12/21/2023 22:01*						
Surr: 2-Fluorophenol (Surr)	*01*		*25.0 %*	*12-95*	*12/15/2023 08:45*	*12/21/2023 22:01*						
Surr: Nitrobenzene-d5 (Surr)	*01*		*76.0 %*	*21-100*	*12/15/2023 08:45*	*12/21/2023 22:01*						
Surr: Phenol-d5 (Surr)	*01*		*6.20 %*	*13-100*	*12/15/2023 08:45*	*12/21/2023 22:01*						*DS*
Surr: p-Terphenyl-d14 (Surr)	*01*		*62.6 %*	*25-125*	*12/15/2023 08:45*	*12/21/2023 22:01*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	01	14808-79-8	SW9056A	12/13/2023 23:26	12/13/2023 23:26	10.4	J	3.13	12.5	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	01	7664-41-7	EPA350.1 R2.0	12/27/2023 14:31	12/27/2023 14:31	BLOD		12.4	12.4	1	mg/kg dry	SPH
Chromium, Hexavalent	01	18540-29-9	SW7199	12/19/2023 09:00	12/19/2023 18:52	0.56		0.25	0.25	1	mg/kg dry	MGC
Nitrate as N	01	14797-55-8	SW9056A	12/13/2023 23:26	12/13/2023 23:26	3.02		1.25	2.51	1	mg/kg dry	ATG
Percent Solids	01	NA	SM2540G-2011	12/14/2023 12:22	12/14/2023 12:22	79.8		0.10	0.10	1	%	KJM

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Client Sample ID: **SC-22** **Laboratory Sample ID:** **23L0675-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	02	7440-22-4	SW6020B	12/14/2023 10:45	12/15/2023 10:20	73.7		2.87	2.87	1	ug/kg dry	AB
Arsenic	02	7440-38-2	SW6020B	12/14/2023 10:45	12/15/2023 10:20	1800		57.3	57.3	1	ug/kg dry	AB
Barium	02RE1	7440-39-3	SW6020B	12/14/2023 10:45	12/15/2023 12:47	110000		57300	57300	100	ug/kg dry	AB
Beryllium	02	7440-41-7	SW6020B	12/14/2023 10:45	12/15/2023 10:20	486		57.3	57.3	1	ug/kg dry	AB
Cadmium	02	7440-43-9	SW6020B	12/14/2023 10:45	12/15/2023 10:20	177		57.3	57.3	1	ug/kg dry	AB
Cobalt	02	7440-48-4	SW6020B	12/14/2023 10:45	12/15/2023 10:20	14900		57.3	57.3	1	ug/kg dry	AB
Chromium	02RE1	7440-47-3	SW6020B	12/14/2023 10:45	12/15/2023 12:47	55700		5730	5730	100	ug/kg dry	AB
Copper	02RE1	7440-50-8	SW6020B	12/14/2023 10:45	12/15/2023 12:47	55300		5730	5730	100	ug/kg dry	AB
Mercury	02	7439-97-6	SW7471B	12/19/2023 10:15	12/19/2023 12:15	0.113		0.010	0.010	1	mg/kg dry	SGT
Manganese	02RE1	7439-96-5	SW6020B	12/14/2023 10:45	12/15/2023 12:47	366000		5730	5730	100	ug/kg dry	AB
Nickel	02RE1	7440-02-0	SW6020B	12/14/2023 10:45	12/15/2023 12:47	25000		5730	5730	100	ug/kg dry	AB
Lead	02RE1	7439-92-1	SW6020B	12/14/2023 10:45	12/15/2023 12:47	41000		5730	5730	100	ug/kg dry	AB
Antimony	02	7440-36-0	SW6020B	12/14/2023 10:45	12/15/2023 10:20	164		57.3	57.3	1	ug/kg dry	AB
Selenium	02	7782-49-2	SW6020B	12/14/2023 10:45	12/15/2023 10:20	1570		57.3	57.3	1	ug/kg dry	AB
Thallium	02	7440-28-0	SW6020B	12/14/2023 10:45	12/15/2023 10:20	59.2		57.3	57.3	1	ug/kg dry	AB
Vanadium	02RE1	7440-62-2	SW6020B	12/14/2023 10:45	12/15/2023 12:47	77600		28700	28700	100	ug/kg dry	AB
Zinc	02RE1	7440-66-6	SW6020B	12/14/2023 10:45	12/15/2023 12:47	93400		28700	28700	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	02	630-20-6	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
1,1,1-Trichloroethane	02	71-55-6	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	02	79-34-5	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
1,1,2-Trichloroethane	02	79-00-5	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
1,1-Dichloroethane	02	75-34-3	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
1,1-Dichloroethylene	02	75-35-4	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB

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Client Sample ID: **SC-22** **Laboratory Sample ID:** **23L0675-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	02	563-58-6	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	02	87-61-6	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
1,2,3-Trichloropropane	02	96-18-4	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	02	120-82-1	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	02	95-63-6	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	02	96-12-8	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	02	106-93-4	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
1,2-Dichlorobenzene	02	95-50-1	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
1,2-Dichloroethane	02	107-06-2	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
1,2-Dichloropropane	02	78-87-5	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	02	108-67-8	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
1,3-Dichlorobenzene	02	541-73-1	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
1,3-Dichloropropane	02	142-28-9	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
1,4-Dichlorobenzene	02	106-46-7	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
2,2-Dichloropropane	02	594-20-7	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
2-Butanone (MEK)	02	78-93-3	SW8260D	12/13/2023 17:05	12/13/2023 17:05	7.23		5.45	5.45	1	ug/kg dry	RJB
2-Chlorotoluene	02	95-49-8	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
2-Hexanone (MBK)	02	591-78-6	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
4-Chlorotoluene	02	106-43-4	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
4-Isopropyltoluene	02	99-87-6	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	02	108-10-1	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
Acetone	02	67-64-1	SW8260D	12/13/2023 17:05	12/13/2023 17:05	93.4		10.9	10.9	1	ug/kg dry	RJB
Benzene	02	71-43-2	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
Bromobenzene	02	108-86-1	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-22 **Laboratory Sample ID:** 23L0675-02

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	02	74-97-5	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
Bromodichloromethane	02	75-27-4	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
Bromoform	02	75-25-2	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
Bromomethane	02	74-83-9	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
Carbon disulfide	02	75-15-0	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
Carbon tetrachloride	02	56-23-5	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
Chlorobenzene	02	108-90-7	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
Chloroethane	02	75-00-3	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
Chloroform	02	67-66-3	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
Chloromethane	02	74-87-3	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	02	156-59-2	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	02	10061-01-5	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
Dibromochloromethane	02	124-48-1	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
Dibromomethane	02	74-95-3	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
Dichlorodifluoromethane	02	75-71-8	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	02	108-20-3	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
Ethylbenzene	02	100-41-4	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
Hexachlorobutadiene	02	87-68-3	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
Iodomethane	02	74-88-4	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		10.9	10.9	1	ug/kg dry	RJB
Isopropylbenzene	02	98-82-8	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
m+p-Xylenes	02	179601-23-1	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
Methylene chloride	02	75-09-2	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	02	1634-04-4	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB

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Client Sample ID: **SC-22** **Laboratory Sample ID:** **23L0675-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	02	91-20-3	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
n-Butylbenzene	02	104-51-8	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
n-Propylbenzene	02	103-65-1	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
o-Xylene	02	95-47-6	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
sec-Butylbenzene	02	135-98-8	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD	C	5.45	5.45	1	ug/kg dry	RJB
Styrene	02	100-42-5	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
tert-Butylbenzene	02	98-06-6	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	02	127-18-4	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD	C	5.45	5.45	1	ug/kg dry	RJB
Toluene	02	108-88-3	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	02	156-60-5	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	02	10061-02-6	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
Trichloroethylene	02	79-01-6	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
Trichlorofluoromethane	02	75-69-4	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD	C	5.45	5.45	1	ug/kg dry	RJB
Vinyl acetate	02	108-05-4	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	10.9	1	ug/kg dry	RJB
Vinyl chloride	02	75-01-4	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		5.45	5.45	1	ug/kg dry	RJB
Xylenes, Total	02	1330-20-7	SW8260D	12/13/2023 17:05	12/13/2023 17:05	BLOD		16.4	16.4	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*02*	*122 %*	*80-120*	*12/13/2023 17:05*	*12/13/2023 17:05*							*S*
Surr: 4-Bromofluorobenzene (Surr)	*02*	*92.3 %*	*85-120*	*12/13/2023 17:05*	*12/13/2023 17:05*							
Surr: Dibromofluoromethane (Surr)	*02*	*109 %*	*80-130*	*12/13/2023 17:05*	*12/13/2023 17:05*							
Surr: Toluene-d8 (Surr)	*02*	*99.9 %*	*85-115*	*12/13/2023 17:05*	*12/13/2023 17:05*							

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Client Sample ID: **SC-22** **Laboratory Sample ID:** **23L0675-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	02	123-91-1	SW8270E SIM	12/15/2023 08:45	12/18/2023 18:33	BLOD		4.13	4.13	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*02*	*81.0 %*	*35-100*	*12/15/2023 08:45*	*12/18/2023 18:33*							
1,2,4,5-Tetrachlorobenzene	02	95-94-3	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
1,2,4-Trichlorobenzene	02	120-82-1	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
1,2-Dichlorobenzene	02	95-50-1	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
1,2-Diphenylhydrazine	02	122-66-7	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
1,3-Dichlorobenzene	02	541-73-1	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
1,3-Dinitrobenzene	02	99-65-0	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
1,4-Dichlorobenzene	02	106-46-7	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
1-Chloronaphthalene	02	90-13-1	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
1-Naphthylamine	02	134-32-7	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
2,3,4,6-Tetrachlorophenol	02	58-90-2	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
2,4,5-Trichlorophenol	02	95-95-4	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
2,4,6-Trichlorophenol	02	88-06-2	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
2,4-Dichlorophenol	02	120-83-2	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
2,4-Dimethylphenol	02	105-67-9	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
2,4-Dinitrophenol	02	51-28-5	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
2,4-Dinitrotoluene	02	121-14-2	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
2,6-Dichlorophenol	02	87-65-0	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
2,6-Dinitrotoluene	02	606-20-2	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
2-Chloronaphthalene	02	91-58-7	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
2-Chlorophenol	02	95-57-8	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
2-Methylnaphthalene	02	91-57-6	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR

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Client Sample ID: SC-22 **Laboratory Sample ID:** 23L0675-02

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	02	91-59-8	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
2-Nitroaniline	02	88-74-4	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
2-Nitrophenol	02	88-75-5	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
3,3'-Dichlorobenzidine	02	91-94-1	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
3-Methylcholanthrene	02	56-49-5	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
3-Nitroaniline	02	99-09-2	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
4,6-Dinitro-2-methylphenol	02	534-52-1	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
4-Aminobiphenyl	02	92-67-1	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
4-Bromophenyl phenyl ether	02	101-55-3	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
4-Chloroaniline	02	106-47-8	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
4-Chlorophenyl phenyl ether	02	7005-72-3	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
4-Nitroaniline	02	100-01-6	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
4-Nitrophenol	02	100-02-7	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
7,12-Dimethylbenz (a) anthracene	02	57-97-6	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Acenaphthene	02	83-32-9	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Acenaphthylene	02	208-96-8	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Acetophenone	02	98-86-2	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Aniline	02	62-53-3	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Anthracene	02	120-12-7	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Benzidine	02	92-87-5	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Benzo (a) anthracene	02	56-55-3	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Benzo (a) pyrene	02	50-32-8	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Benzo (b) fluoranthene	02	205-99-2	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Benzo (g,h,i) perylene	02	191-24-2	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	02	207-08-9	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Benzoic acid	02	65-85-0	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Benzyl alcohol	02	100-51-6	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
bis (2-Chloroethoxy) methane	02	111-91-1	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
bis (2-Chloroethyl) ether	02	111-44-4	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
2,2'-Oxybis (1-chloropropane)	02	108-60-1	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
bis (2-Ethylhexyl) phthalate	02	117-81-7	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Butyl benzyl phthalate	02	85-68-7	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Chrysene	02	218-01-9	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Dibenz (a,h) anthracene	02	53-70-3	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Dibenz (a,j) acridine	02	224-42-0	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Dibenzofuran	02	132-64-9	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Diethyl phthalate	02	84-66-2	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Dimethyl phthalate	02	131-11-3	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Di-n-butyl phthalate	02	84-74-2	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD	C	413	413	4	ug/kg dry	ZDR
Di-n-octyl phthalate	02	117-84-0	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Diphenylamine	02	122-39-4	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Ethyl methanesulfonate	02	62-50-0	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Fluoranthene	02	206-44-0	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Fluorene	02	86-73-7	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Hexachlorobenzene	02	118-74-1	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Hexachlorobutadiene	02	87-68-3	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Hexachlorocyclopentadiene	02	77-47-4	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Hexachloroethane	02	67-72-1	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR

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Client Sample ID: SC-22 **Laboratory Sample ID:** 23L0675-02

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	02	193-39-5	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Isophorone	02	78-59-1	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
m+p-Cresols	02	1319-77-3	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Methyl methanesulfonate	02	66-27-3	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Naphthalene	02	91-20-3	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Nitrobenzene	02	98-95-3	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
n-Nitrosodimethylamine	02	62-75-9	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
n-Nitrosodi-n-butylamine	02	924-16-3	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
n-Nitrosodi-n-propylamine	02	621-64-7	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
n-Nitrosodiphenylamine	02	86-30-6	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
n-Nitrosopiperidine	02	100-75-4	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
o+m+p-Cresols	02	1319-77-3	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
o-Cresol	02	95-48-7	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
p-(Dimethylamino) azobenzene	02	60-11-7	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
p-Chloro-m-cresol	02	59-50-7	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Pentachloronitrobenzene (quintozene)	02	82-68-8	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Pentachlorophenol	02	87-86-5	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Phenacetin	02	62-44-2	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Phenanthrene	02	85-01-8	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Phenol	02	108-95-2	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Pronamide	02	23950-58-5	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Pyrene	02	129-00-0	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Pyridine	02	110-86-1	SW8270E	12/15/2023 08:45	12/21/2023 22:31	BLOD		413	413	4	ug/kg dry	ZDR
Surr: 2,4,6-Tribromophenol (Surr)	*02*		*69.4 %*	*15-96*	*12/15/2023 08:45*	*12/21/2023 22:31*						

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Client Sample ID: **SC-22** **Laboratory Sample ID:** **23L0675-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*02*		*62.3 %*	*19-105*	*12/15/2023 08:45*	*12/21/2023 22:31*						
Surr: 2-Fluorophenol (Surr)	*02*		*28.3 %*	*12-95*	*12/15/2023 08:45*	*12/21/2023 22:31*						
Surr: Nitrobenzene-d5 (Surr)	*02*		*66.6 %*	*21-100*	*12/15/2023 08:45*	*12/21/2023 22:31*						
Surr: Phenol-d5 (Surr)	*02*		*54.2 %*	*13-100*	*12/15/2023 08:45*	*12/21/2023 22:31*						
Surr: p-Terphenyl-d14 (Surr)	*02*		*50.0 %*	*25-125*	*12/15/2023 08:45*	*12/21/2023 22:31*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	02	14808-79-8	SW9056A	12/14/2023 00:32	12/14/2023 00:32	7.56	J	3.12	12.5	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	02	7664-41-7	EPA350.1 R2.0	12/27/2023 14:31	12/27/2023 14:37	BLOD		12.1	12.1	1	mg/kg dry	SPH
Chromium, Hexavalent	02	18540-29-9	SW7199	12/19/2023 09:00	12/19/2023 19:19	1.21		0.25	0.25	1	mg/kg dry	MGC
Nitrate as N	02	14797-55-8	SW9056A	12/14/2023 00:32	12/14/2023 00:32	1.39	J	1.25	2.49	1	mg/kg dry	ATG
Percent Solids	02	NA	SM2540G-2011	12/14/2023 12:22	12/14/2023 12:22	80.2		0.10	0.10	1	%	KJM

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Client Sample ID: **SC-23** **Laboratory Sample ID:** **23L0675-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	03	7440-22-4	SW6020B	12/14/2023 10:45	12/15/2023 10:23	12.9		3.05	3.05	1	ug/kg dry	AB
Arsenic	03	7440-38-2	SW6020B	12/14/2023 10:45	12/15/2023 10:23	1880		60.9	60.9	1	ug/kg dry	AB
Barium	03RE1	7440-39-3	SW6020B	12/14/2023 10:45	12/15/2023 12:50	101000		60900	60900	100	ug/kg dry	AB
Beryllium	03RE1	7440-41-7	SW6020B	12/14/2023 10:45	12/15/2023 14:42	623		305	305	5	ug/kg dry	AB
Cadmium	03	7440-43-9	SW6020B	12/14/2023 10:45	12/15/2023 10:23	BLOD		60.9	60.9	1	ug/kg dry	AB
Cobalt	03	7440-48-4	SW6020B	12/14/2023 10:45	12/15/2023 10:23	15600		60.9	60.9	1	ug/kg dry	AB
Chromium	03RE1	7440-47-3	SW6020B	12/14/2023 10:45	12/15/2023 12:50	33300		6090	6090	100	ug/kg dry	AB
Copper	03RE1	7440-50-8	SW6020B	12/14/2023 10:45	12/15/2023 12:50	35500		6090	6090	100	ug/kg dry	AB
Mercury	03	7439-97-6	SW7471B	12/19/2023 10:15	12/19/2023 12:17	0.024		0.010	0.010	1	mg/kg dry	SGT
Manganese	03RE1	7439-96-5	SW6020B	12/14/2023 10:45	12/15/2023 12:50	302000		6090	6090	100	ug/kg dry	AB
Nickel	03	7440-02-0	SW6020B	12/14/2023 10:45	12/15/2023 10:23	13300		60.9	60.9	1	ug/kg dry	AB
Lead	03	7439-92-1	SW6020B	12/14/2023 10:45	12/15/2023 10:23	6390		60.9	60.9	1	ug/kg dry	AB
Antimony	03	7440-36-0	SW6020B	12/14/2023 10:45	12/15/2023 10:23	BLOD		60.9	60.9	1	ug/kg dry	AB
Selenium	03	7782-49-2	SW6020B	12/14/2023 10:45	12/15/2023 10:23	1910		60.9	60.9	1	ug/kg dry	AB
Thallium	03	7440-28-0	SW6020B	12/14/2023 10:45	12/15/2023 10:23	82.5		60.9	60.9	1	ug/kg dry	AB
Vanadium	03RE1	7440-62-2	SW6020B	12/14/2023 10:45	12/15/2023 12:50	73500		30500	30500	100	ug/kg dry	AB
Zinc	03RE1	7440-66-6	SW6020B	12/14/2023 10:45	12/15/2023 12:50	44700		30500	30500	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	03	630-20-6	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
1,1,1-Trichloroethane	03	71-55-6	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	03	79-34-5	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
1,1,2-Trichloroethane	03	79-00-5	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
1,1-Dichloroethane	03	75-34-3	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
1,1-Dichloroethylene	03	75-35-4	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB

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Client Sample ID: **SC-23** **Laboratory Sample ID:** **23L0675-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	03	563-58-6	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	03	87-61-6	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
1,2,3-Trichloropropane	03	96-18-4	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	03	120-82-1	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	03	95-63-6	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	03	96-12-8	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	03	106-93-4	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
1,2-Dichlorobenzene	03	95-50-1	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
1,2-Dichloroethane	03	107-06-2	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
1,2-Dichloropropane	03	78-87-5	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	03	108-67-8	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
1,3-Dichlorobenzene	03	541-73-1	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
1,3-Dichloropropane	03	142-28-9	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
1,4-Dichlorobenzene	03	106-46-7	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
2,2-Dichloropropane	03	594-20-7	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
2-Butanone (MEK)	03	78-93-3	SW8260D	12/13/2023 17:28	12/13/2023 17:28	6.21		5.32	5.32	1	ug/kg dry	RJB
2-Chlorotoluene	03	95-49-8	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
2-Hexanone (MBK)	03	591-78-6	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
4-Chlorotoluene	03	106-43-4	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
4-Isopropyltoluene	03	99-87-6	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	03	108-10-1	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
Acetone	03	67-64-1	SW8260D	12/13/2023 17:28	12/13/2023 17:28	62.3		10.6	10.6	1	ug/kg dry	RJB
Benzene	03	71-43-2	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
Bromobenzene	03	108-86-1	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB

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Client Sample ID: SC-23 **Laboratory Sample ID:** 23L0675-03

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	03	74-97-5	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
Bromodichloromethane	03	75-27-4	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
Bromoform	03	75-25-2	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
Bromomethane	03	74-83-9	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
Carbon disulfide	03	75-15-0	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
Carbon tetrachloride	03	56-23-5	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
Chlorobenzene	03	108-90-7	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
Chloroethane	03	75-00-3	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
Chloroform	03	67-66-3	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
Chloromethane	03	74-87-3	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	03	156-59-2	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	03	10061-01-5	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
Dibromochloromethane	03	124-48-1	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
Dibromomethane	03	74-95-3	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
Dichlorodifluoromethane	03	75-71-8	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	03	108-20-3	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
Ethylbenzene	03	100-41-4	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
Hexachlorobutadiene	03	87-68-3	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
Iodomethane	03	74-88-4	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		10.6	10.6	1	ug/kg dry	RJB
Isopropylbenzene	03	98-82-8	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
m+p-Xylenes	03	179601-23-1	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
Methylene chloride	03	75-09-2	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	03	1634-04-4	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-23** **Laboratory Sample ID:** **23L0675-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	03	91-20-3	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
n-Butylbenzene	03	104-51-8	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
n-Propylbenzene	03	103-65-1	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
o-Xylene	03	95-47-6	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
sec-Butylbenzene	03	135-98-8	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD	C	5.32	5.32	1	ug/kg dry	RJB
Styrene	03	100-42-5	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
tert-Butylbenzene	03	98-06-6	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	03	127-18-4	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD	C	5.32	5.32	1	ug/kg dry	RJB
Toluene	03	108-88-3	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	03	156-60-5	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	03	10061-02-6	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
Trichloroethylene	03	79-01-6	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
Trichlorofluoromethane	03	75-69-4	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD	C	5.32	5.32	1	ug/kg dry	RJB
Vinyl acetate	03	108-05-4	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	10.6	1	ug/kg dry	RJB
Vinyl chloride	03	75-01-4	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		5.32	5.32	1	ug/kg dry	RJB
Xylenes, Total	03	1330-20-7	SW8260D	12/13/2023 17:28	12/13/2023 17:28	BLOD		15.9	15.9	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*03*	*121 %*	*80-120*	*12/13/2023 17:28*	*12/13/2023 17:28*							*S*
Surr: 4-Bromofluorobenzene (Surr)	*03*	*93.9 %*	*85-120*	*12/13/2023 17:28*	*12/13/2023 17:28*							
Surr: Dibromofluoromethane (Surr)	*03*	*107 %*	*80-130*	*12/13/2023 17:28*	*12/13/2023 17:28*							
Surr: Toluene-d8 (Surr)	*03*	*98.6 %*	*85-115*	*12/13/2023 17:28*	*12/13/2023 17:28*							

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-23** **Laboratory Sample ID:** **23L0675-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	03	123-91-1	SW8270E SIM	12/15/2023 08:45	12/18/2023 18:59	BLOD		4.17	4.17	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*03*	*79.0 %*	*35-100*	*12/15/2023 08:45*	*12/18/2023 18:59*							
1,2,4,5-Tetrachlorobenzene	03	95-94-3	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
1,2,4-Trichlorobenzene	03	120-82-1	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
1,2-Dichlorobenzene	03	95-50-1	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
1,2-Diphenylhydrazine	03	122-66-7	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
1,3-Dichlorobenzene	03	541-73-1	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
1,3-Dinitrobenzene	03	99-65-0	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
1,4-Dichlorobenzene	03	106-46-7	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
1-Chloronaphthalene	03	90-13-1	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
1-Naphthylamine	03	134-32-7	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
2,3,4,6-Tetrachlorophenol	03	58-90-2	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
2,4,5-Trichlorophenol	03	95-95-4	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
2,4,6-Trichlorophenol	03	88-06-2	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
2,4-Dichlorophenol	03	120-83-2	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
2,4-Dimethylphenol	03	105-67-9	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
2,4-Dinitrophenol	03	51-28-5	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
2,4-Dinitrotoluene	03	121-14-2	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
2,6-Dichlorophenol	03	87-65-0	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
2,6-Dinitrotoluene	03	606-20-2	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
2-Chloronaphthalene	03	91-58-7	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
2-Chlorophenol	03	95-57-8	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
2-Methylnaphthalene	03	91-57-6	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR

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Client Sample ID: SC-23 **Laboratory Sample ID:** 23L0675-03

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	03	91-59-8	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
2-Nitroaniline	03	88-74-4	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
2-Nitrophenol	03	88-75-5	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
3,3'-Dichlorobenzidine	03	91-94-1	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
3-Methylcholanthrene	03	56-49-5	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
3-Nitroaniline	03	99-09-2	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
4,6-Dinitro-2-methylphenol	03	534-52-1	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
4-Aminobiphenyl	03	92-67-1	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
4-Bromophenyl phenyl ether	03	101-55-3	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
4-Chloroaniline	03	106-47-8	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
4-Chlorophenyl phenyl ether	03	7005-72-3	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
4-Nitroaniline	03	100-01-6	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
4-Nitrophenol	03	100-02-7	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
7,12-Dimethylbenz (a) anthracene	03	57-97-6	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Acenaphthene	03	83-32-9	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Acenaphthylene	03	208-96-8	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Acetophenone	03	98-86-2	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Aniline	03	62-53-3	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Anthracene	03	120-12-7	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Benzidine	03	92-87-5	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Benzo (a) anthracene	03	56-55-3	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Benzo (a) pyrene	03	50-32-8	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Benzo (b) fluoranthene	03	205-99-2	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Benzo (g,h,i) perylene	03	191-24-2	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR

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Client Sample ID: SC-23 **Laboratory Sample ID:** 23L0675-03

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	03	207-08-9	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Benzoic acid	03	65-85-0	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Benzyl alcohol	03	100-51-6	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
bis (2-Chloroethoxy) methane	03	111-91-1	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
bis (2-Chloroethyl) ether	03	111-44-4	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
2,2'-Oxybis (1-chloropropane)	03	108-60-1	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
bis (2-Ethylhexyl) phthalate	03	117-81-7	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Butyl benzyl phthalate	03	85-68-7	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Chrysene	03	218-01-9	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Dibenz (a,h) anthracene	03	53-70-3	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Dibenz (a,j) acridine	03	224-42-0	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Dibenzofuran	03	132-64-9	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Diethyl phthalate	03	84-66-2	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Dimethyl phthalate	03	131-11-3	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Di-n-butyl phthalate	03	84-74-2	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD	C	104	104	1	ug/kg dry	ZDR
Di-n-octyl phthalate	03	117-84-0	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Diphenylamine	03	122-39-4	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Ethyl methanesulfonate	03	62-50-0	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Fluoranthene	03	206-44-0	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Fluorene	03	86-73-7	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Hexachlorobenzene	03	118-74-1	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Hexachlorobutadiene	03	87-68-3	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Hexachlorocyclopentadiene	03	77-47-4	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Hexachloroethane	03	67-72-1	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR

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Client Sample ID: SC-23 **Laboratory Sample ID:** 23L0675-03

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	03	193-39-5	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Isophorone	03	78-59-1	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
m+p-Cresols	03	1319-77-3	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Methyl methanesulfonate	03	66-27-3	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Naphthalene	03	91-20-3	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Nitrobenzene	03	98-95-3	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
n-Nitrosodimethylamine	03	62-75-9	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
n-Nitrosodi-n-butylamine	03	924-16-3	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
n-Nitrosodi-n-propylamine	03	621-64-7	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
n-Nitrosodiphenylamine	03	86-30-6	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
n-Nitrosopiperidine	03	100-75-4	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
o+m+p-Cresols	03	1319-77-3	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
o-Cresol	03	95-48-7	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
p-(Dimethylamino) azobenzene	03	60-11-7	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
p-Chloro-m-cresol	03	59-50-7	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Pentachloronitrobenzene (quintozene)	03	82-68-8	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Pentachlorophenol	03	87-86-5	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Phenacetin	03	62-44-2	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Phenanthrene	03	85-01-8	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Phenol	03	108-95-2	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Pronamide	03	23950-58-5	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Pyrene	03	129-00-0	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Pyridine	03	110-86-1	SW8270E	12/15/2023 08:45	12/21/2023 23:00	BLOD		104	104	1	ug/kg dry	ZDR
Surr: 2,4,6-Tribromophenol (Surr)	*03*		*60.0 %*	*15-96*	*12/15/2023 08:45*	*12/21/2023 23:00*						

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-23** **Laboratory Sample ID:** **23L0675-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*03*		*70.7 %*	*19-105*	*12/15/2023 08:45*	*12/21/2023 23:00*						
Surr: 2-Fluorophenol (Surr)	*03*		*54.2 %*	*12-95*	*12/15/2023 08:45*	*12/21/2023 23:00*						
Surr: Nitrobenzene-d5 (Surr)	*03*		*62.3 %*	*21-100*	*12/15/2023 08:45*	*12/21/2023 23:00*						
Surr: Phenol-d5 (Surr)	*03*		*61.2 %*	*13-100*	*12/15/2023 08:45*	*12/21/2023 23:00*						
Surr: p-Terphenyl-d14 (Surr)	*03*		*38.4 %*	*25-125*	*12/15/2023 08:45*	*12/21/2023 23:00*						

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Client Sample ID: **SC-23** **Laboratory Sample ID:** **23L0675-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	03	14808-79-8	SW9056A	12/14/2023 01:38	12/14/2023 01:38	13.4		3.14	12.6	1	mg/kg dry	ATG

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Client Sample ID: **SC-23** **Laboratory Sample ID:** **23L0675-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	03	7664-41-7	EPA350.1 R2.0	12/27/2023 14:31	12/27/2023 14:39	BLOD		12.3	12.3	1	mg/kg dry	SPH
Chromium, Hexavalent	03	18540-29-9	SW7199	12/19/2023 09:00	12/19/2023 19:45	0.64		0.25	0.25	1	mg/kg dry	MGC
Nitrate as N	03	14797-55-8	SW9056A	12/14/2023 01:38	12/14/2023 01:38	3.13		1.26	2.51	1	mg/kg dry	ATG
Percent Solids	03	NA	SM2540G-2011	12/15/2023 14:56	12/15/2023 14:56	79.6		0.10	0.10	1	%	LAM

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Client Sample ID: **SC-34** **Laboratory Sample ID:** **23L0675-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	04	7440-22-4	SW6020B	12/14/2023 10:45	12/15/2023 10:26	18.5		2.84	2.84	1	ug/kg dry	AB
Arsenic	04	7440-38-2	SW6020B	12/14/2023 10:45	12/15/2023 10:26	2400		56.8	56.8	1	ug/kg dry	AB
Barium	04RE1	7440-39-3	SW6020B	12/14/2023 10:45	12/15/2023 12:54	95000		56800	56800	100	ug/kg dry	AB
Beryllium	04RE1	7440-41-7	SW6020B	12/14/2023 10:45	12/15/2023 14:45	685		284	284	5	ug/kg dry	AB
Cadmium	04	7440-43-9	SW6020B	12/14/2023 10:45	12/15/2023 10:26	BLOD		56.8	56.8	1	ug/kg dry	AB
Cobalt	04	7440-48-4	SW6020B	12/14/2023 10:45	12/15/2023 10:26	12600		56.8	56.8	1	ug/kg dry	AB
Chromium	04RE1	7440-47-3	SW6020B	12/14/2023 10:45	12/15/2023 12:54	35400		5680	5680	100	ug/kg dry	AB
Copper	04RE1	7440-50-8	SW6020B	12/14/2023 10:45	12/15/2023 12:54	72300		5680	5680	100	ug/kg dry	AB
Mercury	04	7439-97-6	SW7471B	12/19/2023 10:15	12/19/2023 12:20	0.131		0.009	0.009	1	mg/kg dry	SGT
Manganese	04RE1	7439-96-5	SW6020B	12/14/2023 10:45	12/15/2023 12:54	377000		5680	5680	100	ug/kg dry	AB
Nickel	04	7440-02-0	SW6020B	12/14/2023 10:45	12/15/2023 10:26	10700		56.8	56.8	1	ug/kg dry	AB
Lead	04	7439-92-1	SW6020B	12/14/2023 10:45	12/15/2023 10:26	13600		56.8	56.8	1	ug/kg dry	AB
Antimony	04	7440-36-0	SW6020B	12/14/2023 10:45	12/15/2023 10:26	60.3		56.8	56.8	1	ug/kg dry	AB
Selenium	04	7782-49-2	SW6020B	12/14/2023 10:45	12/15/2023 10:26	2130		56.8	56.8	1	ug/kg dry	AB
Thallium	04	7440-28-0	SW6020B	12/14/2023 10:45	12/15/2023 10:26	153		56.8	56.8	1	ug/kg dry	AB
Vanadium	04RE1	7440-62-2	SW6020B	12/14/2023 10:45	12/15/2023 12:54	103000		28400	28400	100	ug/kg dry	AB
Zinc	04RE1	7440-66-6	SW6020B	12/14/2023 10:45	12/15/2023 12:54	29000		28400	28400	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	04	630-20-6	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,1,1-Trichloroethane	04	71-55-6	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	04	79-34-5	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,1,2-Trichloroethane	04	79-00-5	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,1-Dichloroethane	04	75-34-3	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,1-Dichloroethylene	04	75-35-4	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB

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Client Sample ID: **SC-34** **Laboratory Sample ID:** **23L0675-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	04	563-58-6	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	04	87-61-6	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,2,3-Trichloropropane	04	96-18-4	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	04	120-82-1	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	04	95-63-6	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	04	96-12-8	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	04	106-93-4	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,2-Dichlorobenzene	04	95-50-1	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,2-Dichloroethane	04	107-06-2	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,2-Dichloropropane	04	78-87-5	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	04	108-67-8	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,3-Dichlorobenzene	04	541-73-1	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,3-Dichloropropane	04	142-28-9	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,4-Dichlorobenzene	04	106-46-7	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
2,2-Dichloropropane	04	594-20-7	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
2-Butanone (MEK)	04	78-93-3	SW8260D	12/14/2023 11:59	12/14/2023 11:59	16.2		5.82	5.82	1	ug/kg dry	RJB
2-Chlorotoluene	04	95-49-8	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
2-Hexanone (MBK)	04	591-78-6	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
4-Chlorotoluene	04	106-43-4	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
4-Isopropyltoluene	04	99-87-6	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	04	108-10-1	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD	C	5.82	5.82	1	ug/kg dry	RJB
Acetone	04	67-64-1	SW8260D	12/14/2023 11:59	12/14/2023 11:59	197		11.6	11.6	1	ug/kg dry	RJB
Benzene	04	71-43-2	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
Bromobenzene	04	108-86-1	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB

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Client Sample ID: **SC-34** **Laboratory Sample ID:** **23L0675-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	04	74-97-5	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
Bromodichloromethane	04	75-27-4	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
Bromoform	04	75-25-2	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
Bromomethane	04	74-83-9	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD	C	5.82	5.82	1	ug/kg dry	RJB
Carbon disulfide	04	75-15-0	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
Carbon tetrachloride	04	56-23-5	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
Chlorobenzene	04	108-90-7	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
Chloroethane	04	75-00-3	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD	C	5.82	5.82	1	ug/kg dry	RJB
Chloroform	04	67-66-3	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
Chloromethane	04	74-87-3	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	04	156-59-2	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	04	10061-01-5	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
Dibromochloromethane	04	124-48-1	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
Dibromomethane	04	74-95-3	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
Dichlorodifluoromethane	04	75-71-8	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	04	108-20-3	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
Ethylbenzene	04	100-41-4	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
Hexachlorobutadiene	04	87-68-3	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
Iodomethane	04	74-88-4	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		11.6	11.6	1	ug/kg dry	RJB
Isopropylbenzene	04	98-82-8	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
m+p-Xylenes	04	179601-23-1	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
Methylene chloride	04	75-09-2	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	04	1634-04-4	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB

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Client Sample ID: **SC-34** **Laboratory Sample ID:** **23L0675-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	04	91-20-3	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
n-Butylbenzene	04	104-51-8	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
n-Propylbenzene	04	103-65-1	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
o-Xylene	04	95-47-6	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
sec-Butylbenzene	04	135-98-8	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
Styrene	04	100-42-5	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
tert-Butylbenzene	04	98-06-6	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	04	127-18-4	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD	C	5.82	5.82	1	ug/kg dry	RJB
Toluene	04	108-88-3	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	04	156-60-5	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	04	10061-02-6	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
Trichloroethylene	04	79-01-6	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
Trichlorofluoromethane	04	75-69-4	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD	C	5.82	5.82	1	ug/kg dry	RJB
Vinyl acetate	04	108-05-4	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	11.6	1	ug/kg dry	RJB
Vinyl chloride	04	75-01-4	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		5.82	5.82	1	ug/kg dry	RJB
Xylenes, Total	04	1330-20-7	SW8260D	12/14/2023 11:59	12/14/2023 11:59	BLOD		17.5	17.5	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*04*		*114 %*	*80-120*	*12/14/2023 11:59*	*12/14/2023 11:59*						
Surr: 4-Bromofluorobenzene (Surr)	*04*		*96.1 %*	*85-120*	*12/14/2023 11:59*	*12/14/2023 11:59*						
Surr: Dibromofluoromethane (Surr)	*04*		*102 %*	*80-130*	*12/14/2023 11:59*	*12/14/2023 11:59*						
Surr: Toluene-d8 (Surr)	*04*		*104 %*	*85-115*	*12/14/2023 11:59*	*12/14/2023 11:59*						

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Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-34** **Laboratory Sample ID:** **23L0675-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	04	123-91-1	SW8270E SIM	12/15/2023 08:45	12/18/2023 19:25	BLOD		3.98	3.98	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*04*	*77.9 %*	*35-100*	*12/15/2023 08:45*	*12/18/2023 19:25*							
1,2,4,5-Tetrachlorobenzene	04	95-94-3	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
1,2,4-Trichlorobenzene	04	120-82-1	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
1,2-Dichlorobenzene	04	95-50-1	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
1,2-Diphenylhydrazine	04	122-66-7	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
1,3-Dichlorobenzene	04	541-73-1	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
1,3-Dinitrobenzene	04	99-65-0	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
1,4-Dichlorobenzene	04	106-46-7	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
1-Chloronaphthalene	04	90-13-1	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
1-Naphthylamine	04	134-32-7	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	04	58-90-2	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
2,4,5-Trichlorophenol	04	95-95-4	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
2,4,6-Trichlorophenol	04	88-06-2	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
2,4-Dichlorophenol	04	120-83-2	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
2,4-Dimethylphenol	04	105-67-9	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
2,4-Dinitrophenol	04	51-28-5	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
2,4-Dinitrotoluene	04	121-14-2	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
2,6-Dichlorophenol	04	87-65-0	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
2,6-Dinitrotoluene	04	606-20-2	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
2-Chloronaphthalene	04	91-58-7	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
2-Chlorophenol	04	95-57-8	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
2-Methylnaphthalene	04	91-57-6	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS

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Client Sample ID: **SC-34** **Laboratory Sample ID:** **23L0675-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	04	91-59-8	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
2-Nitroaniline	04	88-74-4	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
2-Nitrophenol	04	88-75-5	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
3,3'-Dichlorobenzidine	04	91-94-1	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
3-Methylcholanthrene	04	56-49-5	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
3-Nitroaniline	04	99-09-2	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	04	534-52-1	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
4-Aminobiphenyl	04	92-67-1	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
4-Bromophenyl phenyl ether	04	101-55-3	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
4-Chloroaniline	04	106-47-8	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	04	7005-72-3	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
4-Nitroaniline	04	100-01-6	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
4-Nitrophenol	04	100-02-7	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	04	57-97-6	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Acenaphthene	04	83-32-9	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Acenaphthylene	04	208-96-8	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Acetophenone	04	98-86-2	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Aniline	04	62-53-3	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Anthracene	04	120-12-7	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Benzidine	04	92-87-5	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Benzo (a) anthracene	04	56-55-3	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Benzo (a) pyrene	04	50-32-8	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Benzo (b) fluoranthene	04	205-99-2	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Benzo (g,h,i) perylene	04	191-24-2	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS

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Client Sample ID: SC-34 **Laboratory Sample ID:** 23L0675-04

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Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	04	207-08-9	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Benzoic acid	04	65-85-0	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Benzyl alcohol	04	100-51-6	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	04	111-91-1	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
bis (2-Chloroethyl) ether	04	111-44-4	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	04	108-60-1	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	04	117-81-7	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Butyl benzyl phthalate	04	85-68-7	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Chrysene	04	218-01-9	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Dibenz (a,h) anthracene	04	53-70-3	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Dibenz (a,j) acridine	04	224-42-0	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Dibenzofuran	04	132-64-9	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Diethyl phthalate	04	84-66-2	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Dimethyl phthalate	04	131-11-3	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Di-n-butyl phthalate	04	84-74-2	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Di-n-octyl phthalate	04	117-84-0	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Diphenylamine	04	122-39-4	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Ethyl methanesulfonate	04	62-50-0	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Fluoranthene	04	206-44-0	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Fluorene	04	86-73-7	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Hexachlorobenzene	04	118-74-1	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Hexachlorobutadiene	04	87-68-3	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Hexachlorocyclopentadiene	04	77-47-4	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Hexachloroethane	04	67-72-1	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	04	193-39-5	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Isophorone	04	78-59-1	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
m+p-Cresols	04	1319-77-3	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Methyl methanesulfonate	04	66-27-3	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Naphthalene	04	91-20-3	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Nitrobenzene	04	98-95-3	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
n-Nitrosodimethylamine	04	62-75-9	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	04	924-16-3	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	04	621-64-7	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
n-Nitrosodiphenylamine	04	86-30-6	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
n-Nitrosopiperidine	04	100-75-4	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
o+m+p-Cresols	04	1319-77-3	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
o-Cresol	04	95-48-7	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	04	60-11-7	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
p-Chloro-m-cresol	04	59-50-7	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	04	82-68-8	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Pentachlorophenol	04	87-86-5	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Phenacetin	04	62-44-2	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Phenanthrene	04	85-01-8	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Phenol	04	108-95-2	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Pronamide	04	23950-58-5	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Pyrene	04	129-00-0	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Pyridine	04	110-86-1	SW8270E	12/15/2023 08:45	12/22/2023 17:01	BLOD		99.6	99.6	1	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*04*	*58.2 %*	*15-96*	*12/15/2023 08:45*	*12/22/2023 17:01*							

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*04*		*53.3 %*	*19-105*	*12/15/2023 08:45*	*12/22/2023 17:01*						
Surr: 2-Fluorophenol (Surr)	*04*		*60.2 %*	*12-95*	*12/15/2023 08:45*	*12/22/2023 17:01*						
Surr: Nitrobenzene-d5 (Surr)	*04*		*68.3 %*	*21-100*	*12/15/2023 08:45*	*12/22/2023 17:01*						
Surr: Phenol-d5 (Surr)	*04*		*53.1 %*	*13-100*	*12/15/2023 08:45*	*12/22/2023 17:01*						
Surr: p-Terphenyl-d14 (Surr)	*04*		*53.7 %*	*25-125*	*12/15/2023 08:45*	*12/22/2023 17:01*						

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Ion Chromatography Analyses												
Sulfate	04	14808-79-8	SW9056A	12/14/2023 02:00	12/14/2023 02:00	37.3		3.01	12.0	1	mg/kg dry	ATG

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Wet Chemistry Analysis												
Ammonia as N	04	7664-41-7	EPA350.1 R2.0	12/27/2023 14:31	12/27/2023 14:41	BLOD		11.1	11.1	1	mg/kg dry	SPH
Chromium, Hexavalent	04	18540-29-9	SW7199	12/19/2023 09:00	12/19/2023 20:12	0.99		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	04	14797-55-8	SW9056A	12/14/2023 02:00	12/14/2023 02:00	1.61	J	1.20	2.41	1	mg/kg dry	ATG
Percent Solids	04	NA	SM2540G-2011	12/15/2023 14:56	12/15/2023 14:56	83.1		0.10	0.10	1	%	LAM

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-35** **Laboratory Sample ID:** **23L0675-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	05	7440-22-4	SW6020B	12/14/2023 10:45	12/15/2023 10:37	136		2.78	2.78	1	ug/kg dry	AB
Arsenic	05	7440-38-2	SW6020B	12/14/2023 10:45	12/15/2023 10:37	3350		55.6	55.6	1	ug/kg dry	AB
Barium	05RE1	7440-39-3	SW6020B	12/14/2023 10:45	12/15/2023 13:03	121000		55600	55600	100	ug/kg dry	AB
Beryllium	05RE1	7440-41-7	SW6020B	12/14/2023 10:45	12/15/2023 14:55	734		278	278	5	ug/kg dry	AB
Cadmium	05	7440-43-9	SW6020B	12/14/2023 10:45	12/15/2023 10:37	216		55.6	55.6	1	ug/kg dry	AB
Cobalt	05	7440-48-4	SW6020B	12/14/2023 10:45	12/15/2023 10:37	12400		55.6	55.6	1	ug/kg dry	AB
Chromium	05RE1	7440-47-3	SW6020B	12/14/2023 10:45	12/15/2023 13:03	118000		5560	5560	100	ug/kg dry	AB
Copper	05RE1	7440-50-8	SW6020B	12/14/2023 10:45	12/15/2023 13:03	70800		5560	5560	100	ug/kg dry	AB
Mercury	05	7439-97-6	SW7471B	12/19/2023 10:15	12/19/2023 12:22	0.038		0.009	0.009	1	mg/kg dry	SGT
Manganese	05RE1	7439-96-5	SW6020B	12/14/2023 10:45	12/15/2023 13:03	402000		5560	5560	100	ug/kg dry	AB
Nickel	05	7440-02-0	SW6020B	12/14/2023 10:45	12/15/2023 10:37	18000		55.6	55.6	1	ug/kg dry	AB
Lead	05RE1	7439-92-1	SW6020B	12/14/2023 10:45	12/15/2023 13:03	61000		5560	5560	100	ug/kg dry	AB
Antimony	05	7440-36-0	SW6020B	12/14/2023 10:45	12/15/2023 10:37	277		55.6	55.6	1	ug/kg dry	AB
Selenium	05	7782-49-2	SW6020B	12/14/2023 10:45	12/15/2023 10:37	1470		55.6	55.6	1	ug/kg dry	AB
Thallium	05	7440-28-0	SW6020B	12/14/2023 10:45	12/15/2023 10:37	134		55.6	55.6	1	ug/kg dry	AB
Vanadium	05RE1	7440-62-2	SW6020B	12/14/2023 10:45	12/15/2023 13:03	109000		27800	27800	100	ug/kg dry	AB
Zinc	05RE1	7440-66-6	SW6020B	12/14/2023 10:45	12/15/2023 13:03	107000		27800	27800	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	05	630-20-6	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,1,1-Trichloroethane	05	71-55-6	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	05	79-34-5	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,1,2-Trichloroethane	05	79-00-5	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,1-Dichloroethane	05	75-34-3	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,1-Dichloroethylene	05	75-35-4	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB

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Client Sample ID: **SC-35** **Laboratory Sample ID:** **23L0675-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	05	563-58-6	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	05	87-61-6	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,2,3-Trichloropropane	05	96-18-4	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	05	120-82-1	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	05	95-63-6	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	05	96-12-8	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	05	106-93-4	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,2-Dichlorobenzene	05	95-50-1	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,2-Dichloroethane	05	107-06-2	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,2-Dichloropropane	05	78-87-5	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	05	108-67-8	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,3-Dichlorobenzene	05	541-73-1	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,3-Dichloropropane	05	142-28-9	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,4-Dichlorobenzene	05	106-46-7	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
2,2-Dichloropropane	05	594-20-7	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
2-Butanone (MEK)	05	78-93-3	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
2-Chlorotoluene	05	95-49-8	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
2-Hexanone (MBK)	05	591-78-6	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
4-Chlorotoluene	05	106-43-4	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
4-Isopropyltoluene	05	99-87-6	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	05	108-10-1	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD	C	5.10	5.10	1	ug/kg dry	RJB
Acetone	05	67-64-1	SW8260D	12/14/2023 12:22	12/14/2023 12:22	35.9		10.2	10.2	1	ug/kg dry	RJB
Benzene	05	71-43-2	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
Bromobenzene	05	108-86-1	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB

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Client Sample ID: **SC-35** **Laboratory Sample ID:** **23L0675-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	05	74-97-5	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
Bromodichloromethane	05	75-27-4	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
Bromoform	05	75-25-2	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
Bromomethane	05	74-83-9	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD	C	5.10	5.10	1	ug/kg dry	RJB
Carbon disulfide	05	75-15-0	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
Carbon tetrachloride	05	56-23-5	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
Chlorobenzene	05	108-90-7	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
Chloroethane	05	75-00-3	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD	C	5.10	5.10	1	ug/kg dry	RJB
Chloroform	05	67-66-3	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
Chloromethane	05	74-87-3	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	05	156-59-2	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	05	10061-01-5	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
Dibromochloromethane	05	124-48-1	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
Dibromomethane	05	74-95-3	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
Dichlorodifluoromethane	05	75-71-8	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	05	108-20-3	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
Ethylbenzene	05	100-41-4	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
Hexachlorobutadiene	05	87-68-3	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
Iodomethane	05	74-88-4	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		10.2	10.2	1	ug/kg dry	RJB
Isopropylbenzene	05	98-82-8	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
m+p-Xylenes	05	179601-23-1	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
Methylene chloride	05	75-09-2	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	05	1634-04-4	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB

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Client Sample ID: **SC-35** **Laboratory Sample ID:** **23L0675-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	05	91-20-3	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
n-Butylbenzene	05	104-51-8	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
n-Propylbenzene	05	103-65-1	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
o-Xylene	05	95-47-6	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
sec-Butylbenzene	05	135-98-8	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
Styrene	05	100-42-5	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
tert-Butylbenzene	05	98-06-6	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	05	127-18-4	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD	C	5.10	5.10	1	ug/kg dry	RJB
Toluene	05	108-88-3	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	05	156-60-5	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	05	10061-02-6	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
Trichloroethylene	05	79-01-6	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
Trichlorofluoromethane	05	75-69-4	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD	C	5.10	5.10	1	ug/kg dry	RJB
Vinyl acetate	05	108-05-4	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	10.2	1	ug/kg dry	RJB
Vinyl chloride	05	75-01-4	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		5.10	5.10	1	ug/kg dry	RJB
Xylenes, Total	05	1330-20-7	SW8260D	12/14/2023 12:22	12/14/2023 12:22	BLOD		15.3	15.3	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*05*	*120 %*	*80-120*	*12/14/2023 12:22*	*12/14/2023 12:22*							*S*
Surr: 4-Bromofluorobenzene (Surr)	*05*	*94.9 %*	*85-120*	*12/14/2023 12:22*	*12/14/2023 12:22*							
Surr: Dibromofluoromethane (Surr)	*05*	*104 %*	*80-130*	*12/14/2023 12:22*	*12/14/2023 12:22*							
Surr: Toluene-d8 (Surr)	*05*	*100 %*	*85-115*	*12/14/2023 12:22*	*12/14/2023 12:22*							

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Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	05	123-91-1	SW8270E SIM	12/15/2023 08:45	12/18/2023 19:51	BLOD		3.87	3.87	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*05*	*88.3 %*	*35-100*	*12/15/2023 08:45*	*12/18/2023 19:51*							
1,2,4,5-Tetrachlorobenzene	05	95-94-3	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
1,2,4-Trichlorobenzene	05	120-82-1	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
1,2-Dichlorobenzene	05	95-50-1	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
1,2-Diphenylhydrazine	05	122-66-7	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
1,3-Dichlorobenzene	05	541-73-1	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
1,3-Dinitrobenzene	05	99-65-0	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
1,4-Dichlorobenzene	05	106-46-7	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
1-Chloronaphthalene	05	90-13-1	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
1-Naphthylamine	05	134-32-7	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
2,3,4,6-Tetrachlorophenol	05	58-90-2	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
2,4,5-Trichlorophenol	05	95-95-4	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
2,4,6-Trichlorophenol	05	88-06-2	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
2,4-Dichlorophenol	05	120-83-2	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
2,4-Dimethylphenol	05	105-67-9	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
2,4-Dinitrophenol	05	51-28-5	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
2,4-Dinitrotoluene	05	121-14-2	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
2,6-Dichlorophenol	05	87-65-0	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
2,6-Dinitrotoluene	05	606-20-2	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
2-Chloronaphthalene	05	91-58-7	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
2-Chlorophenol	05	95-57-8	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
2-Methylnaphthalene	05	91-57-6	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR

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Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-35** **Laboratory Sample ID:** **23L0675-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	05	91-59-8	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
2-Nitroaniline	05	88-74-4	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
2-Nitrophenol	05	88-75-5	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
3,3'-Dichlorobenzidine	05	91-94-1	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
3-Methylcholanthrene	05	56-49-5	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
3-Nitroaniline	05	99-09-2	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
4,6-Dinitro-2-methylphenol	05	534-52-1	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
4-Aminobiphenyl	05	92-67-1	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
4-Bromophenyl phenyl ether	05	101-55-3	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
4-Chloroaniline	05	106-47-8	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
4-Chlorophenyl phenyl ether	05	7005-72-3	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
4-Nitroaniline	05	100-01-6	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
4-Nitrophenol	05	100-02-7	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
7,12-Dimethylbenz (a) anthracene	05	57-97-6	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Acenaphthene	05	83-32-9	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Acenaphthylene	05	208-96-8	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Acetophenone	05	98-86-2	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Aniline	05	62-53-3	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Anthracene	05	120-12-7	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Benzidine	05	92-87-5	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Benzo (a) anthracene	05	56-55-3	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Benzo (a) pyrene	05	50-32-8	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Benzo (b) fluoranthene	05	205-99-2	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Benzo (g,h,i) perylene	05	191-24-2	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-35 **Laboratory Sample ID:** 23L0675-05

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	05	207-08-9	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Benzoic acid	05	65-85-0	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Benzyl alcohol	05	100-51-6	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
bis (2-Chloroethoxy) methane	05	111-91-1	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
bis (2-Chloroethyl) ether	05	111-44-4	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
2,2'-Oxybis (1-chloropropane)	05	108-60-1	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
bis (2-Ethylhexyl) phthalate	05	117-81-7	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Butyl benzyl phthalate	05	85-68-7	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Chrysene	05	218-01-9	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Dibenz (a,h) anthracene	05	53-70-3	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Dibenz (a,j) acridine	05	224-42-0	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Dibenzofuran	05	132-64-9	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Diethyl phthalate	05	84-66-2	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Dimethyl phthalate	05	131-11-3	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Di-n-butyl phthalate	05	84-74-2	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD	C	387	387	4	ug/kg dry	ZDR
Di-n-octyl phthalate	05	117-84-0	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Diphenylamine	05	122-39-4	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Ethyl methanesulfonate	05	62-50-0	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Fluoranthene	05	206-44-0	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Fluorene	05	86-73-7	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Hexachlorobenzene	05	118-74-1	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Hexachlorobutadiene	05	87-68-3	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Hexachlorocyclopentadiene	05	77-47-4	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Hexachloroethane	05	67-72-1	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR

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Client Sample ID: **SC-35** **Laboratory Sample ID:** **23L0675-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	05	193-39-5	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Isophorone	05	78-59-1	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
m+p-Cresols	05	1319-77-3	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Methyl methanesulfonate	05	66-27-3	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Naphthalene	05	91-20-3	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Nitrobenzene	05	98-95-3	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
n-Nitrosodimethylamine	05	62-75-9	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
n-Nitrosodi-n-butylamine	05	924-16-3	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
n-Nitrosodi-n-propylamine	05	621-64-7	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
n-Nitrosodiphenylamine	05	86-30-6	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
n-Nitrosopiperidine	05	100-75-4	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
o+m+p-Cresols	05	1319-77-3	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
o-Cresol	05	95-48-7	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
p-(Dimethylamino) azobenzene	05	60-11-7	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
p-Chloro-m-cresol	05	59-50-7	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Pentachloronitrobenzene (quintozene)	05	82-68-8	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Pentachlorophenol	05	87-86-5	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Phenacetin	05	62-44-2	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Phenanthrene	05	85-01-8	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Phenol	05	108-95-2	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Pronamide	05	23950-58-5	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Pyrene	05	129-00-0	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Pyridine	05	110-86-1	SW8270E	12/15/2023 08:45	12/22/2023 00:00	BLOD		387	387	4	ug/kg dry	ZDR
Surr: 2,4,6-Tribromophenol (Surr)	*05*		*16.4 %*	*15-96*	*12/15/2023 08:45*	*12/22/2023 00:00*						

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Client Sample ID: **SC-35** **Laboratory Sample ID:** **23L0675-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*05*		*20.0 %*	*19-105*	*12/15/2023 08:45*	*12/22/2023 00:00*						
Surr: 2-Fluorophenol (Surr)	*05*		*25.8 %*	*12-95*	*12/15/2023 08:45*	*12/22/2023 00:00*						
Surr: Nitrobenzene-d5 (Surr)	*05*		*25.2 %*	*21-100*	*12/15/2023 08:45*	*12/22/2023 00:00*						
Surr: Phenol-d5 (Surr)	*05*		*19.6 %*	*13-100*	*12/15/2023 08:45*	*12/22/2023 00:00*						
Surr: p-Terphenyl-d14 (Surr)	*05*		*26.8 %*	*25-125*	*12/15/2023 08:45*	*12/22/2023 00:00*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Ion Chromatography Analyses												
Sulfate	05	14808-79-8	SW9056A	12/14/2023 02:22	12/14/2023 02:22	11.3	J	2.92	11.7	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	05	7664-41-7	EPA350.1 R2.0	12/27/2023 14:31	12/27/2023 14:43	BLOD		11.5	11.5	1	mg/kg dry	SPH
Chromium, Hexavalent	05	18540-29-9	SW7199	12/19/2023 09:00	12/19/2023 22:25	2.36		0.23	0.23	1	mg/kg dry	MGC
Nitrate as N	05	14797-55-8	SW9056A	12/14/2023 02:22	12/14/2023 02:22	2.12	J	1.17	2.34	1	mg/kg dry	ATG
Percent Solids	05	NA	SM2540G-2011	12/15/2023 14:56	12/15/2023 14:56	85.6		0.10	0.10	1	%	LAM

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Client Sample ID: **SC-13** **Laboratory Sample ID:** **23L0675-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	06	7440-22-4	SW6020B	12/14/2023 10:45	12/15/2023 10:40	51.0		2.89	2.89	1	ug/kg dry	AB
Arsenic	06	7440-38-2	SW6020B	12/14/2023 10:45	12/15/2023 10:40	2200		57.8	57.8	1	ug/kg dry	AB
Barium	06RE1	7440-39-3	SW6020B	12/14/2023 10:45	12/15/2023 13:08	194000		57800	57800	100	ug/kg dry	AB
Beryllium	06RE1	7440-41-7	SW6020B	12/14/2023 10:45	12/15/2023 15:00	864		289	289	5	ug/kg dry	AB
Cadmium	06	7440-43-9	SW6020B	12/14/2023 10:45	12/15/2023 10:40	182		57.8	57.8	1	ug/kg dry	AB
Cobalt	06RE1	7440-48-4	SW6020B	12/14/2023 10:45	12/15/2023 13:08	35200		5780	5780	100	ug/kg dry	AB
Chromium	06RE1	7440-47-3	SW6020B	12/14/2023 10:45	12/15/2023 13:08	53800		5780	5780	100	ug/kg dry	AB
Copper	06RE1	7440-50-8	SW6020B	12/14/2023 10:45	12/15/2023 13:08	59300		5780	5780	100	ug/kg dry	AB
Mercury	06	7439-97-6	SW7471B	12/19/2023 10:15	12/19/2023 12:25	0.037		0.009	0.009	1	mg/kg dry	SGT
Manganese	06RE1	7439-96-5	SW6020B	12/14/2023 10:45	12/15/2023 13:08	896000		5780	5780	100	ug/kg dry	AB
Nickel	06RE1	7440-02-0	SW6020B	12/14/2023 10:45	12/15/2023 13:08	31300		5780	5780	100	ug/kg dry	AB
Lead	06	7439-92-1	SW6020B	12/14/2023 10:45	12/15/2023 10:40	17300		57.8	57.8	1	ug/kg dry	AB
Antimony	06	7440-36-0	SW6020B	12/14/2023 10:45	12/15/2023 10:40	232		57.8	57.8	1	ug/kg dry	AB
Selenium	06	7782-49-2	SW6020B	12/14/2023 10:45	12/15/2023 10:40	1810		57.8	57.8	1	ug/kg dry	AB
Thallium	06	7440-28-0	SW6020B	12/14/2023 10:45	12/15/2023 10:40	72.7		57.8	57.8	1	ug/kg dry	AB
Vanadium	06RE1	7440-62-2	SW6020B	12/14/2023 10:45	12/15/2023 13:08	116000		28900	28900	100	ug/kg dry	AB
Zinc	06RE1	7440-66-6	SW6020B	12/14/2023 10:45	12/15/2023 13:08	147000		28900	28900	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	06	630-20-6	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
1,1,1-Trichloroethane	06	71-55-6	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	06	79-34-5	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
1,1,2-Trichloroethane	06	79-00-5	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
1,1-Dichloroethane	06	75-34-3	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
1,1-Dichloroethylene	06	75-35-4	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB

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Client Sample ID: **SC-13** **Laboratory Sample ID:** **23L0675-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	06	563-58-6	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	06	87-61-6	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
1,2,3-Trichloropropane	06	96-18-4	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	06	120-82-1	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	06	95-63-6	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	06	96-12-8	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	06	106-93-4	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
1,2-Dichlorobenzene	06	95-50-1	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
1,2-Dichloroethane	06	107-06-2	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
1,2-Dichloropropane	06	78-87-5	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	06	108-67-8	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
1,3-Dichlorobenzene	06	541-73-1	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
1,3-Dichloropropane	06	142-28-9	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
1,4-Dichlorobenzene	06	106-46-7	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
2,2-Dichloropropane	06	594-20-7	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
2-Butanone (MEK)	06	78-93-3	SW8260D	12/14/2023 13:09	12/14/2023 13:09	17.2		5.54	5.54	1	ug/kg dry	RJB
2-Chlorotoluene	06	95-49-8	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
2-Hexanone (MBK)	06	591-78-6	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
4-Chlorotoluene	06	106-43-4	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
4-Isopropyltoluene	06	99-87-6	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	06	108-10-1	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD	C	5.54	5.54	1	ug/kg dry	RJB
Acetone	06	67-64-1	SW8260D	12/14/2023 13:09	12/14/2023 13:09	246		11.1	11.1	1	ug/kg dry	RJB
Benzene	06	71-43-2	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
Bromobenzene	06	108-86-1	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB

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Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-13** **Laboratory Sample ID:** **23L0675-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	06	74-97-5	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
Bromodichloromethane	06	75-27-4	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
Bromoform	06	75-25-2	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
Bromomethane	06	74-83-9	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD	C	5.54	5.54	1	ug/kg dry	RJB
Carbon disulfide	06	75-15-0	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
Carbon tetrachloride	06	56-23-5	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
Chlorobenzene	06	108-90-7	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
Chloroethane	06	75-00-3	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD	C	5.54	5.54	1	ug/kg dry	RJB
Chloroform	06	67-66-3	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
Chloromethane	06	74-87-3	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	06	156-59-2	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	06	10061-01-5	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
Dibromochloromethane	06	124-48-1	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
Dibromomethane	06	74-95-3	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
Dichlorodifluoromethane	06	75-71-8	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	06	108-20-3	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
Ethylbenzene	06	100-41-4	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
Hexachlorobutadiene	06	87-68-3	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
Iodomethane	06	74-88-4	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		11.1	11.1	1	ug/kg dry	RJB
Isopropylbenzene	06	98-82-8	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
m+p-Xylenes	06	179601-23-1	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
Methylene chloride	06	75-09-2	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	06	1634-04-4	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-13** **Laboratory Sample ID:** **23L0675-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	06	91-20-3	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
n-Butylbenzene	06	104-51-8	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
n-Propylbenzene	06	103-65-1	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
o-Xylene	06	95-47-6	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
sec-Butylbenzene	06	135-98-8	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
Styrene	06	100-42-5	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
tert-Butylbenzene	06	98-06-6	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	06	127-18-4	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD	C	5.54	5.54	1	ug/kg dry	RJB
Toluene	06	108-88-3	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	06	156-60-5	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	06	10061-02-6	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
Trichloroethylene	06	79-01-6	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
Trichlorofluoromethane	06	75-69-4	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD	C	5.54	5.54	1	ug/kg dry	RJB
Vinyl acetate	06	108-05-4	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	11.1	1	ug/kg dry	RJB
Vinyl chloride	06	75-01-4	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		5.54	5.54	1	ug/kg dry	RJB
Xylenes, Total	06	1330-20-7	SW8260D	12/14/2023 13:09	12/14/2023 13:09	BLOD		16.6	16.6	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*06*		*120 %*	*80-120*	*12/14/2023 13:09*	*12/14/2023 13:09*						*S*
Surr: 4-Bromofluorobenzene (Surr)	*06*		*94.8 %*	*85-120*	*12/14/2023 13:09*	*12/14/2023 13:09*						
Surr: Dibromofluoromethane (Surr)	*06*		*104 %*	*80-130*	*12/14/2023 13:09*	*12/14/2023 13:09*						
Surr: Toluene-d8 (Surr)	*06*		*99.0 %*	*85-115*	*12/14/2023 13:09*	*12/14/2023 13:09*						

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-13** **Laboratory Sample ID:** **23L0675-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	06	123-91-1	SW8270E SIM	12/15/2023 08:45	12/18/2023 20:18	BLOD		4.03	4.03	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*06*	*80.7 %*	*35-100*	*12/15/2023 08:45*	*12/18/2023 20:18*							
1,2,4,5-Tetrachlorobenzene	06	95-94-3	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
1,2,4-Trichlorobenzene	06	120-82-1	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
1,2-Dichlorobenzene	06	95-50-1	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
1,2-Diphenylhydrazine	06	122-66-7	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
1,3-Dichlorobenzene	06	541-73-1	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
1,3-Dinitrobenzene	06	99-65-0	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
1,4-Dichlorobenzene	06	106-46-7	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
1-Chloronaphthalene	06	90-13-1	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
1-Naphthylamine	06	134-32-7	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
2,3,4,6-Tetrachlorophenol	06	58-90-2	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
2,4,5-Trichlorophenol	06	95-95-4	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
2,4,6-Trichlorophenol	06	88-06-2	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
2,4-Dichlorophenol	06	120-83-2	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
2,4-Dimethylphenol	06	105-67-9	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
2,4-Dinitrophenol	06	51-28-5	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
2,4-Dinitrotoluene	06	121-14-2	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
2,6-Dichlorophenol	06	87-65-0	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
2,6-Dinitrotoluene	06	606-20-2	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
2-Chloronaphthalene	06	91-58-7	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
2-Chlorophenol	06	95-57-8	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
2-Methylnaphthalene	06	91-57-6	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-13 **Laboratory Sample ID:** 23L0675-06

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	06	91-59-8	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
2-Nitroaniline	06	88-74-4	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
2-Nitrophenol	06	88-75-5	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
3,3'-Dichlorobenzidine	06	91-94-1	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
3-Methylcholanthrene	06	56-49-5	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
3-Nitroaniline	06	99-09-2	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
4,6-Dinitro-2-methylphenol	06	534-52-1	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
4-Aminobiphenyl	06	92-67-1	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
4-Bromophenyl phenyl ether	06	101-55-3	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
4-Chloroaniline	06	106-47-8	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
4-Chlorophenyl phenyl ether	06	7005-72-3	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
4-Nitroaniline	06	100-01-6	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
4-Nitrophenol	06	100-02-7	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
7,12-Dimethylbenz (a) anthracene	06	57-97-6	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Acenaphthene	06	83-32-9	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Acenaphthylene	06	208-96-8	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Acetophenone	06	98-86-2	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Aniline	06	62-53-3	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Anthracene	06	120-12-7	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Benzidine	06	92-87-5	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Benzo (a) anthracene	06	56-55-3	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Benzo (a) pyrene	06	50-32-8	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Benzo (b) fluoranthene	06	205-99-2	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Benzo (g,h,i) perylene	06	191-24-2	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR

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Client Sample ID: SC-13 **Laboratory Sample ID:** 23L0675-06

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	06	207-08-9	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Benzoic acid	06	65-85-0	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Benzyl alcohol	06	100-51-6	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
bis (2-Chloroethoxy) methane	06	111-91-1	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
bis (2-Chloroethyl) ether	06	111-44-4	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
2,2'-Oxybis (1-chloropropane)	06	108-60-1	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
bis (2-Ethylhexyl) phthalate	06	117-81-7	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Butyl benzyl phthalate	06	85-68-7	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Chrysene	06	218-01-9	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Dibenz (a,h) anthracene	06	53-70-3	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Dibenz (a,j) acridine	06	224-42-0	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Dibenzofuran	06	132-64-9	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Diethyl phthalate	06	84-66-2	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Dimethyl phthalate	06	131-11-3	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Di-n-butyl phthalate	06	84-74-2	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD	C	101	101	1	ug/kg dry	ZDR
Di-n-octyl phthalate	06	117-84-0	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Diphenylamine	06	122-39-4	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Ethyl methanesulfonate	06	62-50-0	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Fluoranthene	06	206-44-0	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Fluorene	06	86-73-7	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Hexachlorobenzene	06	118-74-1	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Hexachlorobutadiene	06	87-68-3	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Hexachlorocyclopentadiene	06	77-47-4	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Hexachloroethane	06	67-72-1	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR

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Client Sample ID: **SC-13** **Laboratory Sample ID:** **23L0675-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	06	193-39-5	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Isophorone	06	78-59-1	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
m+p-Cresols	06	1319-77-3	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Methyl methanesulfonate	06	66-27-3	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Naphthalene	06	91-20-3	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Nitrobenzene	06	98-95-3	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
n-Nitrosodimethylamine	06	62-75-9	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
n-Nitrosodi-n-butylamine	06	924-16-3	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
n-Nitrosodi-n-propylamine	06	621-64-7	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
n-Nitrosodiphenylamine	06	86-30-6	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
n-Nitrosopiperidine	06	100-75-4	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
o+m+p-Cresols	06	1319-77-3	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
o-Cresol	06	95-48-7	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
p-(Dimethylamino) azobenzene	06	60-11-7	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
p-Chloro-m-cresol	06	59-50-7	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Pentachloronitrobenzene (quintozene)	06	82-68-8	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Pentachlorophenol	06	87-86-5	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Phenacetin	06	62-44-2	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Phenanthrene	06	85-01-8	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Phenol	06	108-95-2	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Pronamide	06	23950-58-5	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Pyrene	06	129-00-0	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Pyridine	06	110-86-1	SW8270E	12/15/2023 08:45	12/22/2023 00:29	BLOD		101	101	1	ug/kg dry	ZDR
Surr: 2,4,6-Tribromophenol (Surr)	*06*	*53.7 %*	*15-96*	*12/15/2023 08:45*	*12/22/2023 00:29*							

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Client Sample ID: **SC-13** **Laboratory Sample ID:** **23L0675-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*06*		*52.5 %*	*19-105*	*12/15/2023 08:45*	*12/22/2023 00:29*						
Surr: 2-Fluorophenol (Surr)	*06*		*28.8 %*	*12-95*	*12/15/2023 08:45*	*12/22/2023 00:29*						
Surr: Nitrobenzene-d5 (Surr)	*06*		*62.1 %*	*21-100*	*12/15/2023 08:45*	*12/22/2023 00:29*						
Surr: Phenol-d5 (Surr)	*06*		*60.0 %*	*13-100*	*12/15/2023 08:45*	*12/22/2023 00:29*						
Surr: p-Terphenyl-d14 (Surr)	*06*		*53.7 %*	*25-125*	*12/15/2023 08:45*	*12/22/2023 00:29*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	06	14808-79-8	SW9056A	12/14/2023 03:50	12/14/2023 03:50	11.1	J	3.02	12.1	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	06	7664-41-7	EPA350.1 R2.0	12/27/2023 14:31	12/27/2023 14:44	BLOD		11.4	11.4	1	mg/kg dry	SPH
Chromium, Hexavalent	06	18540-29-9	SW7199	12/19/2023 09:00	12/19/2023 22:51	0.86		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	06	14797-55-8	SW9056A	12/14/2023 03:50	12/14/2023 03:50	4.94		1.21	2.42	1	mg/kg dry	ATG
Percent Solids	06	NA	SM2540G-2011	12/19/2023 15:58	12/19/2023 15:58	82.7		0.10	0.10	1	%	LAM

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Client Sample ID: **SC-14** **Laboratory Sample ID:** **23L0675-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	07	7440-22-4	SW6020B	12/14/2023 10:45	12/15/2023 10:56	47.7		2.99	2.99	1	ug/kg dry	AB
Arsenic	07	7440-38-2	SW6020B	12/14/2023 10:45	12/15/2023 10:56	1880		59.8	59.8	1	ug/kg dry	AB
Barium	07RE1	7440-39-3	SW6020B	12/14/2023 10:45	12/15/2023 13:11	116000		59800	59800	100	ug/kg dry	AB
Beryllium	07	7440-41-7	SW6020B	12/14/2023 10:45	12/15/2023 10:56	406		59.8	59.8	1	ug/kg dry	AB
Cadmium	07	7440-43-9	SW6020B	12/14/2023 10:45	12/15/2023 10:56	184		59.8	59.8	1	ug/kg dry	AB
Cobalt	07	7440-48-4	SW6020B	12/14/2023 10:45	12/15/2023 10:56	9530		59.8	59.8	1	ug/kg dry	AB
Chromium	07RE1	7440-47-3	SW6020B	12/14/2023 10:45	12/15/2023 13:11	32100		5980	5980	100	ug/kg dry	AB
Copper	07RE1	7440-50-8	SW6020B	12/14/2023 10:45	12/15/2023 13:11	33000		5980	5980	100	ug/kg dry	AB
Mercury	07	7439-97-6	SW7471B	12/19/2023 10:15	12/19/2023 12:27	0.129		0.010	0.010	1	mg/kg dry	SGT
Manganese	07RE1	7439-96-5	SW6020B	12/14/2023 10:45	12/15/2023 13:11	544000		5980	5980	100	ug/kg dry	AB
Nickel	07	7440-02-0	SW6020B	12/14/2023 10:45	12/15/2023 10:56	13700		59.8	59.8	1	ug/kg dry	AB
Nickel	07RE1	7440-02-0	SW6020B	12/14/2023 10:45	12/15/2023 13:11	15700		5980	5980	100	ug/kg dry	AB
Lead	07	7439-92-1	SW6020B	12/14/2023 10:45	12/15/2023 10:56	20500		59.8	59.8	1	ug/kg dry	AB
Antimony	07	7440-36-0	SW6020B	12/14/2023 10:45	12/15/2023 10:56	72.9		59.8	59.8	1	ug/kg dry	AB
Selenium	07	7782-49-2	SW6020B	12/14/2023 10:45	12/15/2023 10:56	2120		59.8	59.8	1	ug/kg dry	AB
Thallium	07	7440-28-0	SW6020B	12/14/2023 10:45	12/15/2023 10:56	BLOD		59.8	59.8	1	ug/kg dry	AB
Vanadium	07RE1	7440-62-2	SW6020B	12/14/2023 10:45	12/15/2023 13:11	52500		29900	29900	100	ug/kg dry	AB
Zinc	07RE1	7440-66-6	SW6020B	12/14/2023 10:45	12/15/2023 13:11	83400		29900	29900	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	07	630-20-6	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,1,1-Trichloroethane	07	71-55-6	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	07	79-34-5	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,1,2-Trichloroethane	07	79-00-5	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,1-Dichloroethane	07	75-34-3	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB

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Client Sample ID: **SC-14** **Laboratory Sample ID:** **23L0675-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloroethylene	07	75-35-4	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,1-Dichloropropene	07	563-58-6	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	07	87-61-6	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,2,3-Trichloropropane	07	96-18-4	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	07	120-82-1	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	07	95-63-6	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	07	96-12-8	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	07	106-93-4	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,2-Dichlorobenzene	07	95-50-1	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,2-Dichloroethane	07	107-06-2	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,2-Dichloropropane	07	78-87-5	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	07	108-67-8	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,3-Dichlorobenzene	07	541-73-1	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,3-Dichloropropane	07	142-28-9	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,4-Dichlorobenzene	07	106-46-7	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
2,2-Dichloropropane	07	594-20-7	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
2-Butanone (MEK)	07	78-93-3	SW8260D	12/14/2023 13:32	12/14/2023 13:32	17.1		6.33	6.33	1	ug/kg dry	RJB
2-Chlorotoluene	07	95-49-8	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
2-Hexanone (MBK)	07	591-78-6	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
4-Chlorotoluene	07	106-43-4	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
4-Isopropyltoluene	07	99-87-6	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	07	108-10-1	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD	C	6.33	6.33	1	ug/kg dry	RJB
Acetone	07	67-64-1	SW8260D	12/14/2023 13:32	12/14/2023 13:32	298		12.7	12.7	1	ug/kg dry	RJB
Benzene	07	71-43-2	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromobenzene	07	108-86-1	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
Bromochloromethane	07	74-97-5	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
Bromodichloromethane	07	75-27-4	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
Bromoform	07	75-25-2	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
Bromomethane	07	74-83-9	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD	C	6.33	6.33	1	ug/kg dry	RJB
Carbon disulfide	07	75-15-0	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
Carbon tetrachloride	07	56-23-5	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
Chlorobenzene	07	108-90-7	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
Chloroethane	07	75-00-3	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD	C	6.33	6.33	1	ug/kg dry	RJB
Chloroform	07	67-66-3	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
Chloromethane	07	74-87-3	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	07	156-59-2	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	07	10061-01-5	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
Dibromochloromethane	07	124-48-1	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
Dibromomethane	07	74-95-3	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
Dichlorodifluoromethane	07	75-71-8	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	07	108-20-3	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
Ethylbenzene	07	100-41-4	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
Hexachlorobutadiene	07	87-68-3	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
Iodomethane	07	74-88-4	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		12.7	12.7	1	ug/kg dry	RJB
Isopropylbenzene	07	98-82-8	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
m+p-Xylenes	07	179601-23-1	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
Methylene chloride	07	75-09-2	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-14** **Laboratory Sample ID:** **23L0675-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Methyl-t-butyl ether (MTBE)	07	1634-04-4	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
Naphthalene	07	91-20-3	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
n-Butylbenzene	07	104-51-8	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
n-Propylbenzene	07	103-65-1	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
o-Xylene	07	95-47-6	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
sec-Butylbenzene	07	135-98-8	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
Styrene	07	100-42-5	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
tert-Butylbenzene	07	98-06-6	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	07	127-18-4	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD	C	6.33	6.33	1	ug/kg dry	RJB
Toluene	07	108-88-3	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	07	156-60-5	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	07	10061-02-6	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
Trichloroethylene	07	79-01-6	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
Trichlorofluoromethane	07	75-69-4	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD	C	6.33	6.33	1	ug/kg dry	RJB
Vinyl acetate	07	108-05-4	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	12.7	1	ug/kg dry	RJB
Vinyl chloride	07	75-01-4	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		6.33	6.33	1	ug/kg dry	RJB
Xylenes, Total	07	1330-20-7	SW8260D	12/14/2023 13:32	12/14/2023 13:32	BLOD		19.0	19.0	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*07*	*121 %*	*80-120*	*12/14/2023 13:32*	*12/14/2023 13:32*							*S*
Surr: 4-Bromofluorobenzene (Surr)	*07*	*91.3 %*	*85-120*	*12/14/2023 13:32*	*12/14/2023 13:32*							
Surr: Dibromofluoromethane (Surr)	*07*	*105 %*	*80-130*	*12/14/2023 13:32*	*12/14/2023 13:32*							
Surr: Toluene-d8 (Surr)	*07*	*96.6 %*	*85-115*	*12/14/2023 13:32*	*12/14/2023 13:32*							

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Client Sample ID: **SC-14** **Laboratory Sample ID:** **23L0675-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	07	123-91-1	SW8270E SIM	12/15/2023 08:45	12/18/2023 20:44	BLOD		4.00	4.00	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*07*	*67.7 %*	*35-100*	*12/15/2023 08:45*	*12/18/2023 20:44*							
1,2,4,5-Tetrachlorobenzene	07	95-94-3	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
1,2,4-Trichlorobenzene	07	120-82-1	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
1,2-Dichlorobenzene	07	95-50-1	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
1,2-Diphenylhydrazine	07	122-66-7	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
1,3-Dichlorobenzene	07	541-73-1	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
1,3-Dinitrobenzene	07	99-65-0	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
1,4-Dichlorobenzene	07	106-46-7	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
1-Chloronaphthalene	07	90-13-1	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
1-Naphthylamine	07	134-32-7	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
2,3,4,6-Tetrachlorophenol	07	58-90-2	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
2,4,5-Trichlorophenol	07	95-95-4	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
2,4,6-Trichlorophenol	07	88-06-2	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
2,4-Dichlorophenol	07	120-83-2	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
2,4-Dimethylphenol	07	105-67-9	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
2,4-Dinitrophenol	07	51-28-5	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
2,4-Dinitrotoluene	07	121-14-2	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
2,6-Dichlorophenol	07	87-65-0	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
2,6-Dinitrotoluene	07	606-20-2	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
2-Chloronaphthalene	07	91-58-7	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
2-Chlorophenol	07	95-57-8	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
2-Methylnaphthalene	07	91-57-6	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR

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Client Sample ID: SC-14 **Laboratory Sample ID:** 23L0675-07

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	07	91-59-8	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
2-Nitroaniline	07	88-74-4	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
2-Nitrophenol	07	88-75-5	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
3,3'-Dichlorobenzidine	07	91-94-1	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
3-Methylcholanthrene	07	56-49-5	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
3-Nitroaniline	07	99-09-2	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
4,6-Dinitro-2-methylphenol	07	534-52-1	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
4-Aminobiphenyl	07	92-67-1	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
4-Bromophenyl phenyl ether	07	101-55-3	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
4-Chloroaniline	07	106-47-8	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
4-Chlorophenyl phenyl ether	07	7005-72-3	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
4-Nitroaniline	07	100-01-6	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
4-Nitrophenol	07	100-02-7	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
7,12-Dimethylbenz (a) anthracene	07	57-97-6	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Acenaphthene	07	83-32-9	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Acenaphthylene	07	208-96-8	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Acetophenone	07	98-86-2	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Aniline	07	62-53-3	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Anthracene	07	120-12-7	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Benzidine	07	92-87-5	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Benzo (a) anthracene	07	56-55-3	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Benzo (a) pyrene	07	50-32-8	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Benzo (b) fluoranthene	07	205-99-2	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Benzo (g,h,i) perylene	07	191-24-2	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	07	207-08-9	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Benzoic acid	07	65-85-0	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Benzyl alcohol	07	100-51-6	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
bis (2-Chloroethoxy) methane	07	111-91-1	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
bis (2-Chloroethyl) ether	07	111-44-4	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
2,2'-Oxybis (1-chloropropane)	07	108-60-1	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
bis (2-Ethylhexyl) phthalate	07	117-81-7	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Butyl benzyl phthalate	07	85-68-7	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Chrysene	07	218-01-9	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Dibenz (a,h) anthracene	07	53-70-3	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Dibenz (a,j) acridine	07	224-42-0	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Dibenzofuran	07	132-64-9	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Diethyl phthalate	07	84-66-2	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Dimethyl phthalate	07	131-11-3	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Di-n-butyl phthalate	07	84-74-2	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD	C	100	100	1	ug/kg dry	ZDR
Di-n-octyl phthalate	07	117-84-0	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Diphenylamine	07	122-39-4	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Ethyl methanesulfonate	07	62-50-0	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Fluoranthene	07	206-44-0	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Fluorene	07	86-73-7	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Hexachlorobenzene	07	118-74-1	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Hexachlorobutadiene	07	87-68-3	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Hexachlorocyclopentadiene	07	77-47-4	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Hexachloroethane	07	67-72-1	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR

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Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	07	193-39-5	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Isophorone	07	78-59-1	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
m+p-Cresols	07	1319-77-3	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Methyl methanesulfonate	07	66-27-3	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Naphthalene	07	91-20-3	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Nitrobenzene	07	98-95-3	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
n-Nitrosodimethylamine	07	62-75-9	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
n-Nitrosodi-n-butylamine	07	924-16-3	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
n-Nitrosodi-n-propylamine	07	621-64-7	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
n-Nitrosodiphenylamine	07	86-30-6	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
n-Nitrosopiperidine	07	100-75-4	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
o+m+p-Cresols	07	1319-77-3	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
o-Cresol	07	95-48-7	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
p-(Dimethylamino) azobenzene	07	60-11-7	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
p-Chloro-m-cresol	07	59-50-7	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Pentachloronitrobenzene (quintozene)	07	82-68-8	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Pentachlorophenol	07	87-86-5	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Phenacetin	07	62-44-2	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Phenanthrene	07	85-01-8	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Phenol	07	108-95-2	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Pronamide	07	23950-58-5	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Pyrene	07	129-00-0	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Pyridine	07	110-86-1	SW8270E	12/15/2023 08:45	12/22/2023 00:59	BLOD		100	100	1	ug/kg dry	ZDR
Surr: 2,4,6-Tribromophenol (Surr)	*07*		*59.3 %*	*15-96*	*12/15/2023 08:45*	*12/22/2023 00:59*						

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Client Sample ID: **SC-14** **Laboratory Sample ID:** **23L0675-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*07*		*40.1 %*	*19-105*	*12/15/2023 08:45*	*12/22/2023 00:59*						
Surr: 2-Fluorophenol (Surr)	*07*		*19.4 %*	*12-95*	*12/15/2023 08:45*	*12/22/2023 00:59*						
Surr: Nitrobenzene-d5 (Surr)	*07*		*53.7 %*	*21-100*	*12/15/2023 08:45*	*12/22/2023 00:59*						
Surr: Phenol-d5 (Surr)	*07*		*18.0 %*	*13-100*	*12/15/2023 08:45*	*12/22/2023 00:59*						
Surr: p-Terphenyl-d14 (Surr)	*07*		*63.4 %*	*25-125*	*12/15/2023 08:45*	*12/22/2023 00:59*						

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Client Sample ID: **SC-14** **Laboratory Sample ID:** **23L0675-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	07	14808-79-8	SW9056A	12/14/2023 04:12	12/14/2023 04:12	187		3.02	12.1	1	mg/kg dry	ATG

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Client Sample ID: **SC-14** **Laboratory Sample ID:** **23L0675-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	07	7664-41-7	EPA350.1 R2.0	12/27/2023 14:31	12/27/2023 14:46	BLOD		11.5	11.5	1	mg/kg dry	SPH
Chromium, Hexavalent	07	18540-29-9	SW7199	12/19/2023 09:00	12/19/2023 23:18	0.53		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	07	14797-55-8	SW9056A	12/14/2023 04:12	12/14/2023 04:12	BLOD		1.21	2.42	1	mg/kg dry	ATG
Percent Solids	07	NA	SM2540G-2011	12/19/2023 15:58	12/19/2023 15:58	82.8		0.10	0.10	1	%	LAM

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Client Sample ID: **SC-25** **Laboratory Sample ID:** **23L0675-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	08	7440-22-4	SW6020B	12/14/2023 10:45	12/15/2023 11:07	19.3		2.85	2.85	1	ug/kg dry	AB
Arsenic	08	7440-38-2	SW6020B	12/14/2023 10:45	12/15/2023 11:07	1450		57.0	57.0	1	ug/kg dry	AB
Barium	08RE1	7440-39-3	SW6020B	12/14/2023 10:45	12/15/2023 13:30	161000		57000	57000	100	ug/kg dry	AB
Beryllium	08	7440-41-7	SW6020B	12/14/2023 10:45	12/15/2023 11:07	609		57.0	57.0	1	ug/kg dry	AB
Cadmium	08	7440-43-9	SW6020B	12/14/2023 10:45	12/15/2023 11:07	69.9		57.0	57.0	1	ug/kg dry	AB
Cobalt	08	7440-48-4	SW6020B	12/14/2023 10:45	12/15/2023 11:07	15000		57.0	57.0	1	ug/kg dry	AB
Chromium	08RE1	7440-47-3	SW6020B	12/14/2023 10:45	12/15/2023 13:30	47200		5700	5700	100	ug/kg dry	AB
Copper	08RE1	7440-50-8	SW6020B	12/14/2023 10:45	12/15/2023 13:30	40300		5700	5700	100	ug/kg dry	AB
Mercury	08	7439-97-6	SW7471B	12/19/2023 10:15	12/19/2023 12:29	BLOD		0.009	0.009	1	mg/kg dry	SGT
Manganese	08RE1	7439-96-5	SW6020B	12/14/2023 10:45	12/15/2023 13:30	562000		5700	5700	100	ug/kg dry	AB
Lead	08	7439-92-1	SW6020B	12/14/2023 10:45	12/15/2023 11:07	4950		57.0	57.0	1	ug/kg dry	AB
Antimony	08	7440-36-0	SW6020B	12/14/2023 10:45	12/15/2023 11:07	BLOD		57.0	57.0	1	ug/kg dry	AB
Selenium	08	7782-49-2	SW6020B	12/14/2023 10:45	12/15/2023 11:07	1240		57.0	57.0	1	ug/kg dry	AB
Thallium	08	7440-28-0	SW6020B	12/14/2023 10:45	12/15/2023 11:07	98.6		57.0	57.0	1	ug/kg dry	AB
Vanadium	08RE1	7440-62-2	SW6020B	12/14/2023 10:45	12/15/2023 13:30	67200		28500	28500	100	ug/kg dry	AB
Zinc	08RE1	7440-66-6	SW6020B	12/14/2023 10:45	12/15/2023 13:30	54900		28500	28500	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	08	630-20-6	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
1,1,1-Trichloroethane	08	71-55-6	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	08	79-34-5	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
1,1,2-Trichloroethane	08	79-00-5	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
1,1-Dichloroethane	08	75-34-3	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
1,1-Dichloroethylene	08	75-35-4	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
1,1-Dichloropropene	08	563-58-6	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB

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Client Sample ID: **SC-25** **Laboratory Sample ID:** **23L0675-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,2,3-Trichlorobenzene	08	87-61-6	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
1,2,3-Trichloropropane	08	96-18-4	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	08	120-82-1	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	08	95-63-6	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	08	96-12-8	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	08	106-93-4	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
1,2-Dichlorobenzene	08	95-50-1	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
1,2-Dichloroethane	08	107-06-2	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
1,2-Dichloropropane	08	78-87-5	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	08	108-67-8	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
1,3-Dichlorobenzene	08	541-73-1	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
1,3-Dichloropropane	08	142-28-9	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
1,4-Dichlorobenzene	08	106-46-7	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
2,2-Dichloropropane	08	594-20-7	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
2-Butanone (MEK)	08	78-93-3	SW8260D	12/14/2023 13:55	12/14/2023 13:55	9.19		6.60	6.60	1	ug/kg dry	RJB
2-Chlorotoluene	08	95-49-8	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
2-Hexanone (MBK)	08	591-78-6	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
4-Chlorotoluene	08	106-43-4	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
4-Isopropyltoluene	08	99-87-6	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	08	108-10-1	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD	C	6.60	6.60	1	ug/kg dry	RJB
Acetone	08	67-64-1	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		13.2	13.2	1	ug/kg dry	RJB
Benzene	08	71-43-2	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
Bromobenzene	08	108-86-1	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
Bromochloromethane	08	74-97-5	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB

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Client Sample ID: **SC-25** **Laboratory Sample ID:** **23L0675-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromodichloromethane	08	75-27-4	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
Bromoform	08	75-25-2	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
Bromomethane	08	74-83-9	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD	C	6.60	6.60	1	ug/kg dry	RJB
Carbon disulfide	08	75-15-0	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
Carbon tetrachloride	08	56-23-5	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
Chlorobenzene	08	108-90-7	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
Chloroethane	08	75-00-3	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD	C	6.60	6.60	1	ug/kg dry	RJB
Chloroform	08	67-66-3	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
Chloromethane	08	74-87-3	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	08	156-59-2	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	08	10061-01-5	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
Dibromochloromethane	08	124-48-1	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
Dibromomethane	08	74-95-3	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
Dichlorodifluoromethane	08	75-71-8	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	08	108-20-3	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
Ethylbenzene	08	100-41-4	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
Hexachlorobutadiene	08	87-68-3	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
Iodomethane	08	74-88-4	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		13.2	13.2	1	ug/kg dry	RJB
Isopropylbenzene	08	98-82-8	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
m+p-Xylenes	08	179601-23-1	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
Methylene chloride	08	75-09-2	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	08	1634-04-4	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
Naphthalene	08	91-20-3	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
n-Butylbenzene	08	104-51-8	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
n-Propylbenzene	08	103-65-1	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
o-Xylene	08	95-47-6	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
sec-Butylbenzene	08	135-98-8	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
Styrene	08	100-42-5	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
tert-Butylbenzene	08	98-06-6	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	08	127-18-4	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD	C	6.60	6.60	1	ug/kg dry	RJB
Toluene	08	108-88-3	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	08	156-60-5	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	08	10061-02-6	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
Trichloroethylene	08	79-01-6	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
Trichlorofluoromethane	08	75-69-4	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD	C	6.60	6.60	1	ug/kg dry	RJB
Vinyl acetate	08	108-05-4	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	13.2	1	ug/kg dry	RJB
Vinyl chloride	08	75-01-4	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		6.60	6.60	1	ug/kg dry	RJB
Xylenes, Total	08	1330-20-7	SW8260D	12/14/2023 13:55	12/14/2023 13:55	BLOD		19.8	19.8	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*08*	*119 %*	*80-120*	*12/14/2023 13:55*	*12/14/2023 13:55*							
Surr: 4-Bromofluorobenzene (Surr)	*08*	*94.5 %*	*85-120*	*12/14/2023 13:55*	*12/14/2023 13:55*							
Surr: Dibromofluoromethane (Surr)	*08*	*105 %*	*80-130*	*12/14/2023 13:55*	*12/14/2023 13:55*							
Surr: Toluene-d8 (Surr)	*08*	*99.4 %*	*85-115*	*12/14/2023 13:55*	*12/14/2023 13:55*							

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-25** **Laboratory Sample ID:** **23L0675-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	08	123-91-1	SW8270E SIM	12/15/2023 08:45	12/18/2023 14:10	BLOD		3.88	3.88	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*08*	*79.1 %*	*35-100*	*12/15/2023 08:45*	*12/18/2023 14:10*							
1,2,4,5-Tetrachlorobenzene	08	95-94-3	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
1,2,4-Trichlorobenzene	08	120-82-1	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
1,2-Dichlorobenzene	08	95-50-1	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
1,2-Diphenylhydrazine	08	122-66-7	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
1,3-Dichlorobenzene	08	541-73-1	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
1,3-Dinitrobenzene	08	99-65-0	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
1,4-Dichlorobenzene	08	106-46-7	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
1-Chloronaphthalene	08	90-13-1	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
1-Naphthylamine	08	134-32-7	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	08	58-90-2	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
2,4,5-Trichlorophenol	08	95-95-4	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
2,4,6-Trichlorophenol	08	88-06-2	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
2,4-Dichlorophenol	08	120-83-2	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
2,4-Dimethylphenol	08	105-67-9	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
2,4-Dinitrophenol	08	51-28-5	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
2,4-Dinitrotoluene	08	121-14-2	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
2,6-Dichlorophenol	08	87-65-0	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
2,6-Dinitrotoluene	08	606-20-2	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
2-Chloronaphthalene	08	91-58-7	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
2-Chlorophenol	08	95-57-8	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
2-Methylnaphthalene	08	91-57-6	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS

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Client Sample ID: **SC-25** **Laboratory Sample ID:** **23L0675-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	08	91-59-8	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
2-Nitroaniline	08	88-74-4	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
2-Nitrophenol	08	88-75-5	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
3,3'-Dichlorobenzidine	08	91-94-1	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
3-Methylcholanthrene	08	56-49-5	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
3-Nitroaniline	08	99-09-2	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	08	534-52-1	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
4-Aminobiphenyl	08	92-67-1	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
4-Bromophenyl phenyl ether	08	101-55-3	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
4-Chloroaniline	08	106-47-8	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	08	7005-72-3	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
4-Nitroaniline	08	100-01-6	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
4-Nitrophenol	08	100-02-7	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	08	57-97-6	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Acenaphthene	08	83-32-9	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Acenaphthylene	08	208-96-8	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Acetophenone	08	98-86-2	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Aniline	08	62-53-3	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Anthracene	08	120-12-7	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Benzidine	08	92-87-5	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Benzo (a) anthracene	08	56-55-3	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Benzo (a) pyrene	08	50-32-8	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Benzo (b) fluoranthene	08	205-99-2	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Benzo (g,h,i) perylene	08	191-24-2	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-25 **Laboratory Sample ID:** 23L0675-08

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	08	207-08-9	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Benzoic acid	08	65-85-0	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Benzyl alcohol	08	100-51-6	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	08	111-91-1	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
bis (2-Chloroethyl) ether	08	111-44-4	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	08	108-60-1	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	08	117-81-7	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Butyl benzyl phthalate	08	85-68-7	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Chrysene	08	218-01-9	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Dibenz (a,h) anthracene	08	53-70-3	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Dibenz (a,j) acridine	08	224-42-0	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Dibenzofuran	08	132-64-9	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Diethyl phthalate	08	84-66-2	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Dimethyl phthalate	08	131-11-3	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Di-n-butyl phthalate	08	84-74-2	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Di-n-octyl phthalate	08	117-84-0	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Diphenylamine	08	122-39-4	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Ethyl methanesulfonate	08	62-50-0	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Fluoranthene	08	206-44-0	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Fluorene	08	86-73-7	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Hexachlorobenzene	08	118-74-1	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Hexachlorobutadiene	08	87-68-3	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Hexachlorocyclopentadiene	08	77-47-4	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Hexachloroethane	08	67-72-1	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS

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Client Sample ID: **SC-25** **Laboratory Sample ID:** **23L0675-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	08	193-39-5	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Isophorone	08	78-59-1	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
m+p-Cresols	08	1319-77-3	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Methyl methanesulfonate	08	66-27-3	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Naphthalene	08	91-20-3	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Nitrobenzene	08	98-95-3	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
n-Nitrosodimethylamine	08	62-75-9	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	08	924-16-3	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	08	621-64-7	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
n-Nitrosodiphenylamine	08	86-30-6	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
n-Nitrosopiperidine	08	100-75-4	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
o+m+p-Cresols	08	1319-77-3	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
o-Cresol	08	95-48-7	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	08	60-11-7	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
p-Chloro-m-cresol	08	59-50-7	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	08	82-68-8	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Pentachlorophenol	08	87-86-5	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD	C	97.2	97.2	1	ug/kg dry	BMS
Phenacetin	08	62-44-2	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Phenanthrene	08	85-01-8	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Phenol	08	108-95-2	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Pronamide	08	23950-58-5	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Pyrene	08	129-00-0	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Pyridine	08	110-86-1	SW8270E	12/15/2023 08:45	12/18/2023 14:18	BLOD		97.2	97.2	1	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*08*	*42.6 %*	*15-96*	*12/15/2023 08:45*	*12/18/2023 14:18*							

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*08*		*47.0 %*	*19-105*	*12/15/2023 08:45*	*12/18/2023 14:18*						
Surr: 2-Fluorophenol (Surr)	*08*		*50.2 %*	*12-95*	*12/15/2023 08:45*	*12/18/2023 14:18*						
Surr: Nitrobenzene-d5 (Surr)	*08*		*51.7 %*	*21-100*	*12/15/2023 08:45*	*12/18/2023 14:18*						
Surr: Phenol-d5 (Surr)	*08*		*43.6 %*	*13-100*	*12/15/2023 08:45*	*12/18/2023 14:18*						
Surr: p-Terphenyl-d14 (Surr)	*08*		*44.6 %*	*25-125*	*12/15/2023 08:45*	*12/18/2023 14:18*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	08	14808-79-8	SW9056A	12/14/2023 04:34	12/14/2023 04:34	7.09	J	2.94	11.8	1	mg/kg dry	ATG

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Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-25** **Laboratory Sample ID:** **23L0675-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	08	7664-41-7	EPA350.1 R2.0	12/27/2023 14:31	12/27/2023 14:48	19.2		11.3	11.3	1	mg/kg dry	SPH
Chromium, Hexavalent	08	18540-29-9	SW7199	12/19/2023 09:00	12/19/2023 23:45	0.35		0.23	0.23	1	mg/kg dry	MGC
Nitrate as N	08	14797-55-8	SW9056A	12/14/2023 04:34	12/14/2023 04:34	BLOD		1.18	2.36	1	mg/kg dry	ATG
Percent Solids	08	NA	SM2540G-2011	12/19/2023 15:58	12/19/2023 15:58	84.9		0.10	0.10	1	%	LAM

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-24** **Laboratory Sample ID:** **23L0675-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	09	7440-22-4	SW6020B	12/14/2023 10:45	12/15/2023 11:10	94.1		3.01	3.01	1	ug/kg dry	AB
Arsenic	09	7440-38-2	SW6020B	12/14/2023 10:45	12/15/2023 11:10	2260		60.2	60.2	1	ug/kg dry	AB
Barium	09RE1	7440-39-3	SW6020B	12/14/2023 10:45	12/15/2023 13:33	70000		60200	60200	100	ug/kg dry	AB
Beryllium	09	7440-41-7	SW6020B	12/14/2023 10:45	12/15/2023 11:10	461		60.2	60.2	1	ug/kg dry	AB
Cadmium	09	7440-43-9	SW6020B	12/14/2023 10:45	12/15/2023 11:10	76.2		60.2	60.2	1	ug/kg dry	AB
Cobalt	09	7440-48-4	SW6020B	12/14/2023 10:45	12/15/2023 11:10	10600		60.2	60.2	1	ug/kg dry	AB
Chromium	09RE1	7440-47-3	SW6020B	12/14/2023 10:45	12/15/2023 13:33	29400		6020	6020	100	ug/kg dry	AB
Copper	09RE1	7440-50-8	SW6020B	12/14/2023 10:45	12/15/2023 13:33	34900		6020	6020	100	ug/kg dry	AB
Mercury	09	7439-97-6	SW7471B	12/19/2023 10:15	12/19/2023 12:32	0.084		0.010	0.010	1	mg/kg dry	SGT
Manganese	09RE1	7439-96-5	SW6020B	12/14/2023 10:45	12/15/2023 13:33	289000		6020	6020	100	ug/kg dry	AB
Nickel	09	7440-02-0	SW6020B	12/14/2023 10:45	12/15/2023 11:10	9790		60.2	60.2	1	ug/kg dry	AB
Lead	09	7439-92-1	SW6020B	12/14/2023 10:45	12/15/2023 11:10	17900		60.2	60.2	1	ug/kg dry	AB
Antimony	09	7440-36-0	SW6020B	12/14/2023 10:45	12/15/2023 11:10	73.5		60.2	60.2	1	ug/kg dry	AB
Selenium	09	7782-49-2	SW6020B	12/14/2023 10:45	12/15/2023 11:10	1230		60.2	60.2	1	ug/kg dry	AB
Thallium	09	7440-28-0	SW6020B	12/14/2023 10:45	12/15/2023 11:10	92.0		60.2	60.2	1	ug/kg dry	AB
Vanadium	09RE1	7440-62-2	SW6020B	12/14/2023 10:45	12/15/2023 13:33	67100		30100	30100	100	ug/kg dry	AB
Zinc	09RE1	7440-66-6	SW6020B	12/14/2023 10:45	12/15/2023 13:33	67400		30100	30100	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	09	630-20-6	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
1,1,1-Trichloroethane	09	71-55-6	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	09	79-34-5	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
1,1,2-Trichloroethane	09	79-00-5	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
1,1-Dichloroethane	09	75-34-3	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
1,1-Dichloroethylene	09	75-35-4	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB

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Client Site I.D.: Southside Park Landfill
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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-24** **Laboratory Sample ID:** **23L0675-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	09	563-58-6	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	09	87-61-6	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
1,2,3-Trichloropropane	09	96-18-4	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	09	120-82-1	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	09	95-63-6	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	09	96-12-8	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	09	106-93-4	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
1,2-Dichlorobenzene	09	95-50-1	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
1,2-Dichloroethane	09	107-06-2	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
1,2-Dichloropropane	09	78-87-5	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	09	108-67-8	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
1,3-Dichlorobenzene	09	541-73-1	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
1,3-Dichloropropane	09	142-28-9	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
1,4-Dichlorobenzene	09	106-46-7	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
2,2-Dichloropropane	09	594-20-7	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
2-Butanone (MEK)	09	78-93-3	SW8260D	12/14/2023 14:19	12/14/2023 14:19	10.5		5.17	5.17	1	ug/kg dry	RJB
2-Chlorotoluene	09	95-49-8	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
2-Hexanone (MBK)	09	591-78-6	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
4-Chlorotoluene	09	106-43-4	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
4-Isopropyltoluene	09	99-87-6	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	09	108-10-1	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD	C	5.17	5.17	1	ug/kg dry	RJB
Acetone	09	67-64-1	SW8260D	12/14/2023 14:19	12/14/2023 14:19	156		10.3	10.3	1	ug/kg dry	RJB
Benzene	09	71-43-2	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
Bromobenzene	09	108-86-1	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB

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Client Sample ID: **SC-24** **Laboratory Sample ID:** **23L0675-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	09	74-97-5	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
Bromodichloromethane	09	75-27-4	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
Bromoform	09	75-25-2	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
Bromomethane	09	74-83-9	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD	C	5.17	5.17	1	ug/kg dry	RJB
Carbon disulfide	09	75-15-0	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
Carbon tetrachloride	09	56-23-5	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
Chlorobenzene	09	108-90-7	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
Chloroethane	09	75-00-3	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD	C	5.17	5.17	1	ug/kg dry	RJB
Chloroform	09	67-66-3	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
Chloromethane	09	74-87-3	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	09	156-59-2	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	09	10061-01-5	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
Dibromochloromethane	09	124-48-1	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
Dibromomethane	09	74-95-3	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
Dichlorodifluoromethane	09	75-71-8	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	09	108-20-3	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
Ethylbenzene	09	100-41-4	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
Hexachlorobutadiene	09	87-68-3	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
Iodomethane	09	74-88-4	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		10.3	10.3	1	ug/kg dry	RJB
Isopropylbenzene	09	98-82-8	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
m+p-Xylenes	09	179601-23-1	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
Methylene chloride	09	75-09-2	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	09	1634-04-4	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB

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Client Sample ID: **SC-24** **Laboratory Sample ID:** **23L0675-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	09	91-20-3	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
n-Butylbenzene	09	104-51-8	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
n-Propylbenzene	09	103-65-1	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
o-Xylene	09	95-47-6	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
sec-Butylbenzene	09	135-98-8	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
Styrene	09	100-42-5	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
tert-Butylbenzene	09	98-06-6	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	09	127-18-4	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD	C	5.17	5.17	1	ug/kg dry	RJB
Toluene	09	108-88-3	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	09	156-60-5	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	09	10061-02-6	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
Trichloroethylene	09	79-01-6	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
Trichlorofluoromethane	09	75-69-4	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD	C	5.17	5.17	1	ug/kg dry	RJB
Vinyl acetate	09	108-05-4	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	10.3	1	ug/kg dry	RJB
Vinyl chloride	09	75-01-4	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		5.17	5.17	1	ug/kg dry	RJB
Xylenes, Total	09	1330-20-7	SW8260D	12/14/2023 14:19	12/14/2023 14:19	BLOD		15.5	15.5	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*09*		*118 %*	*80-120*	*12/14/2023 14:19*	*12/14/2023 14:19*						
Surr: 4-Bromofluorobenzene (Surr)	*09*		*96.3 %*	*85-120*	*12/14/2023 14:19*	*12/14/2023 14:19*						
Surr: Dibromofluoromethane (Surr)	*09*		*104 %*	*80-130*	*12/14/2023 14:19*	*12/14/2023 14:19*						
Surr: Toluene-d8 (Surr)	*09*		*99.6 %*	*85-115*	*12/14/2023 14:19*	*12/14/2023 14:19*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	09	123-91-1	SW8270E SIM	12/15/2023 08:45	12/18/2023 21:11	BLOD		4.03	4.03	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*09*	*73.2 %*	*35-100*	*12/15/2023 08:45*	*12/18/2023 21:11*							
1,2,4,5-Tetrachlorobenzene	09	95-94-3	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
1,2,4-Trichlorobenzene	09	120-82-1	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
1,2-Dichlorobenzene	09	95-50-1	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
1,2-Diphenylhydrazine	09	122-66-7	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
1,3-Dichlorobenzene	09	541-73-1	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
1,3-Dinitrobenzene	09	99-65-0	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
1,4-Dichlorobenzene	09	106-46-7	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
1-Chloronaphthalene	09	90-13-1	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
1-Naphthylamine	09	134-32-7	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
2,3,4,6-Tetrachlorophenol	09	58-90-2	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
2,4,5-Trichlorophenol	09	95-95-4	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
2,4,6-Trichlorophenol	09	88-06-2	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
2,4-Dichlorophenol	09	120-83-2	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
2,4-Dimethylphenol	09	105-67-9	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
2,4-Dinitrophenol	09	51-28-5	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
2,4-Dinitrotoluene	09	121-14-2	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
2,6-Dichlorophenol	09	87-65-0	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
2,6-Dinitrotoluene	09	606-20-2	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
2-Chloronaphthalene	09	91-58-7	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
2-Chlorophenol	09	95-57-8	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
2-Methylnaphthalene	09	91-57-6	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-24** **Laboratory Sample ID:** **23L0675-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	09	91-59-8	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
2-Nitroaniline	09	88-74-4	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
2-Nitrophenol	09	88-75-5	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
3,3'-Dichlorobenzidine	09	91-94-1	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
3-Methylcholanthrene	09	56-49-5	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
3-Nitroaniline	09	99-09-2	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
4,6-Dinitro-2-methylphenol	09	534-52-1	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
4-Aminobiphenyl	09	92-67-1	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
4-Bromophenyl phenyl ether	09	101-55-3	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
4-Chloroaniline	09	106-47-8	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
4-Chlorophenyl phenyl ether	09	7005-72-3	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
4-Nitroaniline	09	100-01-6	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
4-Nitrophenol	09	100-02-7	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
7,12-Dimethylbenz (a) anthracene	09	57-97-6	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Acenaphthene	09	83-32-9	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Acenaphthylene	09	208-96-8	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Acetophenone	09	98-86-2	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Aniline	09	62-53-3	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Anthracene	09	120-12-7	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Benzidine	09	92-87-5	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Benzo (a) anthracene	09	56-55-3	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Benzo (a) pyrene	09	50-32-8	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Benzo (b) fluoranthene	09	205-99-2	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Benzo (g,h,i) perylene	09	191-24-2	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR

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Client Sample ID: **SC-24** **Laboratory Sample ID:** **23L0675-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	09	207-08-9	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Benzoic acid	09	65-85-0	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Benzyl alcohol	09	100-51-6	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
bis (2-Chloroethoxy) methane	09	111-91-1	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
bis (2-Chloroethyl) ether	09	111-44-4	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
2,2'-Oxybis (1-chloropropane)	09	108-60-1	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
bis (2-Ethylhexyl) phthalate	09	117-81-7	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Butyl benzyl phthalate	09	85-68-7	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Chrysene	09	218-01-9	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Dibenz (a,h) anthracene	09	53-70-3	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Dibenz (a,j) acridine	09	224-42-0	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Dibenzofuran	09	132-64-9	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Diethyl phthalate	09	84-66-2	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Dimethyl phthalate	09	131-11-3	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Di-n-butyl phthalate	09	84-74-2	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD	C	101	101	1	ug/kg dry	ZDR
Di-n-octyl phthalate	09	117-84-0	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Diphenylamine	09	122-39-4	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Ethyl methanesulfonate	09	62-50-0	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Fluoranthene	09	206-44-0	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Fluorene	09	86-73-7	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Hexachlorobenzene	09	118-74-1	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Hexachlorobutadiene	09	87-68-3	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Hexachlorocyclopentadiene	09	77-47-4	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Hexachloroethane	09	67-72-1	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR

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Client Sample ID: **SC-24** **Laboratory Sample ID:** **23L0675-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	09	193-39-5	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Isophorone	09	78-59-1	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
m+p-Cresols	09	1319-77-3	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Methyl methanesulfonate	09	66-27-3	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Naphthalene	09	91-20-3	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Nitrobenzene	09	98-95-3	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
n-Nitrosodimethylamine	09	62-75-9	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
n-Nitrosodi-n-butylamine	09	924-16-3	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
n-Nitrosodi-n-propylamine	09	621-64-7	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
n-Nitrosodiphenylamine	09	86-30-6	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
n-Nitrosopiperidine	09	100-75-4	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
o+m+p-Cresols	09	1319-77-3	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
o-Cresol	09	95-48-7	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
p-(Dimethylamino) azobenzene	09	60-11-7	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
p-Chloro-m-cresol	09	59-50-7	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Pentachloronitrobenzene (quintozene)	09	82-68-8	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Pentachlorophenol	09	87-86-5	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Phenacetin	09	62-44-2	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Phenanthrene	09	85-01-8	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Phenol	09	108-95-2	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Pronamide	09	23950-58-5	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Pyrene	09	129-00-0	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Pyridine	09	110-86-1	SW8270E	12/15/2023 08:45	12/22/2023 01:28	BLOD		101	101	1	ug/kg dry	ZDR
Surr: 2,4,6-Tribromophenol (Surr)	*09*	*68.0 %*	*15-96*	*12/15/2023 08:45*	*12/22/2023 01:28*							

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*09*		*46.8 %*	*19-105*	*12/15/2023 08:45*	*12/22/2023 01:28*						
Surr: 2-Fluorophenol (Surr)	*09*		*51.9 %*	*12-95*	*12/15/2023 08:45*	*12/22/2023 01:28*						
Surr: Nitrobenzene-d5 (Surr)	*09*		*68.1 %*	*21-100*	*12/15/2023 08:45*	*12/22/2023 01:28*						
Surr: Phenol-d5 (Surr)	*09*		*51.9 %*	*13-100*	*12/15/2023 08:45*	*12/22/2023 01:28*						
Surr: p-Terphenyl-d14 (Surr)	*09*		*69.1 %*	*25-125*	*12/15/2023 08:45*	*12/22/2023 01:28*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	09	14808-79-8	SW9056A	12/14/2023 04:56	12/14/2023 04:56	76.8		3.09	12.4	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	09	7664-41-7	EPA350.1 R2.0	12/27/2023 14:31	12/27/2023 14:50	BLOD		11.7	11.7	1	mg/kg dry	SPH
Chromium, Hexavalent	09	18540-29-9	SW7199	12/19/2023 09:00	12/20/2023 00:11	0.57		0.25	0.25	1	mg/kg dry	MGC
Nitrate as N	09	14797-55-8	SW9056A	12/14/2023 04:56	12/14/2023 04:56	2.91		1.24	2.47	1	mg/kg dry	ATG
Percent Solids	09	NA	SM2540G-2011	12/19/2023 15:58	12/19/2023 15:58	80.9		0.10	0.10	1	%	LAM

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	10	7440-22-4	SW6020B	12/14/2023 10:45	12/15/2023 11:13	36.0		2.90	2.90	1	ug/kg dry	AB
Arsenic	10	7440-38-2	SW6020B	12/14/2023 10:45	12/15/2023 11:13	3030		58.1	58.1	1	ug/kg dry	AB
Barium	10RE1	7440-39-3	SW6020B	12/14/2023 10:45	12/15/2023 13:38	96600		58100	58100	100	ug/kg dry	AB
Beryllium	10RE1	7440-41-7	SW6020B	12/14/2023 10:45	12/15/2023 15:03	694		290	290	5	ug/kg dry	AB
Cadmium	10	7440-43-9	SW6020B	12/14/2023 10:45	12/15/2023 11:13	321		58.1	58.1	1	ug/kg dry	AB
Cobalt	10	7440-48-4	SW6020B	12/14/2023 10:45	12/15/2023 11:13	12400		58.1	58.1	1	ug/kg dry	AB
Chromium	10RE1	7440-47-3	SW6020B	12/14/2023 10:45	12/15/2023 13:38	85400		5810	5810	100	ug/kg dry	AB
Copper	10RE1	7440-50-8	SW6020B	12/14/2023 10:45	12/15/2023 13:38	49400		5810	5810	100	ug/kg dry	AB
Mercury	10	7439-97-6	SW7471B	12/19/2023 10:15	12/19/2023 12:34	0.166		0.009	0.009	1	mg/kg dry	SGT
Manganese	10RE1	7439-96-5	SW6020B	12/14/2023 10:45	12/15/2023 13:38	415000		5810	5810	100	ug/kg dry	AB
Nickel	10	7440-02-0	SW6020B	12/14/2023 10:45	12/15/2023 11:13	14900		58.1	58.1	1	ug/kg dry	AB
Lead	10RE1	7439-92-1	SW6020B	12/14/2023 10:45	12/15/2023 13:38	40000		5810	5810	100	ug/kg dry	AB
Antimony	10	7440-36-0	SW6020B	12/14/2023 10:45	12/15/2023 11:13	102		58.1	58.1	1	ug/kg dry	AB
Selenium	10	7782-49-2	SW6020B	12/14/2023 10:45	12/15/2023 11:13	2280		58.1	58.1	1	ug/kg dry	AB
Thallium	10	7440-28-0	SW6020B	12/14/2023 10:45	12/15/2023 11:13	91.9		58.1	58.1	1	ug/kg dry	AB
Vanadium	10RE1	7440-62-2	SW6020B	12/14/2023 10:45	12/15/2023 13:38	98300		29000	29000	100	ug/kg dry	AB
Zinc	10RE1	7440-66-6	SW6020B	12/14/2023 10:45	12/15/2023 13:38	71400		29000	29000	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	10	630-20-6	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
1,1,1-Trichloroethane	10	71-55-6	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	10	79-34-5	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
1,1,2-Trichloroethane	10	79-00-5	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
1,1-Dichloroethane	10	75-34-3	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
1,1-Dichloroethylene	10	75-35-4	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB

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Client Sample ID: **SC-44** **Laboratory Sample ID:** **23L0675-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	10	563-58-6	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	10	87-61-6	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
1,2,3-Trichloropropane	10	96-18-4	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	10	120-82-1	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	10	95-63-6	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	10	96-12-8	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	10	106-93-4	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
1,2-Dichlorobenzene	10	95-50-1	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
1,2-Dichloroethane	10	107-06-2	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
1,2-Dichloropropane	10	78-87-5	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	10	108-67-8	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
1,3-Dichlorobenzene	10	541-73-1	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
1,3-Dichloropropane	10	142-28-9	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
1,4-Dichlorobenzene	10	106-46-7	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
2,2-Dichloropropane	10	594-20-7	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
2-Butanone (MEK)	10	78-93-3	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
2-Chlorotoluene	10	95-49-8	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
2-Hexanone (MBK)	10	591-78-6	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
4-Chlorotoluene	10	106-43-4	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
4-Isopropyltoluene	10	99-87-6	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	10	108-10-1	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD	C	6.25	6.25	1	ug/kg dry	RJB
Acetone	10	67-64-1	SW8260D	12/14/2023 14:42	12/14/2023 14:42	105		12.5	12.5	1	ug/kg dry	RJB
Benzene	10	71-43-2	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
Bromobenzene	10	108-86-1	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-44** **Laboratory Sample ID:** **23L0675-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	10	74-97-5	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
Bromodichloromethane	10	75-27-4	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
Bromoform	10	75-25-2	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
Bromomethane	10	74-83-9	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD	C	6.25	6.25	1	ug/kg dry	RJB
Carbon disulfide	10	75-15-0	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
Carbon tetrachloride	10	56-23-5	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
Chlorobenzene	10	108-90-7	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
Chloroethane	10	75-00-3	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD	C	6.25	6.25	1	ug/kg dry	RJB
Chloroform	10	67-66-3	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
Chloromethane	10	74-87-3	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	10	156-59-2	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	10	10061-01-5	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
Dibromochloromethane	10	124-48-1	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
Dibromomethane	10	74-95-3	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
Dichlorodifluoromethane	10	75-71-8	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	10	108-20-3	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
Ethylbenzene	10	100-41-4	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
Hexachlorobutadiene	10	87-68-3	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
Iodomethane	10	74-88-4	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		12.5	12.5	1	ug/kg dry	RJB
Isopropylbenzene	10	98-82-8	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
m+p-Xylenes	10	179601-23-1	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
Methylene chloride	10	75-09-2	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	10	1634-04-4	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB

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Client Sample ID: **SC-44** **Laboratory Sample ID:** **23L0675-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	10	91-20-3	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
n-Butylbenzene	10	104-51-8	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
n-Propylbenzene	10	103-65-1	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
o-Xylene	10	95-47-6	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
sec-Butylbenzene	10	135-98-8	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
Styrene	10	100-42-5	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
tert-Butylbenzene	10	98-06-6	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	10	127-18-4	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD	C	6.25	6.25	1	ug/kg dry	RJB
Toluene	10	108-88-3	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	10	156-60-5	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	10	10061-02-6	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
Trichloroethylene	10	79-01-6	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
Trichlorofluoromethane	10	75-69-4	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD	C	6.25	6.25	1	ug/kg dry	RJB
Vinyl acetate	10	108-05-4	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	12.5	1	ug/kg dry	RJB
Vinyl chloride	10	75-01-4	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		6.25	6.25	1	ug/kg dry	RJB
Xylenes, Total	10	1330-20-7	SW8260D	12/14/2023 14:42	12/14/2023 14:42	BLOD		18.7	18.7	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*10*		*120 %*	*80-120*	*12/14/2023 14:42*	*12/14/2023 14:42*						
Surr: 4-Bromofluorobenzene (Surr)	*10*		*96.4 %*	*85-120*	*12/14/2023 14:42*	*12/14/2023 14:42*						
Surr: Dibromofluoromethane (Surr)	*10*		*104 %*	*80-130*	*12/14/2023 14:42*	*12/14/2023 14:42*						
Surr: Toluene-d8 (Surr)	*10*		*99.8 %*	*85-115*	*12/14/2023 14:42*	*12/14/2023 14:42*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	10	123-91-1	SW8270E SIM	12/15/2023 08:45	12/18/2023 21:38	BLOD		4.00	4.00	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*10*	*85.3 %*	*35-100*	*12/15/2023 08:45*	*12/18/2023 21:38*							
1,2,4,5-Tetrachlorobenzene	10	95-94-3	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
1,2,4-Trichlorobenzene	10	120-82-1	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
1,2-Dichlorobenzene	10	95-50-1	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
1,2-Diphenylhydrazine	10	122-66-7	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
1,3-Dichlorobenzene	10	541-73-1	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
1,3-Dinitrobenzene	10	99-65-0	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
1,4-Dichlorobenzene	10	106-46-7	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
1-Chloronaphthalene	10	90-13-1	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
1-Naphthylamine	10	134-32-7	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
2,3,4,6-Tetrachlorophenol	10	58-90-2	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
2,4,5-Trichlorophenol	10	95-95-4	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
2,4,6-Trichlorophenol	10	88-06-2	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
2,4-Dichlorophenol	10	120-83-2	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
2,4-Dimethylphenol	10	105-67-9	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
2,4-Dinitrophenol	10	51-28-5	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
2,4-Dinitrotoluene	10	121-14-2	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
2,6-Dichlorophenol	10	87-65-0	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
2,6-Dinitrotoluene	10	606-20-2	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
2-Chloronaphthalene	10	91-58-7	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
2-Chlorophenol	10	95-57-8	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
2-Methylnaphthalene	10	91-57-6	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	10	91-59-8	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
2-Nitroaniline	10	88-74-4	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
2-Nitrophenol	10	88-75-5	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
3,3'-Dichlorobenzidine	10	91-94-1	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
3-Methylcholanthrene	10	56-49-5	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
3-Nitroaniline	10	99-09-2	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
4,6-Dinitro-2-methylphenol	10	534-52-1	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
4-Aminobiphenyl	10	92-67-1	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
4-Bromophenyl phenyl ether	10	101-55-3	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
4-Chloroaniline	10	106-47-8	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
4-Chlorophenyl phenyl ether	10	7005-72-3	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
4-Nitroaniline	10	100-01-6	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
4-Nitrophenol	10	100-02-7	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
7,12-Dimethylbenz (a) anthracene	10	57-97-6	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Acenaphthene	10	83-32-9	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Acenaphthylene	10	208-96-8	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Acetophenone	10	98-86-2	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Aniline	10	62-53-3	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Anthracene	10	120-12-7	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Benzidine	10	92-87-5	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Benzo (a) anthracene	10	56-55-3	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Benzo (a) pyrene	10	50-32-8	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Benzo (b) fluoranthene	10	205-99-2	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Benzo (g,h,i) perylene	10	191-24-2	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	10	207-08-9	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Benzoic acid	10	65-85-0	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Benzyl alcohol	10	100-51-6	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
bis (2-Chloroethoxy) methane	10	111-91-1	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
bis (2-Chloroethyl) ether	10	111-44-4	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
2,2'-Oxybis (1-chloropropane)	10	108-60-1	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
bis (2-Ethylhexyl) phthalate	10	117-81-7	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Butyl benzyl phthalate	10	85-68-7	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Chrysene	10	218-01-9	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Dibenz (a,h) anthracene	10	53-70-3	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Dibenz (a,j) acridine	10	224-42-0	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Dibenzofuran	10	132-64-9	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Diethyl phthalate	10	84-66-2	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Dimethyl phthalate	10	131-11-3	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Di-n-butyl phthalate	10	84-74-2	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD	C	1000	1000	10	ug/kg dry	ZDR
Di-n-octyl phthalate	10	117-84-0	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Diphenylamine	10	122-39-4	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Ethyl methanesulfonate	10	62-50-0	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Fluoranthene	10	206-44-0	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Fluorene	10	86-73-7	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Hexachlorobenzene	10	118-74-1	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Hexachlorobutadiene	10	87-68-3	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Hexachlorocyclopentadiene	10	77-47-4	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Hexachloroethane	10	67-72-1	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR

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Submitted To: Tom Raymond

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Client Sample ID: **SC-44** **Laboratory Sample ID:** **23L0675-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	10	193-39-5	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Isophorone	10	78-59-1	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
m+p-Cresols	10	1319-77-3	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Methyl methanesulfonate	10	66-27-3	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Naphthalene	10	91-20-3	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Nitrobenzene	10	98-95-3	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
n-Nitrosodimethylamine	10	62-75-9	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
n-Nitrosodi-n-butylamine	10	924-16-3	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
n-Nitrosodi-n-propylamine	10	621-64-7	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
n-Nitrosodiphenylamine	10	86-30-6	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
n-Nitrosopiperidine	10	100-75-4	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
o+m+p-Cresols	10	1319-77-3	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
o-Cresol	10	95-48-7	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
p-(Dimethylamino) azobenzene	10	60-11-7	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
p-Chloro-m-cresol	10	59-50-7	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Pentachloronitrobenzene (quintozene)	10	82-68-8	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Pentachlorophenol	10	87-86-5	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Phenacetin	10	62-44-2	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Phenanthrene	10	85-01-8	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Phenol	10	108-95-2	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Pronamide	10	23950-58-5	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Pyrene	10	129-00-0	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Pyridine	10	110-86-1	SW8270E	12/15/2023 08:45	12/22/2023 01:58	BLOD		1000	1000	10	ug/kg dry	ZDR
Surr: 2,4,6-Tribromophenol (Surr)	*10*		*58.6 %*	*15-96*	*12/15/2023 08:45*	*12/22/2023 01:58*						

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Client Sample ID: **SC-44** **Laboratory Sample ID:** **23L0675-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*10*	*56.4 %*	*19-105*	*12/15/2023 08:45*	*12/22/2023 01:58*							
Surr: 2-Fluorophenol (Surr)	*10*	*62.8 %*	*12-95*	*12/15/2023 08:45*	*12/22/2023 01:58*							
Surr: Nitrobenzene-d5 (Surr)	*10*	*66.0 %*	*21-100*	*12/15/2023 08:45*	*12/22/2023 01:58*							
Surr: Phenol-d5 (Surr)	*10*	*60.8 %*	*13-100*	*12/15/2023 08:45*	*12/22/2023 01:58*							
Surr: p-Terphenyl-d14 (Surr)	*10*	*67.0 %*	*25-125*	*12/15/2023 08:45*	*12/22/2023 01:58*							

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	10	14808-79-8	SW9056A	12/14/2023 05:18	12/14/2023 05:18	39.7		3.04	12.1	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	10	7664-41-7	EPA350.1 R2.0	12/27/2023 14:31	12/27/2023 14:52	BLOD		11.6	11.6	1	mg/kg dry	SPH
Chromium, Hexavalent	10	18540-29-9	SW7199	12/19/2023 09:00	12/20/2023 00:38	0.93		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	10	14797-55-8	SW9056A	12/14/2023 05:18	12/14/2023 05:18	3.80		1.21	2.43	1	mg/kg dry	ATG
Percent Solids	10	NA	SM2540G-2011	12/19/2023 15:58	12/19/2023 15:58	82.4		0.10	0.10	1	%	LAM

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Client Sample ID: **SC-15** **Laboratory Sample ID:** **23L0675-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	11	7440-22-4	SW6020B	12/14/2023 10:45	12/15/2023 11:16	33.3		2.88	2.88	1	ug/kg dry	AB
Arsenic	11	7440-38-2	SW6020B	12/14/2023 10:45	12/15/2023 11:16	1620		57.6	57.6	1	ug/kg dry	AB
Barium	11RE1	7440-39-3	SW6020B	12/14/2023 10:45	12/15/2023 13:41	119000		57600	57600	100	ug/kg dry	AB
Beryllium	11	7440-41-7	SW6020B	12/14/2023 10:45	12/15/2023 11:16	525		57.6	57.6	1	ug/kg dry	AB
Cadmium	11	7440-43-9	SW6020B	12/14/2023 10:45	12/15/2023 11:16	70.1		57.6	57.6	1	ug/kg dry	AB
Cobalt	11	7440-48-4	SW6020B	12/14/2023 10:45	12/15/2023 11:16	14400		57.6	57.6	1	ug/kg dry	AB
Chromium	11RE1	7440-47-3	SW6020B	12/14/2023 10:45	12/15/2023 13:41	35800		5760	5760	100	ug/kg dry	AB
Copper	11RE1	7440-50-8	SW6020B	12/14/2023 10:45	12/15/2023 13:41	36800		5760	5760	100	ug/kg dry	AB
Mercury	11	7439-97-6	SW7471B	12/19/2023 10:15	12/19/2023 12:37	BLOD		0.009	0.009	1	mg/kg dry	SGT
Manganese	11RE1	7439-96-5	SW6020B	12/14/2023 10:45	12/15/2023 13:41	477000		5760	5760	100	ug/kg dry	AB
Nickel	11	7440-02-0	SW6020B	12/14/2023 10:45	12/15/2023 11:16	16500		57.6	57.6	1	ug/kg dry	AB
Lead	11	7439-92-1	SW6020B	12/14/2023 10:45	12/15/2023 11:16	11900		57.6	57.6	1	ug/kg dry	AB
Antimony	11	7440-36-0	SW6020B	12/14/2023 10:45	12/15/2023 11:16	BLOD		57.6	57.6	1	ug/kg dry	AB
Selenium	11	7782-49-2	SW6020B	12/14/2023 10:45	12/15/2023 11:16	1420		57.6	57.6	1	ug/kg dry	AB
Thallium	11	7440-28-0	SW6020B	12/14/2023 10:45	12/15/2023 11:16	95.0		57.6	57.6	1	ug/kg dry	AB
Vanadium	11RE1	7440-62-2	SW6020B	12/14/2023 10:45	12/15/2023 13:41	60600		28800	28800	100	ug/kg dry	AB
Zinc	11RE1	7440-66-6	SW6020B	12/14/2023 10:45	12/15/2023 13:41	48700		28800	28800	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	11	630-20-6	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
1,1,1-Trichloroethane	11	71-55-6	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	11	79-34-5	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
1,1,2-Trichloroethane	11	79-00-5	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
1,1-Dichloroethane	11	75-34-3	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
1,1-Dichloroethylene	11	75-35-4	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB

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Client Sample ID: **SC-15** **Laboratory Sample ID:** **23L0675-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	11	563-58-6	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	11	87-61-6	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
1,2,3-Trichloropropane	11	96-18-4	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	11	120-82-1	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	11	95-63-6	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	11	96-12-8	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	11	106-93-4	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
1,2-Dichlorobenzene	11	95-50-1	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
1,2-Dichloroethane	11	107-06-2	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
1,2-Dichloropropane	11	78-87-5	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	11	108-67-8	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
1,3-Dichlorobenzene	11	541-73-1	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
1,3-Dichloropropane	11	142-28-9	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
1,4-Dichlorobenzene	11	106-46-7	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
2,2-Dichloropropane	11	594-20-7	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
2-Butanone (MEK)	11	78-93-3	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
2-Chlorotoluene	11	95-49-8	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
2-Hexanone (MBK)	11	591-78-6	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
4-Chlorotoluene	11	106-43-4	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
4-Isopropyltoluene	11	99-87-6	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	11	108-10-1	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD	C	5.35	5.35	1	ug/kg dry	RJB
Acetone	11	67-64-1	SW8260D	12/14/2023 15:05	12/14/2023 15:05	32.9		10.7	10.7	1	ug/kg dry	RJB
Benzene	11	71-43-2	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
Bromobenzene	11	108-86-1	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	11	74-97-5	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
Bromodichloromethane	11	75-27-4	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
Bromoform	11	75-25-2	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
Bromomethane	11	74-83-9	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD	C	5.35	5.35	1	ug/kg dry	RJB
Carbon disulfide	11	75-15-0	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
Carbon tetrachloride	11	56-23-5	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
Chlorobenzene	11	108-90-7	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
Chloroethane	11	75-00-3	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD	C	5.35	5.35	1	ug/kg dry	RJB
Chloroform	11	67-66-3	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
Chloromethane	11	74-87-3	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	11	156-59-2	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	11	10061-01-5	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
Dibromochloromethane	11	124-48-1	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
Dibromomethane	11	74-95-3	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
Dichlorodifluoromethane	11	75-71-8	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	11	108-20-3	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
Ethylbenzene	11	100-41-4	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
Hexachlorobutadiene	11	87-68-3	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
Iodomethane	11	74-88-4	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		10.7	10.7	1	ug/kg dry	RJB
Isopropylbenzene	11	98-82-8	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
m+p-Xylenes	11	179601-23-1	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
Methylene chloride	11	75-09-2	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	11	1634-04-4	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB

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Client Sample ID: **SC-15** **Laboratory Sample ID:** **23L0675-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	11	91-20-3	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
n-Butylbenzene	11	104-51-8	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
n-Propylbenzene	11	103-65-1	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
o-Xylene	11	95-47-6	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
sec-Butylbenzene	11	135-98-8	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
Styrene	11	100-42-5	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
tert-Butylbenzene	11	98-06-6	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	11	127-18-4	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD	C	5.35	5.35	1	ug/kg dry	RJB
Toluene	11	108-88-3	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	11	156-60-5	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	11	10061-02-6	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
Trichloroethylene	11	79-01-6	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
Trichlorofluoromethane	11	75-69-4	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD	C	5.35	5.35	1	ug/kg dry	RJB
Vinyl acetate	11	108-05-4	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	10.7	1	ug/kg dry	RJB
Vinyl chloride	11	75-01-4	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		5.35	5.35	1	ug/kg dry	RJB
Xylenes, Total	11	1330-20-7	SW8260D	12/14/2023 15:05	12/14/2023 15:05	BLOD		16.0	16.0	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*11*		*114 %*	*80-120*	*12/14/2023 15:05*	*12/14/2023 15:05*						
Surr: 4-Bromofluorobenzene (Surr)	*11*		*96.4 %*	*85-120*	*12/14/2023 15:05*	*12/14/2023 15:05*						
Surr: Dibromofluoromethane (Surr)	*11*		*101 %*	*80-130*	*12/14/2023 15:05*	*12/14/2023 15:05*						
Surr: Toluene-d8 (Surr)	*11*		*99.7 %*	*85-115*	*12/14/2023 15:05*	*12/14/2023 15:05*						

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Client Sample ID: **SC-15** **Laboratory Sample ID:** **23L0675-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	11	123-91-1	SW8270E SIM	12/15/2023 08:45	12/19/2023 17:05	BLOD		3.82	3.82	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*11*	*76.7 %*	*35-100*	*12/15/2023 08:45*	*12/19/2023 17:05*							
1,2,4,5-Tetrachlorobenzene	11	95-94-3	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
1,2,4-Trichlorobenzene	11	120-82-1	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
1,2-Dichlorobenzene	11	95-50-1	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
1,2-Diphenylhydrazine	11	122-66-7	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
1,3-Dichlorobenzene	11	541-73-1	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
1,3-Dinitrobenzene	11	99-65-0	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
1,4-Dichlorobenzene	11	106-46-7	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
1-Chloronaphthalene	11	90-13-1	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
1-Naphthylamine	11	134-32-7	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	11	58-90-2	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
2,4,5-Trichlorophenol	11	95-95-4	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
2,4,6-Trichlorophenol	11	88-06-2	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
2,4-Dichlorophenol	11	120-83-2	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
2,4-Dimethylphenol	11	105-67-9	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
2,4-Dinitrophenol	11	51-28-5	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
2,4-Dinitrotoluene	11	121-14-2	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
2,6-Dichlorophenol	11	87-65-0	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
2,6-Dinitrotoluene	11	606-20-2	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
2-Chloronaphthalene	11	91-58-7	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
2-Chlorophenol	11	95-57-8	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
2-Methylnaphthalene	11	91-57-6	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	11	91-59-8	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
2-Nitroaniline	11	88-74-4	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
2-Nitrophenol	11	88-75-5	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
3,3'-Dichlorobenzidine	11	91-94-1	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
3-Methylcholanthrene	11	56-49-5	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
3-Nitroaniline	11	99-09-2	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	11	534-52-1	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
4-Aminobiphenyl	11	92-67-1	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
4-Bromophenyl phenyl ether	11	101-55-3	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
4-Chloroaniline	11	106-47-8	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	11	7005-72-3	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
4-Nitroaniline	11	100-01-6	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
4-Nitrophenol	11	100-02-7	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	11	57-97-6	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Acenaphthene	11	83-32-9	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Acenaphthylene	11	208-96-8	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Acetophenone	11	98-86-2	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Aniline	11	62-53-3	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Anthracene	11	120-12-7	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Benzidine	11	92-87-5	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Benzo (a) anthracene	11	56-55-3	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Benzo (a) pyrene	11	50-32-8	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Benzo (b) fluoranthene	11	205-99-2	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Benzo (g,h,i) perylene	11	191-24-2	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	11	207-08-9	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Benzoic acid	11	65-85-0	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Benzyl alcohol	11	100-51-6	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	11	111-91-1	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
bis (2-Chloroethyl) ether	11	111-44-4	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	11	108-60-1	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	11	117-81-7	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Butyl benzyl phthalate	11	85-68-7	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD	C	95.6	95.6	1	ug/kg dry	BMS
Chrysene	11	218-01-9	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Dibenz (a,h) anthracene	11	53-70-3	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Dibenz (a,j) acridine	11	224-42-0	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Dibenzofuran	11	132-64-9	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Diethyl phthalate	11	84-66-2	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Dimethyl phthalate	11	131-11-3	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Di-n-butyl phthalate	11	84-74-2	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Di-n-octyl phthalate	11	117-84-0	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Diphenylamine	11	122-39-4	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Ethyl methanesulfonate	11	62-50-0	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Fluoranthene	11	206-44-0	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Fluorene	11	86-73-7	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Hexachlorobenzene	11	118-74-1	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Hexachlorobutadiene	11	87-68-3	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Hexachlorocyclopentadiene	11	77-47-4	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Hexachloroethane	11	67-72-1	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	11	193-39-5	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Isophorone	11	78-59-1	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
m+p-Cresols	11	1319-77-3	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Methyl methanesulfonate	11	66-27-3	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Naphthalene	11	91-20-3	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Nitrobenzene	11	98-95-3	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
n-Nitrosodimethylamine	11	62-75-9	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	11	924-16-3	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	11	621-64-7	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
n-Nitrosodiphenylamine	11	86-30-6	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
n-Nitrosopiperidine	11	100-75-4	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
o+m+p-Cresols	11	1319-77-3	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
o-Cresol	11	95-48-7	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	11	60-11-7	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
p-Chloro-m-cresol	11	59-50-7	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	11	82-68-8	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Pentachlorophenol	11	87-86-5	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Phenacetin	11	62-44-2	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Phenanthrene	11	85-01-8	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Phenol	11	108-95-2	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Pronamide	11	23950-58-5	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Pyrene	11	129-00-0	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD	C	95.6	95.6	1	ug/kg dry	BMS
Pyridine	11	110-86-1	SW8270E	12/15/2023 08:45	12/22/2023 17:38	BLOD		95.6	95.6	1	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*11*	*59.5 %*	*15-96*	*12/15/2023 08:45*	*12/22/2023 17:38*							

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Client Sample ID: **SC-15** **Laboratory Sample ID:** **23L0675-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*11*		*60.3 %*	*19-105*	*12/15/2023 08:45*	*12/22/2023 17:38*						
Surr: 2-Fluorophenol (Surr)	*11*		*53.0 %*	*12-95*	*12/15/2023 08:45*	*12/22/2023 17:38*						
Surr: Nitrobenzene-d5 (Surr)	*11*		*61.2 %*	*21-100*	*12/15/2023 08:45*	*12/22/2023 17:38*						
Surr: Phenol-d5 (Surr)	*11*		*48.9 %*	*13-100*	*12/15/2023 08:45*	*12/22/2023 17:38*						
Surr: p-Terphenyl-d14 (Surr)	*11*		*52.4 %*	*25-125*	*12/15/2023 08:45*	*12/22/2023 17:38*						

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Client Sample ID: **SC-15** **Laboratory Sample ID:** **23L0675-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	11	14808-79-8	SW9056A	12/14/2023 05:40	12/14/2023 05:40	4.28	J	2.89	11.6	1	mg/kg dry	ATG

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Client Sample ID: **SC-15** **Laboratory Sample ID:** **23L0675-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	11	7664-41-7	EPA350.1 R2.0	12/27/2023 14:31	12/27/2023 15:00	BLOD		11.0	11.0	1	mg/kg dry	SPH
Chromium, Hexavalent	11	18540-29-9	SW7199	12/22/2023 09:00	12/22/2023 18:54	0.32		0.23	0.23	1	mg/kg dry	MGC
Nitrate as N	11	14797-55-8	SW9056A	12/14/2023 05:40	12/14/2023 05:40	BLOD		1.16	2.31	1	mg/kg dry	ATG
Percent Solids	11	NA	SM2540G-2011	12/19/2023 15:58	12/19/2023 15:58	86.6		0.10	0.10	1	%	LAM

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Client Sample ID: **DUP-2** **Laboratory Sample ID:** **23L0675-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	12	7440-22-4	SW6020B	12/14/2023 10:45	12/15/2023 11:21	18.5		3.01	3.01	1	ug/kg dry	AB
Arsenic	12	7440-38-2	SW6020B	12/14/2023 10:45	12/15/2023 11:21	1830		60.3	60.3	1	ug/kg dry	AB
Barium	12RE1	7440-39-3	SW6020B	12/14/2023 10:45	12/15/2023 13:44	100000		60300	60300	100	ug/kg dry	AB
Beryllium	12RE1	7440-41-7	SW6020B	12/14/2023 10:45	12/15/2023 15:06	669		301	301	5	ug/kg dry	AB
Cadmium	12	7440-43-9	SW6020B	12/14/2023 10:45	12/15/2023 11:21	BLOD		60.3	60.3	1	ug/kg dry	AB
Cobalt	12RE1	7440-48-4	SW6020B	12/14/2023 10:45	12/15/2023 13:44	34200		6030	6030	100	ug/kg dry	AB
Chromium	12RE1	7440-47-3	SW6020B	12/14/2023 10:45	12/15/2023 13:44	36800		6030	6030	100	ug/kg dry	AB
Copper	12RE1	7440-50-8	SW6020B	12/14/2023 10:45	12/15/2023 13:44	40600		6030	6030	100	ug/kg dry	AB
Mercury	12	7439-97-6	SW7471B	12/19/2023 10:15	12/19/2023 12:44	0.019		0.010	0.010	1	mg/kg dry	SGT
Manganese	12RE1	7439-96-5	SW6020B	12/14/2023 10:45	12/15/2023 13:44	417000		6030	6030	100	ug/kg dry	AB
Nickel	12	7440-02-0	SW6020B	12/14/2023 10:45	12/15/2023 11:21	14900		60.3	60.3	1	ug/kg dry	AB
Lead	12	7439-92-1	SW6020B	12/14/2023 10:45	12/15/2023 11:21	8210		60.3	60.3	1	ug/kg dry	AB
Antimony	12	7440-36-0	SW6020B	12/14/2023 10:45	12/15/2023 11:21	BLOD		60.3	60.3	1	ug/kg dry	AB
Selenium	12	7782-49-2	SW6020B	12/14/2023 10:45	12/15/2023 11:21	2020		60.3	60.3	1	ug/kg dry	AB
Thallium	12	7440-28-0	SW6020B	12/14/2023 10:45	12/15/2023 11:21	62.5		60.3	60.3	1	ug/kg dry	AB
Vanadium	12RE1	7440-62-2	SW6020B	12/14/2023 10:45	12/15/2023 13:44	76100		30100	30100	100	ug/kg dry	AB
Zinc	12RE1	7440-66-6	SW6020B	12/14/2023 10:45	12/15/2023 13:44	45200		30100	30100	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	12	630-20-6	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
1,1,1-Trichloroethane	12	71-55-6	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	12	79-34-5	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
1,1,2-Trichloroethane	12	79-00-5	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
1,1-Dichloroethane	12	75-34-3	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
1,1-Dichloroethylene	12	75-35-4	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB

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Client Sample ID: **DUP-2** **Laboratory Sample ID:** **23L0675-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	12	563-58-6	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	12	87-61-6	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
1,2,3-Trichloropropane	12	96-18-4	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	12	120-82-1	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	12	95-63-6	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	12	96-12-8	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	12	106-93-4	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
1,2-Dichlorobenzene	12	95-50-1	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
1,2-Dichloroethane	12	107-06-2	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
1,2-Dichloropropane	12	78-87-5	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	12	108-67-8	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
1,3-Dichlorobenzene	12	541-73-1	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
1,3-Dichloropropane	12	142-28-9	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
1,4-Dichlorobenzene	12	106-46-7	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
2,2-Dichloropropane	12	594-20-7	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
2-Butanone (MEK)	12	78-93-3	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
2-Chlorotoluene	12	95-49-8	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
2-Hexanone (MBK)	12	591-78-6	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
4-Chlorotoluene	12	106-43-4	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
4-Isopropyltoluene	12	99-87-6	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	12	108-10-1	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD	C	5.04	5.04	1	ug/kg dry	RJB
Acetone	12	67-64-1	SW8260D	12/14/2023 15:28	12/14/2023 15:28	59.1		10.1	10.1	1	ug/kg dry	RJB
Benzene	12	71-43-2	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
Bromobenzene	12	108-86-1	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	12	74-97-5	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
Bromodichloromethane	12	75-27-4	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
Bromoform	12	75-25-2	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
Bromomethane	12	74-83-9	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD	C	5.04	5.04	1	ug/kg dry	RJB
Carbon disulfide	12	75-15-0	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
Carbon tetrachloride	12	56-23-5	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
Chlorobenzene	12	108-90-7	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
Chloroethane	12	75-00-3	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD	C	5.04	5.04	1	ug/kg dry	RJB
Chloroform	12	67-66-3	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
Chloromethane	12	74-87-3	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	12	156-59-2	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	12	10061-01-5	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
Dibromochloromethane	12	124-48-1	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
Dibromomethane	12	74-95-3	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
Dichlorodifluoromethane	12	75-71-8	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	12	108-20-3	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
Ethylbenzene	12	100-41-4	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
Hexachlorobutadiene	12	87-68-3	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
Iodomethane	12	74-88-4	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		10.1	10.1	1	ug/kg dry	RJB
Isopropylbenzene	12	98-82-8	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
m+p-Xylenes	12	179601-23-1	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
Methylene chloride	12	75-09-2	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	12	1634-04-4	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	12	91-20-3	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
n-Butylbenzene	12	104-51-8	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
n-Propylbenzene	12	103-65-1	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
o-Xylene	12	95-47-6	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
sec-Butylbenzene	12	135-98-8	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
Styrene	12	100-42-5	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
tert-Butylbenzene	12	98-06-6	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	12	127-18-4	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD	C	5.04	5.04	1	ug/kg dry	RJB
Toluene	12	108-88-3	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	12	156-60-5	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	12	10061-02-6	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
Trichloroethylene	12	79-01-6	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
Trichlorofluoromethane	12	75-69-4	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD	C	5.04	5.04	1	ug/kg dry	RJB
Vinyl acetate	12	108-05-4	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	10.1	1	ug/kg dry	RJB
Vinyl chloride	12	75-01-4	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		5.04	5.04	1	ug/kg dry	RJB
Xylenes, Total	12	1330-20-7	SW8260D	12/14/2023 15:28	12/14/2023 15:28	BLOD		15.1	15.1	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*12*		*120 %*	*80-120*	*12/14/2023 15:28*	*12/14/2023 15:28*						
Surr: 4-Bromofluorobenzene (Surr)	*12*		*96.9 %*	*85-120*	*12/14/2023 15:28*	*12/14/2023 15:28*						
Surr: Dibromofluoromethane (Surr)	*12*		*101 %*	*80-130*	*12/14/2023 15:28*	*12/14/2023 15:28*						
Surr: Toluene-d8 (Surr)	*12*		*99.8 %*	*85-115*	*12/14/2023 15:28*	*12/14/2023 15:28*						

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **DUP-2** **Laboratory Sample ID:** **23L0675-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	12	123-91-1	SW8270E SIM	12/15/2023 08:45	12/19/2023 17:32	BLOD		4.02	4.02	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*12*	*78.4 %*	*35-100*	*12/15/2023 08:45*	*12/19/2023 17:32*							
1,2,4,5-Tetrachlorobenzene	12	95-94-3	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
1,2,4-Trichlorobenzene	12	120-82-1	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
1,2-Dichlorobenzene	12	95-50-1	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
1,2-Diphenylhydrazine	12	122-66-7	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
1,3-Dichlorobenzene	12	541-73-1	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
1,3-Dinitrobenzene	12	99-65-0	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
1,4-Dichlorobenzene	12	106-46-7	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
1-Chloronaphthalene	12	90-13-1	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
1-Naphthylamine	12	134-32-7	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	12	58-90-2	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
2,4,5-Trichlorophenol	12	95-95-4	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
2,4,6-Trichlorophenol	12	88-06-2	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
2,4-Dichlorophenol	12	120-83-2	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
2,4-Dimethylphenol	12	105-67-9	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
2,4-Dinitrophenol	12	51-28-5	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
2,4-Dinitrotoluene	12	121-14-2	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
2,6-Dichlorophenol	12	87-65-0	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
2,6-Dinitrotoluene	12	606-20-2	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
2-Chloronaphthalene	12	91-58-7	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
2-Chlorophenol	12	95-57-8	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
2-Methylnaphthalene	12	91-57-6	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS

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Client Sample ID: DUP-2 **Laboratory Sample ID:** 23L0675-12

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	12	91-59-8	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
2-Nitroaniline	12	88-74-4	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
2-Nitrophenol	12	88-75-5	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
3,3'-Dichlorobenzidine	12	91-94-1	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
3-Methylcholanthrene	12	56-49-5	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
3-Nitroaniline	12	99-09-2	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	12	534-52-1	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
4-Aminobiphenyl	12	92-67-1	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
4-Bromophenyl phenyl ether	12	101-55-3	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
4-Chloroaniline	12	106-47-8	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	12	7005-72-3	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
4-Nitroaniline	12	100-01-6	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
4-Nitrophenol	12	100-02-7	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	12	57-97-6	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Acenaphthene	12	83-32-9	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Acenaphthylene	12	208-96-8	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Acetophenone	12	98-86-2	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Aniline	12	62-53-3	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Anthracene	12	120-12-7	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Benzidine	12	92-87-5	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Benzo (a) anthracene	12	56-55-3	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Benzo (a) pyrene	12	50-32-8	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Benzo (b) fluoranthene	12	205-99-2	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Benzo (g,h,i) perylene	12	191-24-2	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS

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Client Sample ID: DUP-2 **Laboratory Sample ID:** 23L0675-12

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	12	207-08-9	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Benzoic acid	12	65-85-0	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Benzyl alcohol	12	100-51-6	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	12	111-91-1	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
bis (2-Chloroethyl) ether	12	111-44-4	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	12	108-60-1	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	12	117-81-7	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Butyl benzyl phthalate	12	85-68-7	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD	C	101	101	1	ug/kg dry	BMS
Chrysene	12	218-01-9	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Dibenz (a,h) anthracene	12	53-70-3	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Dibenz (a,j) acridine	12	224-42-0	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Dibenzofuran	12	132-64-9	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Diethyl phthalate	12	84-66-2	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Dimethyl phthalate	12	131-11-3	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Di-n-butyl phthalate	12	84-74-2	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Di-n-octyl phthalate	12	117-84-0	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Diphenylamine	12	122-39-4	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Ethyl methanesulfonate	12	62-50-0	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Fluoranthene	12	206-44-0	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Fluorene	12	86-73-7	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Hexachlorobenzene	12	118-74-1	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Hexachlorobutadiene	12	87-68-3	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Hexachlorocyclopentadiene	12	77-47-4	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Hexachloroethane	12	67-72-1	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	12	193-39-5	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Isophorone	12	78-59-1	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
m+p-Cresols	12	1319-77-3	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Methyl methanesulfonate	12	66-27-3	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Naphthalene	12	91-20-3	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Nitrobenzene	12	98-95-3	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
n-Nitrosodimethylamine	12	62-75-9	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	12	924-16-3	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	12	621-64-7	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
n-Nitrosodiphenylamine	12	86-30-6	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
n-Nitrosopiperidine	12	100-75-4	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
o+m+p-Cresols	12	1319-77-3	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
o-Cresol	12	95-48-7	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	12	60-11-7	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
p-Chloro-m-cresol	12	59-50-7	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	12	82-68-8	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Pentachlorophenol	12	87-86-5	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Phenacetin	12	62-44-2	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Phenanthrene	12	85-01-8	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Phenol	12	108-95-2	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Pronamide	12	23950-58-5	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Pyrene	12	129-00-0	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD	C	101	101	1	ug/kg dry	BMS
Pyridine	12	110-86-1	SW8270E	12/15/2023 08:45	12/22/2023 18:14	BLOD		101	101	1	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*12*	*71.8 %*	*15-96*	*12/15/2023 08:45*	*12/22/2023 18:14*							

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*12*		*73.6 %*	*19-105*	*12/15/2023 08:45*	*12/22/2023 18:14*						
Surr: 2-Fluorophenol (Surr)	*12*		*69.5 %*	*12-95*	*12/15/2023 08:45*	*12/22/2023 18:14*						
Surr: Nitrobenzene-d5 (Surr)	*12*		*83.9 %*	*21-100*	*12/15/2023 08:45*	*12/22/2023 18:14*						
Surr: Phenol-d5 (Surr)	*12*		*68.5 %*	*13-100*	*12/15/2023 08:45*	*12/22/2023 18:14*						
Surr: p-Terphenyl-d14 (Surr)	*12*		*58.1 %*	*25-125*	*12/15/2023 08:45*	*12/22/2023 18:14*						

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Ion Chromatography Analyses												
Sulfate	12	14808-79-8	SW9056A	12/13/2023 23:04	12/13/2023 23:04	11.6	J	3.02	12.1	1	mg/kg dry	ATG

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Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **DUP-2** **Laboratory Sample ID:** **23L0675-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	12	7664-41-7	EPA350.1 R2.0	12/27/2023 14:31	12/27/2023 15:02	BLOD		11.6	11.6	1	mg/kg dry	SPH
Chromium, Hexavalent	12	18540-29-9	SW7199	12/22/2023 09:00	12/22/2023 21:07	0.60		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	12	14797-55-8	SW9056A	12/13/2023 23:04	12/13/2023 23:04	2.83		1.21	2.41	1	mg/kg dry	ATG
Percent Solids	12	NA	SM2540G-2011	12/20/2023 16:17	12/20/2023 16:17	82.8		0.10	0.10	1	%	LAM

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **Trip Blank** **Laboratory Sample ID:** **23L0675-13**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	13	630-20-6	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.40	0.40	1	ug/L	RJB
1,1,1-Trichloroethane	13	71-55-6	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.60	1.00	1	ug/L	RJB
1,1,2,2-Tetrachloroethane	13	79-34-5	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.30	0.40	1	ug/L	RJB
1,1,2-Trichloroethane	13	79-00-5	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.50	1.00	1	ug/L	RJB
1,1-Dichloroethane	13	75-34-3	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.60	1.00	1	ug/L	RJB
1,1-Dichloroethylene	13	75-35-4	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.70	1.00	1	ug/L	RJB
1,1-Dichloropropene	13	563-58-6	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.60	1.00	1	ug/L	RJB
1,2,3-Trichlorobenzene	13	87-61-6	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.70	1.00	1	ug/L	RJB
1,2,3-Trichloropropane	13	96-18-4	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.40	1.00	1	ug/L	RJB
1,2,4-Trichlorobenzene	13	120-82-1	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.50	1.00	1	ug/L	RJB
1,2,4-Trimethylbenzene	13	95-63-6	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.40	1.00	1	ug/L	RJB
1,2-Dibromo-3-chloropropane (DBCP)	13	96-12-8	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD	C	0.60	1.00	1	ug/L	RJB
1,2-Dibromoethane (EDB)	13	106-93-4	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.40	1.00	1	ug/L	RJB
1,2-Dichlorobenzene	13	95-50-1	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.40	0.50	1	ug/L	RJB
1,2-Dichloroethane	13	107-06-2	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.70	1.00	1	ug/L	RJB
1,2-Dichloropropane	13	78-87-5	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.40	0.50	1	ug/L	RJB
1,3,5-Trimethylbenzene	13	108-67-8	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.90	1.00	1	ug/L	RJB
1,3-Dichlorobenzene	13	541-73-1	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.30	1.00	1	ug/L	RJB
1,3-Dichloropropane	13	142-28-9	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		1.00	1.00	1	ug/L	RJB
1,4-Dichlorobenzene	13	106-46-7	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.40	1.00	1	ug/L	RJB
2,2-Dichloropropane	13	594-20-7	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.60	1.00	1	ug/L	RJB
2-Butanone (MEK)	13	78-93-3	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		3.00	10.0	1	ug/L	RJB
2-Chlorotoluene	13	95-49-8	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.50	1.00	1	ug/L	RJB
2-Hexanone (MBK)	13	591-78-6	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		2.20	5.00	1	ug/L	RJB

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **Trip Blank** **Laboratory Sample ID:** **23L0675-13**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
4-Chlorotoluene	13	106-43-4	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.50	1.00	1	ug/L	RJB
4-Isopropyltoluene	13	99-87-6	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.40	1.00	1	ug/L	RJB
4-Methyl-2-pentanone (MIBK)	13	108-10-1	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		1.50	5.00	1	ug/L	RJB
Acetone	13	67-64-1	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		7.00	10.0	1	ug/L	RJB
Benzene	13	71-43-2	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.40	1.00	1	ug/L	RJB
Bromobenzene	13	108-86-1	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.50	1.00	1	ug/L	RJB
Bromochloromethane	13	74-97-5	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.50	1.00	1	ug/L	RJB
Bromodichloromethane	13	75-27-4	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.40	0.50	1	ug/L	RJB
Bromoform	13	75-25-2	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.40	1.00	1	ug/L	RJB
Bromomethane	13	74-83-9	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.80	1.00	1	ug/L	RJB
Carbon disulfide	13	75-15-0	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		5.00	10.0	1	ug/L	RJB
Carbon tetrachloride	13	56-23-5	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.50	1.00	1	ug/L	RJB
Chlorobenzene	13	108-90-7	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.40	1.00	1	ug/L	RJB
Chloroethane	13	75-00-3	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.70	1.00	1	ug/L	RJB
Chloroform	13	67-66-3	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.50	0.50	1	ug/L	RJB
Chloromethane	13	74-87-3	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.95	1.00	1	ug/L	RJB
cis-1,2-Dichloroethylene	13	156-59-2	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.40	1.00	1	ug/L	RJB
cis-1,3-Dichloropropene	13	10061-01-5	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.30	1.00	1	ug/L	RJB
Dibromochloromethane	13	124-48-1	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.35	0.50	1	ug/L	RJB
Dibromomethane	13	74-95-3	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.40	1.00	1	ug/L	RJB
Dichlorodifluoromethane	13	75-71-8	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.95	1.00	1	ug/L	RJB
Di-isopropyl ether (DIPE)	13	108-20-3	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		3.00	5.00	1	ug/L	RJB
Ethylbenzene	13	100-41-4	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.40	1.00	1	ug/L	RJB
Hexachlorobutadiene	13	87-68-3	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.60	0.80	1	ug/L	RJB

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **Trip Blank** **Laboratory Sample ID:** **23L0675-13**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Iodomethane	13	74-88-4	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		6.00	10.0	1	ug/L	RJB
Isopropylbenzene	13	98-82-8	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.50	1.00	1	ug/L	RJB
m+p-Xylenes	13	179601-23-1	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.60	2.00	1	ug/L	RJB
Methylene chloride	13	75-09-2	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		4.00	4.00	1	ug/L	RJB
Methyl-t-butyl ether (MTBE)	13	1634-04-4	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.60	1.00	1	ug/L	RJB
Naphthalene	13	91-20-3	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.80	1.00	1	ug/L	RJB
n-Butylbenzene	13	104-51-8	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.40	1.00	1	ug/L	RJB
n-Propylbenzene	13	103-65-1	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.40	1.00	1	ug/L	RJB
o-Xylene	13	95-47-6	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.40	1.00	1	ug/L	RJB
sec-Butylbenzene	13	135-98-8	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.40	1.00	1	ug/L	RJB
Styrene	13	100-42-5	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.40	1.00	1	ug/L	RJB
tert-Butylbenzene	13	98-06-6	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.40	1.00	1	ug/L	RJB
Tetrachloroethylene (PCE)	13	127-18-4	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.40	1.00	1	ug/L	RJB
Toluene	13	108-88-3	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.50	1.00	1	ug/L	RJB
trans-1,2-Dichloroethylene	13	156-60-5	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.60	1.00	1	ug/L	RJB
trans-1,3-Dichloropropene	13	10061-02-6	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.30	1.00	1	ug/L	RJB
Trichloroethylene	13	79-01-6	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.40	1.00	1	ug/L	RJB
Trichlorofluoromethane	13	75-69-4	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.80	1.00	1	ug/L	RJB
Vinyl acetate	13	108-05-4	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		2.00	10.0	1	ug/L	RJB
Vinyl chloride	13	75-01-4	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		0.50	0.50	1	ug/L	RJB
Xylenes, Total	13	1330-20-7	SW8260D	12/14/2023 12:52	12/14/2023 12:52	BLOD		1.00	3.00	1	ug/L	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*13*		*96.8 %*	*70-120*	*12/14/2023 12:52*	*12/14/2023 12:52*						
Surr: 4-Bromofluorobenzene (Surr)	*13*		*108 %*	*75-120*	*12/14/2023 12:52*	*12/14/2023 12:52*						
Surr: Dibromofluoromethane (Surr)	*13*		*98.2 %*	*70-130*	*12/14/2023 12:52*	*12/14/2023 12:52*						

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Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **Trip Blank** **Laboratory Sample ID:** **23L0675-13**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Volatile Organic Compounds by GCMS												
Surr: Toluene-d8 (Surr)	*13*		*70-130*	*12/14/2023 12:52*	*12/14/2023 12:52*	*101 %*						

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-36** **Laboratory Sample ID:** **23L0795-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	01	7440-22-4	SW6020B	12/14/2023 12:00	12/18/2023 14:54	28.9		2.85	2.85	1	ug/kg dry	MDW
Arsenic	01	7440-38-2	SW6020B	12/14/2023 12:00	12/18/2023 14:54	2050		57.0	57.0	1	ug/kg dry	MDW
Barium	01RE1	7440-39-3	SW6020B	12/14/2023 12:00	12/19/2023 11:36	168000		57000	57000	100	ug/kg dry	MDW
Beryllium	01	7440-41-7	SW6020B	12/14/2023 12:00	12/18/2023 14:54	776		57.0	57.0	1	ug/kg dry	MDW
Cadmium	01	7440-43-9	SW6020B	12/14/2023 12:00	12/18/2023 14:54	96.1		57.0	57.0	1	ug/kg dry	MDW
Cobalt	01	7440-48-4	SW6020B	12/14/2023 12:00	12/18/2023 14:54	14100		57.0	57.0	1	ug/kg dry	MDW
Chromium	01RE1	7440-47-3	SW6020B	12/14/2023 12:00	12/19/2023 11:36	35700		5700	5700	100	ug/kg dry	MDW
Copper	01RE1	7440-50-8	SW6020B	12/14/2023 12:00	12/19/2023 11:36	42000		5700	5700	100	ug/kg dry	MDW
Mercury	01	7439-97-6	SW7471B	12/19/2023 10:15	12/19/2023 12:48	0.020		0.009	0.009	1	mg/kg dry	SGT
Manganese	01RE1	7439-96-5	SW6020B	12/14/2023 12:00	12/19/2023 11:36	575000		5700	5700	100	ug/kg dry	MDW
Nickel	01	7440-02-0	SW6020B	12/14/2023 12:00	12/18/2023 14:54	18300		57.0	57.0	1	ug/kg dry	MDW
Lead	01	7439-92-1	SW6020B	12/14/2023 12:00	12/18/2023 14:54	9740		57.0	57.0	1	ug/kg dry	MDW
Antimony	01	7440-36-0	SW6020B	12/14/2023 12:00	12/18/2023 14:54	BLOD		57.0	57.0	1	ug/kg dry	MDW
Selenium	01	7782-49-2	SW6020B	12/14/2023 12:00	12/18/2023 14:54	1560		57.0	57.0	1	ug/kg dry	MDW
Thallium	01	7440-28-0	SW6020B	12/14/2023 12:00	12/18/2023 14:54	114		57.0	57.0	1	ug/kg dry	MDW
Vanadium	01RE1	7440-62-2	SW6020B	12/14/2023 12:00	12/19/2023 11:36	73800		28500	28500	100	ug/kg dry	MDW
Zinc	01RE1	7440-66-6	SW6020B	12/14/2023 12:00	12/19/2023 11:36	61100		28500	28500	100	ug/kg dry	MDW
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	01	630-20-6	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
1,1,1-Trichloroethane	01	71-55-6	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	01	79-34-5	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
1,1,2-Trichloroethane	01	79-00-5	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
1,1-Dichloroethane	01	75-34-3	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
1,1-Dichloroethylene	01	75-35-4	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-36** **Laboratory Sample ID:** **23L0795-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	01	563-58-6	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	01	87-61-6	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
1,2,3-Trichloropropane	01	96-18-4	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	01	120-82-1	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	01	95-63-6	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	01	96-12-8	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	01	106-93-4	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
1,2-Dichlorobenzene	01	95-50-1	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
1,2-Dichloroethane	01	107-06-2	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
1,2-Dichloropropane	01	78-87-5	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	01	108-67-8	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
1,3-Dichlorobenzene	01	541-73-1	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
1,3-Dichloropropane	01	142-28-9	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
1,4-Dichlorobenzene	01	106-46-7	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
2,2-Dichloropropane	01	594-20-7	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
2-Butanone (MEK)	01	78-93-3	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
2-Chlorotoluene	01	95-49-8	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
2-Hexanone (MBK)	01	591-78-6	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
4-Chlorotoluene	01	106-43-4	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
4-Isopropyltoluene	01	99-87-6	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	01	108-10-1	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD	C	5.31	5.31	1	ug/kg dry	RJB
Acetone	01	67-64-1	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		10.6	10.6	1	ug/kg dry	RJB
Benzene	01	71-43-2	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
Bromobenzene	01	108-86-1	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-36 **Laboratory Sample ID:** 23L0795-01

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	01	74-97-5	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
Bromodichloromethane	01	75-27-4	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
Bromoform	01	75-25-2	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
Bromomethane	01	74-83-9	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD	C	5.31	5.31	1	ug/kg dry	RJB
Carbon disulfide	01	75-15-0	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
Carbon tetrachloride	01	56-23-5	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
Chlorobenzene	01	108-90-7	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
Chloroethane	01	75-00-3	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD	C	5.31	5.31	1	ug/kg dry	RJB
Chloroform	01	67-66-3	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
Chloromethane	01	74-87-3	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	01	156-59-2	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	01	10061-01-5	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
Dibromochloromethane	01	124-48-1	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
Dibromomethane	01	74-95-3	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
Dichlorodifluoromethane	01	75-71-8	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	01	108-20-3	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
Ethylbenzene	01	100-41-4	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
Hexachlorobutadiene	01	87-68-3	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
Iodomethane	01	74-88-4	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		10.6	10.6	1	ug/kg dry	RJB
Isopropylbenzene	01	98-82-8	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
m+p-Xylenes	01	179601-23-1	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
Methylene chloride	01	75-09-2	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	01	1634-04-4	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB

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Client Sample ID: **SC-36** **Laboratory Sample ID:** **23L0795-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	01	91-20-3	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
n-Butylbenzene	01	104-51-8	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
n-Propylbenzene	01	103-65-1	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
o-Xylene	01	95-47-6	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
sec-Butylbenzene	01	135-98-8	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
Styrene	01	100-42-5	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
tert-Butylbenzene	01	98-06-6	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	01	127-18-4	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD	C	5.31	5.31	1	ug/kg dry	RJB
Toluene	01	108-88-3	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	01	156-60-5	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	01	10061-02-6	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
Trichloroethylene	01	79-01-6	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
Trichlorofluoromethane	01	75-69-4	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD	C	5.31	5.31	1	ug/kg dry	RJB
Vinyl acetate	01	108-05-4	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	10.6	1	ug/kg dry	RJB
Vinyl chloride	01	75-01-4	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		5.31	5.31	1	ug/kg dry	RJB
Xylenes, Total	01	1330-20-7	SW8260D	12/14/2023 15:52	12/14/2023 15:52	BLOD		15.9	15.9	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*01*	*113 %*	*80-120*	*12/14/2023 15:52*	*12/14/2023 15:52*							
Surr: 4-Bromofluorobenzene (Surr)	*01*	*94.7 %*	*85-120*	*12/14/2023 15:52*	*12/14/2023 15:52*							
Surr: Dibromofluoromethane (Surr)	*01*	*104 %*	*80-130*	*12/14/2023 15:52*	*12/14/2023 15:52*							
Surr: Toluene-d8 (Surr)	*01*	*103 %*	*85-115*	*12/14/2023 15:52*	*12/14/2023 15:52*							

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Client Sample ID: **SC-36** **Laboratory Sample ID:** **23L0795-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	01	123-91-1	SW8270E SIM	12/15/2023 08:45	12/19/2023 17:58	BLOD		3.81	3.81	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*01*	*81.6 %*	*35-100*	*12/15/2023 08:45*	*12/19/2023 17:58*							
1,2,4,5-Tetrachlorobenzene	01	95-94-3	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
1,2,4-Trichlorobenzene	01	120-82-1	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
1,2-Dichlorobenzene	01	95-50-1	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
1,2-Diphenylhydrazine	01	122-66-7	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
1,3-Dichlorobenzene	01	541-73-1	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
1,3-Dinitrobenzene	01	99-65-0	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
1,4-Dichlorobenzene	01	106-46-7	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
1-Chloronaphthalene	01	90-13-1	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
1-Naphthylamine	01	134-32-7	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	01	58-90-2	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
2,4,5-Trichlorophenol	01	95-95-4	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
2,4,6-Trichlorophenol	01	88-06-2	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
2,4-Dichlorophenol	01	120-83-2	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
2,4-Dimethylphenol	01	105-67-9	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
2,4-Dinitrophenol	01	51-28-5	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
2,4-Dinitrotoluene	01	121-14-2	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
2,6-Dichlorophenol	01	87-65-0	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
2,6-Dinitrotoluene	01	606-20-2	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
2-Chloronaphthalene	01	91-58-7	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
2-Chlorophenol	01	95-57-8	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
2-Methylnaphthalene	01	91-57-6	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	01	91-59-8	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
2-Nitroaniline	01	88-74-4	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
2-Nitrophenol	01	88-75-5	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
3,3'-Dichlorobenzidine	01	91-94-1	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
3-Methylcholanthrene	01	56-49-5	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
3-Nitroaniline	01	99-09-2	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	01	534-52-1	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
4-Aminobiphenyl	01	92-67-1	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
4-Bromophenyl phenyl ether	01	101-55-3	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
4-Chloroaniline	01	106-47-8	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	01	7005-72-3	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
4-Nitroaniline	01	100-01-6	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
4-Nitrophenol	01	100-02-7	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	01	57-97-6	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Acenaphthene	01	83-32-9	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Acenaphthylene	01	208-96-8	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Acetophenone	01	98-86-2	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Aniline	01	62-53-3	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Anthracene	01	120-12-7	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Benzidine	01	92-87-5	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Benzo (a) anthracene	01	56-55-3	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Benzo (a) pyrene	01	50-32-8	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Benzo (b) fluoranthene	01	205-99-2	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Benzo (g,h,i) perylene	01	191-24-2	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD	C	95.2	95.2	1	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	01	207-08-9	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Benzoic acid	01	65-85-0	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Benzyl alcohol	01	100-51-6	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	01	111-91-1	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
bis (2-Chloroethyl) ether	01	111-44-4	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	01	108-60-1	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	01	117-81-7	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Butyl benzyl phthalate	01	85-68-7	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Chrysene	01	218-01-9	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Dibenz (a,h) anthracene	01	53-70-3	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD	C	95.2	95.2	1	ug/kg dry	BMS
Dibenz (a,j) acridine	01	224-42-0	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD	C	95.2	95.2	1	ug/kg dry	BMS
Dibenzofuran	01	132-64-9	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Diethyl phthalate	01	84-66-2	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Dimethyl phthalate	01	131-11-3	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Di-n-butyl phthalate	01	84-74-2	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Di-n-octyl phthalate	01	117-84-0	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Diphenylamine	01	122-39-4	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Ethyl methanesulfonate	01	62-50-0	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Fluoranthene	01	206-44-0	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Fluorene	01	86-73-7	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Hexachlorobenzene	01	118-74-1	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Hexachlorobutadiene	01	87-68-3	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Hexachlorocyclopentadiene	01	77-47-4	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Hexachloroethane	01	67-72-1	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-36** **Laboratory Sample ID:** **23L0795-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	01	193-39-5	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Isophorone	01	78-59-1	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
m+p-Cresols	01	1319-77-3	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Methyl methanesulfonate	01	66-27-3	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Naphthalene	01	91-20-3	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Nitrobenzene	01	98-95-3	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
n-Nitrosodimethylamine	01	62-75-9	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	01	924-16-3	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	01	621-64-7	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
n-Nitrosodiphenylamine	01	86-30-6	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
n-Nitrosopiperidine	01	100-75-4	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
o+m+p-Cresols	01	1319-77-3	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
o-Cresol	01	95-48-7	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	01	60-11-7	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
p-Chloro-m-cresol	01	59-50-7	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	01	82-68-8	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Pentachlorophenol	01	87-86-5	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Phenacetin	01	62-44-2	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Phenanthrene	01	85-01-8	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Phenol	01	108-95-2	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Pronamide	01	23950-58-5	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Pyrene	01	129-00-0	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Pyridine	01	110-86-1	SW8270E	12/15/2023 08:45	12/27/2023 01:55	BLOD		95.2	95.2	1	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*01*	*62.3 %*	*15-96*	*12/15/2023 08:45*	*12/27/2023 01:55*							

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*01*		*69.4 %*	*19-105*	*12/15/2023 08:45*	*12/27/2023 01:55*						
Surr: 2-Fluorophenol (Surr)	*01*		*62.8 %*	*12-95*	*12/15/2023 08:45*	*12/27/2023 01:55*						
Surr: Nitrobenzene-d5 (Surr)	*01*		*66.6 %*	*21-100*	*12/15/2023 08:45*	*12/27/2023 01:55*						
Surr: Phenol-d5 (Surr)	*01*		*57.9 %*	*13-100*	*12/15/2023 08:45*	*12/27/2023 01:55*						
Surr: p-Terphenyl-d14 (Surr)	*01*		*64.2 %*	*25-125*	*12/15/2023 08:45*	*12/27/2023 01:55*						

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Ion Chromatography Analyses												
Sulfate	01	14808-79-8	SW9056A	12/14/2023 12:28	12/15/2023 11:54	41.8		2.93	11.7	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	01	7664-41-7	EPA350.1 R2.0	12/27/2023 14:31	12/27/2023 15:06	BLOD		11.6	11.6	1	mg/kg dry	SPH
Chromium, Hexavalent	01	18540-29-9	SW7199	12/22/2023 09:00	12/22/2023 21:34	0.63		0.23	0.23	1	mg/kg dry	MGC
Nitrate as N	01	14797-55-8	SW9056A	12/14/2023 12:28	12/15/2023 11:54	BLOD		1.17	2.35	1	mg/kg dry	ATG
Percent Solids	01	NA	SM2540G-2011	12/20/2023 16:17	12/20/2023 16:17	85.2		0.10	0.10	1	%	LAM

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Client Sample ID: **SC-45** **Laboratory Sample ID:** **23L0795-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	02	7440-22-4	SW6020B	12/14/2023 12:00	12/18/2023 14:57	66.3		2.89	2.89	1	ug/kg dry	MDW
Arsenic	02	7440-38-2	SW6020B	12/14/2023 12:00	12/18/2023 14:57	3400		57.9	57.9	1	ug/kg dry	MDW
Barium	02RE1	7440-39-3	SW6020B	12/14/2023 12:00	12/19/2023 11:39	134000		57900	57900	100	ug/kg dry	MDW
Beryllium	02	7440-41-7	SW6020B	12/14/2023 12:00	12/18/2023 14:57	623		57.9	57.9	1	ug/kg dry	MDW
Cadmium	02	7440-43-9	SW6020B	12/14/2023 12:00	12/18/2023 14:57	91.1		57.9	57.9	1	ug/kg dry	MDW
Cobalt	02	7440-48-4	SW6020B	12/14/2023 12:00	12/18/2023 14:57	11600		57.9	57.9	1	ug/kg dry	MDW
Chromium	02RE1	7440-47-3	SW6020B	12/14/2023 12:00	12/19/2023 11:39	31800		5790	5790	100	ug/kg dry	MDW
Copper	02RE1	7440-50-8	SW6020B	12/14/2023 12:00	12/19/2023 11:39	45200		5790	5790	100	ug/kg dry	MDW
Mercury	02	7439-97-6	SW7471B	12/19/2023 10:15	12/19/2023 12:50	0.037		0.009	0.009	1	mg/kg dry	SGT
Manganese	02RE1	7439-96-5	SW6020B	12/14/2023 12:00	12/19/2023 11:39	500000		5790	5790	100	ug/kg dry	MDW
Nickel	02	7440-02-0	SW6020B	12/14/2023 12:00	12/18/2023 14:57	13100		57.9	57.9	1	ug/kg dry	MDW
Lead	02RE1	7439-92-1	SW6020B	12/14/2023 12:00	12/19/2023 11:39	26900		5790	5790	100	ug/kg dry	MDW
Antimony	02	7440-36-0	SW6020B	12/14/2023 12:00	12/18/2023 14:57	132		57.9	57.9	1	ug/kg dry	MDW
Selenium	02	7782-49-2	SW6020B	12/14/2023 12:00	12/18/2023 14:57	2110		57.9	57.9	1	ug/kg dry	MDW
Thallium	02	7440-28-0	SW6020B	12/14/2023 12:00	12/18/2023 14:57	103		57.9	57.9	1	ug/kg dry	MDW
Vanadium	02RE1	7440-62-2	SW6020B	12/14/2023 12:00	12/19/2023 11:39	80400		28900	28900	100	ug/kg dry	MDW
Zinc	02RE1	7440-66-6	SW6020B	12/14/2023 12:00	12/19/2023 11:39	59900		28900	28900	100	ug/kg dry	MDW
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	02	630-20-6	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
1,1,1-Trichloroethane	02	71-55-6	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	02	79-34-5	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
1,1,2-Trichloroethane	02	79-00-5	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
1,1-Dichloroethane	02	75-34-3	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
1,1-Dichloroethylene	02	75-35-4	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	02	563-58-6	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	02	87-61-6	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
1,2,3-Trichloropropane	02	96-18-4	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	02	120-82-1	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	02	95-63-6	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	02	96-12-8	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	02	106-93-4	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
1,2-Dichlorobenzene	02	95-50-1	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
1,2-Dichloroethane	02	107-06-2	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
1,2-Dichloropropane	02	78-87-5	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	02	108-67-8	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
1,3-Dichlorobenzene	02	541-73-1	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
1,3-Dichloropropane	02	142-28-9	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
1,4-Dichlorobenzene	02	106-46-7	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
2,2-Dichloropropane	02	594-20-7	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
2-Butanone (MEK)	02	78-93-3	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
2-Chlorotoluene	02	95-49-8	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
2-Hexanone (MBK)	02	591-78-6	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
4-Chlorotoluene	02	106-43-4	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
4-Isopropyltoluene	02	99-87-6	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	02	108-10-1	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD	C	5.99	5.99	1	ug/kg dry	RJB
Acetone	02	67-64-1	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		12.0	12.0	1	ug/kg dry	RJB
Benzene	02	71-43-2	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
Bromobenzene	02	108-86-1	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB

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Volatile Organic Compounds by GCMS												
Bromochloromethane	02	74-97-5	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
Bromodichloromethane	02	75-27-4	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
Bromoform	02	75-25-2	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
Bromomethane	02	74-83-9	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD	C	5.99	5.99	1	ug/kg dry	RJB
Carbon disulfide	02	75-15-0	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
Carbon tetrachloride	02	56-23-5	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
Chlorobenzene	02	108-90-7	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
Chloroethane	02	75-00-3	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD	C	5.99	5.99	1	ug/kg dry	RJB
Chloroform	02	67-66-3	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
Chloromethane	02	74-87-3	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	02	156-59-2	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	02	10061-01-5	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
Dibromochloromethane	02	124-48-1	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
Dibromomethane	02	74-95-3	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
Dichlorodifluoromethane	02	75-71-8	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	02	108-20-3	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
Ethylbenzene	02	100-41-4	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
Hexachlorobutadiene	02	87-68-3	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
Iodomethane	02	74-88-4	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		12.0	12.0	1	ug/kg dry	RJB
Isopropylbenzene	02	98-82-8	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
m+p-Xylenes	02	179601-23-1	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
Methylene chloride	02	75-09-2	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	02	1634-04-4	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-45** **Laboratory Sample ID:** **23L0795-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	02	91-20-3	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
n-Butylbenzene	02	104-51-8	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
n-Propylbenzene	02	103-65-1	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
o-Xylene	02	95-47-6	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
sec-Butylbenzene	02	135-98-8	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
Styrene	02	100-42-5	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
tert-Butylbenzene	02	98-06-6	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	02	127-18-4	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD	C	5.99	5.99	1	ug/kg dry	RJB
Toluene	02	108-88-3	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	02	156-60-5	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	02	10061-02-6	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
Trichloroethylene	02	79-01-6	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
Trichlorofluoromethane	02	75-69-4	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD	C	5.99	5.99	1	ug/kg dry	RJB
Vinyl acetate	02	108-05-4	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	12.0	1	ug/kg dry	RJB
Vinyl chloride	02	75-01-4	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		5.99	5.99	1	ug/kg dry	RJB
Xylenes, Total	02	1330-20-7	SW8260D	12/14/2023 16:15	12/14/2023 16:15	BLOD		18.0	18.0	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*02*		*119 %*	*80-120*	*12/14/2023 16:15*	*12/14/2023 16:15*						
Surr: 4-Bromofluorobenzene (Surr)	*02*		*95.5 %*	*85-120*	*12/14/2023 16:15*	*12/14/2023 16:15*						
Surr: Dibromofluoromethane (Surr)	*02*		*103 %*	*80-130*	*12/14/2023 16:15*	*12/14/2023 16:15*						
Surr: Toluene-d8 (Surr)	*02*		*100 %*	*85-115*	*12/14/2023 16:15*	*12/14/2023 16:15*						

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Client Sample ID: **SC-45** **Laboratory Sample ID:** **23L0795-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	02	123-91-1	SW8270E SIM	12/15/2023 08:45	12/19/2023 18:23	BLOD		3.95	3.95	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*02*	*72.5 %*	*35-100*	*12/15/2023 08:45*	*12/19/2023 18:23*							
1,2,4,5-Tetrachlorobenzene	02	95-94-3	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
1,2,4-Trichlorobenzene	02	120-82-1	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
1,2-Dichlorobenzene	02	95-50-1	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
1,2-Diphenylhydrazine	02	122-66-7	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
1,3-Dichlorobenzene	02	541-73-1	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
1,3-Dinitrobenzene	02	99-65-0	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
1,4-Dichlorobenzene	02	106-46-7	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
1-Chloronaphthalene	02	90-13-1	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
1-Naphthylamine	02	134-32-7	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	02	58-90-2	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
2,4,5-Trichlorophenol	02	95-95-4	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
2,4,6-Trichlorophenol	02	88-06-2	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
2,4-Dichlorophenol	02	120-83-2	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
2,4-Dimethylphenol	02	105-67-9	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
2,4-Dinitrophenol	02	51-28-5	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
2,4-Dinitrotoluene	02	121-14-2	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
2,6-Dichlorophenol	02	87-65-0	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
2,6-Dinitrotoluene	02	606-20-2	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
2-Chloronaphthalene	02	91-58-7	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
2-Chlorophenol	02	95-57-8	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
2-Methylnaphthalene	02	91-57-6	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	02	91-59-8	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
2-Nitroaniline	02	88-74-4	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
2-Nitrophenol	02	88-75-5	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
3,3'-Dichlorobenzidine	02	91-94-1	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
3-Methylcholanthrene	02	56-49-5	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
3-Nitroaniline	02	99-09-2	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	02	534-52-1	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
4-Aminobiphenyl	02	92-67-1	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
4-Bromophenyl phenyl ether	02	101-55-3	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
4-Chloroaniline	02	106-47-8	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	02	7005-72-3	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
4-Nitroaniline	02	100-01-6	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
4-Nitrophenol	02	100-02-7	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	02	57-97-6	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Acenaphthene	02	83-32-9	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Acenaphthylene	02	208-96-8	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Acetophenone	02	98-86-2	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Aniline	02	62-53-3	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Anthracene	02	120-12-7	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Benzidine	02	92-87-5	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Benzo (a) anthracene	02	56-55-3	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Benzo (a) pyrene	02	50-32-8	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Benzo (b) fluoranthene	02	205-99-2	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Benzo (g,h,i) perylene	02	191-24-2	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD	C	98.8	98.8	1	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	02	207-08-9	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Benzoic acid	02	65-85-0	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Benzyl alcohol	02	100-51-6	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	02	111-91-1	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
bis (2-Chloroethyl) ether	02	111-44-4	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	02	108-60-1	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	02	117-81-7	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Butyl benzyl phthalate	02	85-68-7	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Chrysene	02	218-01-9	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Dibenz (a,h) anthracene	02	53-70-3	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD	C	98.8	98.8	1	ug/kg dry	BMS
Dibenz (a,j) acridine	02	224-42-0	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD	C	98.8	98.8	1	ug/kg dry	BMS
Dibenzofuran	02	132-64-9	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Diethyl phthalate	02	84-66-2	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Dimethyl phthalate	02	131-11-3	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Di-n-butyl phthalate	02	84-74-2	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Di-n-octyl phthalate	02	117-84-0	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Diphenylamine	02	122-39-4	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Ethyl methanesulfonate	02	62-50-0	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Fluoranthene	02	206-44-0	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Fluorene	02	86-73-7	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Hexachlorobenzene	02	118-74-1	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Hexachlorobutadiene	02	87-68-3	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Hexachlorocyclopentadiene	02	77-47-4	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Hexachloroethane	02	67-72-1	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	02	193-39-5	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Isophorone	02	78-59-1	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
m+p-Cresols	02	1319-77-3	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Methyl methanesulfonate	02	66-27-3	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Naphthalene	02	91-20-3	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Nitrobenzene	02	98-95-3	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
n-Nitrosodimethylamine	02	62-75-9	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	02	924-16-3	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	02	621-64-7	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
n-Nitrosodiphenylamine	02	86-30-6	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
n-Nitrosopiperidine	02	100-75-4	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
o+m+p-Cresols	02	1319-77-3	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
o-Cresol	02	95-48-7	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	02	60-11-7	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
p-Chloro-m-cresol	02	59-50-7	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	02	82-68-8	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Pentachlorophenol	02	87-86-5	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Phenacetin	02	62-44-2	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Phenanthrene	02	85-01-8	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Phenol	02	108-95-2	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Pronamide	02	23950-58-5	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Pyrene	02	129-00-0	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Pyridine	02	110-86-1	SW8270E	12/15/2023 08:45	12/27/2023 02:32	BLOD		98.8	98.8	1	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*02*	*58.2 %*	*15-96*	*12/15/2023 08:45*	*12/27/2023 02:32*							

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Client Sample ID: **SC-45** **Laboratory Sample ID:** **23L0795-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*02*		*57.7 %*	*19-105*	*12/15/2023 08:45*	*12/27/2023 02:32*						
Surr: 2-Fluorophenol (Surr)	*02*		*59.1 %*	*12-95*	*12/15/2023 08:45*	*12/27/2023 02:32*						
Surr: Nitrobenzene-d5 (Surr)	*02*		*64.9 %*	*21-100*	*12/15/2023 08:45*	*12/27/2023 02:32*						
Surr: Phenol-d5 (Surr)	*02*		*54.7 %*	*13-100*	*12/15/2023 08:45*	*12/27/2023 02:32*						
Surr: p-Terphenyl-d14 (Surr)	*02*		*62.6 %*	*25-125*	*12/15/2023 08:45*	*12/27/2023 02:32*						

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Client Sample ID: **SC-45** **Laboratory Sample ID:** **23L0795-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	02	14808-79-8	SW9056A	12/14/2023 12:28	12/15/2023 10:48	39.6		2.99	11.9	1	mg/kg dry	ATG

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Client Sample ID: **SC-45** **Laboratory Sample ID:** **23L0795-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	02	7664-41-7	EPA350.1 R2.0	12/27/2023 14:31	12/27/2023 15:11	BLOD		11.6	11.6	1	mg/kg dry	SPH
Chromium, Hexavalent	02	18540-29-9	SW7199	12/22/2023 09:00	12/22/2023 22:01	0.58		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	02	14797-55-8	SW9056A	12/14/2023 12:28	12/15/2023 10:48	BLOD		1.19	2.39	1	mg/kg dry	ATG
Percent Solids	02	NA	SM2540G-2011	12/20/2023 16:17	12/20/2023 16:17	83.7		0.10	0.10	1	%	LAM

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Client Sample ID: **SC-51** **Laboratory Sample ID:** **23L0795-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	03	7440-22-4	SW6020B	12/14/2023 12:00	12/18/2023 15:00	220		2.85	2.85	1	ug/kg dry	MDW
Arsenic	03	7440-38-2	SW6020B	12/14/2023 12:00	12/18/2023 15:00	17300		57.1	57.1	1	ug/kg dry	MDW
Barium	03RE1	7440-39-3	SW6020B	12/14/2023 12:00	12/19/2023 11:42	148000		57100	57100	100	ug/kg dry	MDW
Beryllium	03	7440-41-7	SW6020B	12/14/2023 12:00	12/18/2023 15:00	637		57.1	57.1	1	ug/kg dry	MDW
Cadmium	03	7440-43-9	SW6020B	12/14/2023 12:00	12/18/2023 15:00	235		57.1	57.1	1	ug/kg dry	MDW
Cobalt	03	7440-48-4	SW6020B	12/14/2023 12:00	12/18/2023 15:00	17400		57.1	57.1	1	ug/kg dry	MDW
Chromium	03RE1	7440-47-3	SW6020B	12/14/2023 12:00	12/19/2023 11:42	35500		5710	5710	100	ug/kg dry	MDW
Copper	03RE1	7440-50-8	SW6020B	12/14/2023 12:00	12/19/2023 11:42	112000		5710	5710	100	ug/kg dry	MDW
Mercury	03	7439-97-6	SW7471B	12/19/2023 10:15	12/19/2023 12:53	0.152		0.009	0.009	1	mg/kg dry	SGT
Manganese	03RE1	7439-96-5	SW6020B	12/14/2023 12:00	12/19/2023 11:42	913000		5710	5710	100	ug/kg dry	MDW
Nickel	03	7440-02-0	SW6020B	12/14/2023 12:00	12/18/2023 15:00	11800		57.1	57.1	1	ug/kg dry	MDW
Lead	03RE1	7439-92-1	SW6020B	12/14/2023 12:00	12/19/2023 11:42	183000		5710	5710	100	ug/kg dry	MDW
Antimony	03	7440-36-0	SW6020B	12/14/2023 12:00	12/18/2023 15:00	3460		57.1	57.1	1	ug/kg dry	MDW
Selenium	03	7782-49-2	SW6020B	12/14/2023 12:00	12/18/2023 15:00	1850		57.1	57.1	1	ug/kg dry	MDW
Thallium	03	7440-28-0	SW6020B	12/14/2023 12:00	12/18/2023 15:00	128		57.1	57.1	1	ug/kg dry	MDW
Vanadium	03RE1	7440-62-2	SW6020B	12/14/2023 12:00	12/19/2023 11:42	94600		28500	28500	100	ug/kg dry	MDW
Zinc	03RE1	7440-66-6	SW6020B	12/14/2023 12:00	12/19/2023 11:42	110000		28500	28500	100	ug/kg dry	MDW
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	03	630-20-6	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,1,1-Trichloroethane	03	71-55-6	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	03	79-34-5	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,1,2-Trichloroethane	03	79-00-5	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,1-Dichloroethane	03	75-34-3	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,1-Dichloroethylene	03	75-35-4	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB

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Client Sample ID: **SC-51** **Laboratory Sample ID:** **23L0795-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	03	563-58-6	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	03	87-61-6	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,2,3-Trichloropropane	03	96-18-4	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	03	120-82-1	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	03	95-63-6	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	03	96-12-8	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	03	106-93-4	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,2-Dichlorobenzene	03	95-50-1	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,2-Dichloroethane	03	107-06-2	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,2-Dichloropropane	03	78-87-5	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	03	108-67-8	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,3-Dichlorobenzene	03	541-73-1	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,3-Dichloropropane	03	142-28-9	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
1,4-Dichlorobenzene	03	106-46-7	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
2,2-Dichloropropane	03	594-20-7	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
2-Butanone (MEK)	03	78-93-3	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
2-Chlorotoluene	03	95-49-8	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
2-Hexanone (MBK)	03	591-78-6	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
4-Chlorotoluene	03	106-43-4	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
4-Isopropyltoluene	03	99-87-6	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	03	108-10-1	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD	C	4.80	5.00	1	ug/kg dry	RJB
Acetone	03	67-64-1	SW8260D	12/14/2023 16:38	12/14/2023 16:38	41.1		9.59	10.0	1	ug/kg dry	RJB
Benzene	03	71-43-2	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
Bromobenzene	03	108-86-1	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB

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Client Sample ID: SC-51 **Laboratory Sample ID:** 23L0795-03

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	03	74-97-5	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
Bromodichloromethane	03	75-27-4	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
Bromoform	03	75-25-2	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
Bromomethane	03	74-83-9	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD	C	4.80	5.00	1	ug/kg dry	RJB
Carbon disulfide	03	75-15-0	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
Carbon tetrachloride	03	56-23-5	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
Chlorobenzene	03	108-90-7	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
Chloroethane	03	75-00-3	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD	C	4.80	5.00	1	ug/kg dry	RJB
Chloroform	03	67-66-3	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
Chloromethane	03	74-87-3	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	03	156-59-2	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	03	10061-01-5	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
Dibromochloromethane	03	124-48-1	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
Dibromomethane	03	74-95-3	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
Dichlorodifluoromethane	03	75-71-8	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	03	108-20-3	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
Ethylbenzene	03	100-41-4	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
Hexachlorobutadiene	03	87-68-3	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
Iodomethane	03	74-88-4	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		9.59	10.0	1	ug/kg dry	RJB
Isopropylbenzene	03	98-82-8	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
m+p-Xylenes	03	179601-23-1	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
Methylene chloride	03	75-09-2	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	03	1634-04-4	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	03	91-20-3	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
n-Butylbenzene	03	104-51-8	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
n-Propylbenzene	03	103-65-1	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
o-Xylene	03	95-47-6	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
sec-Butylbenzene	03	135-98-8	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
Styrene	03	100-42-5	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
tert-Butylbenzene	03	98-06-6	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	03	127-18-4	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD	C	4.80	5.00	1	ug/kg dry	RJB
Toluene	03	108-88-3	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	03	156-60-5	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	03	10061-02-6	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
Trichloroethylene	03	79-01-6	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
Trichlorofluoromethane	03	75-69-4	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD	C	4.80	5.00	1	ug/kg dry	RJB
Vinyl acetate	03	108-05-4	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	10.0	1	ug/kg dry	RJB
Vinyl chloride	03	75-01-4	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		4.80	5.00	1	ug/kg dry	RJB
Xylenes, Total	03	1330-20-7	SW8260D	12/14/2023 16:38	12/14/2023 16:38	BLOD		14.4	15.0	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*03*	*120 %*	*80-120*	*12/14/2023 16:38*	*12/14/2023 16:38*							*S*
Surr: 4-Bromofluorobenzene (Surr)	*03*	*95.3 %*	*85-120*	*12/14/2023 16:38*	*12/14/2023 16:38*							
Surr: Dibromofluoromethane (Surr)	*03*	*103 %*	*80-130*	*12/14/2023 16:38*	*12/14/2023 16:38*							
Surr: Toluene-d8 (Surr)	*03*	*98.7 %*	*85-115*	*12/14/2023 16:38*	*12/14/2023 16:38*							

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Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-51** **Laboratory Sample ID:** **23L0795-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	03	123-91-1	SW8270E SIM	12/15/2023 12:30	12/19/2023 18:50	BLOD		3.82	3.82	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*03*	*77.5 %*	*35-100*	*12/15/2023 12:30*	*12/19/2023 18:50*							
1,2,4,5-Tetrachlorobenzene	03	95-94-3	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
1,2,4-Trichlorobenzene	03	120-82-1	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
1,2-Dichlorobenzene	03	95-50-1	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
1,2-Diphenylhydrazine	03	122-66-7	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
1,3-Dichlorobenzene	03	541-73-1	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
1,3-Dinitrobenzene	03	99-65-0	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
1,4-Dichlorobenzene	03	106-46-7	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
1-Chloronaphthalene	03	90-13-1	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
1-Naphthylamine	03	134-32-7	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	03	58-90-2	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
2,4,5-Trichlorophenol	03	95-95-4	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
2,4,6-Trichlorophenol	03	88-06-2	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
2,4-Dichlorophenol	03	120-83-2	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
2,4-Dimethylphenol	03	105-67-9	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
2,4-Dinitrophenol	03	51-28-5	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
2,4-Dinitrotoluene	03	121-14-2	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
2,6-Dichlorophenol	03	87-65-0	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
2,6-Dinitrotoluene	03	606-20-2	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
2-Chloronaphthalene	03	91-58-7	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
2-Chlorophenol	03	95-57-8	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
2-Methylnaphthalene	03	91-57-6	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS

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Client Sample ID: **SC-51** **Laboratory Sample ID:** **23L0795-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	03	91-59-8	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
2-Nitroaniline	03	88-74-4	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
2-Nitrophenol	03	88-75-5	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
3,3'-Dichlorobenzidine	03	91-94-1	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
3-Methylcholanthrene	03	56-49-5	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
3-Nitroaniline	03	99-09-2	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	03	534-52-1	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
4-Aminobiphenyl	03	92-67-1	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
4-Bromophenyl phenyl ether	03	101-55-3	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
4-Chloroaniline	03	106-47-8	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	03	7005-72-3	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
4-Nitroaniline	03	100-01-6	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
4-Nitrophenol	03	100-02-7	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	03	57-97-6	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Acenaphthene	03	83-32-9	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Acenaphthylene	03	208-96-8	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Acetophenone	03	98-86-2	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Aniline	03	62-53-3	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Anthracene	03	120-12-7	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Benzidine	03	92-87-5	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Benzo (a) anthracene	03	56-55-3	SW8270E	12/15/2023 12:30	12/28/2023 00:39	526		382	382	4	ug/kg dry	BMS
Benzo (a) pyrene	03	50-32-8	SW8270E	12/15/2023 12:30	12/28/2023 00:39	717		382	382	4	ug/kg dry	BMS
Benzo (b) fluoranthene	03	205-99-2	SW8270E	12/15/2023 12:30	12/28/2023 00:39	907		382	382	4	ug/kg dry	BMS
Benzo (g,h,i) perylene	03	191-24-2	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS

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Client Sample ID: **SC-51** **Laboratory Sample ID:** **23L0795-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	03	207-08-9	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Benzoic acid	03	65-85-0	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Benzyl alcohol	03	100-51-6	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	03	111-91-1	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
bis (2-Chloroethyl) ether	03	111-44-4	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	03	108-60-1	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	03	117-81-7	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Butyl benzyl phthalate	03	85-68-7	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Chrysene	03	218-01-9	SW8270E	12/15/2023 12:30	12/28/2023 00:39	385		382	382	4	ug/kg dry	BMS
Dibenz (a,h) anthracene	03	53-70-3	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Dibenz (a,j) acridine	03	224-42-0	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Dibenzofuran	03	132-64-9	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Diethyl phthalate	03	84-66-2	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Dimethyl phthalate	03	131-11-3	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Di-n-butyl phthalate	03	84-74-2	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Di-n-octyl phthalate	03	117-84-0	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Diphenylamine	03	122-39-4	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Ethyl methanesulfonate	03	62-50-0	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Fluoranthene	03	206-44-0	SW8270E	12/15/2023 12:30	12/28/2023 00:39	720		382	382	4	ug/kg dry	BMS
Fluorene	03	86-73-7	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Hexachlorobenzene	03	118-74-1	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Hexachlorobutadiene	03	87-68-3	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Hexachlorocyclopentadiene	03	77-47-4	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Hexachloroethane	03	67-72-1	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	03	193-39-5	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Isophorone	03	78-59-1	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
m+p-Cresols	03	1319-77-3	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Methyl methanesulfonate	03	66-27-3	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Naphthalene	03	91-20-3	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Nitrobenzene	03	98-95-3	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
n-Nitrosodimethylamine	03	62-75-9	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	03	924-16-3	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	03	621-64-7	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
n-Nitrosodiphenylamine	03	86-30-6	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
n-Nitrosopiperidine	03	100-75-4	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
o+m+p-Cresols	03	1319-77-3	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
o-Cresol	03	95-48-7	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	03	60-11-7	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
p-Chloro-m-cresol	03	59-50-7	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	03	82-68-8	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Pentachlorophenol	03	87-86-5	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Phenacetin	03	62-44-2	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Phenanthrene	03	85-01-8	SW8270E	12/15/2023 12:30	12/28/2023 00:39	560		382	382	4	ug/kg dry	BMS
Phenol	03	108-95-2	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Pronamide	03	23950-58-5	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Pyrene	03	129-00-0	SW8270E	12/15/2023 12:30	12/28/2023 00:39	746		382	382	4	ug/kg dry	BMS
Pyridine	03	110-86-1	SW8270E	12/15/2023 12:30	12/28/2023 00:39	BLOD		382	382	4	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*03*		*44.4 %*	*15-96*	*12/15/2023 12:30*	*12/28/2023 00:39*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*03*		*49.6 %*	*19-105*	*12/15/2023 12:30*	*12/28/2023 00:39*						
Surr: 2-Fluorophenol (Surr)	*03*		*53.1 %*	*12-95*	*12/15/2023 12:30*	*12/28/2023 00:39*						
Surr: Nitrobenzene-d5 (Surr)	*03*		*60.6 %*	*21-100*	*12/15/2023 12:30*	*12/28/2023 00:39*						
Surr: Phenol-d5 (Surr)	*03*		*51.9 %*	*13-100*	*12/15/2023 12:30*	*12/28/2023 00:39*						
Surr: p-Terphenyl-d14 (Surr)	*03*		*51.8 %*	*25-125*	*12/15/2023 12:30*	*12/28/2023 00:39*						

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Ion Chromatography Analyses												
Sulfate	03	14808-79-8	SW9056A	12/14/2023 12:28	12/15/2023 11:10	74.1		2.94	11.8	1	mg/kg dry	ATG

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-51** **Laboratory Sample ID:** **23L0795-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	03	7664-41-7	EPA350.1 R2.0	12/27/2023 14:31	12/27/2023 15:13	BLOD		11.2	11.2	1	mg/kg dry	SPH
Chromium, Hexavalent	03	18540-29-9	SW7199	12/22/2023 09:00	12/22/2023 22:27	0.55		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	03	14797-55-8	SW9056A	12/14/2023 12:28	12/15/2023 11:10	BLOD		1.18	2.36	1	mg/kg dry	ATG
Percent Solids	03	NA	SM2540G-2011	12/20/2023 16:17	12/20/2023 16:17	84.9		0.10	0.10	1	%	LAM

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-46** **Laboratory Sample ID:** **23L0795-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	04	7440-22-4	SW6020B	12/14/2023 12:00	12/18/2023 15:03	88.9		2.84	2.84	1	ug/kg dry	MDW
Arsenic	04	7440-38-2	SW6020B	12/14/2023 12:00	12/18/2023 15:03	5030		56.9	56.9	1	ug/kg dry	MDW
Barium	04RE1	7440-39-3	SW6020B	12/14/2023 12:00	12/19/2023 11:45	154000		56900	56900	100	ug/kg dry	MDW
Beryllium	04	7440-41-7	SW6020B	12/14/2023 12:00	12/18/2023 15:03	577		56.9	56.9	1	ug/kg dry	MDW
Cadmium	04	7440-43-9	SW6020B	12/14/2023 12:00	12/18/2023 15:03	106		56.9	56.9	1	ug/kg dry	MDW
Cobalt	04	7440-48-4	SW6020B	12/14/2023 12:00	12/18/2023 15:03	13700		56.9	56.9	1	ug/kg dry	MDW
Chromium	04RE1	7440-47-3	SW6020B	12/14/2023 12:00	12/19/2023 11:45	30300		5690	5690	100	ug/kg dry	MDW
Copper	04RE1	7440-50-8	SW6020B	12/14/2023 12:00	12/19/2023 11:45	51700		5690	5690	100	ug/kg dry	MDW
Mercury	04	7439-97-6	SW7471B	12/19/2023 10:15	12/19/2023 12:55	0.058		0.009	0.009	1	mg/kg dry	SGT
Manganese	04RE1	7439-96-5	SW6020B	12/14/2023 12:00	12/19/2023 11:45	505000		5690	5690	100	ug/kg dry	MDW
Nickel	04	7440-02-0	SW6020B	12/14/2023 12:00	12/18/2023 15:03	16900		56.9	56.9	1	ug/kg dry	MDW
Lead	04RE1	7439-92-1	SW6020B	12/14/2023 12:00	12/19/2023 11:45	50600		5690	5690	100	ug/kg dry	MDW
Antimony	04	7440-36-0	SW6020B	12/14/2023 12:00	12/18/2023 15:03	317		56.9	56.9	1	ug/kg dry	MDW
Selenium	04	7782-49-2	SW6020B	12/14/2023 12:00	12/18/2023 15:03	1480		56.9	56.9	1	ug/kg dry	MDW
Thallium	04	7440-28-0	SW6020B	12/14/2023 12:00	12/18/2023 15:03	100		56.9	56.9	1	ug/kg dry	MDW
Vanadium	04RE1	7440-62-2	SW6020B	12/14/2023 12:00	12/19/2023 11:45	71900		28400	28400	100	ug/kg dry	MDW
Zinc	04RE1	7440-66-6	SW6020B	12/14/2023 12:00	12/19/2023 11:45	78100		28400	28400	100	ug/kg dry	MDW
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	04	630-20-6	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
1,1,1-Trichloroethane	04	71-55-6	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	04	79-34-5	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
1,1,2-Trichloroethane	04	79-00-5	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
1,1-Dichloroethane	04	75-34-3	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
1,1-Dichloroethylene	04	75-35-4	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-46** **Laboratory Sample ID:** **23L0795-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	04	563-58-6	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	04	87-61-6	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
1,2,3-Trichloropropane	04	96-18-4	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	04	120-82-1	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	04	95-63-6	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	04	96-12-8	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	04	106-93-4	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
1,2-Dichlorobenzene	04	95-50-1	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
1,2-Dichloroethane	04	107-06-2	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
1,2-Dichloropropane	04	78-87-5	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	04	108-67-8	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
1,3-Dichlorobenzene	04	541-73-1	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
1,3-Dichloropropane	04	142-28-9	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
1,4-Dichlorobenzene	04	106-46-7	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
2,2-Dichloropropane	04	594-20-7	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
2-Butanone (MEK)	04	78-93-3	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
2-Chlorotoluene	04	95-49-8	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
2-Hexanone (MBK)	04	591-78-6	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
4-Chlorotoluene	04	106-43-4	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
4-Isopropyltoluene	04	99-87-6	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	04	108-10-1	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD	C	4.88	5.00	1	ug/kg dry	RJB
Acetone	04	67-64-1	SW8260D	12/14/2023 17:02	12/14/2023 17:02	48.4		9.77	10.0	1	ug/kg dry	RJB
Benzene	04	71-43-2	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
Bromobenzene	04	108-86-1	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-46** **Laboratory Sample ID:** **23L0795-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	04	74-97-5	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
Bromodichloromethane	04	75-27-4	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
Bromoform	04	75-25-2	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
Bromomethane	04	74-83-9	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD	C	4.88	5.00	1	ug/kg dry	RJB
Carbon disulfide	04	75-15-0	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
Carbon tetrachloride	04	56-23-5	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
Chlorobenzene	04	108-90-7	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
Chloroethane	04	75-00-3	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD	C	4.88	5.00	1	ug/kg dry	RJB
Chloroform	04	67-66-3	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
Chloromethane	04	74-87-3	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	04	156-59-2	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	04	10061-01-5	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
Dibromochloromethane	04	124-48-1	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
Dibromomethane	04	74-95-3	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
Dichlorodifluoromethane	04	75-71-8	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	04	108-20-3	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
Ethylbenzene	04	100-41-4	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
Hexachlorobutadiene	04	87-68-3	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
Iodomethane	04	74-88-4	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		9.77	10.0	1	ug/kg dry	RJB
Isopropylbenzene	04	98-82-8	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
m+p-Xylenes	04	179601-23-1	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
Methylene chloride	04	75-09-2	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	04	1634-04-4	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB

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Client Sample ID: **SC-46** **Laboratory Sample ID:** **23L0795-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	04	91-20-3	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
n-Butylbenzene	04	104-51-8	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
n-Propylbenzene	04	103-65-1	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
o-Xylene	04	95-47-6	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
sec-Butylbenzene	04	135-98-8	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
Styrene	04	100-42-5	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
tert-Butylbenzene	04	98-06-6	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	04	127-18-4	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD	C	4.88	5.00	1	ug/kg dry	RJB
Toluene	04	108-88-3	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	04	156-60-5	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	04	10061-02-6	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
Trichloroethylene	04	79-01-6	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
Trichlorofluoromethane	04	75-69-4	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD	C	4.88	5.00	1	ug/kg dry	RJB
Vinyl acetate	04	108-05-4	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	10.0	1	ug/kg dry	RJB
Vinyl chloride	04	75-01-4	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		4.88	5.00	1	ug/kg dry	RJB
Xylenes, Total	04	1330-20-7	SW8260D	12/14/2023 17:02	12/14/2023 17:02	BLOD		14.7	15.0	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*04*	*120 %*	*80-120*	*12/14/2023 17:02*	*12/14/2023 17:02*							*S*
Surr: 4-Bromofluorobenzene (Surr)	*04*	*95.8 %*	*85-120*	*12/14/2023 17:02*	*12/14/2023 17:02*							
Surr: Dibromofluoromethane (Surr)	*04*	*103 %*	*80-130*	*12/14/2023 17:02*	*12/14/2023 17:02*							
Surr: Toluene-d8 (Surr)	*04*	*98.1 %*	*85-115*	*12/14/2023 17:02*	*12/14/2023 17:02*							

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Client Sample ID: **SC-46** **Laboratory Sample ID:** **23L0795-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	04	123-91-1	SW8270E SIM	12/15/2023 12:30	12/19/2023 19:17	BLOD		3.83	3.83	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*04*	*76.7 %*	*35-100*	*12/15/2023 12:30*	*12/19/2023 19:17*							
1,2,4,5-Tetrachlorobenzene	04	95-94-3	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
1,2,4-Trichlorobenzene	04	120-82-1	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
1,2-Dichlorobenzene	04	95-50-1	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
1,2-Diphenylhydrazine	04	122-66-7	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
1,3-Dichlorobenzene	04	541-73-1	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
1,3-Dinitrobenzene	04	99-65-0	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
1,4-Dichlorobenzene	04	106-46-7	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
1-Chloronaphthalene	04	90-13-1	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
1-Naphthylamine	04	134-32-7	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	04	58-90-2	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
2,4,5-Trichlorophenol	04	95-95-4	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
2,4,6-Trichlorophenol	04	88-06-2	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
2,4-Dichlorophenol	04	120-83-2	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
2,4-Dimethylphenol	04	105-67-9	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
2,4-Dinitrophenol	04	51-28-5	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
2,4-Dinitrotoluene	04	121-14-2	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
2,6-Dichlorophenol	04	87-65-0	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
2,6-Dinitrotoluene	04	606-20-2	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
2-Chloronaphthalene	04	91-58-7	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
2-Chlorophenol	04	95-57-8	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
2-Methylnaphthalene	04	91-57-6	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-46** **Laboratory Sample ID:** **23L0795-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	04	91-59-8	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
2-Nitroaniline	04	88-74-4	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
2-Nitrophenol	04	88-75-5	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
3,3'-Dichlorobenzidine	04	91-94-1	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
3-Methylcholanthrene	04	56-49-5	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
3-Nitroaniline	04	99-09-2	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	04	534-52-1	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
4-Aminobiphenyl	04	92-67-1	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
4-Bromophenyl phenyl ether	04	101-55-3	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
4-Chloroaniline	04	106-47-8	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	04	7005-72-3	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
4-Nitroaniline	04	100-01-6	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
4-Nitrophenol	04	100-02-7	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	04	57-97-6	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Acenaphthene	04	83-32-9	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Acenaphthylene	04	208-96-8	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Acetophenone	04	98-86-2	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Aniline	04	62-53-3	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Anthracene	04	120-12-7	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Benzidine	04	92-87-5	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Benzo (a) anthracene	04	56-55-3	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Benzo (a) pyrene	04	50-32-8	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Benzo (b) fluoranthene	04	205-99-2	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Benzo (g,h,i) perylene	04	191-24-2	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-46** **Laboratory Sample ID:** **23L0795-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	04	207-08-9	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Benzoic acid	04	65-85-0	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Benzyl alcohol	04	100-51-6	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	04	111-91-1	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
bis (2-Chloroethyl) ether	04	111-44-4	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	04	108-60-1	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	04	117-81-7	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Butyl benzyl phthalate	04	85-68-7	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Chrysene	04	218-01-9	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Dibenz (a,h) anthracene	04	53-70-3	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Dibenz (a,j) acridine	04	224-42-0	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Dibenzofuran	04	132-64-9	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Diethyl phthalate	04	84-66-2	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Dimethyl phthalate	04	131-11-3	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Di-n-butyl phthalate	04	84-74-2	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Di-n-octyl phthalate	04	117-84-0	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Diphenylamine	04	122-39-4	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Ethyl methanesulfonate	04	62-50-0	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Fluoranthene	04	206-44-0	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Fluorene	04	86-73-7	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Hexachlorobenzene	04	118-74-1	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Hexachlorobutadiene	04	87-68-3	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Hexachlorocyclopentadiene	04	77-47-4	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Hexachloroethane	04	67-72-1	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-46** **Laboratory Sample ID:** **23L0795-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	04	193-39-5	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Isophorone	04	78-59-1	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
m+p-Cresols	04	1319-77-3	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Methyl methanesulfonate	04	66-27-3	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Naphthalene	04	91-20-3	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Nitrobenzene	04	98-95-3	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
n-Nitrosodimethylamine	04	62-75-9	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	04	924-16-3	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	04	621-64-7	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
n-Nitrosodiphenylamine	04	86-30-6	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
n-Nitrosopiperidine	04	100-75-4	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
o+m+p-Cresols	04	1319-77-3	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
o-Cresol	04	95-48-7	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	04	60-11-7	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
p-Chloro-m-cresol	04	59-50-7	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	04	82-68-8	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Pentachlorophenol	04	87-86-5	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD	C	95.9	95.9	1	ug/kg dry	BMS
Phenacetin	04	62-44-2	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Phenanthrene	04	85-01-8	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Phenol	04	108-95-2	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Pronamide	04	23950-58-5	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Pyrene	04	129-00-0	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Pyridine	04	110-86-1	SW8270E	12/15/2023 12:30	12/18/2023 16:43	BLOD		95.9	95.9	1	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*04*	*48.6 %*	*15-96*	*12/15/2023 12:30*	*12/18/2023 16:43*							

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*04*		*46.4 %*	*19-105*	*12/15/2023 12:30*	*12/18/2023 16:43*						
Surr: 2-Fluorophenol (Surr)	*04*		*52.5 %*	*12-95*	*12/15/2023 12:30*	*12/18/2023 16:43*						
Surr: Nitrobenzene-d5 (Surr)	*04*		*53.0 %*	*21-100*	*12/15/2023 12:30*	*12/18/2023 16:43*						
Surr: Phenol-d5 (Surr)	*04*		*45.8 %*	*13-100*	*12/15/2023 12:30*	*12/18/2023 16:43*						
Surr: p-Terphenyl-d14 (Surr)	*04*		*48.4 %*	*25-125*	*12/15/2023 12:30*	*12/18/2023 16:43*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	04	14808-79-8	SW9056A	12/14/2023 10:00	12/14/2023 10:00	6.56	J	2.89	11.5	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	04	7664-41-7	EPA350.1 R2.0	12/27/2023 14:31	12/27/2023 15:15	BLOD		11.0	11.0	1	mg/kg dry	SPH
Chromium, Hexavalent	04	18540-29-9	SW7199	12/22/2023 09:00	12/22/2023 22:54	0.45		0.23	0.23	1	mg/kg dry	MGC
Nitrate as N	04	14797-55-8	SW9056A	12/14/2023 10:00	12/14/2023 10:00	1.58	J	1.15	2.31	1	mg/kg dry	ATG
Percent Solids	04	NA	SM2540G-2011	12/20/2023 16:17	12/20/2023 16:17	86.6		0.10	0.10	1	%	LAM

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Client Sample ID: **SC-37** **Laboratory Sample ID:** **23L0795-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	05	7440-22-4	SW6020B	12/14/2023 12:00	12/18/2023 15:46	44.8		2.84	2.84	1	ug/kg dry	MDW
Arsenic	05	7440-38-2	SW6020B	12/14/2023 12:00	12/18/2023 15:46	2050		56.9	56.9	1	ug/kg dry	MDW
Barium	05RE1	7440-39-3	SW6020B	12/14/2023 12:00	12/19/2023 11:48	179000		56900	56900	100	ug/kg dry	MDW
Beryllium	05	7440-41-7	SW6020B	12/14/2023 12:00	12/18/2023 15:46	776		56.9	56.9	1	ug/kg dry	MDW
Cadmium	05	7440-43-9	SW6020B	12/14/2023 12:00	12/18/2023 15:46	78.2		56.9	56.9	1	ug/kg dry	MDW
Cobalt	05	7440-48-4	SW6020B	12/14/2023 12:00	12/18/2023 15:46	14000		56.9	56.9	1	ug/kg dry	MDW
Chromium	05RE1	7440-47-3	SW6020B	12/14/2023 12:00	12/19/2023 11:48	35800		5690	5690	100	ug/kg dry	MDW
Copper	05RE1	7440-50-8	SW6020B	12/14/2023 12:00	12/19/2023 11:48	50800		5690	5690	100	ug/kg dry	MDW
Mercury	05	7439-97-6	SW7471B	12/19/2023 10:15	12/19/2023 12:58	0.016		0.010	0.010	1	mg/kg dry	SGT
Manganese	05RE1	7439-96-5	SW6020B	12/14/2023 12:00	12/19/2023 11:48	417000		5690	5690	100	ug/kg dry	MDW
Nickel	05	7440-02-0	SW6020B	12/14/2023 12:00	12/18/2023 15:46	18900		56.9	56.9	1	ug/kg dry	MDW
Lead	05	7439-92-1	SW6020B	12/14/2023 12:00	12/18/2023 15:46	10700		56.9	56.9	1	ug/kg dry	MDW
Antimony	05	7440-36-0	SW6020B	12/14/2023 12:00	12/18/2023 15:46	BLOD		56.9	56.9	1	ug/kg dry	MDW
Selenium	05	7782-49-2	SW6020B	12/14/2023 12:00	12/18/2023 15:46	1290		56.9	56.9	1	ug/kg dry	MDW
Thallium	05	7440-28-0	SW6020B	12/14/2023 12:00	12/18/2023 15:46	124		56.9	56.9	1	ug/kg dry	MDW
Vanadium	05RE1	7440-62-2	SW6020B	12/14/2023 12:00	12/19/2023 11:48	89600		28400	28400	100	ug/kg dry	MDW
Zinc	05RE1	7440-66-6	SW6020B	12/14/2023 12:00	12/19/2023 11:48	64200		28400	28400	100	ug/kg dry	MDW
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	05	630-20-6	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,1,1-Trichloroethane	05	71-55-6	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	05	79-34-5	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,1,2-Trichloroethane	05	79-00-5	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,1-Dichloroethane	05	75-34-3	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,1-Dichloroethylene	05	75-35-4	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB

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Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-37** **Laboratory Sample ID:** **23L0795-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	05	563-58-6	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	05	87-61-6	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,2,3-Trichloropropane	05	96-18-4	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	05	120-82-1	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	05	95-63-6	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	05	96-12-8	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	05	106-93-4	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,2-Dichlorobenzene	05	95-50-1	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,2-Dichloroethane	05	107-06-2	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,2-Dichloropropane	05	78-87-5	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	05	108-67-8	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,3-Dichlorobenzene	05	541-73-1	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,3-Dichloropropane	05	142-28-9	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,4-Dichlorobenzene	05	106-46-7	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
2,2-Dichloropropane	05	594-20-7	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
2-Butanone (MEK)	05	78-93-3	SW8260D	12/14/2023 17:25	12/14/2023 17:25	7.17		5.41	5.41	1	ug/kg dry	RJB
2-Chlorotoluene	05	95-49-8	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
2-Hexanone (MBK)	05	591-78-6	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
4-Chlorotoluene	05	106-43-4	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
4-Isopropyltoluene	05	99-87-6	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	05	108-10-1	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD	C	5.41	5.41	1	ug/kg dry	RJB
Acetone	05	67-64-1	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		10.8	10.8	1	ug/kg dry	RJB
Benzene	05	71-43-2	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
Bromobenzene	05	108-86-1	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-37 **Laboratory Sample ID:** 23L0795-05

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	05	74-97-5	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
Bromodichloromethane	05	75-27-4	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
Bromoform	05	75-25-2	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
Bromomethane	05	74-83-9	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD	C	5.41	5.41	1	ug/kg dry	RJB
Carbon disulfide	05	75-15-0	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
Carbon tetrachloride	05	56-23-5	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
Chlorobenzene	05	108-90-7	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
Chloroethane	05	75-00-3	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD	C	5.41	5.41	1	ug/kg dry	RJB
Chloroform	05	67-66-3	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
Chloromethane	05	74-87-3	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	05	156-59-2	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	05	10061-01-5	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
Dibromochloromethane	05	124-48-1	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
Dibromomethane	05	74-95-3	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
Dichlorodifluoromethane	05	75-71-8	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	05	108-20-3	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
Ethylbenzene	05	100-41-4	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
Hexachlorobutadiene	05	87-68-3	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
Iodomethane	05	74-88-4	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		10.8	10.8	1	ug/kg dry	RJB
Isopropylbenzene	05	98-82-8	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
m+p-Xylenes	05	179601-23-1	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
Methylene chloride	05	75-09-2	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	05	1634-04-4	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-37** **Laboratory Sample ID:** **23L0795-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	05	91-20-3	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
n-Butylbenzene	05	104-51-8	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
n-Propylbenzene	05	103-65-1	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
o-Xylene	05	95-47-6	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
sec-Butylbenzene	05	135-98-8	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
Styrene	05	100-42-5	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
tert-Butylbenzene	05	98-06-6	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	05	127-18-4	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD	C	5.41	5.41	1	ug/kg dry	RJB
Toluene	05	108-88-3	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	05	156-60-5	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	05	10061-02-6	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
Trichloroethylene	05	79-01-6	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
Trichlorofluoromethane	05	75-69-4	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD	C	5.41	5.41	1	ug/kg dry	RJB
Vinyl acetate	05	108-05-4	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	10.8	1	ug/kg dry	RJB
Vinyl chloride	05	75-01-4	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		5.41	5.41	1	ug/kg dry	RJB
Xylenes, Total	05	1330-20-7	SW8260D	12/14/2023 17:25	12/14/2023 17:25	BLOD		16.2	16.2	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*05*		*117 %*	*80-120*	*12/14/2023 17:25*	*12/14/2023 17:25*						
Surr: 4-Bromofluorobenzene (Surr)	*05*		*92.8 %*	*85-120*	*12/14/2023 17:25*	*12/14/2023 17:25*						
Surr: Dibromofluoromethane (Surr)	*05*		*105 %*	*80-130*	*12/14/2023 17:25*	*12/14/2023 17:25*						
Surr: Toluene-d8 (Surr)	*05*		*98.5 %*	*85-115*	*12/14/2023 17:25*	*12/14/2023 17:25*						

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Client Sample ID: **SC-37** **Laboratory Sample ID:** **23L0795-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	05	123-91-1	SW8270E SIM	12/15/2023 12:30	12/19/2023 19:44	BLOD		4.05	4.05	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*05*	*60.5 %*	*35-100*	*12/15/2023 12:30*	*12/19/2023 19:44*							
1,2,4,5-Tetrachlorobenzene	05	95-94-3	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
1,2,4-Trichlorobenzene	05	120-82-1	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
1,2-Dichlorobenzene	05	95-50-1	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
1,2-Diphenylhydrazine	05	122-66-7	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
1,3-Dichlorobenzene	05	541-73-1	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
1,3-Dinitrobenzene	05	99-65-0	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
1,4-Dichlorobenzene	05	106-46-7	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
1-Chloronaphthalene	05	90-13-1	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
1-Naphthylamine	05	134-32-7	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	05	58-90-2	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
2,4,5-Trichlorophenol	05	95-95-4	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
2,4,6-Trichlorophenol	05	88-06-2	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
2,4-Dichlorophenol	05	120-83-2	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
2,4-Dimethylphenol	05	105-67-9	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
2,4-Dinitrophenol	05	51-28-5	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
2,4-Dinitrotoluene	05	121-14-2	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
2,6-Dichlorophenol	05	87-65-0	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
2,6-Dinitrotoluene	05	606-20-2	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
2-Chloronaphthalene	05	91-58-7	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
2-Chlorophenol	05	95-57-8	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
2-Methylnaphthalene	05	91-57-6	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	05	91-59-8	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
2-Nitroaniline	05	88-74-4	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
2-Nitrophenol	05	88-75-5	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
3,3'-Dichlorobenzidine	05	91-94-1	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
3-Methylcholanthrene	05	56-49-5	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
3-Nitroaniline	05	99-09-2	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	05	534-52-1	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
4-Aminobiphenyl	05	92-67-1	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
4-Bromophenyl phenyl ether	05	101-55-3	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
4-Chloroaniline	05	106-47-8	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	05	7005-72-3	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
4-Nitroaniline	05	100-01-6	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
4-Nitrophenol	05	100-02-7	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	05	57-97-6	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Acenaphthene	05	83-32-9	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Acenaphthylene	05	208-96-8	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Acetophenone	05	98-86-2	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Aniline	05	62-53-3	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Anthracene	05	120-12-7	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Benzidine	05	92-87-5	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Benzo (a) anthracene	05	56-55-3	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Benzo (a) pyrene	05	50-32-8	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Benzo (b) fluoranthene	05	205-99-2	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Benzo (g,h,i) perylene	05	191-24-2	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS

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Client Sample ID: SC-37 **Laboratory Sample ID:** 23L0795-05

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	05	207-08-9	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Benzoic acid	05	65-85-0	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Benzyl alcohol	05	100-51-6	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	05	111-91-1	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
bis (2-Chloroethyl) ether	05	111-44-4	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	05	108-60-1	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	05	117-81-7	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Butyl benzyl phthalate	05	85-68-7	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Chrysene	05	218-01-9	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Dibenz (a,h) anthracene	05	53-70-3	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Dibenz (a,j) acridine	05	224-42-0	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Dibenzofuran	05	132-64-9	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Diethyl phthalate	05	84-66-2	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Dimethyl phthalate	05	131-11-3	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Di-n-butyl phthalate	05	84-74-2	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Di-n-octyl phthalate	05	117-84-0	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Diphenylamine	05	122-39-4	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Ethyl methanesulfonate	05	62-50-0	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Fluoranthene	05	206-44-0	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Fluorene	05	86-73-7	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Hexachlorobenzene	05	118-74-1	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Hexachlorobutadiene	05	87-68-3	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Hexachlorocyclopentadiene	05	77-47-4	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Hexachloroethane	05	67-72-1	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS

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Client Sample ID: SC-37 **Laboratory Sample ID:** 23L0795-05

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	05	193-39-5	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Isophorone	05	78-59-1	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
m+p-Cresols	05	1319-77-3	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Methyl methanesulfonate	05	66-27-3	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Naphthalene	05	91-20-3	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Nitrobenzene	05	98-95-3	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
n-Nitrosodimethylamine	05	62-75-9	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	05	924-16-3	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	05	621-64-7	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
n-Nitrosodiphenylamine	05	86-30-6	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
n-Nitrosopiperidine	05	100-75-4	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
o+m+p-Cresols	05	1319-77-3	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
o-Cresol	05	95-48-7	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	05	60-11-7	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
p-Chloro-m-cresol	05	59-50-7	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	05	82-68-8	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Pentachlorophenol	05	87-86-5	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD	C	101	101	1	ug/kg dry	BMS
Phenacetin	05	62-44-2	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Phenanthrene	05	85-01-8	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Phenol	05	108-95-2	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Pronamide	05	23950-58-5	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Pyrene	05	129-00-0	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Pyridine	05	110-86-1	SW8270E	12/15/2023 12:30	12/18/2023 17:18	BLOD		101	101	1	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*05*	*43.4 %*	*15-96*	*12/15/2023 12:30*	*12/18/2023 17:18*							

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Client Sample ID: **SC-37** **Laboratory Sample ID:** **23L0795-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*05*		*36.7 %*	*19-105*	*12/15/2023 12:30*	*12/18/2023 17:18*						
Surr: 2-Fluorophenol (Surr)	*05*		*41.3 %*	*12-95*	*12/15/2023 12:30*	*12/18/2023 17:18*						
Surr: Nitrobenzene-d5 (Surr)	*05*		*41.8 %*	*21-100*	*12/15/2023 12:30*	*12/18/2023 17:18*						
Surr: Phenol-d5 (Surr)	*05*		*37.4 %*	*13-100*	*12/15/2023 12:30*	*12/18/2023 17:18*						
Surr: p-Terphenyl-d14 (Surr)	*05*		*43.8 %*	*25-125*	*12/15/2023 12:30*	*12/18/2023 17:18*						

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Ion Chromatography Analyses												
Sulfate	05	14808-79-8	SW9056A	12/14/2023 10:00	12/14/2023 10:00	6.86	J	3.06	12.2	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	05	7664-41-7	EPA350.1 R2.0	12/28/2023 16:07	12/28/2023 16:07	BLOD		12.1	12.1	1	mg/kg dry	LAM
Chromium, Hexavalent	05	18540-29-9	SW7199	12/22/2023 09:00	12/22/2023 23:21	0.43		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	05	14797-55-8	SW9056A	12/14/2023 10:00	12/14/2023 10:00	2.06	J	1.22	2.45	1	mg/kg dry	ATG
Percent Solids	05	NA	SM2540G-2011	12/20/2023 16:17	12/20/2023 16:17	81.7		0.10	0.10	1	%	LAM

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Client Sample ID: **SC-26** **Laboratory Sample ID:** **23L0795-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	06	7440-22-4	SW6020B	12/14/2023 12:00	12/18/2023 15:49	15.9		2.93	2.93	1	ug/kg dry	MDW
Arsenic	06	7440-38-2	SW6020B	12/14/2023 12:00	12/18/2023 15:49	1370		58.6	58.6	1	ug/kg dry	MDW
Barium	06RE1	7440-39-3	SW6020B	12/14/2023 12:00	12/19/2023 11:51	156000		58600	58600	100	ug/kg dry	MDW
Beryllium	06	7440-41-7	SW6020B	12/14/2023 12:00	12/18/2023 15:49	721		58.6	58.6	1	ug/kg dry	MDW
Cadmium	06	7440-43-9	SW6020B	12/14/2023 12:00	12/18/2023 15:49	89.4		58.6	58.6	1	ug/kg dry	MDW
Cobalt	06	7440-48-4	SW6020B	12/14/2023 12:00	12/18/2023 15:49	13600		58.6	58.6	1	ug/kg dry	MDW
Chromium	06RE1	7440-47-3	SW6020B	12/14/2023 12:00	12/19/2023 11:51	36900		5860	5860	100	ug/kg dry	MDW
Copper	06RE1	7440-50-8	SW6020B	12/14/2023 12:00	12/19/2023 11:51	40300		5860	5860	100	ug/kg dry	MDW
Mercury	06	7439-97-6	SW7471B	12/19/2023 10:15	12/19/2023 13:00	BLOD		0.009	0.009	1	mg/kg dry	SGT
Manganese	06RE1	7439-96-5	SW6020B	12/14/2023 12:00	12/19/2023 11:51	483000		5860	5860	100	ug/kg dry	MDW
Nickel	06	7440-02-0	SW6020B	12/14/2023 12:00	12/18/2023 15:49	20000		58.6	58.6	1	ug/kg dry	MDW
Lead	06	7439-92-1	SW6020B	12/14/2023 12:00	12/18/2023 15:49	3300		58.6	58.6	1	ug/kg dry	MDW
Antimony	06	7440-36-0	SW6020B	12/14/2023 12:00	12/18/2023 15:49	BLOD		58.6	58.6	1	ug/kg dry	MDW
Selenium	06	7782-49-2	SW6020B	12/14/2023 12:00	12/18/2023 15:49	1150		58.6	58.6	1	ug/kg dry	MDW
Thallium	06	7440-28-0	SW6020B	12/14/2023 12:00	12/18/2023 15:49	95.8		58.6	58.6	1	ug/kg dry	MDW
Vanadium	06RE1	7440-62-2	SW6020B	12/14/2023 12:00	12/19/2023 11:51	70800		29300	29300	100	ug/kg dry	MDW
Zinc	06RE1	7440-66-6	SW6020B	12/14/2023 12:00	12/19/2023 11:51	47300		29300	29300	100	ug/kg dry	MDW
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	06	630-20-6	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
1,1,1-Trichloroethane	06	71-55-6	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	06	79-34-5	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
1,1,2-Trichloroethane	06	79-00-5	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
1,1-Dichloroethane	06	75-34-3	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
1,1-Dichloroethylene	06	75-35-4	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB

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Client Sample ID: **SC-26** **Laboratory Sample ID:** **23L0795-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	06	563-58-6	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	06	87-61-6	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
1,2,3-Trichloropropane	06	96-18-4	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	06	120-82-1	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	06	95-63-6	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	06	96-12-8	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	06	106-93-4	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
1,2-Dichlorobenzene	06	95-50-1	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
1,2-Dichloroethane	06	107-06-2	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
1,2-Dichloropropane	06	78-87-5	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	06	108-67-8	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
1,3-Dichlorobenzene	06	541-73-1	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
1,3-Dichloropropane	06	142-28-9	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
1,4-Dichlorobenzene	06	106-46-7	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
2,2-Dichloropropane	06	594-20-7	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
2-Butanone (MEK)	06	78-93-3	SW8260D	12/14/2023 17:48	12/14/2023 17:48	6.17		5.55	5.55	1	ug/kg dry	RJB
2-Chlorotoluene	06	95-49-8	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
2-Hexanone (MBK)	06	591-78-6	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
4-Chlorotoluene	06	106-43-4	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
4-Isopropyltoluene	06	99-87-6	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	06	108-10-1	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD	C	5.55	5.55	1	ug/kg dry	RJB
Acetone	06	67-64-1	SW8260D	12/14/2023 17:48	12/14/2023 17:48	73.5		11.1	11.1	1	ug/kg dry	RJB
Benzene	06	71-43-2	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
Bromobenzene	06	108-86-1	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB

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Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-26** **Laboratory Sample ID:** **23L0795-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	06	74-97-5	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
Bromodichloromethane	06	75-27-4	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
Bromoform	06	75-25-2	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
Bromomethane	06	74-83-9	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD	C	5.55	5.55	1	ug/kg dry	RJB
Carbon disulfide	06	75-15-0	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
Carbon tetrachloride	06	56-23-5	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
Chlorobenzene	06	108-90-7	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
Chloroethane	06	75-00-3	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD	C	5.55	5.55	1	ug/kg dry	RJB
Chloroform	06	67-66-3	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
Chloromethane	06	74-87-3	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	06	156-59-2	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	06	10061-01-5	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
Dibromochloromethane	06	124-48-1	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
Dibromomethane	06	74-95-3	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
Dichlorodifluoromethane	06	75-71-8	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	06	108-20-3	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
Ethylbenzene	06	100-41-4	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
Hexachlorobutadiene	06	87-68-3	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
Iodomethane	06	74-88-4	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		11.1	11.1	1	ug/kg dry	RJB
Isopropylbenzene	06	98-82-8	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
m+p-Xylenes	06	179601-23-1	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
Methylene chloride	06	75-09-2	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	06	1634-04-4	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-26** **Laboratory Sample ID:** **23L0795-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	06	91-20-3	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
n-Butylbenzene	06	104-51-8	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
n-Propylbenzene	06	103-65-1	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
o-Xylene	06	95-47-6	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
sec-Butylbenzene	06	135-98-8	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
Styrene	06	100-42-5	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
tert-Butylbenzene	06	98-06-6	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	06	127-18-4	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD	C	5.55	5.55	1	ug/kg dry	RJB
Toluene	06	108-88-3	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	06	156-60-5	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	06	10061-02-6	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
Trichloroethylene	06	79-01-6	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
Trichlorofluoromethane	06	75-69-4	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD	C	5.55	5.55	1	ug/kg dry	RJB
Vinyl acetate	06	108-05-4	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	11.1	1	ug/kg dry	RJB
Vinyl chloride	06	75-01-4	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		5.55	5.55	1	ug/kg dry	RJB
Xylenes, Total	06	1330-20-7	SW8260D	12/14/2023 17:48	12/14/2023 17:48	BLOD		16.7	16.7	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*06*		*119 %*	*80-120*	*12/14/2023 17:48*	*12/14/2023 17:48*						
Surr: 4-Bromofluorobenzene (Surr)	*06*		*93.2 %*	*85-120*	*12/14/2023 17:48*	*12/14/2023 17:48*						
Surr: Dibromofluoromethane (Surr)	*06*		*104 %*	*80-130*	*12/14/2023 17:48*	*12/14/2023 17:48*						
Surr: Toluene-d8 (Surr)	*06*		*98.0 %*	*85-115*	*12/14/2023 17:48*	*12/14/2023 17:48*						

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-26** **Laboratory Sample ID:** **23L0795-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	06	123-91-1	SW8270E SIM	12/15/2023 12:30	12/18/2023 11:59	BLOD		3.81	3.81	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*06*	*55.8 %*	*35-100*	*12/15/2023 12:30*	*12/18/2023 11:59*							
1,2,4,5-Tetrachlorobenzene	06	95-94-3	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
1,2,4-Trichlorobenzene	06	120-82-1	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
1,2-Dichlorobenzene	06	95-50-1	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
1,2-Diphenylhydrazine	06	122-66-7	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
1,3-Dichlorobenzene	06	541-73-1	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
1,3-Dinitrobenzene	06	99-65-0	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
1,4-Dichlorobenzene	06	106-46-7	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
1-Chloronaphthalene	06	90-13-1	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
1-Naphthylamine	06	134-32-7	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	06	58-90-2	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
2,4,5-Trichlorophenol	06	95-95-4	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
2,4,6-Trichlorophenol	06	88-06-2	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
2,4-Dichlorophenol	06	120-83-2	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
2,4-Dimethylphenol	06	105-67-9	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
2,4-Dinitrophenol	06	51-28-5	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
2,4-Dinitrotoluene	06	121-14-2	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
2,6-Dichlorophenol	06	87-65-0	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
2,6-Dinitrotoluene	06	606-20-2	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
2-Chloronaphthalene	06	91-58-7	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
2-Chlorophenol	06	95-57-8	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
2-Methylnaphthalene	06	91-57-6	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS

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Client Sample ID: SC-26 **Laboratory Sample ID:** 23L0795-06

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	06	91-59-8	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
2-Nitroaniline	06	88-74-4	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
2-Nitrophenol	06	88-75-5	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
3,3'-Dichlorobenzidine	06	91-94-1	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
3-Methylcholanthrene	06	56-49-5	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
3-Nitroaniline	06	99-09-2	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	06	534-52-1	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
4-Aminobiphenyl	06	92-67-1	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
4-Bromophenyl phenyl ether	06	101-55-3	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
4-Chloroaniline	06	106-47-8	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	06	7005-72-3	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
4-Nitroaniline	06	100-01-6	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
4-Nitrophenol	06	100-02-7	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	06	57-97-6	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Acenaphthene	06	83-32-9	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Acenaphthylene	06	208-96-8	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Acetophenone	06	98-86-2	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Aniline	06	62-53-3	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Anthracene	06	120-12-7	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Benzidine	06	92-87-5	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Benzo (a) anthracene	06	56-55-3	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Benzo (a) pyrene	06	50-32-8	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Benzo (b) fluoranthene	06	205-99-2	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Benzo (g,h,i) perylene	06	191-24-2	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS

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Client Sample ID: SC-26 **Laboratory Sample ID:** 23L0795-06

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	06	207-08-9	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Benzoic acid	06	65-85-0	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Benzyl alcohol	06	100-51-6	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	06	111-91-1	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
bis (2-Chloroethyl) ether	06	111-44-4	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	06	108-60-1	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	06	117-81-7	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Butyl benzyl phthalate	06	85-68-7	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Chrysene	06	218-01-9	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Dibenz (a,h) anthracene	06	53-70-3	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Dibenz (a,j) acridine	06	224-42-0	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Dibenzofuran	06	132-64-9	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Diethyl phthalate	06	84-66-2	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Dimethyl phthalate	06	131-11-3	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Di-n-butyl phthalate	06	84-74-2	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Di-n-octyl phthalate	06	117-84-0	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Diphenylamine	06	122-39-4	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Ethyl methanesulfonate	06	62-50-0	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Fluoranthene	06	206-44-0	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Fluorene	06	86-73-7	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Hexachlorobenzene	06	118-74-1	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Hexachlorobutadiene	06	87-68-3	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Hexachlorocyclopentadiene	06	77-47-4	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Hexachloroethane	06	67-72-1	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-26** **Laboratory Sample ID:** **23L0795-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	06	193-39-5	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Isophorone	06	78-59-1	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
m+p-Cresols	06	1319-77-3	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Methyl methanesulfonate	06	66-27-3	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Naphthalene	06	91-20-3	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Nitrobenzene	06	98-95-3	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
n-Nitrosodimethylamine	06	62-75-9	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	06	924-16-3	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	06	621-64-7	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
n-Nitrosodiphenylamine	06	86-30-6	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
n-Nitrosopiperidine	06	100-75-4	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
o+m+p-Cresols	06	1319-77-3	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
o-Cresol	06	95-48-7	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	06	60-11-7	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
p-Chloro-m-cresol	06	59-50-7	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	06	82-68-8	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Pentachlorophenol	06	87-86-5	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Phenacetin	06	62-44-2	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Phenanthrene	06	85-01-8	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Phenol	06	108-95-2	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Pronamide	06	23950-58-5	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Pyrene	06	129-00-0	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Pyridine	06	110-86-1	SW8270E	12/15/2023 12:30	12/16/2023 04:20	BLOD		95.2	95.2	1	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*06*	*59.3 %*	*15-96*	*12/15/2023 12:30*	*12/16/2023 04:20*							

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Client Sample ID: **SC-26** **Laboratory Sample ID:** **23L0795-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*06*		*45.2 %*	*19-105*	*12/15/2023 12:30*	*12/16/2023 04:20*						
Surr: 2-Fluorophenol (Surr)	*06*		*54.1 %*	*12-95*	*12/15/2023 12:30*	*12/16/2023 04:20*						
Surr: Nitrobenzene-d5 (Surr)	*06*		*52.9 %*	*21-100*	*12/15/2023 12:30*	*12/16/2023 04:20*						
Surr: Phenol-d5 (Surr)	*06*		*55.8 %*	*13-100*	*12/15/2023 12:30*	*12/16/2023 04:20*						
Surr: p-Terphenyl-d14 (Surr)	*06*		*55.0 %*	*25-125*	*12/15/2023 12:30*	*12/16/2023 04:20*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	06	14808-79-8	SW9056A	12/14/2023 10:00	12/14/2023 10:00	4.17	J	2.95	11.8	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	06	7664-41-7	EPA350.1 R2.0	12/28/2023 16:07	12/28/2023 16:07	BLOD		11.7	11.7	1	mg/kg dry	LAM
Chromium, Hexavalent	06	18540-29-9	SW7199	12/22/2023 09:00	12/22/2023 23:47	0.38		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	06	14797-55-8	SW9056A	12/14/2023 10:00	12/14/2023 10:00	BLOD		1.18	2.36	1	mg/kg dry	ATG
Percent Solids	06	NA	SM2540G-2011	12/20/2023 16:17	12/20/2023 16:17	84.7		0.10	0.10	1	%	LAM

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Client Sample ID: **SC-61** **Laboratory Sample ID:** **23L0795-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	07	7440-22-4	SW6020B	12/14/2023 12:00	12/18/2023 15:24	155		2.82	2.82	1	ug/kg dry	MDW
Arsenic	07RE1	7440-38-2	SW6020B	12/14/2023 12:00	12/19/2023 12:06	36800		5630	5630	100	ug/kg dry	MDW
Barium	07RE1	7440-39-3	SW6020B	12/14/2023 12:00	12/19/2023 12:06	129000		56300	56300	100	ug/kg dry	MDW
Beryllium	07	7440-41-7	SW6020B	12/14/2023 12:00	12/18/2023 15:24	403		56.3	56.3	1	ug/kg dry	MDW
Cadmium	07	7440-43-9	SW6020B	12/14/2023 12:00	12/18/2023 15:24	276		56.3	56.3	1	ug/kg dry	MDW
Cobalt	07	7440-48-4	SW6020B	12/14/2023 12:00	12/18/2023 15:24	10900		56.3	56.3	1	ug/kg dry	MDW
Chromium	07RE1	7440-47-3	SW6020B	12/14/2023 12:00	12/19/2023 12:06	24300		5630	5630	100	ug/kg dry	MDW
Copper	07RE1	7440-50-8	SW6020B	12/14/2023 12:00	12/19/2023 12:06	53900		5630	5630	100	ug/kg dry	MDW
Mercury	07RE1	7439-97-6	SW7471B	12/19/2023 10:15	12/19/2023 13:47	0.718		0.036	0.036	4	mg/kg dry	SGT
Manganese	07RE1	7439-96-5	SW6020B	12/14/2023 12:00	12/19/2023 12:06	412000		5630	5630	100	ug/kg dry	MDW
Nickel	07	7440-02-0	SW6020B	12/14/2023 12:00	12/18/2023 15:24	12500		56.3	56.3	1	ug/kg dry	MDW
Lead	07RE1	7439-92-1	SW6020B	12/14/2023 12:00	12/19/2023 12:06	541000		5630	5630	100	ug/kg dry	MDW
Antimony	07	7440-36-0	SW6020B	12/14/2023 12:00	12/18/2023 15:24	1150		56.3	56.3	1	ug/kg dry	MDW
Selenium	07	7782-49-2	SW6020B	12/14/2023 12:00	12/18/2023 15:24	6030		56.3	56.3	1	ug/kg dry	MDW
Thallium	07	7440-28-0	SW6020B	12/14/2023 12:00	12/18/2023 15:24	116		56.3	56.3	1	ug/kg dry	MDW
Vanadium	07RE1	7440-62-2	SW6020B	12/14/2023 12:00	12/19/2023 12:06	66300		28200	28200	100	ug/kg dry	MDW
Zinc	07RE1	7440-66-6	SW6020B	12/14/2023 12:00	12/19/2023 12:06	165000		28200	28200	100	ug/kg dry	MDW
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	07	630-20-6	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
1,1,1-Trichloroethane	07	71-55-6	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	07	79-34-5	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
1,1,2-Trichloroethane	07	79-00-5	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
1,1-Dichloroethane	07	75-34-3	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
1,1-Dichloroethylene	07	75-35-4	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB

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Client Sample ID: **SC-61** **Laboratory Sample ID:** **23L0795-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	07	563-58-6	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	07	87-61-6	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
1,2,3-Trichloropropane	07	96-18-4	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	07	120-82-1	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	07	95-63-6	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	07	96-12-8	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	07	106-93-4	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
1,2-Dichlorobenzene	07	95-50-1	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
1,2-Dichloroethane	07	107-06-2	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
1,2-Dichloropropane	07	78-87-5	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	07	108-67-8	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
1,3-Dichlorobenzene	07	541-73-1	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
1,3-Dichloropropane	07	142-28-9	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
1,4-Dichlorobenzene	07	106-46-7	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
2,2-Dichloropropane	07	594-20-7	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
2-Butanone (MEK)	07	78-93-3	SW8260D	12/14/2023 18:11	12/14/2023 18:11	9.15		6.48	6.48	1	ug/kg dry	RJB
2-Chlorotoluene	07	95-49-8	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
2-Hexanone (MBK)	07	591-78-6	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
4-Chlorotoluene	07	106-43-4	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
4-Isopropyltoluene	07	99-87-6	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	07	108-10-1	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD	C	6.48	6.48	1	ug/kg dry	RJB
Acetone	07	67-64-1	SW8260D	12/14/2023 18:11	12/14/2023 18:11	147		13.0	13.0	1	ug/kg dry	RJB
Benzene	07	71-43-2	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
Bromobenzene	07	108-86-1	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	07	74-97-5	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
Bromodichloromethane	07	75-27-4	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
Bromoform	07	75-25-2	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
Bromomethane	07	74-83-9	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD	C	6.48	6.48	1	ug/kg dry	RJB
Carbon disulfide	07	75-15-0	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
Carbon tetrachloride	07	56-23-5	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
Chlorobenzene	07	108-90-7	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
Chloroethane	07	75-00-3	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD	C	6.48	6.48	1	ug/kg dry	RJB
Chloroform	07	67-66-3	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
Chloromethane	07	74-87-3	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	07	156-59-2	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	07	10061-01-5	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
Dibromochloromethane	07	124-48-1	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
Dibromomethane	07	74-95-3	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
Dichlorodifluoromethane	07	75-71-8	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	07	108-20-3	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
Ethylbenzene	07	100-41-4	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
Hexachlorobutadiene	07	87-68-3	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
Iodomethane	07	74-88-4	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		13.0	13.0	1	ug/kg dry	RJB
Isopropylbenzene	07	98-82-8	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
m+p-Xylenes	07	179601-23-1	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
Methylene chloride	07	75-09-2	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	07	1634-04-4	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-61** **Laboratory Sample ID:** **23L0795-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	07	91-20-3	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
n-Butylbenzene	07	104-51-8	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
n-Propylbenzene	07	103-65-1	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
o-Xylene	07	95-47-6	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
sec-Butylbenzene	07	135-98-8	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
Styrene	07	100-42-5	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
tert-Butylbenzene	07	98-06-6	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	07	127-18-4	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD	C	6.48	6.48	1	ug/kg dry	RJB
Toluene	07	108-88-3	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	07	156-60-5	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	07	10061-02-6	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
Trichloroethylene	07	79-01-6	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
Trichlorofluoromethane	07	75-69-4	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD	C	6.48	6.48	1	ug/kg dry	RJB
Vinyl acetate	07	108-05-4	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	13.0	1	ug/kg dry	RJB
Vinyl chloride	07	75-01-4	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		6.48	6.48	1	ug/kg dry	RJB
Xylenes, Total	07	1330-20-7	SW8260D	12/14/2023 18:11	12/14/2023 18:11	BLOD		19.4	19.4	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*07*	*123 %*	*80-120*	*12/14/2023 18:11*	*12/14/2023 18:11*							*S*
Surr: 4-Bromofluorobenzene (Surr)	*07*	*88.0 %*	*85-120*	*12/14/2023 18:11*	*12/14/2023 18:11*							
Surr: Dibromofluoromethane (Surr)	*07*	*104 %*	*80-130*	*12/14/2023 18:11*	*12/14/2023 18:11*							
Surr: Toluene-d8 (Surr)	*07*	*97.4 %*	*85-115*	*12/14/2023 18:11*	*12/14/2023 18:11*							

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Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-61** **Laboratory Sample ID:** **23L0795-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	07	123-91-1	SW8270E SIM	12/15/2023 12:30	12/19/2023 20:10	BLOD		3.88	3.88	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*07*	*78.5 %*	*35-100*	*12/15/2023 12:30*	*12/19/2023 20:10*							
1,2,4,5-Tetrachlorobenzene	07	95-94-3	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
1,2,4-Trichlorobenzene	07	120-82-1	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
1,2-Dichlorobenzene	07	95-50-1	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
1,2-Diphenylhydrazine	07	122-66-7	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
1,3-Dichlorobenzene	07	541-73-1	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
1,3-Dinitrobenzene	07	99-65-0	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
1,4-Dichlorobenzene	07	106-46-7	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
1-Chloronaphthalene	07	90-13-1	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
1-Naphthylamine	07	134-32-7	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	07	58-90-2	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
2,4,5-Trichlorophenol	07	95-95-4	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
2,4,6-Trichlorophenol	07	88-06-2	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
2,4-Dichlorophenol	07	120-83-2	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
2,4-Dimethylphenol	07	105-67-9	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
2,4-Dinitrophenol	07	51-28-5	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
2,4-Dinitrotoluene	07	121-14-2	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
2,6-Dichlorophenol	07	87-65-0	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
2,6-Dinitrotoluene	07	606-20-2	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
2-Chloronaphthalene	07	91-58-7	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
2-Chlorophenol	07	95-57-8	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
2-Methylnaphthalene	07	91-57-6	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	07	91-59-8	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
2-Nitroaniline	07	88-74-4	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
2-Nitrophenol	07	88-75-5	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
3,3'-Dichlorobenzidine	07	91-94-1	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
3-Methylcholanthrene	07	56-49-5	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
3-Nitroaniline	07	99-09-2	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	07	534-52-1	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
4-Aminobiphenyl	07	92-67-1	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
4-Bromophenyl phenyl ether	07	101-55-3	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
4-Chloroaniline	07	106-47-8	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	07	7005-72-3	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
4-Nitroaniline	07	100-01-6	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
4-Nitrophenol	07	100-02-7	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	07	57-97-6	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Acenaphthene	07	83-32-9	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Acenaphthylene	07	208-96-8	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Acetophenone	07	98-86-2	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Aniline	07	62-53-3	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Anthracene	07	120-12-7	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Benzidine	07	92-87-5	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Benzo (a) anthracene	07	56-55-3	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Benzo (a) pyrene	07	50-32-8	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Benzo (b) fluoranthene	07	205-99-2	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Benzo (g,h,i) perylene	07	191-24-2	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS

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Client Sample ID: SC-61 **Laboratory Sample ID:** 23L0795-07

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	07	207-08-9	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Benzoic acid	07	65-85-0	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Benzyl alcohol	07	100-51-6	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	07	111-91-1	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
bis (2-Chloroethyl) ether	07	111-44-4	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	07	108-60-1	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	07	117-81-7	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Butyl benzyl phthalate	07	85-68-7	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Chrysene	07	218-01-9	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Dibenz (a,h) anthracene	07	53-70-3	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Dibenz (a,j) acridine	07	224-42-0	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Dibenzofuran	07	132-64-9	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Diethyl phthalate	07	84-66-2	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Dimethyl phthalate	07	131-11-3	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Di-n-butyl phthalate	07	84-74-2	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Di-n-octyl phthalate	07	117-84-0	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Diphenylamine	07	122-39-4	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Ethyl methanesulfonate	07	62-50-0	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Fluoranthene	07	206-44-0	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Fluorene	07	86-73-7	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Hexachlorobenzene	07	118-74-1	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Hexachlorobutadiene	07	87-68-3	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Hexachlorocyclopentadiene	07	77-47-4	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Hexachloroethane	07	67-72-1	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	07	193-39-5	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Isophorone	07	78-59-1	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
m+p-Cresols	07	1319-77-3	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Methyl methanesulfonate	07	66-27-3	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Naphthalene	07	91-20-3	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Nitrobenzene	07	98-95-3	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
n-Nitrosodimethylamine	07	62-75-9	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	07	924-16-3	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	07	621-64-7	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
n-Nitrosodiphenylamine	07	86-30-6	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
n-Nitrosopiperidine	07	100-75-4	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
o+m+p-Cresols	07	1319-77-3	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
o-Cresol	07	95-48-7	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	07	60-11-7	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
p-Chloro-m-cresol	07	59-50-7	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	07	82-68-8	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Pentachlorophenol	07	87-86-5	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Phenacetin	07	62-44-2	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Phenanthrene	07	85-01-8	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Phenol	07	108-95-2	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Pronamide	07	23950-58-5	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Pyrene	07	129-00-0	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Pyridine	07	110-86-1	SW8270E	12/15/2023 12:30	12/28/2023 01:15	BLOD		388	388	4	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*07*	*52.4 %*	*15-96*	*12/15/2023 12:30*	*12/28/2023 01:15*							

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-61** **Laboratory Sample ID:** **23L0795-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*07*		*53.0 %*	*19-105*	*12/15/2023 12:30*	*12/28/2023 01:15*						
Surr: 2-Fluorophenol (Surr)	*07*		*58.9 %*	*12-95*	*12/15/2023 12:30*	*12/28/2023 01:15*						
Surr: Nitrobenzene-d5 (Surr)	*07*		*63.8 %*	*21-100*	*12/15/2023 12:30*	*12/28/2023 01:15*						
Surr: Phenol-d5 (Surr)	*07*		*57.1 %*	*13-100*	*12/15/2023 12:30*	*12/28/2023 01:15*						
Surr: p-Terphenyl-d14 (Surr)	*07*		*56.2 %*	*25-125*	*12/15/2023 12:30*	*12/28/2023 01:15*						

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-61** **Laboratory Sample ID:** **23L0795-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	07	14808-79-8	SW9056A	12/14/2023 10:00	12/14/2023 10:00	BLOD		2.94	11.8	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	07	7664-41-7	EPA350.1 R2.0	12/28/2023 16:07	12/28/2023 16:07	BLOD		11.7	11.7	1	mg/kg dry	LAM
Chromium, Hexavalent	07	18540-29-9	SW7199	12/22/2023 09:00	12/23/2023 00:14	0.24		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	07	14797-55-8	SW9056A	12/14/2023 10:00	12/14/2023 10:00	BLOD		1.18	2.35	1	mg/kg dry	ATG
Percent Solids	07	NA	SM2540G-2011	12/20/2023 16:17	12/20/2023 16:17	85.0		0.10	0.10	1	%	LAM

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-53** **Laboratory Sample ID:** **23L0795-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	08	7440-22-4	SW6020B	12/14/2023 12:00	12/18/2023 15:27	16.4		2.77	2.77	1	ug/kg dry	MDW
Arsenic	08	7440-38-2	SW6020B	12/14/2023 12:00	12/18/2023 15:27	1520		55.3	55.3	1	ug/kg dry	MDW
Barium	08RE1	7440-39-3	SW6020B	12/14/2023 12:00	12/19/2023 12:09	240000		55300	55300	100	ug/kg dry	MDW
Beryllium	08	7440-41-7	SW6020B	12/14/2023 12:00	12/18/2023 15:27	783		55.3	55.3	1	ug/kg dry	MDW
Cadmium	08	7440-43-9	SW6020B	12/14/2023 12:00	12/18/2023 15:27	58.6		55.3	55.3	1	ug/kg dry	MDW
Cobalt	08	7440-48-4	SW6020B	12/14/2023 12:00	12/18/2023 15:27	14700		55.3	55.3	1	ug/kg dry	MDW
Chromium	08RE1	7440-47-3	SW6020B	12/14/2023 12:00	12/19/2023 12:09	31300		5530	5530	100	ug/kg dry	MDW
Copper	08RE1	7440-50-8	SW6020B	12/14/2023 12:00	12/19/2023 12:09	79900		5530	5530	100	ug/kg dry	MDW
Mercury	08	7439-97-6	SW7471B	12/19/2023 10:15	12/19/2023 12:02	BLOD		0.009	0.009	1	mg/kg dry	SGT
Manganese	08RE1	7439-96-5	SW6020B	12/14/2023 12:00	12/19/2023 12:09	474000		5530	5530	100	ug/kg dry	MDW
Nickel	08	7440-02-0	SW6020B	12/14/2023 12:00	12/18/2023 15:27	19400		55.3	55.3	1	ug/kg dry	MDW
Lead	08	7439-92-1	SW6020B	12/14/2023 12:00	12/18/2023 15:27	3780		55.3	55.3	1	ug/kg dry	MDW
Antimony	08	7440-36-0	SW6020B	12/14/2023 12:00	12/18/2023 15:27	BLOD		55.3	55.3	1	ug/kg dry	MDW
Selenium	08	7782-49-2	SW6020B	12/14/2023 12:00	12/18/2023 15:27	1470		55.3	55.3	1	ug/kg dry	MDW
Thallium	08	7440-28-0	SW6020B	12/14/2023 12:00	12/18/2023 15:27	94.3		55.3	55.3	1	ug/kg dry	MDW
Vanadium	08RE1	7440-62-2	SW6020B	12/14/2023 12:00	12/19/2023 12:09	140000		27700	27700	100	ug/kg dry	MDW
Zinc	08RE1	7440-66-6	SW6020B	12/14/2023 12:00	12/19/2023 12:09	68700		27700	27700	100	ug/kg dry	MDW
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	08	630-20-6	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
1,1,1-Trichloroethane	08	71-55-6	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	08	79-34-5	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
1,1,2-Trichloroethane	08	79-00-5	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
1,1-Dichloroethane	08	75-34-3	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
1,1-Dichloroethylene	08	75-35-4	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-53** **Laboratory Sample ID:** **23L0795-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	08	563-58-6	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	08	87-61-6	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
1,2,3-Trichloropropane	08	96-18-4	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	08	120-82-1	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	08	95-63-6	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	08	96-12-8	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	08	106-93-4	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
1,2-Dichlorobenzene	08	95-50-1	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
1,2-Dichloroethane	08	107-06-2	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
1,2-Dichloropropane	08	78-87-5	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	08	108-67-8	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
1,3-Dichlorobenzene	08	541-73-1	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
1,3-Dichloropropane	08	142-28-9	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
1,4-Dichlorobenzene	08	106-46-7	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
2,2-Dichloropropane	08	594-20-7	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
2-Butanone (MEK)	08	78-93-3	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
2-Chlorotoluene	08	95-49-8	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
2-Hexanone (MBK)	08	591-78-6	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
4-Chlorotoluene	08	106-43-4	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
4-Isopropyltoluene	08	99-87-6	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	08	108-10-1	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD	C	5.65	5.65	1	ug/kg dry	RJB
Acetone	08	67-64-1	SW8260D	12/14/2023 18:35	12/14/2023 18:35	48.7		11.3	11.3	1	ug/kg dry	RJB
Benzene	08	71-43-2	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
Bromobenzene	08	108-86-1	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	08	74-97-5	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
Bromodichloromethane	08	75-27-4	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
Bromoform	08	75-25-2	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
Bromomethane	08	74-83-9	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD	C	5.65	5.65	1	ug/kg dry	RJB
Carbon disulfide	08	75-15-0	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
Carbon tetrachloride	08	56-23-5	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
Chlorobenzene	08	108-90-7	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
Chloroethane	08	75-00-3	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD	C	5.65	5.65	1	ug/kg dry	RJB
Chloroform	08	67-66-3	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
Chloromethane	08	74-87-3	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	08	156-59-2	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	08	10061-01-5	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
Dibromochloromethane	08	124-48-1	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
Dibromomethane	08	74-95-3	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
Dichlorodifluoromethane	08	75-71-8	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	08	108-20-3	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
Ethylbenzene	08	100-41-4	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
Hexachlorobutadiene	08	87-68-3	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
Iodomethane	08	74-88-4	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		11.3	11.3	1	ug/kg dry	RJB
Isopropylbenzene	08	98-82-8	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
m+p-Xylenes	08	179601-23-1	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
Methylene chloride	08	75-09-2	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	08	1634-04-4	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB

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Client Sample ID: **SC-53** **Laboratory Sample ID:** **23L0795-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	08	91-20-3	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
n-Butylbenzene	08	104-51-8	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
n-Propylbenzene	08	103-65-1	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
o-Xylene	08	95-47-6	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
sec-Butylbenzene	08	135-98-8	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
Styrene	08	100-42-5	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
tert-Butylbenzene	08	98-06-6	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	08	127-18-4	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD	C	5.65	5.65	1	ug/kg dry	RJB
Toluene	08	108-88-3	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	08	156-60-5	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	08	10061-02-6	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
Trichloroethylene	08	79-01-6	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
Trichlorofluoromethane	08	75-69-4	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD	C	5.65	5.65	1	ug/kg dry	RJB
Vinyl acetate	08	108-05-4	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	11.3	1	ug/kg dry	RJB
Vinyl chloride	08	75-01-4	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		5.65	5.65	1	ug/kg dry	RJB
Xylenes, Total	08	1330-20-7	SW8260D	12/14/2023 18:35	12/14/2023 18:35	BLOD		16.9	16.9	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*08*		*117 %*	*80-120*	*12/14/2023 18:35*	*12/14/2023 18:35*						
Surr: 4-Bromofluorobenzene (Surr)	*08*		*95.4 %*	*85-120*	*12/14/2023 18:35*	*12/14/2023 18:35*						
Surr: Dibromofluoromethane (Surr)	*08*		*102 %*	*80-130*	*12/14/2023 18:35*	*12/14/2023 18:35*						
Surr: Toluene-d8 (Surr)	*08*		*99.4 %*	*85-115*	*12/14/2023 18:35*	*12/14/2023 18:35*						

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Client Sample ID: **SC-53** **Laboratory Sample ID:** **23L0795-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	08	123-91-1	SW8270E SIM	12/15/2023 12:30	12/19/2023 20:36	BLOD		3.98	3.98	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*08*	*68.9 %*	*35-100*	*12/15/2023 12:30*	*12/19/2023 20:36*							
1,2,4,5-Tetrachlorobenzene	08	95-94-3	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
1,2,4-Trichlorobenzene	08	120-82-1	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
1,2-Dichlorobenzene	08	95-50-1	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
1,2-Diphenylhydrazine	08	122-66-7	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
1,3-Dichlorobenzene	08	541-73-1	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
1,3-Dinitrobenzene	08	99-65-0	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
1,4-Dichlorobenzene	08	106-46-7	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
1-Chloronaphthalene	08	90-13-1	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
1-Naphthylamine	08	134-32-7	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	08	58-90-2	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
2,4,5-Trichlorophenol	08	95-95-4	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
2,4,6-Trichlorophenol	08	88-06-2	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
2,4-Dichlorophenol	08	120-83-2	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
2,4-Dimethylphenol	08	105-67-9	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
2,4-Dinitrophenol	08	51-28-5	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
2,4-Dinitrotoluene	08	121-14-2	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
2,6-Dichlorophenol	08	87-65-0	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
2,6-Dinitrotoluene	08	606-20-2	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
2-Chloronaphthalene	08	91-58-7	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
2-Chlorophenol	08	95-57-8	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
2-Methylnaphthalene	08	91-57-6	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-53** **Laboratory Sample ID:** **23L0795-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	08	91-59-8	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
2-Nitroaniline	08	88-74-4	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
2-Nitrophenol	08	88-75-5	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
3,3'-Dichlorobenzidine	08	91-94-1	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
3-Methylcholanthrene	08	56-49-5	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
3-Nitroaniline	08	99-09-2	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	08	534-52-1	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
4-Aminobiphenyl	08	92-67-1	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
4-Bromophenyl phenyl ether	08	101-55-3	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
4-Chloroaniline	08	106-47-8	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	08	7005-72-3	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
4-Nitroaniline	08	100-01-6	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
4-Nitrophenol	08	100-02-7	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	08	57-97-6	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Acenaphthene	08	83-32-9	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Acenaphthylene	08	208-96-8	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Acetophenone	08	98-86-2	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Aniline	08	62-53-3	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Anthracene	08	120-12-7	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Benzidine	08	92-87-5	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Benzo (a) anthracene	08	56-55-3	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Benzo (a) pyrene	08	50-32-8	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Benzo (b) fluoranthene	08	205-99-2	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Benzo (g,h,i) perylene	08	191-24-2	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-53 **Laboratory Sample ID:** 23L0795-08

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	08	207-08-9	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Benzoic acid	08	65-85-0	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Benzyl alcohol	08	100-51-6	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	08	111-91-1	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
bis (2-Chloroethyl) ether	08	111-44-4	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	08	108-60-1	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	08	117-81-7	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Butyl benzyl phthalate	08	85-68-7	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Chrysene	08	218-01-9	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Dibenz (a,h) anthracene	08	53-70-3	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Dibenz (a,j) acridine	08	224-42-0	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Dibenzofuran	08	132-64-9	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Diethyl phthalate	08	84-66-2	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Dimethyl phthalate	08	131-11-3	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Di-n-butyl phthalate	08	84-74-2	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Di-n-octyl phthalate	08	117-84-0	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Diphenylamine	08	122-39-4	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Ethyl methanesulfonate	08	62-50-0	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Fluoranthene	08	206-44-0	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Fluorene	08	86-73-7	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Hexachlorobenzene	08	118-74-1	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Hexachlorobutadiene	08	87-68-3	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Hexachlorocyclopentadiene	08	77-47-4	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Hexachloroethane	08	67-72-1	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-53** **Laboratory Sample ID:** **23L0795-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	08	193-39-5	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Isophorone	08	78-59-1	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
m+p-Cresols	08	1319-77-3	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Methyl methanesulfonate	08	66-27-3	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Naphthalene	08	91-20-3	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Nitrobenzene	08	98-95-3	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
n-Nitrosodimethylamine	08	62-75-9	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	08	924-16-3	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	08	621-64-7	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
n-Nitrosodiphenylamine	08	86-30-6	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
n-Nitrosopiperidine	08	100-75-4	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
o+m+p-Cresols	08	1319-77-3	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
o-Cresol	08	95-48-7	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	08	60-11-7	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
p-Chloro-m-cresol	08	59-50-7	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	08	82-68-8	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Pentachlorophenol	08	87-86-5	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD	C	99.5	99.5	1	ug/kg dry	BMS
Phenacetin	08	62-44-2	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Phenanthrene	08	85-01-8	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Phenol	08	108-95-2	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Pronamide	08	23950-58-5	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Pyrene	08	129-00-0	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Pyridine	08	110-86-1	SW8270E	12/15/2023 12:30	12/18/2023 18:31	BLOD		99.5	99.5	1	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*08*	*46.2 %*	*15-96*	*12/15/2023 12:30*	*12/18/2023 18:31*							

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*08*		*40.0 %*	*19-105*	*12/15/2023 12:30*	*12/18/2023 18:31*						
Surr: 2-Fluorophenol (Surr)	*08*		*49.6 %*	*12-95*	*12/15/2023 12:30*	*12/18/2023 18:31*						
Surr: Nitrobenzene-d5 (Surr)	*08*		*47.1 %*	*21-100*	*12/15/2023 12:30*	*12/18/2023 18:31*						
Surr: Phenol-d5 (Surr)	*08*		*43.3 %*	*13-100*	*12/15/2023 12:30*	*12/18/2023 18:31*						
Surr: p-Terphenyl-d14 (Surr)	*08*		*48.5 %*	*25-125*	*12/15/2023 12:30*	*12/18/2023 18:31*						

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Ion Chromatography Analyses												
Sulfate	08	14808-79-8	SW9056A	12/14/2023 10:00	12/14/2023 10:00	4.34	J	3.01	12.0	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	08	7664-41-7	EPA350.1 R2.0	12/27/2023 14:31	12/27/2023 15:17	BLOD		11.9	11.9	1	mg/kg dry	SPH
Chromium, Hexavalent	08	18540-29-9	SW7199	12/22/2023 09:00	12/23/2023 00:40	BLOD		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	08	14797-55-8	SW9056A	12/14/2023 10:00	12/14/2023 10:00	BLOD		1.20	2.40	1	mg/kg dry	ATG
Percent Solids	08	NA	SM2540G-2011	12/20/2023 16:17	12/20/2023 16:17	83.2		0.10	0.10	1	%	LAM

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	09	7440-22-4	SW6020B	12/14/2023 12:00	12/18/2023 15:30	19.4		2.89	2.89	1	ug/kg dry	MDW
Arsenic	09	7440-38-2	SW6020B	12/14/2023 12:00	12/18/2023 15:30	1640		57.9	57.9	1	ug/kg dry	MDW
Barium	09RE1	7440-39-3	SW6020B	12/14/2023 12:00	12/19/2023 12:12	117000		57900	57900	100	ug/kg dry	MDW
Beryllium	09	7440-41-7	SW6020B	12/14/2023 12:00	12/18/2023 15:30	496		57.9	57.9	1	ug/kg dry	MDW
Cadmium	09	7440-43-9	SW6020B	12/14/2023 12:00	12/18/2023 15:30	BLOD		57.9	57.9	1	ug/kg dry	MDW
Cobalt	09	7440-48-4	SW6020B	12/14/2023 12:00	12/18/2023 15:30	10800		57.9	57.9	1	ug/kg dry	MDW
Chromium	09RE1	7440-47-3	SW6020B	12/14/2023 12:00	12/19/2023 12:12	30800		5790	5790	100	ug/kg dry	MDW
Copper	09RE1	7440-50-8	SW6020B	12/14/2023 12:00	12/19/2023 12:12	33000		5790	5790	100	ug/kg dry	MDW
Mercury	09	7439-97-6	SW7471B	12/19/2023 10:15	12/19/2023 13:05	0.029		0.010	0.010	1	mg/kg dry	SGT
Manganese	09RE1	7439-96-5	SW6020B	12/14/2023 12:00	12/19/2023 12:12	360000		5790	5790	100	ug/kg dry	MDW
Nickel	09	7440-02-0	SW6020B	12/14/2023 12:00	12/18/2023 15:30	13100		57.9	57.9	1	ug/kg dry	MDW
Lead	09	7439-92-1	SW6020B	12/14/2023 12:00	12/18/2023 15:30	7480		57.9	57.9	1	ug/kg dry	MDW
Antimony	09	7440-36-0	SW6020B	12/14/2023 12:00	12/18/2023 15:30	BLOD		57.9	57.9	1	ug/kg dry	MDW
Selenium	09	7782-49-2	SW6020B	12/14/2023 12:00	12/18/2023 15:30	1310		57.9	57.9	1	ug/kg dry	MDW
Thallium	09	7440-28-0	SW6020B	12/14/2023 12:00	12/18/2023 15:30	115		57.9	57.9	1	ug/kg dry	MDW
Vanadium	09RE1	7440-62-2	SW6020B	12/14/2023 12:00	12/19/2023 12:12	62700		28900	28900	100	ug/kg dry	MDW
Zinc	09RE1	7440-66-6	SW6020B	12/14/2023 12:00	12/19/2023 12:12	44800		28900	28900	100	ug/kg dry	MDW
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	09	630-20-6	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
1,1,1-Trichloroethane	09	71-55-6	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	09	79-34-5	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
1,1,2-Trichloroethane	09	79-00-5	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
1,1-Dichloroethane	09	75-34-3	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
1,1-Dichloroethylene	09	75-35-4	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-52** **Laboratory Sample ID:** **23L0795-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	09	563-58-6	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	09	87-61-6	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
1,2,3-Trichloropropane	09	96-18-4	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	09	120-82-1	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	09	95-63-6	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	09	96-12-8	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	09	106-93-4	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
1,2-Dichlorobenzene	09	95-50-1	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
1,2-Dichloroethane	09	107-06-2	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
1,2-Dichloropropane	09	78-87-5	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	09	108-67-8	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
1,3-Dichlorobenzene	09	541-73-1	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
1,3-Dichloropropane	09	142-28-9	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
1,4-Dichlorobenzene	09	106-46-7	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
2,2-Dichloropropane	09	594-20-7	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
2-Butanone (MEK)	09	78-93-3	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
2-Chlorotoluene	09	95-49-8	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
2-Hexanone (MBK)	09	591-78-6	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
4-Chlorotoluene	09	106-43-4	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
4-Isopropyltoluene	09	99-87-6	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	09	108-10-1	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD	C	5.12	5.12	1	ug/kg dry	RJB
Acetone	09	67-64-1	SW8260D	12/14/2023 18:58	12/14/2023 18:58	57.0		10.2	10.2	1	ug/kg dry	RJB
Benzene	09	71-43-2	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
Bromobenzene	09	108-86-1	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB

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Client Sample ID: **SC-52** **Laboratory Sample ID:** **23L0795-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	09	74-97-5	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
Bromodichloromethane	09	75-27-4	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
Bromoform	09	75-25-2	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
Bromomethane	09	74-83-9	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD	C	5.12	5.12	1	ug/kg dry	RJB
Carbon disulfide	09	75-15-0	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
Carbon tetrachloride	09	56-23-5	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
Chlorobenzene	09	108-90-7	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
Chloroethane	09	75-00-3	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD	C	5.12	5.12	1	ug/kg dry	RJB
Chloroform	09	67-66-3	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
Chloromethane	09	74-87-3	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	09	156-59-2	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	09	10061-01-5	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
Dibromochloromethane	09	124-48-1	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
Dibromomethane	09	74-95-3	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
Dichlorodifluoromethane	09	75-71-8	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	09	108-20-3	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
Ethylbenzene	09	100-41-4	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
Hexachlorobutadiene	09	87-68-3	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
Iodomethane	09	74-88-4	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		10.2	10.2	1	ug/kg dry	RJB
Isopropylbenzene	09	98-82-8	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
m+p-Xylenes	09	179601-23-1	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
Methylene chloride	09	75-09-2	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	09	1634-04-4	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB

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Client Sample ID: **SC-52** **Laboratory Sample ID:** **23L0795-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	09	91-20-3	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
n-Butylbenzene	09	104-51-8	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
n-Propylbenzene	09	103-65-1	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
o-Xylene	09	95-47-6	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
sec-Butylbenzene	09	135-98-8	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
Styrene	09	100-42-5	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
tert-Butylbenzene	09	98-06-6	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	09	127-18-4	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD	C	5.12	5.12	1	ug/kg dry	RJB
Toluene	09	108-88-3	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	09	156-60-5	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	09	10061-02-6	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
Trichloroethylene	09	79-01-6	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
Trichlorofluoromethane	09	75-69-4	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD	C	5.12	5.12	1	ug/kg dry	RJB
Vinyl acetate	09	108-05-4	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	10.2	1	ug/kg dry	RJB
Vinyl chloride	09	75-01-4	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		5.12	5.12	1	ug/kg dry	RJB
Xylenes, Total	09	1330-20-7	SW8260D	12/14/2023 18:58	12/14/2023 18:58	BLOD		15.4	15.4	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*09*		*119 %*	*80-120*	*12/14/2023 18:58*	*12/14/2023 18:58*						
Surr: 4-Bromofluorobenzene (Surr)	*09*		*94.2 %*	*85-120*	*12/14/2023 18:58*	*12/14/2023 18:58*						
Surr: Dibromofluoromethane (Surr)	*09*		*104 %*	*80-130*	*12/14/2023 18:58*	*12/14/2023 18:58*						
Surr: Toluene-d8 (Surr)	*09*		*98.2 %*	*85-115*	*12/14/2023 18:58*	*12/14/2023 18:58*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	09	123-91-1	SW8270E SIM	12/15/2023 12:30	12/19/2023 21:03	BLOD		3.98	3.98	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*09*	*84.3 %*	*35-100*	*12/15/2023 12:30*	*12/19/2023 21:03*							
1,2,4,5-Tetrachlorobenzene	09	95-94-3	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
1,2,4-Trichlorobenzene	09	120-82-1	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
1,2-Dichlorobenzene	09	95-50-1	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
1,2-Diphenylhydrazine	09	122-66-7	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
1,3-Dichlorobenzene	09	541-73-1	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
1,3-Dinitrobenzene	09	99-65-0	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
1,4-Dichlorobenzene	09	106-46-7	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
1-Chloronaphthalene	09	90-13-1	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
1-Naphthylamine	09	134-32-7	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	09	58-90-2	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
2,4,5-Trichlorophenol	09	95-95-4	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
2,4,6-Trichlorophenol	09	88-06-2	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
2,4-Dichlorophenol	09	120-83-2	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
2,4-Dimethylphenol	09	105-67-9	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
2,4-Dinitrophenol	09	51-28-5	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
2,4-Dinitrotoluene	09	121-14-2	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
2,6-Dichlorophenol	09	87-65-0	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
2,6-Dinitrotoluene	09	606-20-2	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
2-Chloronaphthalene	09	91-58-7	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
2-Chlorophenol	09	95-57-8	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
2-Methylnaphthalene	09	91-57-6	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	09	91-59-8	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
2-Nitroaniline	09	88-74-4	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
2-Nitrophenol	09	88-75-5	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
3,3'-Dichlorobenzidine	09	91-94-1	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
3-Methylcholanthrene	09	56-49-5	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
3-Nitroaniline	09	99-09-2	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	09	534-52-1	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
4-Aminobiphenyl	09	92-67-1	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
4-Bromophenyl phenyl ether	09	101-55-3	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
4-Chloroaniline	09	106-47-8	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	09	7005-72-3	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
4-Nitroaniline	09	100-01-6	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
4-Nitrophenol	09	100-02-7	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	09	57-97-6	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Acenaphthene	09	83-32-9	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Acenaphthylene	09	208-96-8	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Acetophenone	09	98-86-2	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Aniline	09	62-53-3	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Anthracene	09	120-12-7	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Benzidine	09	92-87-5	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Benzo (a) anthracene	09	56-55-3	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Benzo (a) pyrene	09	50-32-8	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Benzo (b) fluoranthene	09	205-99-2	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Benzo (g,h,i) perylene	09	191-24-2	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-52 **Laboratory Sample ID:** 23L0795-09

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	09	207-08-9	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Benzoic acid	09	65-85-0	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Benzyl alcohol	09	100-51-6	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	09	111-91-1	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
bis (2-Chloroethyl) ether	09	111-44-4	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	09	108-60-1	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	09	117-81-7	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Butyl benzyl phthalate	09	85-68-7	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Chrysene	09	218-01-9	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Dibenz (a,h) anthracene	09	53-70-3	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Dibenz (a,j) acridine	09	224-42-0	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Dibenzofuran	09	132-64-9	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Diethyl phthalate	09	84-66-2	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Dimethyl phthalate	09	131-11-3	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Di-n-butyl phthalate	09	84-74-2	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Di-n-octyl phthalate	09	117-84-0	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Diphenylamine	09	122-39-4	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Ethyl methanesulfonate	09	62-50-0	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Fluoranthene	09	206-44-0	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Fluorene	09	86-73-7	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Hexachlorobenzene	09	118-74-1	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Hexachlorobutadiene	09	87-68-3	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Hexachlorocyclopentadiene	09	77-47-4	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Hexachloroethane	09	67-72-1	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-52** **Laboratory Sample ID:** **23L0795-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	09	193-39-5	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Isophorone	09	78-59-1	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
m+p-Cresols	09	1319-77-3	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Methyl methanesulfonate	09	66-27-3	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Naphthalene	09	91-20-3	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Nitrobenzene	09	98-95-3	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
n-Nitrosodimethylamine	09	62-75-9	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	09	924-16-3	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	09	621-64-7	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
n-Nitrosodiphenylamine	09	86-30-6	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
n-Nitrosopiperidine	09	100-75-4	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
o+m+p-Cresols	09	1319-77-3	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
o-Cresol	09	95-48-7	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	09	60-11-7	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
p-Chloro-m-cresol	09	59-50-7	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	09	82-68-8	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Pentachlorophenol	09	87-86-5	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD	C	99.5	99.5	1	ug/kg dry	BMS
Phenacetin	09	62-44-2	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Phenanthrene	09	85-01-8	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Phenol	09	108-95-2	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Pronamide	09	23950-58-5	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Pyrene	09	129-00-0	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Pyridine	09	110-86-1	SW8270E	12/15/2023 12:30	12/18/2023 19:08	BLOD		99.5	99.5	1	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*09*	*54.1 %*	*15-96*	*12/15/2023 12:30*	*12/18/2023 19:08*							

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Client Sample ID: **SC-52** **Laboratory Sample ID:** **23L0795-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*09*		*35.3 %*	*19-105*	*12/15/2023 12:30*	*12/18/2023 19:08*						
Surr: 2-Fluorophenol (Surr)	*09*		*52.0 %*	*12-95*	*12/15/2023 12:30*	*12/18/2023 19:08*						
Surr: Nitrobenzene-d5 (Surr)	*09*		*52.0 %*	*21-100*	*12/15/2023 12:30*	*12/18/2023 19:08*						
Surr: Phenol-d5 (Surr)	*09*		*44.2 %*	*13-100*	*12/15/2023 12:30*	*12/18/2023 19:08*						
Surr: p-Terphenyl-d14 (Surr)	*09*		*48.2 %*	*25-125*	*12/15/2023 12:30*	*12/18/2023 19:08*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	09	14808-79-8	SW9056A	12/14/2023 10:00	12/14/2023 10:00	10.5	J	3.03	12.1	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	09	7664-41-7	EPA350.1 R2.0	12/27/2023 14:31	12/27/2023 15:19	BLOD		11.8	11.8	1	mg/kg dry	SPH
Chromium, Hexavalent	09	18540-29-9	SW7199	12/22/2023 09:00	12/23/2023 02:00	0.59		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	09	14797-55-8	SW9056A	12/14/2023 10:00	12/14/2023 10:00	BLOD		1.21	2.42	1	mg/kg dry	ATG
Percent Solids	09	NA	SM2540G-2011	12/20/2023 16:17	12/20/2023 16:17	82.6		0.10	0.10	1	%	LAM

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Client Sample ID: **Dup-3** **Laboratory Sample ID:** **23L0795-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	10	7440-22-4	SW6020B	12/14/2023 12:00	12/18/2023 15:33	16.5		2.80	2.80	1	ug/kg dry	MDW
Arsenic	10	7440-38-2	SW6020B	12/14/2023 12:00	12/18/2023 15:33	1460		55.9	55.9	1	ug/kg dry	MDW
Barium	10RE1	7440-39-3	SW6020B	12/14/2023 12:00	12/19/2023 12:15	236000		55900	55900	100	ug/kg dry	MDW
Beryllium	10	7440-41-7	SW6020B	12/14/2023 12:00	12/18/2023 15:33	722		55.9	55.9	1	ug/kg dry	MDW
Cadmium	10	7440-43-9	SW6020B	12/14/2023 12:00	12/18/2023 15:33	66.9		55.9	55.9	1	ug/kg dry	MDW
Cobalt	10	7440-48-4	SW6020B	12/14/2023 12:00	12/18/2023 15:33	16700		55.9	55.9	1	ug/kg dry	MDW
Chromium	10RE1	7440-47-3	SW6020B	12/14/2023 12:00	12/19/2023 12:15	29100		5590	5590	100	ug/kg dry	MDW
Copper	10RE1	7440-50-8	SW6020B	12/14/2023 12:00	12/19/2023 12:15	63700		5590	5590	100	ug/kg dry	MDW
Mercury	10	7439-97-6	SW7471B	12/19/2023 10:15	12/19/2023 13:13	BLOD		0.009	0.009	1	mg/kg dry	SGT
Manganese	10RE1	7439-96-5	SW6020B	12/14/2023 12:00	12/19/2023 12:15	499000		5590	5590	100	ug/kg dry	MDW
Nickel	10	7440-02-0	SW6020B	12/14/2023 12:00	12/18/2023 15:33	19600		55.9	55.9	1	ug/kg dry	MDW
Lead	10	7439-92-1	SW6020B	12/14/2023 12:00	12/18/2023 15:33	2990		55.9	55.9	1	ug/kg dry	MDW
Antimony	10	7440-36-0	SW6020B	12/14/2023 12:00	12/18/2023 15:33	BLOD		55.9	55.9	1	ug/kg dry	MDW
Selenium	10	7782-49-2	SW6020B	12/14/2023 12:00	12/18/2023 15:33	1580		55.9	55.9	1	ug/kg dry	MDW
Thallium	10	7440-28-0	SW6020B	12/14/2023 12:00	12/18/2023 15:33	98.8		55.9	55.9	1	ug/kg dry	MDW
Vanadium	10RE1	7440-62-2	SW6020B	12/14/2023 12:00	12/19/2023 12:15	117000		28000	28000	100	ug/kg dry	MDW
Zinc	10RE1	7440-66-6	SW6020B	12/14/2023 12:00	12/19/2023 12:15	58900		28000	28000	100	ug/kg dry	MDW
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	10	630-20-6	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,1,1-Trichloroethane	10	71-55-6	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	10	79-34-5	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,1,2-Trichloroethane	10	79-00-5	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,1-Dichloroethane	10	75-34-3	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,1-Dichloroethylene	10	75-35-4	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB

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Client Sample ID: **Dup-3** **Laboratory Sample ID:** **23L0795-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	10	563-58-6	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	10	87-61-6	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,2,3-Trichloropropane	10	96-18-4	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	10	120-82-1	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	10	95-63-6	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	10	96-12-8	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	10	106-93-4	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,2-Dichlorobenzene	10	95-50-1	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,2-Dichloroethane	10	107-06-2	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,2-Dichloropropane	10	78-87-5	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	10	108-67-8	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,3-Dichlorobenzene	10	541-73-1	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,3-Dichloropropane	10	142-28-9	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,4-Dichlorobenzene	10	106-46-7	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
2,2-Dichloropropane	10	594-20-7	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
2-Butanone (MEK)	10	78-93-3	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
2-Chlorotoluene	10	95-49-8	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
2-Hexanone (MBK)	10	591-78-6	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
4-Chlorotoluene	10	106-43-4	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
4-Isopropyltoluene	10	99-87-6	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	10	108-10-1	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD	C	5.30	5.30	1	ug/kg dry	RJB
Acetone	10	67-64-1	SW8260D	12/14/2023 19:21	12/14/2023 19:21	69.3		10.6	10.6	1	ug/kg dry	RJB
Benzene	10	71-43-2	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
Bromobenzene	10	108-86-1	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB

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Client Sample ID: **Dup-3** **Laboratory Sample ID:** **23L0795-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	10	74-97-5	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
Bromodichloromethane	10	75-27-4	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
Bromoform	10	75-25-2	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
Bromomethane	10	74-83-9	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD	C	5.30	5.30	1	ug/kg dry	RJB
Carbon disulfide	10	75-15-0	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
Carbon tetrachloride	10	56-23-5	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
Chlorobenzene	10	108-90-7	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
Chloroethane	10	75-00-3	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD	C	5.30	5.30	1	ug/kg dry	RJB
Chloroform	10	67-66-3	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
Chloromethane	10	74-87-3	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	10	156-59-2	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	10	10061-01-5	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
Dibromochloromethane	10	124-48-1	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
Dibromomethane	10	74-95-3	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
Dichlorodifluoromethane	10	75-71-8	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	10	108-20-3	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
Ethylbenzene	10	100-41-4	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
Hexachlorobutadiene	10	87-68-3	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
Iodomethane	10	74-88-4	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		10.6	10.6	1	ug/kg dry	RJB
Isopropylbenzene	10	98-82-8	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
m+p-Xylenes	10	179601-23-1	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
Methylene chloride	10	75-09-2	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	10	1634-04-4	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB

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Client Sample ID: **Dup-3** **Laboratory Sample ID:** **23L0795-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	10	91-20-3	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
n-Butylbenzene	10	104-51-8	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
n-Propylbenzene	10	103-65-1	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
o-Xylene	10	95-47-6	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
sec-Butylbenzene	10	135-98-8	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
Styrene	10	100-42-5	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
tert-Butylbenzene	10	98-06-6	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	10	127-18-4	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD	C	5.30	5.30	1	ug/kg dry	RJB
Toluene	10	108-88-3	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	10	156-60-5	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	10	10061-02-6	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
Trichloroethylene	10	79-01-6	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
Trichlorofluoromethane	10	75-69-4	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD	C	5.30	5.30	1	ug/kg dry	RJB
Vinyl acetate	10	108-05-4	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	10.6	1	ug/kg dry	RJB
Vinyl chloride	10	75-01-4	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		5.30	5.30	1	ug/kg dry	RJB
Xylenes, Total	10	1330-20-7	SW8260D	12/14/2023 19:21	12/14/2023 19:21	BLOD		15.9	15.9	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*10*		*112 %*	*80-120*	*12/14/2023 19:21*	*12/14/2023 19:21*						
Surr: 4-Bromofluorobenzene (Surr)	*10*		*92.9 %*	*85-120*	*12/14/2023 19:21*	*12/14/2023 19:21*						
Surr: Dibromofluoromethane (Surr)	*10*		*104 %*	*80-130*	*12/14/2023 19:21*	*12/14/2023 19:21*						
Surr: Toluene-d8 (Surr)	*10*		*99.9 %*	*85-115*	*12/14/2023 19:21*	*12/14/2023 19:21*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	10	123-91-1	SW8270E SIM	12/15/2023 12:30	12/19/2023 21:29	BLOD		3.87	3.87	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*10*	*80.6 %*	*35-100*	*12/15/2023 12:30*	*12/19/2023 21:29*							
1,2,4,5-Tetrachlorobenzene	10	95-94-3	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
1,2,4-Trichlorobenzene	10	120-82-1	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
1,2-Dichlorobenzene	10	95-50-1	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
1,2-Diphenylhydrazine	10	122-66-7	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
1,3-Dichlorobenzene	10	541-73-1	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
1,3-Dinitrobenzene	10	99-65-0	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
1,4-Dichlorobenzene	10	106-46-7	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
1-Chloronaphthalene	10	90-13-1	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
1-Naphthylamine	10	134-32-7	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	10	58-90-2	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
2,4,5-Trichlorophenol	10	95-95-4	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
2,4,6-Trichlorophenol	10	88-06-2	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
2,4-Dichlorophenol	10	120-83-2	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
2,4-Dimethylphenol	10	105-67-9	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
2,4-Dinitrophenol	10	51-28-5	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
2,4-Dinitrotoluene	10	121-14-2	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
2,6-Dichlorophenol	10	87-65-0	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
2,6-Dinitrotoluene	10	606-20-2	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
2-Chloronaphthalene	10	91-58-7	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
2-Chlorophenol	10	95-57-8	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
2-Methylnaphthalene	10	91-57-6	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	10	91-59-8	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
2-Nitroaniline	10	88-74-4	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
2-Nitrophenol	10	88-75-5	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
3,3'-Dichlorobenzidine	10	91-94-1	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
3-Methylcholanthrene	10	56-49-5	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
3-Nitroaniline	10	99-09-2	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	10	534-52-1	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
4-Aminobiphenyl	10	92-67-1	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
4-Bromophenyl phenyl ether	10	101-55-3	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
4-Chloroaniline	10	106-47-8	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	10	7005-72-3	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
4-Nitroaniline	10	100-01-6	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
4-Nitrophenol	10	100-02-7	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	10	57-97-6	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Acenaphthene	10	83-32-9	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Acenaphthylene	10	208-96-8	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Acetophenone	10	98-86-2	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Aniline	10	62-53-3	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Anthracene	10	120-12-7	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Benzidine	10	92-87-5	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Benzo (a) anthracene	10	56-55-3	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Benzo (a) pyrene	10	50-32-8	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Benzo (b) fluoranthene	10	205-99-2	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Benzo (g,h,i) perylene	10	191-24-2	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS

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Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	10	207-08-9	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Benzoic acid	10	65-85-0	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Benzyl alcohol	10	100-51-6	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	10	111-91-1	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
bis (2-Chloroethyl) ether	10	111-44-4	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	10	108-60-1	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	10	117-81-7	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Butyl benzyl phthalate	10	85-68-7	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Chrysene	10	218-01-9	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Dibenz (a,h) anthracene	10	53-70-3	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Dibenz (a,j) acridine	10	224-42-0	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Dibenzofuran	10	132-64-9	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Diethyl phthalate	10	84-66-2	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Dimethyl phthalate	10	131-11-3	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Di-n-butyl phthalate	10	84-74-2	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Di-n-octyl phthalate	10	117-84-0	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Diphenylamine	10	122-39-4	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Ethyl methanesulfonate	10	62-50-0	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Fluoranthene	10	206-44-0	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Fluorene	10	86-73-7	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Hexachlorobenzene	10	118-74-1	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Hexachlorobutadiene	10	87-68-3	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Hexachlorocyclopentadiene	10	77-47-4	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Hexachloroethane	10	67-72-1	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **Dup-3** **Laboratory Sample ID:** **23L0795-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	10	193-39-5	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Isophorone	10	78-59-1	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
m+p-Cresols	10	1319-77-3	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Methyl methanesulfonate	10	66-27-3	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Naphthalene	10	91-20-3	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Nitrobenzene	10	98-95-3	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
n-Nitrosodimethylamine	10	62-75-9	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	10	924-16-3	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	10	621-64-7	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
n-Nitrosodiphenylamine	10	86-30-6	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
n-Nitrosopiperidine	10	100-75-4	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
o+m+p-Cresols	10	1319-77-3	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
o-Cresol	10	95-48-7	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	10	60-11-7	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
p-Chloro-m-cresol	10	59-50-7	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	10	82-68-8	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Pentachlorophenol	10	87-86-5	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD	C	96.7	96.7	1	ug/kg dry	BMS
Phenacetin	10	62-44-2	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Phenanthrene	10	85-01-8	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Phenol	10	108-95-2	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Pronamide	10	23950-58-5	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Pyrene	10	129-00-0	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Pyridine	10	110-86-1	SW8270E	12/15/2023 12:30	12/18/2023 19:44	BLOD		96.7	96.7	1	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*10*	*41.3 %*	*15-96*	*12/15/2023 12:30*	*12/18/2023 19:44*							

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Client Sample ID: **Dup-3** **Laboratory Sample ID:** **23L0795-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*10*		*44.1 %*	*19-105*	*12/15/2023 12:30*	*12/18/2023 19:44*						
Surr: 2-Fluorophenol (Surr)	*10*		*51.7 %*	*12-95*	*12/15/2023 12:30*	*12/18/2023 19:44*						
Surr: Nitrobenzene-d5 (Surr)	*10*		*54.9 %*	*21-100*	*12/15/2023 12:30*	*12/18/2023 19:44*						
Surr: Phenol-d5 (Surr)	*10*		*45.8 %*	*13-100*	*12/15/2023 12:30*	*12/18/2023 19:44*						
Surr: p-Terphenyl-d14 (Surr)	*10*		*42.0 %*	*25-125*	*12/15/2023 12:30*	*12/18/2023 19:44*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	10	14808-79-8	SW9056A	12/14/2023 12:28	12/15/2023 11:32	5.54	J	2.97	11.9	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	10	7664-41-7	EPA350.1 R2.0	12/27/2023 14:31	12/27/2023 15:21	BLOD		11.6	11.6	1	mg/kg dry	SPH
Chromium, Hexavalent	10	18540-29-9	SW7199	12/22/2023 09:00	12/23/2023 02:27	0.25		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	10	14797-55-8	SW9056A	12/14/2023 12:28	12/15/2023 11:32	BLOD		1.19	2.38	1	mg/kg dry	ATG
Percent Solids	10	NA	SM2540G-2011	12/20/2023 16:17	12/20/2023 16:17	84.1		0.10	0.10	1	%	LAM

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Client Sample ID: **Trip Blank** **Laboratory Sample ID:** **23L0795-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	11	630-20-6	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.40	0.40	1	ug/L	CGN
1,1,1-Trichloroethane	11	71-55-6	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.60	1.00	1	ug/L	CGN
1,1,2,2-Tetrachloroethane	11	79-34-5	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.30	0.40	1	ug/L	CGN
1,1,2-Trichloroethane	11	79-00-5	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.50	1.00	1	ug/L	CGN
1,1-Dichloroethane	11	75-34-3	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.60	1.00	1	ug/L	CGN
1,1-Dichloroethylene	11	75-35-4	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.70	1.00	1	ug/L	CGN
1,1-Dichloropropene	11	563-58-6	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.60	1.00	1	ug/L	CGN
1,2,3-Trichlorobenzene	11	87-61-6	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.70	1.00	1	ug/L	CGN
1,2,3-Trichloropropane	11	96-18-4	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.40	1.00	1	ug/L	CGN
1,2,4-Trichlorobenzene	11	120-82-1	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.50	1.00	1	ug/L	CGN
1,2,4-Trimethylbenzene	11	95-63-6	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.40	1.00	1	ug/L	CGN
1,2-Dibromo-3-chloropropane (DBCP)	11	96-12-8	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.60	1.00	1	ug/L	CGN
1,2-Dibromoethane (EDB)	11	106-93-4	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.40	1.00	1	ug/L	CGN
1,2-Dichlorobenzene	11	95-50-1	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.40	0.50	1	ug/L	CGN
1,2-Dichloroethane	11	107-06-2	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.70	1.00	1	ug/L	CGN
1,2-Dichloropropane	11	78-87-5	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.40	0.50	1	ug/L	CGN
1,3,5-Trimethylbenzene	11	108-67-8	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.90	1.00	1	ug/L	CGN
1,3-Dichlorobenzene	11	541-73-1	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.30	1.00	1	ug/L	CGN
1,3-Dichloropropane	11	142-28-9	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		1.00	1.00	1	ug/L	CGN
1,4-Dichlorobenzene	11	106-46-7	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.40	1.00	1	ug/L	CGN
2,2-Dichloropropane	11	594-20-7	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.60	1.00	1	ug/L	CGN
2-Butanone (MEK)	11	78-93-3	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		3.00	10.0	1	ug/L	CGN
2-Chlorotoluene	11	95-49-8	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.50	1.00	1	ug/L	CGN
2-Hexanone (MBK)	11	591-78-6	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		2.20	5.00	1	ug/L	CGN

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Client Sample ID: **Trip Blank** **Laboratory Sample ID:** **23L0795-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
4-Chlorotoluene	11	106-43-4	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.50	1.00	1	ug/L	CGN
4-Isopropyltoluene	11	99-87-6	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.40	1.00	1	ug/L	CGN
4-Methyl-2-pentanone (MIBK)	11	108-10-1	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		1.50	5.00	1	ug/L	CGN
Acetone	11	67-64-1	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		7.00	10.0	1	ug/L	CGN
Benzene	11	71-43-2	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.40	1.00	1	ug/L	CGN
Bromobenzene	11	108-86-1	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.50	1.00	1	ug/L	CGN
Bromochloromethane	11	74-97-5	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.50	1.00	1	ug/L	CGN
Bromodichloromethane	11	75-27-4	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.40	0.50	1	ug/L	CGN
Bromoform	11	75-25-2	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.40	1.00	1	ug/L	CGN
Bromomethane	11	74-83-9	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.80	1.00	1	ug/L	CGN
Carbon disulfide	11	75-15-0	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		5.00	10.0	1	ug/L	CGN
Carbon tetrachloride	11	56-23-5	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.50	1.00	1	ug/L	CGN
Chlorobenzene	11	108-90-7	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.40	1.00	1	ug/L	CGN
Chloroethane	11	75-00-3	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.70	1.00	1	ug/L	CGN
Chloroform	11	67-66-3	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.50	0.50	1	ug/L	CGN
Chloromethane	11	74-87-3	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.95	1.00	1	ug/L	CGN
cis-1,2-Dichloroethylene	11	156-59-2	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.40	1.00	1	ug/L	CGN
cis-1,3-Dichloropropene	11	10061-01-5	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.30	1.00	1	ug/L	CGN
Dibromochloromethane	11	124-48-1	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.35	0.50	1	ug/L	CGN
Dibromomethane	11	74-95-3	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.40	1.00	1	ug/L	CGN
Dichlorodifluoromethane	11	75-71-8	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.95	1.00	1	ug/L	CGN
Di-isopropyl ether (DIPE)	11	108-20-3	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		3.00	5.00	1	ug/L	CGN
Ethylbenzene	11	100-41-4	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.40	1.00	1	ug/L	CGN
Hexachlorobutadiene	11	87-68-3	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.60	0.80	1	ug/L	CGN

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Iodomethane	11	74-88-4	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD	C	6.00	10.0	1	ug/L	CGN
Isopropylbenzene	11	98-82-8	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.50	1.00	1	ug/L	CGN
m+p-Xylenes	11	179601-23-1	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.60	2.00	1	ug/L	CGN
Methylene chloride	11	75-09-2	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		4.00	4.00	1	ug/L	CGN
Methyl-t-butyl ether (MTBE)	11	1634-04-4	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.60	1.00	1	ug/L	CGN
Naphthalene	11	91-20-3	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.80	1.00	1	ug/L	CGN
n-Butylbenzene	11	104-51-8	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.40	1.00	1	ug/L	CGN
n-Propylbenzene	11	103-65-1	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.40	1.00	1	ug/L	CGN
o-Xylene	11	95-47-6	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.40	1.00	1	ug/L	CGN
sec-Butylbenzene	11	135-98-8	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.40	1.00	1	ug/L	CGN
Styrene	11	100-42-5	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.40	1.00	1	ug/L	CGN
tert-Butylbenzene	11	98-06-6	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.40	1.00	1	ug/L	CGN
Tetrachloroethylene (PCE)	11	127-18-4	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.40	1.00	1	ug/L	CGN
Toluene	11	108-88-3	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.50	1.00	1	ug/L	CGN
trans-1,2-Dichloroethylene	11	156-60-5	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.60	1.00	1	ug/L	CGN
trans-1,3-Dichloropropene	11	10061-02-6	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.30	1.00	1	ug/L	CGN
Trichloroethylene	11	79-01-6	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.40	1.00	1	ug/L	CGN
Trichlorofluoromethane	11	75-69-4	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.80	1.00	1	ug/L	CGN
Vinyl acetate	11	108-05-4	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		2.00	10.0	1	ug/L	CGN
Vinyl chloride	11	75-01-4	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		0.50	0.50	1	ug/L	CGN
Xylenes, Total	11	1330-20-7	SW8260D	12/14/2023 13:15	12/14/2023 13:15	BLOD		1.00	3.00	1	ug/L	CGN
Surr: 1,2-Dichloroethane-d4 (Surr)	*11*	*91.0 %*	*70-120*	*12/14/2023 13:15*	*12/14/2023 13:15*							
Surr: 4-Bromofluorobenzene (Surr)	*11*	*96.9 %*	*75-120*	*12/14/2023 13:15*	*12/14/2023 13:15*							
Surr: Dibromofluoromethane (Surr)	*11*	*95.3 %*	*70-130*	*12/14/2023 13:15*	*12/14/2023 13:15*							

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Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **Trip Blank** **Laboratory Sample ID:** **23L0795-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Surr: Toluene-d8 (Surr)	*11*		*97.7 %*	*70-130*	*12/14/2023 13:15*	*12/14/2023 13:15*						

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-63** **Laboratory Sample ID:** **23L0912-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	01	7440-22-4	SW6020B	12/15/2023 10:45	12/18/2023 13:41	15.0		2.89	2.89	1	ug/kg dry	MDW
Arsenic	01	7440-38-2	SW6020B	12/15/2023 10:45	12/18/2023 13:41	1820		57.8	57.8	1	ug/kg dry	MDW
Barium	01RE1	7440-39-3	SW6020B	12/15/2023 10:45	12/18/2023 12:45	89500		57800	57800	100	ug/kg dry	MDW
Beryllium	01	7440-41-7	SW6020B	12/15/2023 10:45	12/18/2023 13:41	422		57.8	57.8	1	ug/kg dry	MDW
Cadmium	01	7440-43-9	SW6020B	12/15/2023 10:45	12/18/2023 13:41	BLOD		57.8	57.8	1	ug/kg dry	MDW
Cobalt	01	7440-48-4	SW6020B	12/15/2023 10:45	12/18/2023 13:41	10200		57.8	57.8	1	ug/kg dry	MDW
Chromium	01RE1	7440-47-3	SW6020B	12/15/2023 10:45	12/18/2023 12:45	38900		5780	5780	100	ug/kg dry	MDW
Copper	01RE1	7440-50-8	SW6020B	12/15/2023 10:45	12/18/2023 12:45	35200		5780	5780	100	ug/kg dry	MDW
Mercury	01	7439-97-6	SW7471B	12/19/2023 10:15	12/19/2023 13:15	0.162		0.010	0.010	1	mg/kg dry	SGT
Manganese	01RE1	7439-96-5	SW6020B	12/15/2023 10:45	12/18/2023 12:45	334000		5780	5780	100	ug/kg dry	MDW
Nickel	01	7440-02-0	SW6020B	12/15/2023 10:45	12/18/2023 13:41	14500		57.8	57.8	1	ug/kg dry	MDW
Lead	01	7439-92-1	SW6020B	12/15/2023 10:45	12/18/2023 13:41	16700		57.8	57.8	1	ug/kg dry	MDW
Antimony	01	7440-36-0	SW6020B	12/15/2023 10:45	12/18/2023 13:41	115		57.8	57.8	1	ug/kg dry	MDW
Selenium	01	7782-49-2	SW6020B	12/15/2023 10:45	12/18/2023 13:41	1170		57.8	57.8	1	ug/kg dry	MDW
Thallium	01	7440-28-0	SW6020B	12/15/2023 10:45	12/18/2023 13:41	93.1		57.8	57.8	1	ug/kg dry	MDW
Vanadium	01RE1	7440-62-2	SW6020B	12/15/2023 10:45	12/18/2023 12:45	58700		28900	28900	100	ug/kg dry	MDW
Zinc	01RE1	7440-66-6	SW6020B	12/15/2023 10:45	12/18/2023 12:45	60900		28900	28900	100	ug/kg dry	MDW
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	01	630-20-6	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
1,1,1-Trichloroethane	01	71-55-6	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
1,1,2,2-Tetrachloroethane	01	79-34-5	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
1,1,2-Trichloroethane	01	79-00-5	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
1,1-Dichloroethane	01	75-34-3	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
1,1-Dichloroethylene	01	75-35-4	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-63** **Laboratory Sample ID:** **23L0912-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	01	563-58-6	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
1,2,3-Trichlorobenzene	01	87-61-6	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
1,2,3-Trichloropropane	01	96-18-4	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
1,2,4-Trichlorobenzene	01	120-82-1	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
1,2,4-Trimethylbenzene	01	95-63-6	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
1,2-Dibromo-3-chloropropane (DBCP)	01	96-12-8	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
1,2-Dibromoethane (EDB)	01	106-93-4	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
1,2-Dichlorobenzene	01	95-50-1	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
1,2-Dichloroethane	01	107-06-2	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
1,2-Dichloropropane	01	78-87-5	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
1,3,5-Trimethylbenzene	01	108-67-8	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
1,3-Dichlorobenzene	01	541-73-1	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
1,3-Dichloropropane	01	142-28-9	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
1,4-Dichlorobenzene	01	106-46-7	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
2,2-Dichloropropane	01	594-20-7	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
2-Butanone (MEK)	01	78-93-3	SW8260D	12/18/2023 12:06	12/18/2023 12:06	9.96		5.10	5.10	1	ug/kg dry	TLH
2-Chlorotoluene	01	95-49-8	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
2-Hexanone (MBK)	01	591-78-6	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
4-Chlorotoluene	01	106-43-4	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
4-Isopropyltoluene	01	99-87-6	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
4-Methyl-2-pentanone (MIBK)	01	108-10-1	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
Acetone	01	67-64-1	SW8260D	12/18/2023 12:06	12/18/2023 12:06	231		10.2	10.2	1	ug/kg dry	TLH
Benzene	01	71-43-2	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
Bromobenzene	01	108-86-1	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-63** **Laboratory Sample ID:** **23L0912-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	01	74-97-5	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
Bromodichloromethane	01	75-27-4	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
Bromoform	01	75-25-2	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD	C	5.10	5.10	1	ug/kg dry	TLH
Bromomethane	01	74-83-9	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
Carbon disulfide	01	75-15-0	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
Carbon tetrachloride	01	56-23-5	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
Chlorobenzene	01	108-90-7	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
Chloroethane	01	75-00-3	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
Chloroform	01	67-66-3	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
Chloromethane	01	74-87-3	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
cis-1,2-Dichloroethylene	01	156-59-2	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
cis-1,3-Dichloropropene	01	10061-01-5	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
Dibromochloromethane	01	124-48-1	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
Dibromomethane	01	74-95-3	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
Dichlorodifluoromethane	01	75-71-8	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
Di-isopropyl ether (DIPE)	01	108-20-3	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
Ethylbenzene	01	100-41-4	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
Hexachlorobutadiene	01	87-68-3	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
Iodomethane	01	74-88-4	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		10.2	10.2	1	ug/kg dry	TLH
Isopropylbenzene	01	98-82-8	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
m+p-Xylenes	01	179601-23-1	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
Methylene chloride	01	75-09-2	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
Methyl-t-butyl ether (MTBE)	01	1634-04-4	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-63** **Laboratory Sample ID:** **23L0912-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	01	91-20-3	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
n-Butylbenzene	01	104-51-8	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
n-Propylbenzene	01	103-65-1	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
o-Xylene	01	95-47-6	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
sec-Butylbenzene	01	135-98-8	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
Styrene	01	100-42-5	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
tert-Butylbenzene	01	98-06-6	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
Tetrachloroethylene (PCE)	01	127-18-4	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
Toluene	01	108-88-3	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
trans-1,2-Dichloroethylene	01	156-60-5	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
trans-1,3-Dichloropropene	01	10061-02-6	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
Trichloroethylene	01	79-01-6	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
Trichlorofluoromethane	01	75-69-4	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
Vinyl acetate	01	108-05-4	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	10.2	1	ug/kg dry	TLH
Vinyl chloride	01	75-01-4	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		5.10	5.10	1	ug/kg dry	TLH
Xylenes, Total	01	1330-20-7	SW8260D	12/18/2023 12:06	12/18/2023 12:06	BLOD		15.3	15.3	1	ug/kg dry	TLH
Surr: 1,2-Dichloroethane-d4 (Surr)	*01*		*110 %*	*80-120*	*12/18/2023 12:06*	*12/18/2023 12:06*						
Surr: 4-Bromofluorobenzene (Surr)	*01*		*87.8 %*	*85-120*	*12/18/2023 12:06*	*12/18/2023 12:06*						
Surr: Dibromofluoromethane (Surr)	*01*		*108 %*	*80-130*	*12/18/2023 12:06*	*12/18/2023 12:06*						
Surr: Toluene-d8 (Surr)	*01*		*99.8 %*	*85-115*	*12/18/2023 12:06*	*12/18/2023 12:06*						

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-63** **Laboratory Sample ID:** **23L0912-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	01	123-91-1	SW8270E SIM	12/18/2023 15:30	12/19/2023 21:56	BLOD		4.02	4.02	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*01*	*74.6 %*	*35-100*	*12/18/2023 15:30*	*12/19/2023 21:56*							
1,2,4,5-Tetrachlorobenzene	01	95-94-3	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
1,2,4-Trichlorobenzene	01	120-82-1	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
1,2-Dichlorobenzene	01	95-50-1	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
1,2-Diphenylhydrazine	01	122-66-7	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
1,3-Dichlorobenzene	01	541-73-1	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
1,3-Dinitrobenzene	01	99-65-0	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
1,4-Dichlorobenzene	01	106-46-7	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
1-Chloronaphthalene	01	90-13-1	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
1-Naphthylamine	01	134-32-7	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	01	58-90-2	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
2,4,5-Trichlorophenol	01	95-95-4	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
2,4,6-Trichlorophenol	01	88-06-2	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
2,4-Dichlorophenol	01	120-83-2	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
2,4-Dimethylphenol	01	105-67-9	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
2,4-Dinitrophenol	01	51-28-5	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
2,4-Dinitrotoluene	01	121-14-2	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
2,6-Dichlorophenol	01	87-65-0	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
2,6-Dinitrotoluene	01	606-20-2	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
2-Chloronaphthalene	01	91-58-7	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
2-Chlorophenol	01	95-57-8	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
2-Methylnaphthalene	01	91-57-6	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-63** **Laboratory Sample ID:** **23L0912-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	01	91-59-8	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
2-Nitroaniline	01	88-74-4	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
2-Nitrophenol	01	88-75-5	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
3,3'-Dichlorobenzidine	01	91-94-1	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
3-Methylcholanthrene	01	56-49-5	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
3-Nitroaniline	01	99-09-2	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	01	534-52-1	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
4-Aminobiphenyl	01	92-67-1	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
4-Bromophenyl phenyl ether	01	101-55-3	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
4-Chloroaniline	01	106-47-8	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	01	7005-72-3	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
4-Nitroaniline	01	100-01-6	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
4-Nitrophenol	01	100-02-7	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	01	57-97-6	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Acenaphthene	01	83-32-9	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Acenaphthylene	01	208-96-8	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Acetophenone	01	98-86-2	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Aniline	01	62-53-3	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Anthracene	01	120-12-7	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Benzidine	01	92-87-5	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Benzo (a) anthracene	01	56-55-3	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Benzo (a) pyrene	01	50-32-8	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Benzo (b) fluoranthene	01	205-99-2	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Benzo (g,h,i) perylene	01	191-24-2	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS

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Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	01	207-08-9	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Benzoic acid	01	65-85-0	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Benzyl alcohol	01	100-51-6	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	01	111-91-1	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
bis (2-Chloroethyl) ether	01	111-44-4	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	01	108-60-1	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	01	117-81-7	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Butyl benzyl phthalate	01	85-68-7	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Chrysene	01	218-01-9	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Dibenz (a,h) anthracene	01	53-70-3	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD	C	1010	1010	10	ug/kg dry	BMS
Dibenz (a,j) acridine	01	224-42-0	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD	C	1010	1010	10	ug/kg dry	BMS
Dibenzofuran	01	132-64-9	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Diethyl phthalate	01	84-66-2	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Dimethyl phthalate	01	131-11-3	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Di-n-butyl phthalate	01	84-74-2	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Di-n-octyl phthalate	01	117-84-0	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Diphenylamine	01	122-39-4	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Ethyl methanesulfonate	01	62-50-0	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Fluoranthene	01	206-44-0	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Fluorene	01	86-73-7	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Hexachlorobenzene	01	118-74-1	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD	C	1010	1010	10	ug/kg dry	BMS
Hexachlorobutadiene	01	87-68-3	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Hexachlorocyclopentadiene	01	77-47-4	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD	C	1010	1010	10	ug/kg dry	BMS
Hexachloroethane	01	67-72-1	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	01	193-39-5	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD	C	1010	1010	10	ug/kg dry	BMS
Isophorone	01	78-59-1	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
m+p-Cresols	01	1319-77-3	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Methyl methanesulfonate	01	66-27-3	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Naphthalene	01	91-20-3	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Nitrobenzene	01	98-95-3	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
n-Nitrosodimethylamine	01	62-75-9	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD	C	1010	1010	10	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	01	924-16-3	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	01	621-64-7	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
n-Nitrosodiphenylamine	01	86-30-6	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
n-Nitrosopiperidine	01	100-75-4	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
o+m+p-Cresols	01	1319-77-3	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
o-Cresol	01	95-48-7	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	01	60-11-7	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
p-Chloro-m-cresol	01	59-50-7	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	01	82-68-8	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Pentachlorophenol	01	87-86-5	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD	C	1010	1010	10	ug/kg dry	BMS
Phenacetin	01	62-44-2	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Phenanthrene	01	85-01-8	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Phenol	01	108-95-2	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Pronamide	01	23950-58-5	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Pyrene	01	129-00-0	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD		1010	1010	10	ug/kg dry	BMS
Pyridine	01	110-86-1	SW8270E	12/18/2023 15:30	12/19/2023 20:19	BLOD	C	1010	1010	10	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*01*	*23.4 %*	*15-96*	*12/18/2023 15:30*	*12/19/2023 20:19*							

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Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*01*		*29.0 %*	*19-105*	*12/18/2023 15:30*	*12/19/2023 20:19*						
Surr: 2-Fluorophenol (Surr)	*01*		*41.6 %*	*12-95*	*12/18/2023 15:30*	*12/19/2023 20:19*						
Surr: Nitrobenzene-d5 (Surr)	*01*		*54.0 %*	*21-100*	*12/18/2023 15:30*	*12/19/2023 20:19*						
Surr: Phenol-d5 (Surr)	*01*		*49.8 %*	*13-100*	*12/18/2023 15:30*	*12/19/2023 20:19*						
Surr: p-Terphenyl-d14 (Surr)	*01*		*34.8 %*	*25-125*	*12/18/2023 15:30*	*12/19/2023 20:19*						

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Ion Chromatography Analyses												
Sulfate	01	14808-79-8	SW9056A	12/15/2023 09:00	12/15/2023 09:00	22.4		3.04	12.2	1	mg/kg dry	ATG

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Wet Chemistry Analysis												
Ammonia as N	01	7664-41-7	EPA350.1 R2.0	12/28/2023 16:07	12/28/2023 16:07	BLOD		11.7	11.7	1	mg/kg dry	LAM
Chromium, Hexavalent	01	18540-29-9	SW7199	12/27/2023 09:00	12/28/2023 12:36	0.71		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	01	14797-55-8	SW9056A	12/15/2023 09:00	12/15/2023 09:00	BLOD		1.22	2.43	1	mg/kg dry	ATG
Percent Solids	01	NA	SM2540G-2011	12/20/2023 16:17	12/20/2023 16:17	82.2		0.10	0.10	1	%	LAM

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Client Sample ID: **SC-60** **Laboratory Sample ID:** **23L0912-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	02	7440-22-4	SW6020B	12/15/2023 10:45	12/18/2023 13:44	28.5		2.95	2.95	1	ug/kg dry	MDW
Arsenic	02	7440-38-2	SW6020B	12/15/2023 10:45	12/18/2023 13:44	2050		58.9	58.9	1	ug/kg dry	MDW
Barium	02RE1	7440-39-3	SW6020B	12/15/2023 10:45	12/18/2023 12:48	64400		58900	58900	100	ug/kg dry	MDW
Beryllium	02	7440-41-7	SW6020B	12/15/2023 10:45	12/18/2023 13:44	501		58.9	58.9	1	ug/kg dry	MDW
Cadmium	02	7440-43-9	SW6020B	12/15/2023 10:45	12/18/2023 13:44	219		58.9	58.9	1	ug/kg dry	MDW
Cobalt	02	7440-48-4	SW6020B	12/15/2023 10:45	12/18/2023 13:44	10800		58.9	58.9	1	ug/kg dry	MDW
Chromium	02RE1	7440-47-3	SW6020B	12/15/2023 10:45	12/18/2023 12:48	36600		5890	5890	100	ug/kg dry	MDW
Copper	02RE1	7440-50-8	SW6020B	12/15/2023 10:45	12/18/2023 12:48	60700		5890	5890	100	ug/kg dry	MDW
Mercury	02	7439-97-6	SW7471B	12/19/2023 10:15	12/19/2023 13:17	0.061		0.010	0.010	1	mg/kg dry	SGT
Manganese	02RE1	7439-96-5	SW6020B	12/15/2023 10:45	12/18/2023 12:48	382000		5890	5890	100	ug/kg dry	MDW
Nickel	02	7440-02-0	SW6020B	12/15/2023 10:45	12/18/2023 13:44	12700		58.9	58.9	1	ug/kg dry	MDW
Lead	02RE1	7439-92-1	SW6020B	12/15/2023 10:45	12/18/2023 12:48	91000		5890	5890	100	ug/kg dry	MDW
Antimony	02	7440-36-0	SW6020B	12/15/2023 10:45	12/18/2023 13:44	307		58.9	58.9	1	ug/kg dry	MDW
Selenium	02	7782-49-2	SW6020B	12/15/2023 10:45	12/18/2023 13:44	1520		58.9	58.9	1	ug/kg dry	MDW
Thallium	02	7440-28-0	SW6020B	12/15/2023 10:45	12/18/2023 13:44	79.2		58.9	58.9	1	ug/kg dry	MDW
Vanadium	02RE1	7440-62-2	SW6020B	12/15/2023 10:45	12/18/2023 12:48	73900		29500	29500	100	ug/kg dry	MDW
Zinc	02RE1	7440-66-6	SW6020B	12/15/2023 10:45	12/18/2023 12:48	98700		29500	29500	100	ug/kg dry	MDW
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	02	630-20-6	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
1,1,1-Trichloroethane	02	71-55-6	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
1,1,2,2-Tetrachloroethane	02	79-34-5	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
1,1,2-Trichloroethane	02	79-00-5	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
1,1-Dichloroethane	02	75-34-3	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
1,1-Dichloroethylene	02	75-35-4	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-60** **Laboratory Sample ID:** **23L0912-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	02	563-58-6	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
1,2,3-Trichlorobenzene	02	87-61-6	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
1,2,3-Trichloropropane	02	96-18-4	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
1,2,4-Trichlorobenzene	02	120-82-1	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
1,2,4-Trimethylbenzene	02	95-63-6	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
1,2-Dibromo-3-chloropropane (DBCP)	02	96-12-8	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
1,2-Dibromoethane (EDB)	02	106-93-4	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
1,2-Dichlorobenzene	02	95-50-1	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
1,2-Dichloroethane	02	107-06-2	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
1,2-Dichloropropane	02	78-87-5	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
1,3,5-Trimethylbenzene	02	108-67-8	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
1,3-Dichlorobenzene	02	541-73-1	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
1,3-Dichloropropane	02	142-28-9	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
1,4-Dichlorobenzene	02	106-46-7	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
2,2-Dichloropropane	02	594-20-7	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
2-Butanone (MEK)	02	78-93-3	SW8260D	12/18/2023 12:29	12/18/2023 12:29	19.1		5.60	5.60	1	ug/kg dry	TLH
2-Chlorotoluene	02	95-49-8	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
2-Hexanone (MBK)	02	591-78-6	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
4-Chlorotoluene	02	106-43-4	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
4-Isopropyltoluene	02	99-87-6	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
4-Methyl-2-pentanone (MIBK)	02	108-10-1	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
Acetone	02	67-64-1	SW8260D	12/18/2023 12:29	12/18/2023 12:29	374		11.2	11.2	1	ug/kg dry	TLH
Benzene	02	71-43-2	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
Bromobenzene	02	108-86-1	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-60** **Laboratory Sample ID:** **23L0912-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	02	74-97-5	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
Bromodichloromethane	02	75-27-4	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
Bromoform	02	75-25-2	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD	C	5.60	5.60	1	ug/kg dry	TLH
Bromomethane	02	74-83-9	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
Carbon disulfide	02	75-15-0	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
Carbon tetrachloride	02	56-23-5	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
Chlorobenzene	02	108-90-7	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
Chloroethane	02	75-00-3	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
Chloroform	02	67-66-3	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
Chloromethane	02	74-87-3	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
cis-1,2-Dichloroethylene	02	156-59-2	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
cis-1,3-Dichloropropene	02	10061-01-5	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
Dibromochloromethane	02	124-48-1	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
Dibromomethane	02	74-95-3	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
Dichlorodifluoromethane	02	75-71-8	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
Di-isopropyl ether (DIPE)	02	108-20-3	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
Ethylbenzene	02	100-41-4	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
Hexachlorobutadiene	02	87-68-3	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
Iodomethane	02	74-88-4	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		11.2	11.2	1	ug/kg dry	TLH
Isopropylbenzene	02	98-82-8	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
m+p-Xylenes	02	179601-23-1	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
Methylene chloride	02	75-09-2	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
Methyl-t-butyl ether (MTBE)	02	1634-04-4	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-60** **Laboratory Sample ID:** **23L0912-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	02	91-20-3	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
n-Butylbenzene	02	104-51-8	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
n-Propylbenzene	02	103-65-1	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
o-Xylene	02	95-47-6	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
sec-Butylbenzene	02	135-98-8	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
Styrene	02	100-42-5	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
tert-Butylbenzene	02	98-06-6	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
Tetrachloroethylene (PCE)	02	127-18-4	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
Toluene	02	108-88-3	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
trans-1,2-Dichloroethylene	02	156-60-5	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
trans-1,3-Dichloropropene	02	10061-02-6	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
Trichloroethylene	02	79-01-6	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
Trichlorofluoromethane	02	75-69-4	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
Vinyl acetate	02	108-05-4	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	11.2	1	ug/kg dry	TLH
Vinyl chloride	02	75-01-4	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		5.60	5.60	1	ug/kg dry	TLH
Xylenes, Total	02	1330-20-7	SW8260D	12/18/2023 12:29	12/18/2023 12:29	BLOD		16.8	16.8	1	ug/kg dry	TLH
Surr: 1,2-Dichloroethane-d4 (Surr)	*02*		*114 %*	*80-120*	*12/18/2023 12:29*	*12/18/2023 12:29*						
Surr: 4-Bromofluorobenzene (Surr)	*02*		*87.5 %*	*85-120*	*12/18/2023 12:29*	*12/18/2023 12:29*						
Surr: Dibromofluoromethane (Surr)	*02*		*108 %*	*80-130*	*12/18/2023 12:29*	*12/18/2023 12:29*						
Surr: Toluene-d8 (Surr)	*02*		*101 %*	*85-115*	*12/18/2023 12:29*	*12/18/2023 12:29*						

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-60** **Laboratory Sample ID:** **23L0912-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	02	123-91-1	SW8270E SIM	12/18/2023 15:30	12/19/2023 22:22	BLOD		4.03	4.03	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*02*	*91.4 %*	*35-100*	*12/18/2023 15:30*	*12/19/2023 22:22*							
1,2,4,5-Tetrachlorobenzene	02	95-94-3	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
1,2,4-Trichlorobenzene	02	120-82-1	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
1,2-Dichlorobenzene	02	95-50-1	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
1,2-Diphenylhydrazine	02	122-66-7	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
1,3-Dichlorobenzene	02	541-73-1	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
1,3-Dinitrobenzene	02	99-65-0	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
1,4-Dichlorobenzene	02	106-46-7	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
1-Chloronaphthalene	02	90-13-1	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
1-Naphthylamine	02	134-32-7	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	02	58-90-2	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
2,4,5-Trichlorophenol	02	95-95-4	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
2,4,6-Trichlorophenol	02	88-06-2	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
2,4-Dichlorophenol	02	120-83-2	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
2,4-Dimethylphenol	02	105-67-9	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
2,4-Dinitrophenol	02	51-28-5	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
2,4-Dinitrotoluene	02	121-14-2	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
2,6-Dichlorophenol	02	87-65-0	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
2,6-Dinitrotoluene	02	606-20-2	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
2-Chloronaphthalene	02	91-58-7	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
2-Chlorophenol	02	95-57-8	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
2-Methylnaphthalene	02	91-57-6	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-60** **Laboratory Sample ID:** **23L0912-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	02	91-59-8	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
2-Nitroaniline	02	88-74-4	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
2-Nitrophenol	02	88-75-5	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
3,3'-Dichlorobenzidine	02	91-94-1	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
3-Methylcholanthrene	02	56-49-5	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
3-Nitroaniline	02	99-09-2	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	02	534-52-1	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
4-Aminobiphenyl	02	92-67-1	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
4-Bromophenyl phenyl ether	02	101-55-3	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
4-Chloroaniline	02	106-47-8	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	02	7005-72-3	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
4-Nitroaniline	02	100-01-6	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
4-Nitrophenol	02	100-02-7	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	02	57-97-6	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Acenaphthene	02	83-32-9	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Acenaphthylene	02	208-96-8	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Acetophenone	02	98-86-2	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Aniline	02	62-53-3	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Anthracene	02	120-12-7	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Benzidine	02	92-87-5	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Benzo (a) anthracene	02	56-55-3	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Benzo (a) pyrene	02	50-32-8	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Benzo (b) fluoranthene	02	205-99-2	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Benzo (g,h,i) perylene	02	191-24-2	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-60** **Laboratory Sample ID:** **23L0912-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	02	207-08-9	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Benzoic acid	02	65-85-0	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Benzyl alcohol	02	100-51-6	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	02	111-91-1	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
bis (2-Chloroethyl) ether	02	111-44-4	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	02	108-60-1	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	02	117-81-7	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Butyl benzyl phthalate	02	85-68-7	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Chrysene	02	218-01-9	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Dibenz (a,h) anthracene	02	53-70-3	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD	C	403	403	4	ug/kg dry	BMS
Dibenz (a,j) acridine	02	224-42-0	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD	C	403	403	4	ug/kg dry	BMS
Dibenzofuran	02	132-64-9	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Diethyl phthalate	02	84-66-2	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Dimethyl phthalate	02	131-11-3	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Di-n-butyl phthalate	02	84-74-2	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Di-n-octyl phthalate	02	117-84-0	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Diphenylamine	02	122-39-4	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Ethyl methanesulfonate	02	62-50-0	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Fluoranthene	02	206-44-0	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Fluorene	02	86-73-7	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Hexachlorobenzene	02	118-74-1	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD	C	403	403	4	ug/kg dry	BMS
Hexachlorobutadiene	02	87-68-3	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Hexachlorocyclopentadiene	02	77-47-4	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD	C	403	403	4	ug/kg dry	BMS
Hexachloroethane	02	67-72-1	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS

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Client Sample ID: **SC-60** **Laboratory Sample ID:** **23L0912-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	02	193-39-5	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD	C	403	403	4	ug/kg dry	BMS
Isophorone	02	78-59-1	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
m+p-Cresols	02	1319-77-3	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Methyl methanesulfonate	02	66-27-3	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Naphthalene	02	91-20-3	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Nitrobenzene	02	98-95-3	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
n-Nitrosodimethylamine	02	62-75-9	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD	C	403	403	4	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	02	924-16-3	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	02	621-64-7	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
n-Nitrosodiphenylamine	02	86-30-6	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
n-Nitrosopiperidine	02	100-75-4	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
o+m+p-Cresols	02	1319-77-3	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
o-Cresol	02	95-48-7	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	02	60-11-7	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
p-Chloro-m-cresol	02	59-50-7	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	02	82-68-8	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Pentachlorophenol	02	87-86-5	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD	C	403	403	4	ug/kg dry	BMS
Phenacetin	02	62-44-2	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Phenanthrene	02	85-01-8	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Phenol	02	108-95-2	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Pronamide	02	23950-58-5	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Pyrene	02	129-00-0	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD		403	403	4	ug/kg dry	BMS
Pyridine	02	110-86-1	SW8270E	12/18/2023 15:30	12/19/2023 20:56	BLOD	C	403	403	4	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*02*	*35.1 %*	*15-96*	*12/18/2023 15:30*	*12/19/2023 20:56*							

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Client Sample ID: **SC-60** **Laboratory Sample ID:** **23L0912-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*02*		*53.1 %*	*19-105*	*12/18/2023 15:30*	*12/19/2023 20:56*						
Surr: 2-Fluorophenol (Surr)	*02*		*50.6 %*	*12-95*	*12/18/2023 15:30*	*12/19/2023 20:56*						
Surr: Nitrobenzene-d5 (Surr)	*02*		*68.0 %*	*21-100*	*12/18/2023 15:30*	*12/19/2023 20:56*						
Surr: Phenol-d5 (Surr)	*02*		*61.2 %*	*13-100*	*12/18/2023 15:30*	*12/19/2023 20:56*						
Surr: p-Terphenyl-d14 (Surr)	*02*		*56.5 %*	*25-125*	*12/18/2023 15:30*	*12/19/2023 20:56*						

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Client Sample ID: **SC-60** **Laboratory Sample ID:** **23L0912-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	02	14808-79-8	SW9056A	12/15/2023 09:00	12/15/2023 09:00	9.71	J	3.03	12.1	1	mg/kg dry	ATG

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Client Sample ID: **SC-60** **Laboratory Sample ID:** **23L0912-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	02	7664-41-7	EPA350.1 R2.0	12/28/2023 16:07	12/28/2023 16:07	BLOD		11.8	11.8	1	mg/kg dry	LAM
Chromium, Hexavalent	02	18540-29-9	SW7199	12/27/2023 09:00	12/28/2023 13:03	0.71		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	02	14797-55-8	SW9056A	12/15/2023 09:00	12/15/2023 09:00	BLOD		1.21	2.42	1	mg/kg dry	ATG
Percent Solids	02	NA	SM2540G-2011	12/20/2023 16:17	12/20/2023 16:17	82.6		0.10	0.10	1	%	LAM

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Client Sample ID: **SC-55** **Laboratory Sample ID:** **23L0912-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	03	7440-22-4	SW6020B	12/15/2023 10:45	12/18/2023 13:47	25.5		2.71	2.71	1	ug/kg dry	MDW
Arsenic	03	7440-38-2	SW6020B	12/15/2023 10:45	12/18/2023 13:47	2540		54.2	54.2	1	ug/kg dry	MDW
Barium	03RE1	7440-39-3	SW6020B	12/15/2023 10:45	12/19/2023 11:33	34100		27100	27100	50	ug/kg dry	MDW
Beryllium	03	7440-41-7	SW6020B	12/15/2023 10:45	12/18/2023 13:47	370		54.2	54.2	1	ug/kg dry	MDW
Cadmium	03	7440-43-9	SW6020B	12/15/2023 10:45	12/18/2023 13:47	BLOD		54.2	54.2	1	ug/kg dry	MDW
Cobalt	03	7440-48-4	SW6020B	12/15/2023 10:45	12/18/2023 13:47	5190		54.2	54.2	1	ug/kg dry	MDW
Chromium	03RE1	7440-47-3	SW6020B	12/15/2023 10:45	12/18/2023 12:51	24200		5420	5420	100	ug/kg dry	MDW
Copper	03	7440-50-8	SW6020B	12/15/2023 10:45	12/18/2023 13:47	11700		54.2	54.2	1	ug/kg dry	MDW
Mercury	03	7439-97-6	SW7471B	12/19/2023 10:15	12/19/2023 13:19	0.013		0.009	0.009	1	mg/kg dry	SGT
Manganese	03RE1	7439-96-5	SW6020B	12/15/2023 10:45	12/18/2023 12:51	220000		5420	5420	100	ug/kg dry	MDW
Nickel	03	7440-02-0	SW6020B	12/15/2023 10:45	12/18/2023 13:47	5790		54.2	54.2	1	ug/kg dry	MDW
Lead	03RE1	7439-92-1	SW6020B	12/15/2023 10:45	12/18/2023 12:51	26000		5420	5420	100	ug/kg dry	MDW
Antimony	03	7440-36-0	SW6020B	12/15/2023 10:45	12/18/2023 13:47	336		54.2	54.2	1	ug/kg dry	MDW
Selenium	03	7782-49-2	SW6020B	12/15/2023 10:45	12/18/2023 13:47	731		54.2	54.2	1	ug/kg dry	MDW
Thallium	03	7440-28-0	SW6020B	12/15/2023 10:45	12/18/2023 13:47	69.9		54.2	54.2	1	ug/kg dry	MDW
Vanadium	03RE1	7440-62-2	SW6020B	12/15/2023 10:45	12/18/2023 12:51	33000		27100	27100	100	ug/kg dry	MDW
Zinc	03RE1	7440-66-6	SW6020B	12/15/2023 10:45	12/18/2023 12:51	32900		27100	27100	100	ug/kg dry	MDW
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	03	630-20-6	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
1,1,1-Trichloroethane	03	71-55-6	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
1,1,2,2-Tetrachloroethane	03	79-34-5	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
1,1,2-Trichloroethane	03	79-00-5	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
1,1-Dichloroethane	03	75-34-3	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
1,1-Dichloroethylene	03	75-35-4	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH

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Client Sample ID: **SC-55** **Laboratory Sample ID:** **23L0912-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	03	563-58-6	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
1,2,3-Trichlorobenzene	03	87-61-6	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
1,2,3-Trichloropropane	03	96-18-4	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
1,2,4-Trichlorobenzene	03	120-82-1	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
1,2,4-Trimethylbenzene	03	95-63-6	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
1,2-Dibromo-3-chloropropane (DBCP)	03	96-12-8	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
1,2-Dibromoethane (EDB)	03	106-93-4	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
1,2-Dichlorobenzene	03	95-50-1	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
1,2-Dichloroethane	03	107-06-2	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
1,2-Dichloropropane	03	78-87-5	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
1,3,5-Trimethylbenzene	03	108-67-8	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
1,3-Dichlorobenzene	03	541-73-1	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
1,3-Dichloropropane	03	142-28-9	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
1,4-Dichlorobenzene	03	106-46-7	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
2,2-Dichloropropane	03	594-20-7	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
2-Butanone (MEK)	03	78-93-3	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
2-Chlorotoluene	03	95-49-8	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
2-Hexanone (MBK)	03	591-78-6	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
4-Chlorotoluene	03	106-43-4	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
4-Isopropyltoluene	03	99-87-6	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
4-Methyl-2-pentanone (MIBK)	03	108-10-1	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
Acetone	03	67-64-1	SW8260D	12/18/2023 13:16	12/18/2023 13:16	93.9		10.5	10.5	1	ug/kg dry	TLH
Benzene	03	71-43-2	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
Bromobenzene	03	108-86-1	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-55** **Laboratory Sample ID:** **23L0912-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	03	74-97-5	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
Bromodichloromethane	03	75-27-4	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
Bromoform	03	75-25-2	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD	C	5.23	5.23	1	ug/kg dry	TLH
Bromomethane	03	74-83-9	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
Carbon disulfide	03	75-15-0	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
Carbon tetrachloride	03	56-23-5	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
Chlorobenzene	03	108-90-7	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
Chloroethane	03	75-00-3	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
Chloroform	03	67-66-3	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
Chloromethane	03	74-87-3	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
cis-1,2-Dichloroethylene	03	156-59-2	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
cis-1,3-Dichloropropene	03	10061-01-5	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
Dibromochloromethane	03	124-48-1	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
Dibromomethane	03	74-95-3	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
Dichlorodifluoromethane	03	75-71-8	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
Di-isopropyl ether (DIPE)	03	108-20-3	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
Ethylbenzene	03	100-41-4	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
Hexachlorobutadiene	03	87-68-3	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
Iodomethane	03	74-88-4	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		10.5	10.5	1	ug/kg dry	TLH
Isopropylbenzene	03	98-82-8	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
m+p-Xylenes	03	179601-23-1	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
Methylene chloride	03	75-09-2	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
Methyl-t-butyl ether (MTBE)	03	1634-04-4	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-55** **Laboratory Sample ID:** **23L0912-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	03	91-20-3	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
n-Butylbenzene	03	104-51-8	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
n-Propylbenzene	03	103-65-1	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
o-Xylene	03	95-47-6	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
sec-Butylbenzene	03	135-98-8	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
Styrene	03	100-42-5	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
tert-Butylbenzene	03	98-06-6	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
Tetrachloroethylene (PCE)	03	127-18-4	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
Toluene	03	108-88-3	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
trans-1,2-Dichloroethylene	03	156-60-5	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
trans-1,3-Dichloropropene	03	10061-02-6	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
Trichloroethylene	03	79-01-6	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
Trichlorofluoromethane	03	75-69-4	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
Vinyl acetate	03	108-05-4	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	10.5	1	ug/kg dry	TLH
Vinyl chloride	03	75-01-4	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		5.23	5.23	1	ug/kg dry	TLH
Xylenes, Total	03	1330-20-7	SW8260D	12/18/2023 13:16	12/18/2023 13:16	BLOD		15.7	15.7	1	ug/kg dry	TLH
Surr: 1,2-Dichloroethane-d4 (Surr)	*03*		*111 %*	*80-120*	*12/18/2023 13:16*	*12/18/2023 13:16*						
Surr: 4-Bromofluorobenzene (Surr)	*03*		*95.5 %*	*85-120*	*12/18/2023 13:16*	*12/18/2023 13:16*						
Surr: Dibromofluoromethane (Surr)	*03*		*110 %*	*80-130*	*12/18/2023 13:16*	*12/18/2023 13:16*						
Surr: Toluene-d8 (Surr)	*03*		*101 %*	*85-115*	*12/18/2023 13:16*	*12/18/2023 13:16*						

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Client Sample ID: **SC-55** **Laboratory Sample ID:** **23L0912-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	03	123-91-1	SW8270E SIM	12/18/2023 15:30	12/19/2023 22:48	BLOD		3.81	3.81	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*03*	*85.5 %*	*35-100*	*12/18/2023 15:30*	*12/19/2023 22:48*							
1,2,4,5-Tetrachlorobenzene	03	95-94-3	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
1,2,4-Trichlorobenzene	03	120-82-1	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
1,2-Dichlorobenzene	03	95-50-1	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
1,2-Diphenylhydrazine	03	122-66-7	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
1,3-Dichlorobenzene	03	541-73-1	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
1,3-Dinitrobenzene	03	99-65-0	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
1,4-Dichlorobenzene	03	106-46-7	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
1-Chloronaphthalene	03	90-13-1	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
1-Naphthylamine	03	134-32-7	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
2,3,4,6-Tetrachlorophenol	03	58-90-2	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
2,4,5-Trichlorophenol	03	95-95-4	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
2,4,6-Trichlorophenol	03	88-06-2	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
2,4-Dichlorophenol	03	120-83-2	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
2,4-Dimethylphenol	03	105-67-9	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
2,4-Dinitrophenol	03	51-28-5	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
2,4-Dinitrotoluene	03	121-14-2	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
2,6-Dichlorophenol	03	87-65-0	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
2,6-Dinitrotoluene	03	606-20-2	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
2-Chloronaphthalene	03	91-58-7	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
2-Chlorophenol	03	95-57-8	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
2-Methylnaphthalene	03	91-57-6	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	03	91-59-8	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
2-Nitroaniline	03	88-74-4	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
2-Nitrophenol	03	88-75-5	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
3,3'-Dichlorobenzidine	03	91-94-1	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
3-Methylcholanthrene	03	56-49-5	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
3-Nitroaniline	03	99-09-2	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
4,6-Dinitro-2-methylphenol	03	534-52-1	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
4-Aminobiphenyl	03	92-67-1	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
4-Bromophenyl phenyl ether	03	101-55-3	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
4-Chloroaniline	03	106-47-8	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
4-Chlorophenyl phenyl ether	03	7005-72-3	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
4-Nitroaniline	03	100-01-6	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
4-Nitrophenol	03	100-02-7	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
7,12-Dimethylbenz (a) anthracene	03	57-97-6	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Acenaphthene	03	83-32-9	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Acenaphthylene	03	208-96-8	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Acetophenone	03	98-86-2	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Aniline	03	62-53-3	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Anthracene	03	120-12-7	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Benzidine	03	92-87-5	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Benzo (a) anthracene	03	56-55-3	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Benzo (a) pyrene	03	50-32-8	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Benzo (b) fluoranthene	03	205-99-2	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Benzo (g,h,i) perylene	03	191-24-2	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	03	207-08-9	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Benzoic acid	03	65-85-0	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Benzyl alcohol	03	100-51-6	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
bis (2-Chloroethoxy) methane	03	111-91-1	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
bis (2-Chloroethyl) ether	03	111-44-4	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
2,2'-Oxybis (1-chloropropane)	03	108-60-1	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
bis (2-Ethylhexyl) phthalate	03	117-81-7	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Butyl benzyl phthalate	03	85-68-7	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Chrysene	03	218-01-9	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Dibenz (a,h) anthracene	03	53-70-3	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Dibenz (a,j) acridine	03	224-42-0	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Dibenzofuran	03	132-64-9	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Diethyl phthalate	03	84-66-2	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Dimethyl phthalate	03	131-11-3	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Di-n-butyl phthalate	03	84-74-2	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Di-n-octyl phthalate	03	117-84-0	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Diphenylamine	03	122-39-4	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Ethyl methanesulfonate	03	62-50-0	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Fluoranthene	03	206-44-0	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Fluorene	03	86-73-7	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Hexachlorobenzene	03	118-74-1	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Hexachlorobutadiene	03	87-68-3	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Hexachlorocyclopentadiene	03	77-47-4	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Hexachloroethane	03	67-72-1	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR

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Client Sample ID: **SC-55** **Laboratory Sample ID:** **23L0912-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	03	193-39-5	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Isophorone	03	78-59-1	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
m+p-Cresols	03	1319-77-3	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Methyl methanesulfonate	03	66-27-3	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Naphthalene	03	91-20-3	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Nitrobenzene	03	98-95-3	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
n-Nitrosodimethylamine	03	62-75-9	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD	C	381	381	4	ug/kg dry	ZDR
n-Nitrosodi-n-butylamine	03	924-16-3	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
n-Nitrosodi-n-propylamine	03	621-64-7	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
n-Nitrosodiphenylamine	03	86-30-6	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
n-Nitrosopiperidine	03	100-75-4	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
o+m+p-Cresols	03	1319-77-3	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
o-Cresol	03	95-48-7	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
p-(Dimethylamino) azobenzene	03	60-11-7	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
p-Chloro-m-cresol	03	59-50-7	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Pentachloronitrobenzene (quintozene)	03	82-68-8	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Pentachlorophenol	03	87-86-5	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Phenacetin	03	62-44-2	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Phenanthrene	03	85-01-8	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Phenol	03	108-95-2	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Pronamide	03	23950-58-5	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Pyrene	03	129-00-0	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Pyridine	03	110-86-1	SW8270E	12/18/2023 15:30	12/29/2023 00:37	BLOD		381	381	4	ug/kg dry	ZDR
Surr: 2,4,6-Tribromophenol (Surr)	*03*	*45.8 %*	*15-96*	*12/18/2023 15:30*	*12/29/2023 00:37*							

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Client Sample ID: **SC-55** **Laboratory Sample ID:** **23L0912-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*03*		*50.6 %*	*19-105*	*12/18/2023 15:30*	*12/29/2023 00:37*						
Surr: 2-Fluorophenol (Surr)	*03*		*13.3 %*	*12-95*	*12/18/2023 15:30*	*12/29/2023 00:37*						
Surr: Nitrobenzene-d5 (Surr)	*03*		*50.2 %*	*21-100*	*12/18/2023 15:30*	*12/29/2023 00:37*						
Surr: Phenol-d5 (Surr)	*03*		*51.6 %*	*13-100*	*12/18/2023 15:30*	*12/29/2023 00:37*						
Surr: p-Terphenyl-d14 (Surr)	*03*		*48.6 %*	*25-125*	*12/18/2023 15:30*	*12/29/2023 00:37*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	03	14808-79-8	SW9056A	12/15/2023 09:00	12/15/2023 09:00	BLOD		2.92	11.7	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	03	7664-41-7	EPA350.1 R2.0	12/28/2023 16:07	12/28/2023 16:07	BLOD		11.5	11.5	1	mg/kg dry	LAM
Chromium, Hexavalent	03	18540-29-9	SW7199	12/27/2023 09:00	12/28/2023 13:29	0.37		0.23	0.23	1	mg/kg dry	MGC
Nitrate as N	03	14797-55-8	SW9056A	12/15/2023 09:00	12/15/2023 09:00	BLOD		1.17	2.34	1	mg/kg dry	ATG
Percent Solids	03	NA	SM2540G-2011	12/20/2023 16:17	12/20/2023 16:17	85.6		0.10	0.10	1	%	LAM

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Client Sample ID: **SC-50** **Laboratory Sample ID:** **23L0912-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	04	7440-22-4	SW6020B	12/15/2023 10:45	12/18/2023 13:50	34.9		2.76	2.76	1	ug/kg dry	MDW
Arsenic	04	7440-38-2	SW6020B	12/15/2023 10:45	12/18/2023 13:50	2360		55.2	55.2	1	ug/kg dry	MDW
Barium	04RE1	7440-39-3	SW6020B	12/15/2023 10:45	12/18/2023 12:54	66600		55200	55200	100	ug/kg dry	MDW
Beryllium	04	7440-41-7	SW6020B	12/15/2023 10:45	12/18/2023 13:50	476		55.2	55.2	1	ug/kg dry	MDW
Cadmium	04	7440-43-9	SW6020B	12/15/2023 10:45	12/18/2023 13:50	56.6		55.2	55.2	1	ug/kg dry	MDW
Cobalt	04RE1	7440-48-4	SW6020B	12/15/2023 10:45	12/18/2023 12:54	26600		5520	5520	100	ug/kg dry	MDW
Chromium	04RE1	7440-47-3	SW6020B	12/15/2023 10:45	12/18/2023 12:54	62500		5520	5520	100	ug/kg dry	MDW
Copper	04RE1	7440-50-8	SW6020B	12/15/2023 10:45	12/18/2023 12:54	36100		5520	5520	100	ug/kg dry	MDW
Mercury	04	7439-97-6	SW7471B	12/19/2023 10:15	12/19/2023 13:22	0.055		0.009	0.009	1	mg/kg dry	SGT
Manganese	04RE1	7439-96-5	SW6020B	12/15/2023 10:45	12/18/2023 12:54	1110000		5520	5520	100	ug/kg dry	MDW
Nickel	04	7440-02-0	SW6020B	12/15/2023 10:45	12/18/2023 13:50	12800		55.2	55.2	1	ug/kg dry	MDW
Lead	04RE1	7439-92-1	SW6020B	12/15/2023 10:45	12/18/2023 12:54	75100		5520	5520	100	ug/kg dry	MDW
Antimony	04	7440-36-0	SW6020B	12/15/2023 10:45	12/18/2023 13:50	580		55.2	55.2	1	ug/kg dry	MDW
Selenium	04	7782-49-2	SW6020B	12/15/2023 10:45	12/18/2023 13:50	1160		55.2	55.2	1	ug/kg dry	MDW
Thallium	04	7440-28-0	SW6020B	12/15/2023 10:45	12/18/2023 13:50	122		55.2	55.2	1	ug/kg dry	MDW
Vanadium	04RE1	7440-62-2	SW6020B	12/15/2023 10:45	12/18/2023 12:54	91200		27600	27600	100	ug/kg dry	MDW
Zinc	04RE1	7440-66-6	SW6020B	12/15/2023 10:45	12/18/2023 12:54	64500		27600	27600	100	ug/kg dry	MDW
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	04	630-20-6	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
1,1,1-Trichloroethane	04	71-55-6	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
1,1,2,2-Tetrachloroethane	04	79-34-5	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
1,1,2-Trichloroethane	04	79-00-5	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
1,1-Dichloroethane	04	75-34-3	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
1,1-Dichloroethylene	04	75-35-4	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH

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Client Sample ID: **SC-50** **Laboratory Sample ID:** **23L0912-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	04	563-58-6	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
1,2,3-Trichlorobenzene	04	87-61-6	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
1,2,3-Trichloropropane	04	96-18-4	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
1,2,4-Trichlorobenzene	04	120-82-1	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
1,2,4-Trimethylbenzene	04	95-63-6	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
1,2-Dibromo-3-chloropropane (DBCP)	04	96-12-8	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
1,2-Dibromoethane (EDB)	04	106-93-4	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
1,2-Dichlorobenzene	04	95-50-1	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
1,2-Dichloroethane	04	107-06-2	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
1,2-Dichloropropane	04	78-87-5	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
1,3,5-Trimethylbenzene	04	108-67-8	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
1,3-Dichlorobenzene	04	541-73-1	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
1,3-Dichloropropane	04	142-28-9	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
1,4-Dichlorobenzene	04	106-46-7	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
2,2-Dichloropropane	04	594-20-7	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
2-Butanone (MEK)	04	78-93-3	SW8260D	12/18/2023 13:40	12/18/2023 13:40	15.1		5.29	5.29	1	ug/kg dry	TLH
2-Chlorotoluene	04	95-49-8	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
2-Hexanone (MBK)	04	591-78-6	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
4-Chlorotoluene	04	106-43-4	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
4-Isopropyltoluene	04	99-87-6	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
4-Methyl-2-pentanone (MIBK)	04	108-10-1	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
Acetone	04	67-64-1	SW8260D	12/18/2023 13:40	12/18/2023 13:40	301		10.6	10.6	1	ug/kg dry	TLH
Benzene	04	71-43-2	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
Bromobenzene	04	108-86-1	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH

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Client Sample ID: **SC-50** **Laboratory Sample ID:** **23L0912-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	04	74-97-5	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
Bromodichloromethane	04	75-27-4	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
Bromoform	04	75-25-2	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD	C	5.29	5.29	1	ug/kg dry	TLH
Bromomethane	04	74-83-9	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
Carbon disulfide	04	75-15-0	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
Carbon tetrachloride	04	56-23-5	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
Chlorobenzene	04	108-90-7	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
Chloroethane	04	75-00-3	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
Chloroform	04	67-66-3	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
Chloromethane	04	74-87-3	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
cis-1,2-Dichloroethylene	04	156-59-2	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
cis-1,3-Dichloropropene	04	10061-01-5	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
Dibromochloromethane	04	124-48-1	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
Dibromomethane	04	74-95-3	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
Dichlorodifluoromethane	04	75-71-8	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
Di-isopropyl ether (DIPE)	04	108-20-3	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
Ethylbenzene	04	100-41-4	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
Hexachlorobutadiene	04	87-68-3	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
Iodomethane	04	74-88-4	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		10.6	10.6	1	ug/kg dry	TLH
Isopropylbenzene	04	98-82-8	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
m+p-Xylenes	04	179601-23-1	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
Methylene chloride	04	75-09-2	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
Methyl-t-butyl ether (MTBE)	04	1634-04-4	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-50** **Laboratory Sample ID:** **23L0912-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	04	91-20-3	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
n-Butylbenzene	04	104-51-8	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
n-Propylbenzene	04	103-65-1	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
o-Xylene	04	95-47-6	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
sec-Butylbenzene	04	135-98-8	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
Styrene	04	100-42-5	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
tert-Butylbenzene	04	98-06-6	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
Tetrachloroethylene (PCE)	04	127-18-4	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
Toluene	04	108-88-3	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
trans-1,2-Dichloroethylene	04	156-60-5	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
trans-1,3-Dichloropropene	04	10061-02-6	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
Trichloroethylene	04	79-01-6	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
Trichlorofluoromethane	04	75-69-4	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
Vinyl acetate	04	108-05-4	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	10.6	1	ug/kg dry	TLH
Vinyl chloride	04	75-01-4	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		5.29	5.29	1	ug/kg dry	TLH
Xylenes, Total	04	1330-20-7	SW8260D	12/18/2023 13:40	12/18/2023 13:40	BLOD		15.9	15.9	1	ug/kg dry	TLH
Surr: 1,2-Dichloroethane-d4 (Surr)	*04*		*110 %*	*80-120*	*12/18/2023 13:40*	*12/18/2023 13:40*						
Surr: 4-Bromofluorobenzene (Surr)	*04*		*90.5 %*	*85-120*	*12/18/2023 13:40*	*12/18/2023 13:40*						
Surr: Dibromofluoromethane (Surr)	*04*		*108 %*	*80-130*	*12/18/2023 13:40*	*12/18/2023 13:40*						
Surr: Toluene-d8 (Surr)	*04*		*102 %*	*85-115*	*12/18/2023 13:40*	*12/18/2023 13:40*						

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-50** **Laboratory Sample ID:** **23L0912-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	04	123-91-1	SW8270E SIM	12/18/2023 15:30	12/19/2023 23:15	BLOD		3.90	3.90	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*04*	*78.3 %*	*35-100*	*12/18/2023 15:30*	*12/19/2023 23:15*							
1,2,4,5-Tetrachlorobenzene	04	95-94-3	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
1,2,4-Trichlorobenzene	04	120-82-1	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
1,2-Dichlorobenzene	04	95-50-1	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
1,2-Diphenylhydrazine	04	122-66-7	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
1,3-Dichlorobenzene	04	541-73-1	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
1,3-Dinitrobenzene	04	99-65-0	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
1,4-Dichlorobenzene	04	106-46-7	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
1-Chloronaphthalene	04	90-13-1	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
1-Naphthylamine	04	134-32-7	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
2,3,4,6-Tetrachlorophenol	04	58-90-2	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
2,4,5-Trichlorophenol	04	95-95-4	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
2,4,6-Trichlorophenol	04	88-06-2	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
2,4-Dichlorophenol	04	120-83-2	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
2,4-Dimethylphenol	04	105-67-9	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
2,4-Dinitrophenol	04	51-28-5	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
2,4-Dinitrotoluene	04	121-14-2	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
2,6-Dichlorophenol	04	87-65-0	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
2,6-Dinitrotoluene	04	606-20-2	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
2-Chloronaphthalene	04	91-58-7	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
2-Chlorophenol	04	95-57-8	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
2-Methylnaphthalene	04	91-57-6	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-50 **Laboratory Sample ID:** 23L0912-04

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	04	91-59-8	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
2-Nitroaniline	04	88-74-4	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
2-Nitrophenol	04	88-75-5	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
3,3'-Dichlorobenzidine	04	91-94-1	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
3-Methylcholanthrene	04	56-49-5	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
3-Nitroaniline	04	99-09-2	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
4,6-Dinitro-2-methylphenol	04	534-52-1	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
4-Aminobiphenyl	04	92-67-1	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
4-Bromophenyl phenyl ether	04	101-55-3	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
4-Chloroaniline	04	106-47-8	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
4-Chlorophenyl phenyl ether	04	7005-72-3	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
4-Nitroaniline	04	100-01-6	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
4-Nitrophenol	04	100-02-7	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
7,12-Dimethylbenz (a) anthracene	04	57-97-6	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Acenaphthene	04	83-32-9	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Acenaphthylene	04	208-96-8	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Acetophenone	04	98-86-2	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Aniline	04	62-53-3	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Anthracene	04	120-12-7	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Benzidine	04	92-87-5	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Benzo (a) anthracene	04	56-55-3	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Benzo (a) pyrene	04	50-32-8	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Benzo (b) fluoranthene	04	205-99-2	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Benzo (g,h,i) perylene	04	191-24-2	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR

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Client Sample ID: **SC-50** **Laboratory Sample ID:** **23L0912-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	04	207-08-9	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Benzoic acid	04	65-85-0	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Benzyl alcohol	04	100-51-6	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
bis (2-Chloroethoxy) methane	04	111-91-1	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
bis (2-Chloroethyl) ether	04	111-44-4	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
2,2'-Oxybis (1-chloropropane)	04	108-60-1	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
bis (2-Ethylhexyl) phthalate	04	117-81-7	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Butyl benzyl phthalate	04	85-68-7	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Chrysene	04	218-01-9	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Dibenz (a,h) anthracene	04	53-70-3	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Dibenz (a,j) acridine	04	224-42-0	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Dibenzofuran	04	132-64-9	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Diethyl phthalate	04	84-66-2	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Dimethyl phthalate	04	131-11-3	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Di-n-butyl phthalate	04	84-74-2	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Di-n-octyl phthalate	04	117-84-0	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Diphenylamine	04	122-39-4	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Ethyl methanesulfonate	04	62-50-0	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Fluoranthene	04	206-44-0	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Fluorene	04	86-73-7	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Hexachlorobenzene	04	118-74-1	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Hexachlorobutadiene	04	87-68-3	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Hexachlorocyclopentadiene	04	77-47-4	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Hexachloroethane	04	67-72-1	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR

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Client Sample ID: **SC-50** **Laboratory Sample ID:** **23L0912-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	04	193-39-5	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Isophorone	04	78-59-1	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
m+p-Cresols	04	1319-77-3	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Methyl methanesulfonate	04	66-27-3	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Naphthalene	04	91-20-3	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Nitrobenzene	04	98-95-3	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
n-Nitrosodimethylamine	04	62-75-9	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD	C	976	976	10	ug/kg dry	ZDR
n-Nitrosodi-n-butylamine	04	924-16-3	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
n-Nitrosodi-n-propylamine	04	621-64-7	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
n-Nitrosodiphenylamine	04	86-30-6	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
n-Nitrosopiperidine	04	100-75-4	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
o+m+p-Cresols	04	1319-77-3	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
o-Cresol	04	95-48-7	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
p-(Dimethylamino) azobenzene	04	60-11-7	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
p-Chloro-m-cresol	04	59-50-7	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Pentachloronitrobenzene (quintozene)	04	82-68-8	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Pentachlorophenol	04	87-86-5	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Phenacetin	04	62-44-2	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Phenanthrene	04	85-01-8	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Phenol	04	108-95-2	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Pronamide	04	23950-58-5	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Pyrene	04	129-00-0	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Pyridine	04	110-86-1	SW8270E	12/18/2023 15:30	12/29/2023 01:36	BLOD		976	976	10	ug/kg dry	ZDR
Surr: 2,4,6-Tribromophenol (Surr)	*04*	*31.7 %*	*15-96*	*12/18/2023 15:30*	*12/29/2023 01:36*							

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-50** **Laboratory Sample ID:** **23L0912-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*04*		*45.4 %*	*19-105*	*12/18/2023 15:30*	*12/29/2023 01:36*						
Surr: 2-Fluorophenol (Surr)	*04*		*43.5 %*	*12-95*	*12/18/2023 15:30*	*12/29/2023 01:36*						
Surr: Nitrobenzene-d5 (Surr)	*04*		*34.4 %*	*21-100*	*12/18/2023 15:30*	*12/29/2023 01:36*						
Surr: Phenol-d5 (Surr)	*04*		*40.8 %*	*13-100*	*12/18/2023 15:30*	*12/29/2023 01:36*						
Surr: p-Terphenyl-d14 (Surr)	*04*		*38.8 %*	*25-125*	*12/18/2023 15:30*	*12/29/2023 01:36*						

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Client Sample ID: **SC-50** **Laboratory Sample ID:** **23L0912-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	04	14808-79-8	SW9056A	12/15/2023 09:00	12/15/2023 09:00	10.3	J	3.01	12.0	1	mg/kg dry	ATG

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Client Sample ID: **SC-50** **Laboratory Sample ID:** **23L0912-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	04	7664-41-7	EPA350.1 R2.0	12/28/2023 16:07	12/28/2023 16:07	BLOD		11.7	11.7	1	mg/kg dry	LAM
Chromium, Hexavalent	04	18540-29-9	SW7199	12/27/2023 09:00	12/28/2023 13:56	0.42		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	04	14797-55-8	SW9056A	12/15/2023 09:00	12/15/2023 09:00	BLOD		1.20	2.41	1	mg/kg dry	ATG
Percent Solids	04	NA	SM2540G-2011	12/21/2023 15:30	12/21/2023 15:30	83.1		0.10	0.10	1	%	KJM

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Client Sample ID: **SC-56** **Laboratory Sample ID:** **23L0912-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	05	7440-22-4	SW6020B	12/15/2023 10:45	12/18/2023 13:53	21.3		3.05	3.05	1	ug/kg dry	MDW
Arsenic	05	7440-38-2	SW6020B	12/15/2023 10:45	12/18/2023 13:53	2980		61.1	61.1	1	ug/kg dry	MDW
Barium	05RE1	7440-39-3	SW6020B	12/15/2023 10:45	12/18/2023 12:57	88700		61100	61100	100	ug/kg dry	MDW
Beryllium	05	7440-41-7	SW6020B	12/15/2023 10:45	12/18/2023 13:53	552		61.1	61.1	1	ug/kg dry	MDW
Cadmium	05	7440-43-9	SW6020B	12/15/2023 10:45	12/18/2023 13:53	114		61.1	61.1	1	ug/kg dry	MDW
Cobalt	05	7440-48-4	SW6020B	12/15/2023 10:45	12/18/2023 13:53	19400		61.1	61.1	1	ug/kg dry	MDW
Chromium	05RE1	7440-47-3	SW6020B	12/15/2023 10:45	12/18/2023 12:57	112000		6110	6110	100	ug/kg dry	MDW
Copper	05RE1	7440-50-8	SW6020B	12/15/2023 10:45	12/18/2023 12:57	60100		6110	6110	100	ug/kg dry	MDW
Mercury	05	7439-97-6	SW7471B	12/19/2023 10:15	12/19/2023 13:24	0.048		0.010	0.010	1	mg/kg dry	SGT
Manganese	05RE1	7439-96-5	SW6020B	12/15/2023 10:45	12/18/2023 12:57	484000		6110	6110	100	ug/kg dry	MDW
Nickel	05RE1	7440-02-0	SW6020B	12/15/2023 10:45	12/18/2023 12:57	38900		6110	6110	100	ug/kg dry	MDW
Lead	05RE1	7439-92-1	SW6020B	12/15/2023 10:45	12/18/2023 12:57	40100		6110	6110	100	ug/kg dry	MDW
Antimony	05	7440-36-0	SW6020B	12/15/2023 10:45	12/18/2023 13:53	236		61.1	61.1	1	ug/kg dry	MDW
Selenium	05	7782-49-2	SW6020B	12/15/2023 10:45	12/18/2023 13:53	1900		61.1	61.1	1	ug/kg dry	MDW
Thallium	05	7440-28-0	SW6020B	12/15/2023 10:45	12/18/2023 13:53	79.3		61.1	61.1	1	ug/kg dry	MDW
Vanadium	05RE1	7440-62-2	SW6020B	12/15/2023 10:45	12/18/2023 12:57	120000		30500	30500	100	ug/kg dry	MDW
Zinc	05RE1	7440-66-6	SW6020B	12/15/2023 10:45	12/18/2023 12:57	74600		30500	30500	100	ug/kg dry	MDW
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	05	630-20-6	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
1,1,1-Trichloroethane	05	71-55-6	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
1,1,2,2-Tetrachloroethane	05	79-34-5	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
1,1,2-Trichloroethane	05	79-00-5	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
1,1-Dichloroethane	05	75-34-3	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
1,1-Dichloroethylene	05	75-35-4	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-56** **Laboratory Sample ID:** **23L0912-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	05	563-58-6	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
1,2,3-Trichlorobenzene	05	87-61-6	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
1,2,3-Trichloropropane	05	96-18-4	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
1,2,4-Trichlorobenzene	05	120-82-1	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
1,2,4-Trimethylbenzene	05	95-63-6	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
1,2-Dibromo-3-chloropropane (DBCP)	05	96-12-8	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
1,2-Dibromoethane (EDB)	05	106-93-4	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
1,2-Dichlorobenzene	05	95-50-1	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
1,2-Dichloroethane	05	107-06-2	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
1,2-Dichloropropane	05	78-87-5	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
1,3,5-Trimethylbenzene	05	108-67-8	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
1,3-Dichlorobenzene	05	541-73-1	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
1,3-Dichloropropane	05	142-28-9	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
1,4-Dichlorobenzene	05	106-46-7	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
2,2-Dichloropropane	05	594-20-7	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
2-Butanone (MEK)	05	78-93-3	SW8260D	12/18/2023 14:03	12/18/2023 14:03	11.0		6.09	6.09	1	ug/kg dry	TLH
2-Chlorotoluene	05	95-49-8	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
2-Hexanone (MBK)	05	591-78-6	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
4-Chlorotoluene	05	106-43-4	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
4-Isopropyltoluene	05	99-87-6	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
4-Methyl-2-pentanone (MIBK)	05	108-10-1	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
Acetone	05	67-64-1	SW8260D	12/18/2023 14:03	12/18/2023 14:03	257		12.2	12.2	1	ug/kg dry	TLH
Benzene	05	71-43-2	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
Bromobenzene	05	108-86-1	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH

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Client Sample ID: **SC-56** **Laboratory Sample ID:** **23L0912-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	05	74-97-5	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
Bromodichloromethane	05	75-27-4	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
Bromoform	05	75-25-2	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD	C	6.09	6.09	1	ug/kg dry	TLH
Bromomethane	05	74-83-9	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
Carbon disulfide	05	75-15-0	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
Carbon tetrachloride	05	56-23-5	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
Chlorobenzene	05	108-90-7	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
Chloroethane	05	75-00-3	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
Chloroform	05	67-66-3	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
Chloromethane	05	74-87-3	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
cis-1,2-Dichloroethylene	05	156-59-2	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
cis-1,3-Dichloropropene	05	10061-01-5	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
Dibromochloromethane	05	124-48-1	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
Dibromomethane	05	74-95-3	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
Dichlorodifluoromethane	05	75-71-8	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
Di-isopropyl ether (DIPE)	05	108-20-3	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
Ethylbenzene	05	100-41-4	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
Hexachlorobutadiene	05	87-68-3	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
Iodomethane	05	74-88-4	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		12.2	12.2	1	ug/kg dry	TLH
Isopropylbenzene	05	98-82-8	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
m+p-Xylenes	05	179601-23-1	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
Methylene chloride	05	75-09-2	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
Methyl-t-butyl ether (MTBE)	05	1634-04-4	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH

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Client Sample ID: **SC-56** **Laboratory Sample ID:** **23L0912-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	05	91-20-3	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
n-Butylbenzene	05	104-51-8	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
n-Propylbenzene	05	103-65-1	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
o-Xylene	05	95-47-6	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
sec-Butylbenzene	05	135-98-8	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
Styrene	05	100-42-5	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
tert-Butylbenzene	05	98-06-6	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
Tetrachloroethylene (PCE)	05	127-18-4	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
Toluene	05	108-88-3	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
trans-1,2-Dichloroethylene	05	156-60-5	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
trans-1,3-Dichloropropene	05	10061-02-6	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
Trichloroethylene	05	79-01-6	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
Trichlorofluoromethane	05	75-69-4	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
Vinyl acetate	05	108-05-4	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	12.2	1	ug/kg dry	TLH
Vinyl chloride	05	75-01-4	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		6.09	6.09	1	ug/kg dry	TLH
Xylenes, Total	05	1330-20-7	SW8260D	12/18/2023 14:03	12/18/2023 14:03	BLOD		18.3	18.3	1	ug/kg dry	TLH
Surr: 1,2-Dichloroethane-d4 (Surr)	*05*		*112 %*	*80-120*	*12/18/2023 14:03*	*12/18/2023 14:03*						
Surr: 4-Bromofluorobenzene (Surr)	*05*		*93.9 %*	*85-120*	*12/18/2023 14:03*	*12/18/2023 14:03*						
Surr: Dibromofluoromethane (Surr)	*05*		*109 %*	*80-130*	*12/18/2023 14:03*	*12/18/2023 14:03*						
Surr: Toluene-d8 (Surr)	*05*		*101 %*	*85-115*	*12/18/2023 14:03*	*12/18/2023 14:03*						

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Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-56** **Laboratory Sample ID:** **23L0912-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	05	123-91-1	SW8270E SIM	12/18/2023 15:30	12/19/2023 23:42	BLOD		4.15	4.15	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*05*	*82.1 %*	*35-100*	*12/18/2023 15:30*	*12/19/2023 23:42*							
1,2,4,5-Tetrachlorobenzene	05	95-94-3	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
1,2,4-Trichlorobenzene	05	120-82-1	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
1,2-Dichlorobenzene	05	95-50-1	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
1,2-Diphenylhydrazine	05	122-66-7	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
1,3-Dichlorobenzene	05	541-73-1	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
1,3-Dinitrobenzene	05	99-65-0	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
1,4-Dichlorobenzene	05	106-46-7	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
1-Chloronaphthalene	05	90-13-1	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
1-Naphthylamine	05	134-32-7	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	05	58-90-2	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
2,4,5-Trichlorophenol	05	95-95-4	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
2,4,6-Trichlorophenol	05	88-06-2	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
2,4-Dichlorophenol	05	120-83-2	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
2,4-Dimethylphenol	05	105-67-9	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
2,4-Dinitrophenol	05	51-28-5	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
2,4-Dinitrotoluene	05	121-14-2	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
2,6-Dichlorophenol	05	87-65-0	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
2,6-Dinitrotoluene	05	606-20-2	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
2-Chloronaphthalene	05	91-58-7	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
2-Chlorophenol	05	95-57-8	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
2-Methylnaphthalene	05	91-57-6	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-56** **Laboratory Sample ID:** **23L0912-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	05	91-59-8	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
2-Nitroaniline	05	88-74-4	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
2-Nitrophenol	05	88-75-5	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
3,3'-Dichlorobenzidine	05	91-94-1	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
3-Methylcholanthrene	05	56-49-5	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
3-Nitroaniline	05	99-09-2	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	05	534-52-1	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
4-Aminobiphenyl	05	92-67-1	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
4-Bromophenyl phenyl ether	05	101-55-3	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
4-Chloroaniline	05	106-47-8	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	05	7005-72-3	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
4-Nitroaniline	05	100-01-6	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
4-Nitrophenol	05	100-02-7	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	05	57-97-6	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Acenaphthene	05	83-32-9	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Acenaphthylene	05	208-96-8	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Acetophenone	05	98-86-2	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Aniline	05	62-53-3	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Anthracene	05	120-12-7	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Benzidine	05	92-87-5	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Benzo (a) anthracene	05	56-55-3	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Benzo (a) pyrene	05	50-32-8	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Benzo (b) fluoranthene	05	205-99-2	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Benzo (g,h,i) perylene	05	191-24-2	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS

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Client Sample ID: **SC-56** **Laboratory Sample ID:** **23L0912-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	05	207-08-9	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Benzoic acid	05	65-85-0	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Benzyl alcohol	05	100-51-6	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	05	111-91-1	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
bis (2-Chloroethyl) ether	05	111-44-4	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	05	108-60-1	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	05	117-81-7	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Butyl benzyl phthalate	05	85-68-7	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Chrysene	05	218-01-9	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Dibenz (a,h) anthracene	05	53-70-3	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD	C	104	104	1	ug/kg dry	BMS
Dibenz (a,j) acridine	05	224-42-0	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD	C	104	104	1	ug/kg dry	BMS
Dibenzofuran	05	132-64-9	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Diethyl phthalate	05	84-66-2	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Dimethyl phthalate	05	131-11-3	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Di-n-butyl phthalate	05	84-74-2	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Di-n-octyl phthalate	05	117-84-0	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Diphenylamine	05	122-39-4	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Ethyl methanesulfonate	05	62-50-0	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Fluoranthene	05	206-44-0	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Fluorene	05	86-73-7	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Hexachlorobenzene	05	118-74-1	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD	C	104	104	1	ug/kg dry	BMS
Hexachlorobutadiene	05	87-68-3	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Hexachlorocyclopentadiene	05	77-47-4	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD	C	104	104	1	ug/kg dry	BMS
Hexachloroethane	05	67-72-1	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS

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Client Sample ID: **SC-56** **Laboratory Sample ID:** **23L0912-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	05	193-39-5	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD	C	104	104	1	ug/kg dry	BMS
Isophorone	05	78-59-1	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
m+p-Cresols	05	1319-77-3	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Methyl methanesulfonate	05	66-27-3	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Naphthalene	05	91-20-3	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Nitrobenzene	05	98-95-3	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
n-Nitrosodimethylamine	05	62-75-9	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD	C	104	104	1	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	05	924-16-3	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	05	621-64-7	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
n-Nitrosodiphenylamine	05	86-30-6	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
n-Nitrosopiperidine	05	100-75-4	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
o+m+p-Cresols	05	1319-77-3	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
o-Cresol	05	95-48-7	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	05	60-11-7	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
p-Chloro-m-cresol	05	59-50-7	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	05	82-68-8	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Pentachlorophenol	05	87-86-5	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD	C	104	104	1	ug/kg dry	BMS
Phenacetin	05	62-44-2	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Phenanthrene	05	85-01-8	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Phenol	05	108-95-2	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Pronamide	05	23950-58-5	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Pyrene	05	129-00-0	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD		104	104	1	ug/kg dry	BMS
Pyridine	05	110-86-1	SW8270E	12/18/2023 15:30	12/19/2023 22:45	BLOD	C	104	104	1	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*05*	*49.7 %*	*15-96*	*12/18/2023 15:30*	*12/19/2023 22:45*							

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*05*		*73.2 %*	*19-105*	*12/18/2023 15:30*	*12/19/2023 22:45*						
Surr: 2-Fluorophenol (Surr)	*05*		*46.3 %*	*12-95*	*12/18/2023 15:30*	*12/19/2023 22:45*						
Surr: Nitrobenzene-d5 (Surr)	*05*		*72.4 %*	*21-100*	*12/18/2023 15:30*	*12/19/2023 22:45*						
Surr: Phenol-d5 (Surr)	*05*		*62.8 %*	*13-100*	*12/18/2023 15:30*	*12/19/2023 22:45*						
Surr: p-Terphenyl-d14 (Surr)	*05*		*77.2 %*	*25-125*	*12/18/2023 15:30*	*12/19/2023 22:45*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	05	14808-79-8	SW9056A	12/15/2023 09:00	12/15/2023 09:00	8.07	J	3.14	12.5	1	mg/kg dry	ATG

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Wet Chemistry Analysis												
Ammonia as N	05	7664-41-7	EPA350.1 R2.0	12/28/2023 16:07	12/28/2023 16:07	BLOD		11.7	11.7	1	mg/kg dry	LAM
Chromium, Hexavalent	05	18540-29-9	SW7199	12/27/2023 09:00	12/28/2023 14:22	0.49		0.25	0.25	1	mg/kg dry	MGC
Nitrate as N	05	14797-55-8	SW9056A	12/15/2023 09:00	12/15/2023 09:00	BLOD		1.25	2.51	1	mg/kg dry	ATG
Percent Solids	05	NA	SM2540G-2011	12/21/2023 15:30	12/21/2023 15:30	79.7		0.10	0.10	1	%	KJM

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Client Sample ID: **SC-47** **Laboratory Sample ID:** **23L0912-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	06	7440-22-4	SW6020B	12/15/2023 10:45	12/18/2023 13:56	9.48		2.81	2.81	1	ug/kg dry	MDW
Arsenic	06	7440-38-2	SW6020B	12/15/2023 10:45	12/18/2023 13:56	1410		56.2	56.2	1	ug/kg dry	MDW
Barium	06RE1	7440-39-3	SW6020B	12/15/2023 10:45	12/18/2023 13:00	160000		56200	56200	100	ug/kg dry	MDW
Beryllium	06	7440-41-7	SW6020B	12/15/2023 10:45	12/18/2023 13:56	715		56.2	56.2	1	ug/kg dry	MDW
Cadmium	06	7440-43-9	SW6020B	12/15/2023 10:45	12/18/2023 13:56	BLOD		56.2	56.2	1	ug/kg dry	MDW
Cobalt	06	7440-48-4	SW6020B	12/15/2023 10:45	12/18/2023 13:56	10000		56.2	56.2	1	ug/kg dry	MDW
Chromium	06RE1	7440-47-3	SW6020B	12/15/2023 10:45	12/18/2023 13:00	28400		5620	5620	100	ug/kg dry	MDW
Copper	06RE1	7440-50-8	SW6020B	12/15/2023 10:45	12/18/2023 13:00	28000		5620	5620	100	ug/kg dry	MDW
Mercury	06	7439-97-6	SW7471B	12/19/2023 10:15	12/19/2023 13:27	BLOD		0.009	0.009	1	mg/kg dry	SGT
Manganese	06RE1	7439-96-5	SW6020B	12/15/2023 10:45	12/18/2023 13:00	302000		5620	5620	100	ug/kg dry	MDW
Nickel	06	7440-02-0	SW6020B	12/15/2023 10:45	12/18/2023 13:56	13900		56.2	56.2	1	ug/kg dry	MDW
Lead	06	7439-92-1	SW6020B	12/15/2023 10:45	12/18/2023 13:56	3900		56.2	56.2	1	ug/kg dry	MDW
Antimony	06	7440-36-0	SW6020B	12/15/2023 10:45	12/18/2023 13:56	BLOD		56.2	56.2	1	ug/kg dry	MDW
Selenium	06	7782-49-2	SW6020B	12/15/2023 10:45	12/18/2023 13:56	1380		56.2	56.2	1	ug/kg dry	MDW
Thallium	06	7440-28-0	SW6020B	12/15/2023 10:45	12/18/2023 13:56	101		56.2	56.2	1	ug/kg dry	MDW
Vanadium	06RE1	7440-62-2	SW6020B	12/15/2023 10:45	12/18/2023 13:00	61900		28100	28100	100	ug/kg dry	MDW
Zinc	06RE1	7440-66-6	SW6020B	12/15/2023 10:45	12/18/2023 13:00	41200		28100	28100	100	ug/kg dry	MDW
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	06	630-20-6	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
1,1,1-Trichloroethane	06	71-55-6	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
1,1,2,2-Tetrachloroethane	06	79-34-5	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
1,1,2-Trichloroethane	06	79-00-5	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
1,1-Dichloroethane	06	75-34-3	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
1,1-Dichloroethylene	06	75-35-4	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-47** **Laboratory Sample ID:** **23L0912-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	06	563-58-6	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
1,2,3-Trichlorobenzene	06	87-61-6	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
1,2,3-Trichloropropane	06	96-18-4	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
1,2,4-Trichlorobenzene	06	120-82-1	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
1,2,4-Trimethylbenzene	06	95-63-6	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
1,2-Dibromo-3-chloropropane (DBCP)	06	96-12-8	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
1,2-Dibromoethane (EDB)	06	106-93-4	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
1,2-Dichlorobenzene	06	95-50-1	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
1,2-Dichloroethane	06	107-06-2	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
1,2-Dichloropropane	06	78-87-5	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
1,3,5-Trimethylbenzene	06	108-67-8	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
1,3-Dichlorobenzene	06	541-73-1	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
1,3-Dichloropropane	06	142-28-9	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
1,4-Dichlorobenzene	06	106-46-7	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
2,2-Dichloropropane	06	594-20-7	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
2-Butanone (MEK)	06	78-93-3	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
2-Chlorotoluene	06	95-49-8	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
2-Hexanone (MBK)	06	591-78-6	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
4-Chlorotoluene	06	106-43-4	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
4-Isopropyltoluene	06	99-87-6	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
4-Methyl-2-pentanone (MIBK)	06	108-10-1	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
Acetone	06	67-64-1	SW8260D	12/18/2023 14:26	12/18/2023 14:26	52.4		9.11	10.0	1	ug/kg dry	TLH
Benzene	06	71-43-2	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
Bromobenzene	06	108-86-1	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH

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Client Sample ID: SC-47 **Laboratory Sample ID:** 23L0912-06

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	06	74-97-5	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
Bromodichloromethane	06	75-27-4	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
Bromoform	06	75-25-2	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD	C	4.55	5.00	1	ug/kg dry	TLH
Bromomethane	06	74-83-9	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
Carbon disulfide	06	75-15-0	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
Carbon tetrachloride	06	56-23-5	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
Chlorobenzene	06	108-90-7	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
Chloroethane	06	75-00-3	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
Chloroform	06	67-66-3	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
Chloromethane	06	74-87-3	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
cis-1,2-Dichloroethylene	06	156-59-2	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
cis-1,3-Dichloropropene	06	10061-01-5	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
Dibromochloromethane	06	124-48-1	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
Dibromomethane	06	74-95-3	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
Dichlorodifluoromethane	06	75-71-8	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
Di-isopropyl ether (DIPE)	06	108-20-3	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
Ethylbenzene	06	100-41-4	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
Hexachlorobutadiene	06	87-68-3	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
Iodomethane	06	74-88-4	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		9.11	10.0	1	ug/kg dry	TLH
Isopropylbenzene	06	98-82-8	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
m+p-Xylenes	06	179601-23-1	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
Methylene chloride	06	75-09-2	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
Methyl-t-butyl ether (MTBE)	06	1634-04-4	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH

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Client Sample ID: **SC-47** **Laboratory Sample ID:** **23L0912-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	06	91-20-3	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
n-Butylbenzene	06	104-51-8	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
n-Propylbenzene	06	103-65-1	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
o-Xylene	06	95-47-6	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
sec-Butylbenzene	06	135-98-8	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
Styrene	06	100-42-5	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
tert-Butylbenzene	06	98-06-6	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
Tetrachloroethylene (PCE)	06	127-18-4	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
Toluene	06	108-88-3	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
trans-1,2-Dichloroethylene	06	156-60-5	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
trans-1,3-Dichloropropene	06	10061-02-6	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
Trichloroethylene	06	79-01-6	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
Trichlorofluoromethane	06	75-69-4	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
Vinyl acetate	06	108-05-4	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	10.0	1	ug/kg dry	TLH
Vinyl chloride	06	75-01-4	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		4.55	5.00	1	ug/kg dry	TLH
Xylenes, Total	06	1330-20-7	SW8260D	12/18/2023 14:26	12/18/2023 14:26	BLOD		13.7	15.0	1	ug/kg dry	TLH
Surr: 1,2-Dichloroethane-d4 (Surr)	*06*		*111 %*	*80-120*	*12/18/2023 14:26*	*12/18/2023 14:26*						
Surr: 4-Bromofluorobenzene (Surr)	*06*		*96.6 %*	*85-120*	*12/18/2023 14:26*	*12/18/2023 14:26*						
Surr: Dibromofluoromethane (Surr)	*06*		*109 %*	*80-130*	*12/18/2023 14:26*	*12/18/2023 14:26*						
Surr: Toluene-d8 (Surr)	*06*		*102 %*	*85-115*	*12/18/2023 14:26*	*12/18/2023 14:26*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	06	123-91-1	SW8270E SIM	12/18/2023 15:30	12/21/2023 17:15	BLOD		3.75	3.75	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*06*	*64.9 %*	*35-100*	*12/18/2023 15:30*	*12/21/2023 17:15*							
1,2,4,5-Tetrachlorobenzene	06	95-94-3	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
1,2,4-Trichlorobenzene	06	120-82-1	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
1,2-Dichlorobenzene	06	95-50-1	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
1,2-Diphenylhydrazine	06	122-66-7	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
1,3-Dichlorobenzene	06	541-73-1	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
1,3-Dinitrobenzene	06	99-65-0	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
1,4-Dichlorobenzene	06	106-46-7	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
1-Chloronaphthalene	06	90-13-1	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
1-Naphthylamine	06	134-32-7	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	06	58-90-2	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
2,4,5-Trichlorophenol	06	95-95-4	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
2,4,6-Trichlorophenol	06	88-06-2	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
2,4-Dichlorophenol	06	120-83-2	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
2,4-Dimethylphenol	06	105-67-9	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
2,4-Dinitrophenol	06	51-28-5	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
2,4-Dinitrotoluene	06	121-14-2	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
2,6-Dichlorophenol	06	87-65-0	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
2,6-Dinitrotoluene	06	606-20-2	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
2-Chloronaphthalene	06	91-58-7	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
2-Chlorophenol	06	95-57-8	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
2-Methylnaphthalene	06	91-57-6	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	06	91-59-8	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
2-Nitroaniline	06	88-74-4	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
2-Nitrophenol	06	88-75-5	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
3,3'-Dichlorobenzidine	06	91-94-1	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
3-Methylcholanthrene	06	56-49-5	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
3-Nitroaniline	06	99-09-2	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	06	534-52-1	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
4-Aminobiphenyl	06	92-67-1	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
4-Bromophenyl phenyl ether	06	101-55-3	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
4-Chloroaniline	06	106-47-8	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	06	7005-72-3	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
4-Nitroaniline	06	100-01-6	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
4-Nitrophenol	06	100-02-7	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	06	57-97-6	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Acenaphthene	06	83-32-9	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Acenaphthylene	06	208-96-8	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Acetophenone	06	98-86-2	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Aniline	06	62-53-3	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Anthracene	06	120-12-7	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Benzidine	06	92-87-5	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Benzo (a) anthracene	06	56-55-3	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Benzo (a) pyrene	06	50-32-8	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Benzo (b) fluoranthene	06	205-99-2	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Benzo (g,h,i) perylene	06	191-24-2	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-47 **Laboratory Sample ID:** 23L0912-06

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	06	207-08-9	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Benzoic acid	06	65-85-0	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Benzyl alcohol	06	100-51-6	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	06	111-91-1	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
bis (2-Chloroethyl) ether	06	111-44-4	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	06	108-60-1	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	06	117-81-7	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Butyl benzyl phthalate	06	85-68-7	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Chrysene	06	218-01-9	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Dibenz (a,h) anthracene	06	53-70-3	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD	C	93.9	93.9	1	ug/kg dry	BMS
Dibenz (a,j) acridine	06	224-42-0	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD	C	93.9	93.9	1	ug/kg dry	BMS
Dibenzofuran	06	132-64-9	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Diethyl phthalate	06	84-66-2	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Dimethyl phthalate	06	131-11-3	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Di-n-butyl phthalate	06	84-74-2	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Di-n-octyl phthalate	06	117-84-0	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Diphenylamine	06	122-39-4	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Ethyl methanesulfonate	06	62-50-0	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Fluoranthene	06	206-44-0	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Fluorene	06	86-73-7	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Hexachlorobenzene	06	118-74-1	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD	C	93.9	93.9	1	ug/kg dry	BMS
Hexachlorobutadiene	06	87-68-3	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Hexachlorocyclopentadiene	06	77-47-4	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD	C	93.9	93.9	1	ug/kg dry	BMS
Hexachloroethane	06	67-72-1	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-47** **Laboratory Sample ID:** **23L0912-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	06	193-39-5	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD	C	93.9	93.9	1	ug/kg dry	BMS
Isophorone	06	78-59-1	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
m+p-Cresols	06	1319-77-3	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Methyl methanesulfonate	06	66-27-3	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Naphthalene	06	91-20-3	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Nitrobenzene	06	98-95-3	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
n-Nitrosodimethylamine	06	62-75-9	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD	C	93.9	93.9	1	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	06	924-16-3	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	06	621-64-7	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
n-Nitrosodiphenylamine	06	86-30-6	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
n-Nitrosopiperidine	06	100-75-4	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
o+m+p-Cresols	06	1319-77-3	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
o-Cresol	06	95-48-7	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	06	60-11-7	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
p-Chloro-m-cresol	06	59-50-7	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	06	82-68-8	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Pentachlorophenol	06	87-86-5	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD	C	93.9	93.9	1	ug/kg dry	BMS
Phenacetin	06	62-44-2	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Phenanthrene	06	85-01-8	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Phenol	06	108-95-2	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Pronamide	06	23950-58-5	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Pyrene	06	129-00-0	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD		93.9	93.9	1	ug/kg dry	BMS
Pyridine	06	110-86-1	SW8270E	12/18/2023 15:30	12/19/2023 23:21	BLOD	C	93.9	93.9	1	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*06*	*47.4 %*	*15-96*	*12/18/2023 15:30*	*12/19/2023 23:21*							

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Client Sample ID: **SC-47** **Laboratory Sample ID:** **23L0912-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*06*		*72.1 %*	*19-105*	*12/18/2023 15:30*	*12/19/2023 23:21*						
Surr: 2-Fluorophenol (Surr)	*06*		*70.2 %*	*12-95*	*12/18/2023 15:30*	*12/19/2023 23:21*						
Surr: Nitrobenzene-d5 (Surr)	*06*		*68.8 %*	*21-100*	*12/18/2023 15:30*	*12/19/2023 23:21*						
Surr: Phenol-d5 (Surr)	*06*		*63.5 %*	*13-100*	*12/18/2023 15:30*	*12/19/2023 23:21*						
Surr: p-Terphenyl-d14 (Surr)	*06*		*76.1 %*	*25-125*	*12/18/2023 15:30*	*12/19/2023 23:21*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	06	14808-79-8	SW9056A	12/15/2023 09:00	12/15/2023 09:00	4.54	J	2.86	11.5	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	06	7664-41-7	EPA350.1 R2.0	12/28/2023 16:07	12/28/2023 16:07	BLOD		11.4	11.4	1	mg/kg dry	LAM
Chromium, Hexavalent	06	18540-29-9	SW7199	12/27/2023 09:00	12/28/2023 14:49	BLOD		0.23	0.23	1	mg/kg dry	MGC
Nitrate as N	06	14797-55-8	SW9056A	12/15/2023 09:00	12/15/2023 09:00	BLOD		1.15	2.29	1	mg/kg dry	ATG
Percent Solids	06	NA	SM2540G-2011	12/21/2023 15:30	12/21/2023 15:30	87.3		0.10	0.10	1	%	KJM

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Client Sample ID: **SC-48** **Laboratory Sample ID:** **23L0912-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	07	7440-22-4	SW6020B	12/15/2023 10:45	12/18/2023 13:59	19.8		2.89	2.89	1	ug/kg dry	MDW
Arsenic	07	7440-38-2	SW6020B	12/15/2023 10:45	12/18/2023 13:59	1650		57.9	57.9	1	ug/kg dry	MDW
Barium	07RE1	7440-39-3	SW6020B	12/15/2023 10:45	12/18/2023 13:03	226000		57900	57900	100	ug/kg dry	MDW
Beryllium	07	7440-41-7	SW6020B	12/15/2023 10:45	12/18/2023 13:59	713		57.9	57.9	1	ug/kg dry	MDW
Cadmium	07	7440-43-9	SW6020B	12/15/2023 10:45	12/18/2023 13:59	58.7		57.9	57.9	1	ug/kg dry	MDW
Cobalt	07	7440-48-4	SW6020B	12/15/2023 10:45	12/18/2023 13:59	16700		57.9	57.9	1	ug/kg dry	MDW
Chromium	07RE1	7440-47-3	SW6020B	12/15/2023 10:45	12/18/2023 13:03	28700		5790	5790	100	ug/kg dry	MDW
Copper	07RE1	7440-50-8	SW6020B	12/15/2023 10:45	12/18/2023 13:03	72300		5790	5790	100	ug/kg dry	MDW
Mercury	07	7439-97-6	SW7471B	12/19/2023 10:15	12/19/2023 13:29	BLOD		0.009	0.009	1	mg/kg dry	SGT
Manganese	07RE1	7439-96-5	SW6020B	12/15/2023 10:45	12/18/2023 13:03	489000		5790	5790	100	ug/kg dry	MDW
Nickel	07	7440-02-0	SW6020B	12/15/2023 10:45	12/18/2023 13:59	19800		57.9	57.9	1	ug/kg dry	MDW
Lead	07	7439-92-1	SW6020B	12/15/2023 10:45	12/18/2023 13:59	3490		57.9	57.9	1	ug/kg dry	MDW
Antimony	07	7440-36-0	SW6020B	12/15/2023 10:45	12/18/2023 13:59	BLOD		57.9	57.9	1	ug/kg dry	MDW
Selenium	07	7782-49-2	SW6020B	12/15/2023 10:45	12/18/2023 13:59	1840		57.9	57.9	1	ug/kg dry	MDW
Thallium	07	7440-28-0	SW6020B	12/15/2023 10:45	12/18/2023 13:59	106		57.9	57.9	1	ug/kg dry	MDW
Vanadium	07RE1	7440-62-2	SW6020B	12/15/2023 10:45	12/18/2023 13:03	115000		28900	28900	100	ug/kg dry	MDW
Zinc	07RE1	7440-66-6	SW6020B	12/15/2023 10:45	12/18/2023 13:03	60300		28900	28900	100	ug/kg dry	MDW
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	07	630-20-6	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,1,1-Trichloroethane	07	71-55-6	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,1,2,2-Tetrachloroethane	07	79-34-5	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,1,2-Trichloroethane	07	79-00-5	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,1-Dichloroethane	07	75-34-3	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,1-Dichloroethylene	07	75-35-4	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH

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Client Sample ID: **SC-48** **Laboratory Sample ID:** **23L0912-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	07	563-58-6	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,2,3-Trichlorobenzene	07	87-61-6	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,2,3-Trichloropropane	07	96-18-4	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,2,4-Trichlorobenzene	07	120-82-1	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,2,4-Trimethylbenzene	07	95-63-6	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,2-Dibromo-3-chloropropane (DBCP)	07	96-12-8	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,2-Dibromoethane (EDB)	07	106-93-4	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,2-Dichlorobenzene	07	95-50-1	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,2-Dichloroethane	07	107-06-2	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,2-Dichloropropane	07	78-87-5	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,3,5-Trimethylbenzene	07	108-67-8	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,3-Dichlorobenzene	07	541-73-1	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,3-Dichloropropane	07	142-28-9	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,4-Dichlorobenzene	07	106-46-7	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
2,2-Dichloropropane	07	594-20-7	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
2-Butanone (MEK)	07	78-93-3	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
2-Chlorotoluene	07	95-49-8	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
2-Hexanone (MBK)	07	591-78-6	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
4-Chlorotoluene	07	106-43-4	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
4-Isopropyltoluene	07	99-87-6	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
4-Methyl-2-pentanone (MIBK)	07	108-10-1	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
Acetone	07	67-64-1	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		10.7	10.7	1	ug/kg dry	TLH
Benzene	07	71-43-2	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
Bromobenzene	07	108-86-1	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-48** **Laboratory Sample ID:** **23L0912-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	07	74-97-5	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
Bromodichloromethane	07	75-27-4	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
Bromoform	07	75-25-2	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD	C	5.37	5.37	1	ug/kg dry	TLH
Bromomethane	07	74-83-9	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
Carbon disulfide	07	75-15-0	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
Carbon tetrachloride	07	56-23-5	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
Chlorobenzene	07	108-90-7	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
Chloroethane	07	75-00-3	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
Chloroform	07	67-66-3	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
Chloromethane	07	74-87-3	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
cis-1,2-Dichloroethylene	07	156-59-2	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
cis-1,3-Dichloropropene	07	10061-01-5	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
Dibromochloromethane	07	124-48-1	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
Dibromomethane	07	74-95-3	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
Dichlorodifluoromethane	07	75-71-8	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
Di-isopropyl ether (DIPE)	07	108-20-3	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
Ethylbenzene	07	100-41-4	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
Hexachlorobutadiene	07	87-68-3	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
Iodomethane	07	74-88-4	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		10.7	10.7	1	ug/kg dry	TLH
Isopropylbenzene	07	98-82-8	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
m+p-Xylenes	07	179601-23-1	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
Methylene chloride	07	75-09-2	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
Methyl-t-butyl ether (MTBE)	07	1634-04-4	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	07	91-20-3	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
n-Butylbenzene	07	104-51-8	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
n-Propylbenzene	07	103-65-1	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
o-Xylene	07	95-47-6	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
sec-Butylbenzene	07	135-98-8	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
Styrene	07	100-42-5	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
tert-Butylbenzene	07	98-06-6	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
Tetrachloroethylene (PCE)	07	127-18-4	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
Toluene	07	108-88-3	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
trans-1,2-Dichloroethylene	07	156-60-5	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
trans-1,3-Dichloropropene	07	10061-02-6	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
Trichloroethylene	07	79-01-6	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
Trichlorofluoromethane	07	75-69-4	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
Vinyl acetate	07	108-05-4	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	10.7	1	ug/kg dry	TLH
Vinyl chloride	07	75-01-4	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		5.37	5.37	1	ug/kg dry	TLH
Xylenes, Total	07	1330-20-7	SW8260D	12/18/2023 14:50	12/18/2023 14:50	BLOD		16.1	16.1	1	ug/kg dry	TLH
Surr: 1,2-Dichloroethane-d4 (Surr)	*07*		*111 %*	*80-120*	*12/18/2023 14:50*	*12/18/2023 14:50*						
Surr: 4-Bromofluorobenzene (Surr)	*07*		*96.9 %*	*85-120*	*12/18/2023 14:50*	*12/18/2023 14:50*						
Surr: Dibromofluoromethane (Surr)	*07*		*109 %*	*80-130*	*12/18/2023 14:50*	*12/18/2023 14:50*						
Surr: Toluene-d8 (Surr)	*07*		*103 %*	*85-115*	*12/18/2023 14:50*	*12/18/2023 14:50*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	07	123-91-1	SW8270E SIM	12/18/2023 15:30	12/20/2023 00:34	BLOD		3.75	3.75	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*07*	*74.2 %*	*35-100*	*12/18/2023 15:30*	*12/20/2023 00:34*							
1,2,4,5-Tetrachlorobenzene	07	95-94-3	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
1,2,4-Trichlorobenzene	07	120-82-1	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
1,2-Dichlorobenzene	07	95-50-1	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
1,2-Diphenylhydrazine	07	122-66-7	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
1,3-Dichlorobenzene	07	541-73-1	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
1,3-Dinitrobenzene	07	99-65-0	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
1,4-Dichlorobenzene	07	106-46-7	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
1-Chloronaphthalene	07	90-13-1	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
1-Naphthylamine	07	134-32-7	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	07	58-90-2	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
2,4,5-Trichlorophenol	07	95-95-4	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
2,4,6-Trichlorophenol	07	88-06-2	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
2,4-Dichlorophenol	07	120-83-2	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
2,4-Dimethylphenol	07	105-67-9	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
2,4-Dinitrophenol	07	51-28-5	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
2,4-Dinitrotoluene	07	121-14-2	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
2,6-Dichlorophenol	07	87-65-0	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
2,6-Dinitrotoluene	07	606-20-2	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
2-Chloronaphthalene	07	91-58-7	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
2-Chlorophenol	07	95-57-8	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
2-Methylnaphthalene	07	91-57-6	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS

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Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	07	91-59-8	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
2-Nitroaniline	07	88-74-4	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
2-Nitrophenol	07	88-75-5	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
3,3'-Dichlorobenzidine	07	91-94-1	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
3-Methylcholanthrene	07	56-49-5	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
3-Nitroaniline	07	99-09-2	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	07	534-52-1	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
4-Aminobiphenyl	07	92-67-1	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
4-Bromophenyl phenyl ether	07	101-55-3	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
4-Chloroaniline	07	106-47-8	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	07	7005-72-3	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
4-Nitroaniline	07	100-01-6	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
4-Nitrophenol	07	100-02-7	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	07	57-97-6	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Acenaphthene	07	83-32-9	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Acenaphthylene	07	208-96-8	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Acetophenone	07	98-86-2	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Aniline	07	62-53-3	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Anthracene	07	120-12-7	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Benzidine	07	92-87-5	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Benzo (a) anthracene	07	56-55-3	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Benzo (a) pyrene	07	50-32-8	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Benzo (b) fluoranthene	07	205-99-2	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Benzo (g,h,i) perylene	07	191-24-2	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	07	207-08-9	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Benzoic acid	07	65-85-0	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Benzyl alcohol	07	100-51-6	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	07	111-91-1	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
bis (2-Chloroethyl) ether	07	111-44-4	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	07	108-60-1	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	07	117-81-7	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Butyl benzyl phthalate	07	85-68-7	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Chrysene	07	218-01-9	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Dibenz (a,h) anthracene	07	53-70-3	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD	C	93.8	93.8	1	ug/kg dry	BMS
Dibenz (a,j) acridine	07	224-42-0	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD	C	93.8	93.8	1	ug/kg dry	BMS
Dibenzofuran	07	132-64-9	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Diethyl phthalate	07	84-66-2	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Dimethyl phthalate	07	131-11-3	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Di-n-butyl phthalate	07	84-74-2	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Di-n-octyl phthalate	07	117-84-0	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Diphenylamine	07	122-39-4	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Ethyl methanesulfonate	07	62-50-0	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Fluoranthene	07	206-44-0	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Fluorene	07	86-73-7	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Hexachlorobenzene	07	118-74-1	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD	C	93.8	93.8	1	ug/kg dry	BMS
Hexachlorobutadiene	07	87-68-3	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Hexachlorocyclopentadiene	07	77-47-4	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD	C	93.8	93.8	1	ug/kg dry	BMS
Hexachloroethane	07	67-72-1	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-48** **Laboratory Sample ID:** **23L0912-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	07	193-39-5	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD	C	93.8	93.8	1	ug/kg dry	BMS
Isophorone	07	78-59-1	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
m+p-Cresols	07	1319-77-3	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Methyl methanesulfonate	07	66-27-3	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Naphthalene	07	91-20-3	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Nitrobenzene	07	98-95-3	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
n-Nitrosodimethylamine	07	62-75-9	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD	C	93.8	93.8	1	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	07	924-16-3	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	07	621-64-7	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
n-Nitrosodiphenylamine	07	86-30-6	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
n-Nitrosopiperidine	07	100-75-4	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
o+m+p-Cresols	07	1319-77-3	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
o-Cresol	07	95-48-7	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	07	60-11-7	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
p-Chloro-m-cresol	07	59-50-7	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	07	82-68-8	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Pentachlorophenol	07	87-86-5	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD	C	93.8	93.8	1	ug/kg dry	BMS
Phenacetin	07	62-44-2	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Phenanthrene	07	85-01-8	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Phenol	07	108-95-2	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Pronamide	07	23950-58-5	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Pyrene	07	129-00-0	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD		93.8	93.8	1	ug/kg dry	BMS
Pyridine	07	110-86-1	SW8270E	12/18/2023 15:30	12/19/2023 23:57	BLOD	C	93.8	93.8	1	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*07*	*46.0 %*	*15-96*	*12/18/2023 15:30*	*12/19/2023 23:57*							

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Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*07*		*69.4 %*	*19-105*	*12/18/2023 15:30*	*12/19/2023 23:57*						
Surr: 2-Fluorophenol (Surr)	*07*		*47.6 %*	*12-95*	*12/18/2023 15:30*	*12/19/2023 23:57*						
Surr: Nitrobenzene-d5 (Surr)	*07*		*68.5 %*	*21-100*	*12/18/2023 15:30*	*12/19/2023 23:57*						
Surr: Phenol-d5 (Surr)	*07*		*63.1 %*	*13-100*	*12/18/2023 15:30*	*12/19/2023 23:57*						
Surr: p-Terphenyl-d14 (Surr)	*07*		*70.8 %*	*25-125*	*12/18/2023 15:30*	*12/19/2023 23:57*						

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Ion Chromatography Analyses												
Sulfate	07	14808-79-8	SW9056A	12/15/2023 09:00	12/15/2023 09:00	BLOD		2.91	11.6	1	mg/kg dry	ATG

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Wet Chemistry Analysis												
Ammonia as N	07	7664-41-7	EPA350.1 R2.0	12/28/2023 16:07	12/28/2023 16:07	BLOD		10.9	10.9	1	mg/kg dry	LAM
Chromium, Hexavalent	07	18540-29-9	SW7199	12/27/2023 09:00	12/28/2023 17:02	BLOD		0.23	0.23	1	mg/kg dry	MGC
Nitrate as N	07	14797-55-8	SW9056A	12/15/2023 09:00	12/15/2023 09:00	BLOD		1.16	2.33	1	mg/kg dry	ATG
Percent Solids	07	NA	SM2540G-2011	12/21/2023 15:30	12/21/2023 15:30	85.9		0.10	0.10	1	%	KJM

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Client Sample ID: **SC-49** **Laboratory Sample ID:** **23L0912-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	08	7440-22-4	SW6020B	12/15/2023 10:45	12/18/2023 14:08	88.5		2.87	2.87	1	ug/kg dry	MDW
Arsenic	08	7440-38-2	SW6020B	12/15/2023 10:45	12/18/2023 14:08	2800		57.3	57.3	1	ug/kg dry	MDW
Barium	08RE1	7440-39-3	SW6020B	12/15/2023 10:45	12/18/2023 13:12	94700		57300	57300	100	ug/kg dry	MDW
Beryllium	08	7440-41-7	SW6020B	12/15/2023 10:45	12/18/2023 14:08	643		57.3	57.3	1	ug/kg dry	MDW
Cadmium	08	7440-43-9	SW6020B	12/15/2023 10:45	12/18/2023 14:08	129		57.3	57.3	1	ug/kg dry	MDW
Cobalt	08	7440-48-4	SW6020B	12/15/2023 10:45	12/18/2023 14:08	19500		57.3	57.3	1	ug/kg dry	MDW
Chromium	08RE1	7440-47-3	SW6020B	12/15/2023 10:45	12/18/2023 13:12	58100		5730	5730	100	ug/kg dry	MDW
Copper	08RE1	7440-50-8	SW6020B	12/15/2023 10:45	12/18/2023 13:12	65200		5730	5730	100	ug/kg dry	MDW
Mercury	08	7439-97-6	SW7471B	12/19/2023 10:15	12/19/2023 13:31	0.053		0.009	0.009	1	mg/kg dry	SGT
Manganese	08RE1	7439-96-5	SW6020B	12/15/2023 10:45	12/18/2023 13:12	637000		5730	5730	100	ug/kg dry	MDW
Nickel	08	7440-02-0	SW6020B	12/15/2023 10:45	12/18/2023 14:08	17400		57.3	57.3	1	ug/kg dry	MDW
Lead	08RE1	7439-92-1	SW6020B	12/15/2023 10:45	12/18/2023 13:12	48600		5730	5730	100	ug/kg dry	MDW
Antimony	08	7440-36-0	SW6020B	12/15/2023 10:45	12/18/2023 14:08	151		57.3	57.3	1	ug/kg dry	MDW
Selenium	08	7782-49-2	SW6020B	12/15/2023 10:45	12/18/2023 14:08	1720		57.3	57.3	1	ug/kg dry	MDW
Thallium	08	7440-28-0	SW6020B	12/15/2023 10:45	12/18/2023 14:08	115		57.3	57.3	1	ug/kg dry	MDW
Vanadium	08RE1	7440-62-2	SW6020B	12/15/2023 10:45	12/18/2023 13:12	103000		28700	28700	100	ug/kg dry	MDW
Zinc	08RE1	7440-66-6	SW6020B	12/15/2023 10:45	12/18/2023 13:12	79400		28700	28700	100	ug/kg dry	MDW
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	08	630-20-6	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
1,1,1-Trichloroethane	08	71-55-6	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
1,1,2,2-Tetrachloroethane	08	79-34-5	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
1,1,2-Trichloroethane	08	79-00-5	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
1,1-Dichloroethane	08	75-34-3	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
1,1-Dichloroethylene	08	75-35-4	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH

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Client Sample ID: **SC-49** **Laboratory Sample ID:** **23L0912-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	08	563-58-6	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
1,2,3-Trichlorobenzene	08	87-61-6	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
1,2,3-Trichloropropane	08	96-18-4	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
1,2,4-Trichlorobenzene	08	120-82-1	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
1,2,4-Trimethylbenzene	08	95-63-6	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
1,2-Dibromo-3-chloropropane (DBCP)	08	96-12-8	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
1,2-Dibromoethane (EDB)	08	106-93-4	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
1,2-Dichlorobenzene	08	95-50-1	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
1,2-Dichloroethane	08	107-06-2	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
1,2-Dichloropropane	08	78-87-5	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
1,3,5-Trimethylbenzene	08	108-67-8	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
1,3-Dichlorobenzene	08	541-73-1	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
1,3-Dichloropropane	08	142-28-9	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
1,4-Dichlorobenzene	08	106-46-7	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
2,2-Dichloropropane	08	594-20-7	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
2-Butanone (MEK)	08	78-93-3	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
2-Chlorotoluene	08	95-49-8	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
2-Hexanone (MBK)	08	591-78-6	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
4-Chlorotoluene	08	106-43-4	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
4-Isopropyltoluene	08	99-87-6	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
4-Methyl-2-pentanone (MIBK)	08	108-10-1	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
Acetone	08	67-64-1	SW8260D	12/18/2023 15:13	12/18/2023 15:13	138		9.60	10.0	1	ug/kg dry	TLH
Benzene	08	71-43-2	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
Bromobenzene	08	108-86-1	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	08	74-97-5	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
Bromodichloromethane	08	75-27-4	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
Bromoform	08	75-25-2	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD	C	4.80	5.00	1	ug/kg dry	TLH
Bromomethane	08	74-83-9	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
Carbon disulfide	08	75-15-0	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
Carbon tetrachloride	08	56-23-5	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
Chlorobenzene	08	108-90-7	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
Chloroethane	08	75-00-3	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
Chloroform	08	67-66-3	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
Chloromethane	08	74-87-3	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
cis-1,2-Dichloroethylene	08	156-59-2	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
cis-1,3-Dichloropropene	08	10061-01-5	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
Dibromochloromethane	08	124-48-1	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
Dibromomethane	08	74-95-3	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
Dichlorodifluoromethane	08	75-71-8	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
Di-isopropyl ether (DIPE)	08	108-20-3	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
Ethylbenzene	08	100-41-4	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
Hexachlorobutadiene	08	87-68-3	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
Iodomethane	08	74-88-4	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		9.60	10.0	1	ug/kg dry	TLH
Isopropylbenzene	08	98-82-8	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
m+p-Xylenes	08	179601-23-1	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
Methylene chloride	08	75-09-2	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
Methyl-t-butyl ether (MTBE)	08	1634-04-4	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-49** **Laboratory Sample ID:** **23L0912-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	08	91-20-3	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
n-Butylbenzene	08	104-51-8	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
n-Propylbenzene	08	103-65-1	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
o-Xylene	08	95-47-6	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
sec-Butylbenzene	08	135-98-8	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
Styrene	08	100-42-5	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
tert-Butylbenzene	08	98-06-6	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
Tetrachloroethylene (PCE)	08	127-18-4	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
Toluene	08	108-88-3	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
trans-1,2-Dichloroethylene	08	156-60-5	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
trans-1,3-Dichloropropene	08	10061-02-6	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
Trichloroethylene	08	79-01-6	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
Trichlorofluoromethane	08	75-69-4	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
Vinyl acetate	08	108-05-4	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	10.0	1	ug/kg dry	TLH
Vinyl chloride	08	75-01-4	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		4.80	5.00	1	ug/kg dry	TLH
Xylenes, Total	08	1330-20-7	SW8260D	12/18/2023 15:13	12/18/2023 15:13	BLOD		14.4	15.0	1	ug/kg dry	TLH
Surr: 1,2-Dichloroethane-d4 (Surr)	*08*		*117 %*	*80-120*	*12/18/2023 15:13*	*12/18/2023 15:13*						
Surr: 4-Bromofluorobenzene (Surr)	*08*		*97.3 %*	*85-120*	*12/18/2023 15:13*	*12/18/2023 15:13*						
Surr: Dibromofluoromethane (Surr)	*08*		*110 %*	*80-130*	*12/18/2023 15:13*	*12/18/2023 15:13*						
Surr: Toluene-d8 (Surr)	*08*		*103 %*	*85-115*	*12/18/2023 15:13*	*12/18/2023 15:13*						

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-49** **Laboratory Sample ID:** **23L0912-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	08	123-91-1	SW8270E SIM	12/18/2023 15:30	12/20/2023 01:00	BLOD		3.95	3.95	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*08*	*83.0 %*	*35-100*	*12/18/2023 15:30*	*12/20/2023 01:00*							
1,2,4,5-Tetrachlorobenzene	08	95-94-3	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
1,2,4-Trichlorobenzene	08	120-82-1	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
1,2-Dichlorobenzene	08	95-50-1	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
1,2-Diphenylhydrazine	08	122-66-7	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
1,3-Dichlorobenzene	08	541-73-1	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
1,3-Dinitrobenzene	08	99-65-0	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
1,4-Dichlorobenzene	08	106-46-7	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
1-Chloronaphthalene	08	90-13-1	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
1-Naphthylamine	08	134-32-7	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	08	58-90-2	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
2,4,5-Trichlorophenol	08	95-95-4	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
2,4,6-Trichlorophenol	08	88-06-2	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
2,4-Dichlorophenol	08	120-83-2	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
2,4-Dimethylphenol	08	105-67-9	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
2,4-Dinitrophenol	08	51-28-5	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
2,4-Dinitrotoluene	08	121-14-2	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
2,6-Dichlorophenol	08	87-65-0	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
2,6-Dinitrotoluene	08	606-20-2	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
2-Chloronaphthalene	08	91-58-7	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
2-Chlorophenol	08	95-57-8	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
2-Methylnaphthalene	08	91-57-6	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS

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Client Sample ID: **SC-49** **Laboratory Sample ID:** **23L0912-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	08	91-59-8	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
2-Nitroaniline	08	88-74-4	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
2-Nitrophenol	08	88-75-5	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
3,3'-Dichlorobenzidine	08	91-94-1	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
3-Methylcholanthrene	08	56-49-5	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
3-Nitroaniline	08	99-09-2	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	08	534-52-1	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
4-Aminobiphenyl	08	92-67-1	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
4-Bromophenyl phenyl ether	08	101-55-3	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
4-Chloroaniline	08	106-47-8	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	08	7005-72-3	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
4-Nitroaniline	08	100-01-6	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
4-Nitrophenol	08	100-02-7	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	08	57-97-6	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Acenaphthene	08	83-32-9	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Acenaphthylene	08	208-96-8	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Acetophenone	08	98-86-2	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Aniline	08	62-53-3	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Anthracene	08	120-12-7	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Benzidine	08	92-87-5	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Benzo (a) anthracene	08	56-55-3	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Benzo (a) pyrene	08	50-32-8	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Benzo (b) fluoranthene	08	205-99-2	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Benzo (g,h,i) perylene	08	191-24-2	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS

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Client Sample ID: **SC-49** **Laboratory Sample ID:** **23L0912-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	08	207-08-9	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Benzoic acid	08	65-85-0	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Benzyl alcohol	08	100-51-6	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	08	111-91-1	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
bis (2-Chloroethyl) ether	08	111-44-4	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	08	108-60-1	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	08	117-81-7	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Butyl benzyl phthalate	08	85-68-7	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Chrysene	08	218-01-9	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Dibenz (a,h) anthracene	08	53-70-3	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD	C	98.7	98.7	1	ug/kg dry	BMS
Dibenz (a,j) acridine	08	224-42-0	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD	C	98.7	98.7	1	ug/kg dry	BMS
Dibenzofuran	08	132-64-9	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Diethyl phthalate	08	84-66-2	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Dimethyl phthalate	08	131-11-3	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Di-n-butyl phthalate	08	84-74-2	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Di-n-octyl phthalate	08	117-84-0	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Diphenylamine	08	122-39-4	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Ethyl methanesulfonate	08	62-50-0	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Fluoranthene	08	206-44-0	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Fluorene	08	86-73-7	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Hexachlorobenzene	08	118-74-1	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD	C	98.7	98.7	1	ug/kg dry	BMS
Hexachlorobutadiene	08	87-68-3	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Hexachlorocyclopentadiene	08	77-47-4	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD	C	98.7	98.7	1	ug/kg dry	BMS
Hexachloroethane	08	67-72-1	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS

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Client Sample ID: **SC-49** **Laboratory Sample ID:** **23L0912-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	08	193-39-5	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD	C	98.7	98.7	1	ug/kg dry	BMS
Isophorone	08	78-59-1	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
m+p-Cresols	08	1319-77-3	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Methyl methanesulfonate	08	66-27-3	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Naphthalene	08	91-20-3	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Nitrobenzene	08	98-95-3	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
n-Nitrosodimethylamine	08	62-75-9	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD	C	98.7	98.7	1	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	08	924-16-3	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	08	621-64-7	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
n-Nitrosodiphenylamine	08	86-30-6	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
n-Nitrosopiperidine	08	100-75-4	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
o+m+p-Cresols	08	1319-77-3	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
o-Cresol	08	95-48-7	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	08	60-11-7	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
p-Chloro-m-cresol	08	59-50-7	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	08	82-68-8	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Pentachlorophenol	08	87-86-5	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD	C	98.7	98.7	1	ug/kg dry	BMS
Phenacetin	08	62-44-2	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Phenanthrene	08	85-01-8	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Phenol	08	108-95-2	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Pronamide	08	23950-58-5	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Pyrene	08	129-00-0	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD		98.7	98.7	1	ug/kg dry	BMS
Pyridine	08	110-86-1	SW8270E	12/18/2023 15:30	12/20/2023 00:33	BLOD	C	98.7	98.7	1	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*08*	*47.7 %*	*15-96*	*12/18/2023 15:30*	*12/20/2023 00:33*							

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-49** **Laboratory Sample ID:** **23L0912-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*08*		*70.4 %*	*19-105*	*12/18/2023 15:30*	*12/20/2023 00:33*						
Surr: 2-Fluorophenol (Surr)	*08*		*52.0 %*	*12-95*	*12/18/2023 15:30*	*12/20/2023 00:33*						
Surr: Nitrobenzene-d5 (Surr)	*08*		*69.5 %*	*21-100*	*12/18/2023 15:30*	*12/20/2023 00:33*						
Surr: Phenol-d5 (Surr)	*08*		*63.3 %*	*13-100*	*12/18/2023 15:30*	*12/20/2023 00:33*						
Surr: p-Terphenyl-d14 (Surr)	*08*		*72.7 %*	*25-125*	*12/18/2023 15:30*	*12/20/2023 00:33*						

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Client Sample ID: **SC-49** **Laboratory Sample ID:** **23L0912-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	08	14808-79-8	SW9056A	12/15/2023 09:00	12/16/2023 09:00	16.3		2.97	11.9	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	08	7664-41-7	EPA350.1 R2.0	12/28/2023 16:07	12/28/2023 16:07	BLOD		11.5	11.5	1	mg/kg dry	LAM
Chromium, Hexavalent	08	18540-29-9	SW7199	12/27/2023 09:00	12/28/2023 17:29	0.35		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	08	14797-55-8	SW9056A	12/15/2023 09:00	12/15/2023 09:00	1.23	J	1.19	2.38	1	mg/kg dry	ATG
Percent Solids	08	NA	SM2540G-2011	12/21/2023 15:30	12/21/2023 15:30	84.1		0.10	0.10	1	%	KJM

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Client Sample ID: **SC-54** **Laboratory Sample ID:** **23L0912-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	09	7440-22-4	SW6020B	12/15/2023 10:45	12/18/2023 14:20	124		2.84	2.84	1	ug/kg dry	MDW
Arsenic	09	7440-38-2	SW6020B	12/15/2023 10:45	12/18/2023 14:20	2570		56.9	56.9	1	ug/kg dry	MDW
Barium	09RE1	7440-39-3	SW6020B	12/15/2023 10:45	12/18/2023 13:21	97400		56900	56900	100	ug/kg dry	MDW
Beryllium	09	7440-41-7	SW6020B	12/15/2023 10:45	12/18/2023 14:20	573		56.9	56.9	1	ug/kg dry	MDW
Cadmium	09	7440-43-9	SW6020B	12/15/2023 10:45	12/18/2023 14:20	368		56.9	56.9	1	ug/kg dry	MDW
Cobalt	09	7440-48-4	SW6020B	12/15/2023 10:45	12/18/2023 14:20	14700		56.9	56.9	1	ug/kg dry	MDW
Chromium	09RE1	7440-47-3	SW6020B	12/15/2023 10:45	12/18/2023 13:21	43000		5690	5690	100	ug/kg dry	MDW
Copper	09RE1	7440-50-8	SW6020B	12/15/2023 10:45	12/18/2023 13:21	65100		5690	5690	100	ug/kg dry	MDW
Mercury	09	7439-97-6	SW7471B	12/19/2023 10:15	12/19/2023 13:33	0.118		0.010	0.010	1	mg/kg dry	SGT
Manganese	09RE1	7439-96-5	SW6020B	12/15/2023 10:45	12/18/2023 13:21	485000		5690	5690	100	ug/kg dry	MDW
Nickel	09	7440-02-0	SW6020B	12/15/2023 10:45	12/18/2023 14:20	17400		56.9	56.9	1	ug/kg dry	MDW
Lead	09RE1	7439-92-1	SW6020B	12/15/2023 10:45	12/18/2023 13:21	90000		5690	5690	100	ug/kg dry	MDW
Antimony	09	7440-36-0	SW6020B	12/15/2023 10:45	12/18/2023 14:20	198		56.9	56.9	1	ug/kg dry	MDW
Selenium	09	7782-49-2	SW6020B	12/15/2023 10:45	12/18/2023 14:20	1570		56.9	56.9	1	ug/kg dry	MDW
Thallium	09	7440-28-0	SW6020B	12/15/2023 10:45	12/18/2023 14:20	92.4		56.9	56.9	1	ug/kg dry	MDW
Vanadium	09RE1	7440-62-2	SW6020B	12/15/2023 10:45	12/18/2023 13:21	92900		28400	28400	100	ug/kg dry	MDW
Zinc	09RE1	7440-66-6	SW6020B	12/15/2023 10:45	12/18/2023 13:21	121000		28400	28400	100	ug/kg dry	MDW
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	09	630-20-6	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
1,1,1-Trichloroethane	09	71-55-6	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
1,1,2,2-Tetrachloroethane	09	79-34-5	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
1,1,2-Trichloroethane	09	79-00-5	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
1,1-Dichloroethane	09	75-34-3	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
1,1-Dichloroethylene	09	75-35-4	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH

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Client Sample ID: **SC-54** **Laboratory Sample ID:** **23L0912-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	09	563-58-6	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
1,2,3-Trichlorobenzene	09	87-61-6	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
1,2,3-Trichloropropane	09	96-18-4	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
1,2,4-Trichlorobenzene	09	120-82-1	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
1,2,4-Trimethylbenzene	09	95-63-6	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
1,2-Dibromo-3-chloropropane (DBCP)	09	96-12-8	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
1,2-Dibromoethane (EDB)	09	106-93-4	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
1,2-Dichlorobenzene	09	95-50-1	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
1,2-Dichloroethane	09	107-06-2	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
1,2-Dichloropropane	09	78-87-5	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
1,3,5-Trimethylbenzene	09	108-67-8	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
1,3-Dichlorobenzene	09	541-73-1	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
1,3-Dichloropropane	09	142-28-9	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
1,4-Dichlorobenzene	09	106-46-7	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
2,2-Dichloropropane	09	594-20-7	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
2-Butanone (MEK)	09	78-93-3	SW8260D	12/18/2023 15:36	12/18/2023 15:36	12.7		6.51	6.51	1	ug/kg dry	TLH
2-Chlorotoluene	09	95-49-8	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
2-Hexanone (MBK)	09	591-78-6	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
4-Chlorotoluene	09	106-43-4	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
4-Isopropyltoluene	09	99-87-6	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
4-Methyl-2-pentanone (MIBK)	09	108-10-1	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
Acetone	09	67-64-1	SW8260D	12/18/2023 15:36	12/18/2023 15:36	205		13.0	13.0	1	ug/kg dry	TLH
Benzene	09	71-43-2	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
Bromobenzene	09	108-86-1	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH

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Client Sample ID: **SC-54** **Laboratory Sample ID:** **23L0912-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	09	74-97-5	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
Bromodichloromethane	09	75-27-4	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
Bromoform	09	75-25-2	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD	C	6.51	6.51	1	ug/kg dry	TLH
Bromomethane	09	74-83-9	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
Carbon disulfide	09	75-15-0	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
Carbon tetrachloride	09	56-23-5	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
Chlorobenzene	09	108-90-7	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
Chloroethane	09	75-00-3	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
Chloroform	09	67-66-3	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
Chloromethane	09	74-87-3	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
cis-1,2-Dichloroethylene	09	156-59-2	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
cis-1,3-Dichloropropene	09	10061-01-5	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
Dibromochloromethane	09	124-48-1	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
Dibromomethane	09	74-95-3	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
Dichlorodifluoromethane	09	75-71-8	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
Di-isopropyl ether (DIPE)	09	108-20-3	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
Ethylbenzene	09	100-41-4	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
Hexachlorobutadiene	09	87-68-3	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
Iodomethane	09	74-88-4	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		13.0	13.0	1	ug/kg dry	TLH
Isopropylbenzene	09	98-82-8	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
m+p-Xylenes	09	179601-23-1	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
Methylene chloride	09	75-09-2	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
Methyl-t-butyl ether (MTBE)	09	1634-04-4	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH

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Client Sample ID: **SC-54** **Laboratory Sample ID:** **23L0912-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	09	91-20-3	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
n-Butylbenzene	09	104-51-8	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
n-Propylbenzene	09	103-65-1	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
o-Xylene	09	95-47-6	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
sec-Butylbenzene	09	135-98-8	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
Styrene	09	100-42-5	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
tert-Butylbenzene	09	98-06-6	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
Tetrachloroethylene (PCE)	09	127-18-4	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
Toluene	09	108-88-3	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
trans-1,2-Dichloroethylene	09	156-60-5	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
trans-1,3-Dichloropropene	09	10061-02-6	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
Trichloroethylene	09	79-01-6	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
Trichlorofluoromethane	09	75-69-4	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
Vinyl acetate	09	108-05-4	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	13.0	1	ug/kg dry	TLH
Vinyl chloride	09	75-01-4	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		6.51	6.51	1	ug/kg dry	TLH
Xylenes, Total	09	1330-20-7	SW8260D	12/18/2023 15:36	12/18/2023 15:36	BLOD		19.5	19.5	1	ug/kg dry	TLH
Surr: 1,2-Dichloroethane-d4 (Surr)	*09*		*112 %*	*80-120*	*12/18/2023 15:36*	*12/18/2023 15:36*						
Surr: 4-Bromofluorobenzene (Surr)	*09*		*92.2 %*	*85-120*	*12/18/2023 15:36*	*12/18/2023 15:36*						
Surr: Dibromofluoromethane (Surr)	*09*		*111 %*	*80-130*	*12/18/2023 15:36*	*12/18/2023 15:36*						
Surr: Toluene-d8 (Surr)	*09*		*101 %*	*85-115*	*12/18/2023 15:36*	*12/18/2023 15:36*						

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Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-54** **Laboratory Sample ID:** **23L0912-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	09	123-91-1	SW8270E SIM	12/18/2023 15:30	12/20/2023 01:26	BLOD		3.98	3.98	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*09*	*77.9 %*	*35-100*	*12/18/2023 15:30*	*12/20/2023 01:26*							
1,2,4,5-Tetrachlorobenzene	09	95-94-3	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
1,2,4-Trichlorobenzene	09	120-82-1	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
1,2-Dichlorobenzene	09	95-50-1	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
1,2-Diphenylhydrazine	09	122-66-7	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
1,3-Dichlorobenzene	09	541-73-1	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
1,3-Dinitrobenzene	09	99-65-0	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
1,4-Dichlorobenzene	09	106-46-7	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
1-Chloronaphthalene	09	90-13-1	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
1-Naphthylamine	09	134-32-7	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
2,3,4,6-Tetrachlorophenol	09	58-90-2	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
2,4,5-Trichlorophenol	09	95-95-4	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
2,4,6-Trichlorophenol	09	88-06-2	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
2,4-Dichlorophenol	09	120-83-2	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
2,4-Dimethylphenol	09	105-67-9	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
2,4-Dinitrophenol	09	51-28-5	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
2,4-Dinitrotoluene	09	121-14-2	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
2,6-Dichlorophenol	09	87-65-0	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
2,6-Dinitrotoluene	09	606-20-2	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
2-Chloronaphthalene	09	91-58-7	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
2-Chlorophenol	09	95-57-8	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
2-Methylnaphthalene	09	91-57-6	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-54** **Laboratory Sample ID:** **23L0912-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	09	91-59-8	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
2-Nitroaniline	09	88-74-4	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
2-Nitrophenol	09	88-75-5	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
3,3'-Dichlorobenzidine	09	91-94-1	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
3-Methylcholanthrene	09	56-49-5	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
3-Nitroaniline	09	99-09-2	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
4,6-Dinitro-2-methylphenol	09	534-52-1	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
4-Aminobiphenyl	09	92-67-1	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
4-Bromophenyl phenyl ether	09	101-55-3	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
4-Chloroaniline	09	106-47-8	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
4-Chlorophenyl phenyl ether	09	7005-72-3	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
4-Nitroaniline	09	100-01-6	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
4-Nitrophenol	09	100-02-7	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
7,12-Dimethylbenz (a) anthracene	09	57-97-6	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Acenaphthene	09	83-32-9	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Acenaphthylene	09	208-96-8	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Acetophenone	09	98-86-2	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Aniline	09	62-53-3	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Anthracene	09	120-12-7	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Benzidine	09	92-87-5	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Benzo (a) anthracene	09	56-55-3	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Benzo (a) pyrene	09	50-32-8	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Benzo (b) fluoranthene	09	205-99-2	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Benzo (g,h,i) perylene	09	191-24-2	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-54** **Laboratory Sample ID:** **23L0912-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	09	207-08-9	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Benzoic acid	09	65-85-0	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Benzyl alcohol	09	100-51-6	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
bis (2-Chloroethoxy) methane	09	111-91-1	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
bis (2-Chloroethyl) ether	09	111-44-4	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
2,2'-Oxybis (1-chloropropane)	09	108-60-1	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
bis (2-Ethylhexyl) phthalate	09	117-81-7	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Butyl benzyl phthalate	09	85-68-7	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Chrysene	09	218-01-9	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Dibenz (a,h) anthracene	09	53-70-3	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Dibenz (a,j) acridine	09	224-42-0	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Dibenzofuran	09	132-64-9	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Diethyl phthalate	09	84-66-2	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Dimethyl phthalate	09	131-11-3	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Di-n-butyl phthalate	09	84-74-2	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Di-n-octyl phthalate	09	117-84-0	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Diphenylamine	09	122-39-4	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Ethyl methanesulfonate	09	62-50-0	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Fluoranthene	09	206-44-0	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Fluorene	09	86-73-7	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Hexachlorobenzene	09	118-74-1	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Hexachlorobutadiene	09	87-68-3	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Hexachlorocyclopentadiene	09	77-47-4	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Hexachloroethane	09	67-72-1	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR

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Client Sample ID: **SC-54** **Laboratory Sample ID:** **23L0912-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	09	193-39-5	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Isophorone	09	78-59-1	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
m+p-Cresols	09	1319-77-3	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Methyl methanesulfonate	09	66-27-3	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Naphthalene	09	91-20-3	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Nitrobenzene	09	98-95-3	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
n-Nitrosodimethylamine	09	62-75-9	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD	C	997	997	10	ug/kg dry	ZDR
n-Nitrosodi-n-butylamine	09	924-16-3	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
n-Nitrosodi-n-propylamine	09	621-64-7	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
n-Nitrosodiphenylamine	09	86-30-6	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
n-Nitrosopiperidine	09	100-75-4	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
o+m+p-Cresols	09	1319-77-3	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
o-Cresol	09	95-48-7	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
p-(Dimethylamino) azobenzene	09	60-11-7	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
p-Chloro-m-cresol	09	59-50-7	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Pentachloronitrobenzene (quintozene)	09	82-68-8	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Pentachlorophenol	09	87-86-5	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Phenacetin	09	62-44-2	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Phenanthrene	09	85-01-8	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Phenol	09	108-95-2	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Pronamide	09	23950-58-5	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Pyrene	09	129-00-0	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Pyridine	09	110-86-1	SW8270E	12/18/2023 15:30	12/29/2023 01:06	BLOD		997	997	10	ug/kg dry	ZDR
Surr: 2,4,6-Tribromophenol (Surr)	*09*	*31.6 %*	*15-96*	*12/18/2023 15:30*	*12/29/2023 01:06*							

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*09*		*45.8 %*	*19-105*	*12/18/2023 15:30*	*12/29/2023 01:06*						
Surr: 2-Fluorophenol (Surr)	*09*		*42.9 %*	*12-95*	*12/18/2023 15:30*	*12/29/2023 01:06*						
Surr: Nitrobenzene-d5 (Surr)	*09*		*40.4 %*	*21-100*	*12/18/2023 15:30*	*12/29/2023 01:06*						
Surr: Phenol-d5 (Surr)	*09*		*42.8 %*	*13-100*	*12/18/2023 15:30*	*12/29/2023 01:06*						
Surr: p-Terphenyl-d14 (Surr)	*09*		*43.6 %*	*25-125*	*12/18/2023 15:30*	*12/29/2023 01:06*						

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Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-54** **Laboratory Sample ID:** **23L0912-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	09	14808-79-8	SW9056A	12/15/2023 09:00	12/15/2023 09:00	11.3	J	3.05	12.2	1	mg/kg dry	ATG

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-54** **Laboratory Sample ID:** **23L0912-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	09	7664-41-7	EPA350.1 R2.0	12/28/2023 16:07	12/28/2023 16:07	BLOD		11.9	11.9	1	mg/kg dry	LAM
Chromium, Hexavalent	09	18540-29-9	SW7199	12/27/2023 09:00	12/28/2023 17:55	0.86		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	09	14797-55-8	SW9056A	12/15/2023 09:00	12/15/2023 09:00	3.10		1.22	2.44	1	mg/kg dry	ATG
Percent Solids	09	NA	SM2540G-2011	12/21/2023 15:30	12/21/2023 15:30	81.9		0.10	0.10	1	%	KJM

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Client Sample ID: **SC-38** **Laboratory Sample ID:** **23L0912-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	10	7440-22-4	SW6020B	12/15/2023 10:45	12/18/2023 14:23	45.1		2.77	2.77	1	ug/kg dry	MDW
Arsenic	10	7440-38-2	SW6020B	12/15/2023 10:45	12/18/2023 14:23	2190		55.5	55.5	1	ug/kg dry	MDW
Barium	10RE1	7440-39-3	SW6020B	12/15/2023 10:45	12/18/2023 13:24	140000		55500	55500	100	ug/kg dry	MDW
Beryllium	10	7440-41-7	SW6020B	12/15/2023 10:45	12/18/2023 14:23	528		55.5	55.5	1	ug/kg dry	MDW
Cadmium	10	7440-43-9	SW6020B	12/15/2023 10:45	12/18/2023 14:23	122		55.5	55.5	1	ug/kg dry	MDW
Cobalt	10	7440-48-4	SW6020B	12/15/2023 10:45	12/18/2023 14:23	13600		55.5	55.5	1	ug/kg dry	MDW
Chromium	10RE1	7440-47-3	SW6020B	12/15/2023 10:45	12/18/2023 13:24	28400		5550	5550	100	ug/kg dry	MDW
Copper	10RE1	7440-50-8	SW6020B	12/15/2023 10:45	12/18/2023 13:24	41800		5550	5550	100	ug/kg dry	MDW
Mercury	10	7439-97-6	SW7471B	12/19/2023 10:15	12/19/2023 13:41	0.043		0.009	0.009	1	mg/kg dry	SGT
Manganese	10RE1	7439-96-5	SW6020B	12/15/2023 10:45	12/18/2023 13:24	476000		5550	5550	100	ug/kg dry	MDW
Nickel	10	7440-02-0	SW6020B	12/15/2023 10:45	12/18/2023 14:23	19900		55.5	55.5	1	ug/kg dry	MDW
Lead	10RE1	7439-92-1	SW6020B	12/15/2023 10:45	12/18/2023 13:24	20800		5550	5550	100	ug/kg dry	MDW
Antimony	10	7440-36-0	SW6020B	12/15/2023 10:45	12/18/2023 14:23	84.7		55.5	55.5	1	ug/kg dry	MDW
Selenium	10	7782-49-2	SW6020B	12/15/2023 10:45	12/18/2023 14:23	1270		55.5	55.5	1	ug/kg dry	MDW
Thallium	10	7440-28-0	SW6020B	12/15/2023 10:45	12/18/2023 14:23	129		55.5	55.5	1	ug/kg dry	MDW
Vanadium	10RE1	7440-62-2	SW6020B	12/15/2023 10:45	12/18/2023 13:24	66900		27700	27700	100	ug/kg dry	MDW
Zinc	10RE1	7440-66-6	SW6020B	12/15/2023 10:45	12/18/2023 13:24	64900		27700	27700	100	ug/kg dry	MDW
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	10	630-20-6	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,1,1-Trichloroethane	10	71-55-6	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,1,2,2-Tetrachloroethane	10	79-34-5	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,1,2-Trichloroethane	10	79-00-5	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,1-Dichloroethane	10	75-34-3	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,1-Dichloroethylene	10	75-35-4	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-38** **Laboratory Sample ID:** **23L0912-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	10	563-58-6	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,2,3-Trichlorobenzene	10	87-61-6	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,2,3-Trichloropropane	10	96-18-4	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,2,4-Trichlorobenzene	10	120-82-1	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,2,4-Trimethylbenzene	10	95-63-6	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,2-Dibromo-3-chloropropane (DBCP)	10	96-12-8	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,2-Dibromoethane (EDB)	10	106-93-4	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,2-Dichlorobenzene	10	95-50-1	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,2-Dichloroethane	10	107-06-2	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,2-Dichloropropane	10	78-87-5	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,3,5-Trimethylbenzene	10	108-67-8	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,3-Dichlorobenzene	10	541-73-1	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,3-Dichloropropane	10	142-28-9	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
1,4-Dichlorobenzene	10	106-46-7	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
2,2-Dichloropropane	10	594-20-7	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
2-Butanone (MEK)	10	78-93-3	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
2-Chlorotoluene	10	95-49-8	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
2-Hexanone (MBK)	10	591-78-6	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
4-Chlorotoluene	10	106-43-4	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
4-Isopropyltoluene	10	99-87-6	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
4-Methyl-2-pentanone (MIBK)	10	108-10-1	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
Acetone	10	67-64-1	SW8260D	12/18/2023 16:00	12/18/2023 16:00	108		10.7	10.7	1	ug/kg dry	TLH
Benzene	10	71-43-2	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
Bromobenzene	10	108-86-1	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH

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Client Sample ID: SC-38 **Laboratory Sample ID:** 23L0912-10

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	10	74-97-5	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
Bromodichloromethane	10	75-27-4	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
Bromoform	10	75-25-2	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD	C	5.37	5.37	1	ug/kg dry	TLH
Bromomethane	10	74-83-9	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
Carbon disulfide	10	75-15-0	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
Carbon tetrachloride	10	56-23-5	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
Chlorobenzene	10	108-90-7	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
Chloroethane	10	75-00-3	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
Chloroform	10	67-66-3	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
Chloromethane	10	74-87-3	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
cis-1,2-Dichloroethylene	10	156-59-2	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
cis-1,3-Dichloropropene	10	10061-01-5	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
Dibromochloromethane	10	124-48-1	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
Dibromomethane	10	74-95-3	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
Dichlorodifluoromethane	10	75-71-8	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
Di-isopropyl ether (DIPE)	10	108-20-3	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
Ethylbenzene	10	100-41-4	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
Hexachlorobutadiene	10	87-68-3	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
Iodomethane	10	74-88-4	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		10.7	10.7	1	ug/kg dry	TLH
Isopropylbenzene	10	98-82-8	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
m+p-Xylenes	10	179601-23-1	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
Methylene chloride	10	75-09-2	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
Methyl-t-butyl ether (MTBE)	10	1634-04-4	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-38** **Laboratory Sample ID:** **23L0912-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	10	91-20-3	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
n-Butylbenzene	10	104-51-8	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
n-Propylbenzene	10	103-65-1	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
o-Xylene	10	95-47-6	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
sec-Butylbenzene	10	135-98-8	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
Styrene	10	100-42-5	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
tert-Butylbenzene	10	98-06-6	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
Tetrachloroethylene (PCE)	10	127-18-4	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
Toluene	10	108-88-3	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
trans-1,2-Dichloroethylene	10	156-60-5	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
trans-1,3-Dichloropropene	10	10061-02-6	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
Trichloroethylene	10	79-01-6	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
Trichlorofluoromethane	10	75-69-4	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
Vinyl acetate	10	108-05-4	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	10.7	1	ug/kg dry	TLH
Vinyl chloride	10	75-01-4	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		5.37	5.37	1	ug/kg dry	TLH
Xylenes, Total	10	1330-20-7	SW8260D	12/18/2023 16:00	12/18/2023 16:00	BLOD		16.1	16.1	1	ug/kg dry	TLH
Surr: 1,2-Dichloroethane-d4 (Surr)	*10*		*116 %*	*80-120*	*12/18/2023 16:00*	*12/18/2023 16:00*						
Surr: 4-Bromofluorobenzene (Surr)	*10*		*95.7 %*	*85-120*	*12/18/2023 16:00*	*12/18/2023 16:00*						
Surr: Dibromofluoromethane (Surr)	*10*		*113 %*	*80-130*	*12/18/2023 16:00*	*12/18/2023 16:00*						
Surr: Toluene-d8 (Surr)	*10*		*102 %*	*85-115*	*12/18/2023 16:00*	*12/18/2023 16:00*						

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Client Sample ID: **SC-38** **Laboratory Sample ID:** **23L0912-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	10	123-91-1	SW8270E SIM	12/18/2023 15:30	12/20/2023 13:23	BLOD		3.88	3.88	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*10*	*78.1 %*	*35-100*	*12/18/2023 15:30*	*12/20/2023 13:23*							
1,2,4,5-Tetrachlorobenzene	10	95-94-3	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
1,2,4-Trichlorobenzene	10	120-82-1	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
1,2-Dichlorobenzene	10	95-50-1	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
1,2-Diphenylhydrazine	10	122-66-7	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
1,3-Dichlorobenzene	10	541-73-1	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
1,3-Dinitrobenzene	10	99-65-0	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
1,4-Dichlorobenzene	10	106-46-7	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
1-Chloronaphthalene	10	90-13-1	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
1-Naphthylamine	10	134-32-7	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	10	58-90-2	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
2,4,5-Trichlorophenol	10	95-95-4	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
2,4,6-Trichlorophenol	10	88-06-2	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
2,4-Dichlorophenol	10	120-83-2	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
2,4-Dimethylphenol	10	105-67-9	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
2,4-Dinitrophenol	10	51-28-5	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
2,4-Dinitrotoluene	10	121-14-2	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
2,6-Dichlorophenol	10	87-65-0	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
2,6-Dinitrotoluene	10	606-20-2	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
2-Chloronaphthalene	10	91-58-7	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
2-Chlorophenol	10	95-57-8	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
2-Methylnaphthalene	10	91-57-6	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-38** **Laboratory Sample ID:** **23L0912-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	10	91-59-8	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
2-Nitroaniline	10	88-74-4	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
2-Nitrophenol	10	88-75-5	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
3,3'-Dichlorobenzidine	10	91-94-1	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
3-Methylcholanthrene	10	56-49-5	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
3-Nitroaniline	10	99-09-2	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	10	534-52-1	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
4-Aminobiphenyl	10	92-67-1	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
4-Bromophenyl phenyl ether	10	101-55-3	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
4-Chloroaniline	10	106-47-8	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	10	7005-72-3	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
4-Nitroaniline	10	100-01-6	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
4-Nitrophenol	10	100-02-7	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	10	57-97-6	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Acenaphthene	10	83-32-9	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Acenaphthylene	10	208-96-8	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Acetophenone	10	98-86-2	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Aniline	10	62-53-3	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Anthracene	10	120-12-7	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Benzidine	10	92-87-5	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Benzo (a) anthracene	10	56-55-3	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Benzo (a) pyrene	10	50-32-8	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Benzo (b) fluoranthene	10	205-99-2	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Benzo (g,h,i) perylene	10	191-24-2	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-38** **Laboratory Sample ID:** **23L0912-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	10	207-08-9	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Benzoic acid	10	65-85-0	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Benzyl alcohol	10	100-51-6	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	10	111-91-1	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
bis (2-Chloroethyl) ether	10	111-44-4	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	10	108-60-1	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	10	117-81-7	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Butyl benzyl phthalate	10	85-68-7	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Chrysene	10	218-01-9	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Dibenz (a,h) anthracene	10	53-70-3	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD	C	388	388	4	ug/kg dry	BMS
Dibenz (a,j) acridine	10	224-42-0	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD	C	388	388	4	ug/kg dry	BMS
Dibenzofuran	10	132-64-9	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Diethyl phthalate	10	84-66-2	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Dimethyl phthalate	10	131-11-3	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Di-n-butyl phthalate	10	84-74-2	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Di-n-octyl phthalate	10	117-84-0	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Diphenylamine	10	122-39-4	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Ethyl methanesulfonate	10	62-50-0	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Fluoranthene	10	206-44-0	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Fluorene	10	86-73-7	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Hexachlorobenzene	10	118-74-1	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD	C	388	388	4	ug/kg dry	BMS
Hexachlorobutadiene	10	87-68-3	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Hexachlorocyclopentadiene	10	77-47-4	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD	C	388	388	4	ug/kg dry	BMS
Hexachloroethane	10	67-72-1	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-38** **Laboratory Sample ID:** **23L0912-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	10	193-39-5	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD	C	388	388	4	ug/kg dry	BMS
Isophorone	10	78-59-1	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
m+p-Cresols	10	1319-77-3	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Methyl methanesulfonate	10	66-27-3	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Naphthalene	10	91-20-3	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Nitrobenzene	10	98-95-3	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
n-Nitrosodimethylamine	10	62-75-9	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD	C	388	388	4	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	10	924-16-3	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	10	621-64-7	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
n-Nitrosodiphenylamine	10	86-30-6	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
n-Nitrosopiperidine	10	100-75-4	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
o+m+p-Cresols	10	1319-77-3	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
o-Cresol	10	95-48-7	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	10	60-11-7	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
p-Chloro-m-cresol	10	59-50-7	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	10	82-68-8	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Pentachlorophenol	10	87-86-5	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD	C	388	388	4	ug/kg dry	BMS
Phenacetin	10	62-44-2	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Phenanthrene	10	85-01-8	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Phenol	10	108-95-2	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Pronamide	10	23950-58-5	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Pyrene	10	129-00-0	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD		388	388	4	ug/kg dry	BMS
Pyridine	10	110-86-1	SW8270E	12/18/2023 15:30	12/20/2023 01:45	BLOD	C	388	388	4	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*10*	*41.2 %*	*15-96*	*12/18/2023 15:30*	*12/20/2023 01:45*							

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Client Sample ID: **SC-38** **Laboratory Sample ID:** **23L0912-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*10*		*59.1 %*	*19-105*	*12/18/2023 15:30*	*12/20/2023 01:45*						
Surr: 2-Fluorophenol (Surr)	*10*		*72.1 %*	*12-95*	*12/18/2023 15:30*	*12/20/2023 01:45*						
Surr: Nitrobenzene-d5 (Surr)	*10*		*69.0 %*	*21-100*	*12/18/2023 15:30*	*12/20/2023 01:45*						
Surr: Phenol-d5 (Surr)	*10*		*65.9 %*	*13-100*	*12/18/2023 15:30*	*12/20/2023 01:45*						
Surr: p-Terphenyl-d14 (Surr)	*10*		*59.6 %*	*25-125*	*12/18/2023 15:30*	*12/20/2023 01:45*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	10	14808-79-8	SW9056A	12/15/2023 09:00	12/15/2023 09:00	4.12	J	2.93	11.7	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	10	7664-41-7	EPA350.1 R2.0	12/28/2023 16:07	12/28/2023 16:07	BLOD		11.6	11.6	1	mg/kg dry	LAM
Chromium, Hexavalent	10	18540-29-9	SW7199	12/27/2023 09:00	12/28/2023 18:22	0.33		0.23	0.23	1	mg/kg dry	MGC
Nitrate as N	10	14797-55-8	SW9056A	12/15/2023 09:00	12/15/2023 09:00	BLOD		1.17	2.35	1	mg/kg dry	ATG
Percent Solids	10	NA	SM2540G-2011	12/21/2023 15:30	12/21/2023 15:30	85.2		0.10	0.10	1	%	KJM

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Client Sample ID: **SC-39** **Laboratory Sample ID:** **23L0912-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	11	7440-22-4	SW6020B	12/15/2023 10:45	12/18/2023 14:26	15.7		2.74	2.74	1	ug/kg dry	MDW
Arsenic	11	7440-38-2	SW6020B	12/15/2023 10:45	12/18/2023 14:26	1490		54.9	54.9	1	ug/kg dry	MDW
Barium	11RE1	7440-39-3	SW6020B	12/15/2023 10:45	12/18/2023 13:27	148000		54900	54900	100	ug/kg dry	MDW
Beryllium	11	7440-41-7	SW6020B	12/15/2023 10:45	12/18/2023 14:26	611		54.9	54.9	1	ug/kg dry	MDW
Cadmium	11	7440-43-9	SW6020B	12/15/2023 10:45	12/18/2023 14:26	BLOD		54.9	54.9	1	ug/kg dry	MDW
Cobalt	11	7440-48-4	SW6020B	12/15/2023 10:45	12/18/2023 14:26	12800		54.9	54.9	1	ug/kg dry	MDW
Chromium	11RE1	7440-47-3	SW6020B	12/15/2023 10:45	12/18/2023 13:27	26400		5490	5490	100	ug/kg dry	MDW
Copper	11RE1	7440-50-8	SW6020B	12/15/2023 10:45	12/18/2023 13:27	36200		5490	5490	100	ug/kg dry	MDW
Mercury	11	7439-97-6	SW7471B	12/19/2023 10:15	12/19/2023 13:43	BLOD		0.009	0.009	1	mg/kg dry	SGT
Manganese	11RE1	7439-96-5	SW6020B	12/15/2023 10:45	12/18/2023 13:27	430000		5490	5490	100	ug/kg dry	MDW
Nickel	11	7440-02-0	SW6020B	12/15/2023 10:45	12/18/2023 14:26	15200		54.9	54.9	1	ug/kg dry	MDW
Lead	11	7439-92-1	SW6020B	12/15/2023 10:45	12/18/2023 14:26	3980		54.9	54.9	1	ug/kg dry	MDW
Antimony	11	7440-36-0	SW6020B	12/15/2023 10:45	12/18/2023 14:26	BLOD		54.9	54.9	1	ug/kg dry	MDW
Selenium	11	7782-49-2	SW6020B	12/15/2023 10:45	12/18/2023 14:26	1310		54.9	54.9	1	ug/kg dry	MDW
Thallium	11	7440-28-0	SW6020B	12/15/2023 10:45	12/18/2023 14:26	116		54.9	54.9	1	ug/kg dry	MDW
Vanadium	11RE1	7440-62-2	SW6020B	12/15/2023 10:45	12/18/2023 13:27	64100		27400	27400	100	ug/kg dry	MDW
Zinc	11RE1	7440-66-6	SW6020B	12/15/2023 10:45	12/18/2023 13:27	47100		27400	27400	100	ug/kg dry	MDW
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	11	630-20-6	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
1,1,1-Trichloroethane	11	71-55-6	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
1,1,2,2-Tetrachloroethane	11	79-34-5	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
1,1,2-Trichloroethane	11	79-00-5	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
1,1-Dichloroethane	11	75-34-3	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
1,1-Dichloroethylene	11	75-35-4	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-39** **Laboratory Sample ID:** **23L0912-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	11	563-58-6	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
1,2,3-Trichlorobenzene	11	87-61-6	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
1,2,3-Trichloropropane	11	96-18-4	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
1,2,4-Trichlorobenzene	11	120-82-1	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
1,2,4-Trimethylbenzene	11	95-63-6	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
1,2-Dibromo-3-chloropropane (DBCP)	11	96-12-8	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
1,2-Dibromoethane (EDB)	11	106-93-4	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
1,2-Dichlorobenzene	11	95-50-1	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
1,2-Dichloroethane	11	107-06-2	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
1,2-Dichloropropane	11	78-87-5	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
1,3,5-Trimethylbenzene	11	108-67-8	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
1,3-Dichlorobenzene	11	541-73-1	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
1,3-Dichloropropane	11	142-28-9	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
1,4-Dichlorobenzene	11	106-46-7	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
2,2-Dichloropropane	11	594-20-7	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
2-Butanone (MEK)	11	78-93-3	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
2-Chlorotoluene	11	95-49-8	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
2-Hexanone (MBK)	11	591-78-6	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
4-Chlorotoluene	11	106-43-4	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
4-Isopropyltoluene	11	99-87-6	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
4-Methyl-2-pentanone (MIBK)	11	108-10-1	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
Acetone	11	67-64-1	SW8260D	12/18/2023 16:23	12/18/2023 16:23	121		9.75	10.0	1	ug/kg dry	TLH
Benzene	11	71-43-2	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
Bromobenzene	11	108-86-1	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH

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Client Sample ID: **SC-39** **Laboratory Sample ID:** **23L0912-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	11	74-97-5	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
Bromodichloromethane	11	75-27-4	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
Bromoform	11	75-25-2	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD	C	4.88	5.00	1	ug/kg dry	TLH
Bromomethane	11	74-83-9	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
Carbon disulfide	11	75-15-0	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
Carbon tetrachloride	11	56-23-5	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
Chlorobenzene	11	108-90-7	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
Chloroethane	11	75-00-3	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
Chloroform	11	67-66-3	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
Chloromethane	11	74-87-3	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
cis-1,2-Dichloroethylene	11	156-59-2	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
cis-1,3-Dichloropropene	11	10061-01-5	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
Dibromochloromethane	11	124-48-1	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
Dibromomethane	11	74-95-3	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
Dichlorodifluoromethane	11	75-71-8	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
Di-isopropyl ether (DIPE)	11	108-20-3	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
Ethylbenzene	11	100-41-4	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
Hexachlorobutadiene	11	87-68-3	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
Iodomethane	11	74-88-4	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		9.75	10.0	1	ug/kg dry	TLH
Isopropylbenzene	11	98-82-8	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
m+p-Xylenes	11	179601-23-1	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
Methylene chloride	11	75-09-2	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
Methyl-t-butyl ether (MTBE)	11	1634-04-4	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	11	91-20-3	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
n-Butylbenzene	11	104-51-8	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
n-Propylbenzene	11	103-65-1	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
o-Xylene	11	95-47-6	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
sec-Butylbenzene	11	135-98-8	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
Styrene	11	100-42-5	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
tert-Butylbenzene	11	98-06-6	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
Tetrachloroethylene (PCE)	11	127-18-4	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
Toluene	11	108-88-3	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
trans-1,2-Dichloroethylene	11	156-60-5	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
trans-1,3-Dichloropropene	11	10061-02-6	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
Trichloroethylene	11	79-01-6	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
Trichlorofluoromethane	11	75-69-4	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
Vinyl acetate	11	108-05-4	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	10.0	1	ug/kg dry	TLH
Vinyl chloride	11	75-01-4	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		4.88	5.00	1	ug/kg dry	TLH
Xylenes, Total	11	1330-20-7	SW8260D	12/18/2023 16:23	12/18/2023 16:23	BLOD		14.6	15.0	1	ug/kg dry	TLH
Surr: 1,2-Dichloroethane-d4 (Surr)	*11*		*112 %*	*80-120*	*12/18/2023 16:23*	*12/18/2023 16:23*						
Surr: 4-Bromofluorobenzene (Surr)	*11*		*95.5 %*	*85-120*	*12/18/2023 16:23*	*12/18/2023 16:23*						
Surr: Dibromofluoromethane (Surr)	*11*		*111 %*	*80-130*	*12/18/2023 16:23*	*12/18/2023 16:23*						
Surr: Toluene-d8 (Surr)	*11*		*102 %*	*85-115*	*12/18/2023 16:23*	*12/18/2023 16:23*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	11	123-91-1	SW8270E SIM	12/18/2023 15:30	12/20/2023 13:50	BLOD		3.84	3.84	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*11*	*78.3 %*	*35-100*	*12/18/2023 15:30*	*12/20/2023 13:50*							
1,2,4,5-Tetrachlorobenzene	11	95-94-3	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
1,2,4-Trichlorobenzene	11	120-82-1	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
1,2-Dichlorobenzene	11	95-50-1	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
1,2-Diphenylhydrazine	11	122-66-7	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
1,3-Dichlorobenzene	11	541-73-1	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
1,3-Dinitrobenzene	11	99-65-0	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
1,4-Dichlorobenzene	11	106-46-7	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
1-Chloronaphthalene	11	90-13-1	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
1-Naphthylamine	11	134-32-7	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	11	58-90-2	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
2,4,5-Trichlorophenol	11	95-95-4	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
2,4,6-Trichlorophenol	11	88-06-2	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
2,4-Dichlorophenol	11	120-83-2	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
2,4-Dimethylphenol	11	105-67-9	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
2,4-Dinitrophenol	11	51-28-5	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
2,4-Dinitrotoluene	11	121-14-2	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
2,6-Dichlorophenol	11	87-65-0	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
2,6-Dinitrotoluene	11	606-20-2	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
2-Chloronaphthalene	11	91-58-7	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
2-Chlorophenol	11	95-57-8	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
2-Methylnaphthalene	11	91-57-6	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	11	91-59-8	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
2-Nitroaniline	11	88-74-4	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
2-Nitrophenol	11	88-75-5	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
3,3'-Dichlorobenzidine	11	91-94-1	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
3-Methylcholanthrene	11	56-49-5	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
3-Nitroaniline	11	99-09-2	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	11	534-52-1	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
4-Aminobiphenyl	11	92-67-1	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
4-Bromophenyl phenyl ether	11	101-55-3	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
4-Chloroaniline	11	106-47-8	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	11	7005-72-3	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
4-Nitroaniline	11	100-01-6	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
4-Nitrophenol	11	100-02-7	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	11	57-97-6	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Acenaphthene	11	83-32-9	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Acenaphthylene	11	208-96-8	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Acetophenone	11	98-86-2	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Aniline	11	62-53-3	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Anthracene	11	120-12-7	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Benzidine	11	92-87-5	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Benzo (a) anthracene	11	56-55-3	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Benzo (a) pyrene	11	50-32-8	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Benzo (b) fluoranthene	11	205-99-2	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Benzo (g,h,i) perylene	11	191-24-2	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-39 **Laboratory Sample ID:** 23L0912-11

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	11	207-08-9	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Benzoic acid	11	65-85-0	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Benzyl alcohol	11	100-51-6	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	11	111-91-1	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
bis (2-Chloroethyl) ether	11	111-44-4	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	11	108-60-1	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	11	117-81-7	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Butyl benzyl phthalate	11	85-68-7	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Chrysene	11	218-01-9	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Dibenz (a,h) anthracene	11	53-70-3	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD	C	96.1	96.1	1	ug/kg dry	BMS
Dibenz (a,j) acridine	11	224-42-0	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD	C	96.1	96.1	1	ug/kg dry	BMS
Dibenzofuran	11	132-64-9	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Diethyl phthalate	11	84-66-2	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Dimethyl phthalate	11	131-11-3	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Di-n-butyl phthalate	11	84-74-2	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Di-n-octyl phthalate	11	117-84-0	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Diphenylamine	11	122-39-4	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Ethyl methanesulfonate	11	62-50-0	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Fluoranthene	11	206-44-0	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Fluorene	11	86-73-7	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Hexachlorobenzene	11	118-74-1	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD	C	96.1	96.1	1	ug/kg dry	BMS
Hexachlorobutadiene	11	87-68-3	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Hexachlorocyclopentadiene	11	77-47-4	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD	C	96.1	96.1	1	ug/kg dry	BMS
Hexachloroethane	11	67-72-1	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	11	193-39-5	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD	C	96.1	96.1	1	ug/kg dry	BMS
Isophorone	11	78-59-1	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
m+p-Cresols	11	1319-77-3	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Methyl methanesulfonate	11	66-27-3	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Naphthalene	11	91-20-3	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Nitrobenzene	11	98-95-3	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
n-Nitrosodimethylamine	11	62-75-9	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD	C	96.1	96.1	1	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	11	924-16-3	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	11	621-64-7	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
n-Nitrosodiphenylamine	11	86-30-6	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
n-Nitrosopiperidine	11	100-75-4	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
o+m+p-Cresols	11	1319-77-3	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
o-Cresol	11	95-48-7	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	11	60-11-7	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
p-Chloro-m-cresol	11	59-50-7	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	11	82-68-8	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Pentachlorophenol	11	87-86-5	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD	C	96.1	96.1	1	ug/kg dry	BMS
Phenacetin	11	62-44-2	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Phenanthrene	11	85-01-8	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Phenol	11	108-95-2	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Pronamide	11	23950-58-5	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Pyrene	11	129-00-0	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD		96.1	96.1	1	ug/kg dry	BMS
Pyridine	11	110-86-1	SW8270E	12/18/2023 15:30	12/20/2023 02:20	BLOD	C	96.1	96.1	1	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*11*	*46.4 %*	*15-96*	*12/18/2023 15:30*	*12/20/2023 02:20*							

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*11*		*70.8 %*	*19-105*	*12/18/2023 15:30*	*12/20/2023 02:20*						
Surr: 2-Fluorophenol (Surr)	*11*		*68.6 %*	*12-95*	*12/18/2023 15:30*	*12/20/2023 02:20*						
Surr: Nitrobenzene-d5 (Surr)	*11*		*66.5 %*	*21-100*	*12/18/2023 15:30*	*12/20/2023 02:20*						
Surr: Phenol-d5 (Surr)	*11*		*63.7 %*	*13-100*	*12/18/2023 15:30*	*12/20/2023 02:20*						
Surr: p-Terphenyl-d14 (Surr)	*11*		*66.3 %*	*25-125*	*12/18/2023 15:30*	*12/20/2023 02:20*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	11	14808-79-8	SW9056A	12/15/2023 09:00	12/15/2023 09:00	3.65	J	2.97	11.9	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	11	7664-41-7	EPA350.1 R2.0	12/28/2023 16:07	12/28/2023 16:07	BLOD		11.6	11.6	1	mg/kg dry	LAM
Chromium, Hexavalent	11	18540-29-9	SW7199	12/27/2023 09:00	12/28/2023 19:42	BLOD		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	11	14797-55-8	SW9056A	12/15/2023 09:00	12/15/2023 09:00	BLOD		1.19	2.38	1	mg/kg dry	ATG
Percent Solids	11	NA	SM2540G-2011	12/21/2023 15:30	12/21/2023 15:30	84.2		0.10	0.10	1	%	KJM

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Client Sample ID: **Dup-4** **Laboratory Sample ID:** **23L0912-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	12	7440-22-4	SW6020B	12/15/2023 10:45	12/18/2023 14:29	11.4		2.64	2.64	1	ug/kg dry	MDW
Arsenic	12	7440-38-2	SW6020B	12/15/2023 10:45	12/18/2023 14:29	1180		52.8	52.8	1	ug/kg dry	MDW
Barium	12RE1	7440-39-3	SW6020B	12/15/2023 10:45	12/18/2023 13:30	119000		52800	52800	100	ug/kg dry	MDW
Beryllium	12	7440-41-7	SW6020B	12/15/2023 10:45	12/18/2023 14:29	486		52.8	52.8	1	ug/kg dry	MDW
Cadmium	12	7440-43-9	SW6020B	12/15/2023 10:45	12/18/2023 14:29	BLOD		52.8	52.8	1	ug/kg dry	MDW
Cobalt	12	7440-48-4	SW6020B	12/15/2023 10:45	12/18/2023 14:29	7890		52.8	52.8	1	ug/kg dry	MDW
Chromium	12	7440-47-3	SW6020B	12/15/2023 10:45	12/18/2023 14:29	17200		52.8	52.8	1	ug/kg dry	MDW
Copper	12	7440-50-8	SW6020B	12/15/2023 10:45	12/18/2023 14:29	19000		52.8	52.8	1	ug/kg dry	MDW
Mercury	12	7439-97-6	SW7471B	12/19/2023 10:15	12/19/2023 13:45	BLOD		0.009	0.009	1	mg/kg dry	SGT
Manganese	12RE1	7439-96-5	SW6020B	12/15/2023 10:45	12/18/2023 13:30	247000		5280	5280	100	ug/kg dry	MDW
Nickel	12	7440-02-0	SW6020B	12/15/2023 10:45	12/18/2023 14:29	10600		52.8	52.8	1	ug/kg dry	MDW
Lead	12	7439-92-1	SW6020B	12/15/2023 10:45	12/18/2023 14:29	3050		52.8	52.8	1	ug/kg dry	MDW
Antimony	12	7440-36-0	SW6020B	12/15/2023 10:45	12/18/2023 14:29	BLOD		52.8	52.8	1	ug/kg dry	MDW
Selenium	12	7782-49-2	SW6020B	12/15/2023 10:45	12/18/2023 14:29	1330		52.8	52.8	1	ug/kg dry	MDW
Thallium	12	7440-28-0	SW6020B	12/15/2023 10:45	12/18/2023 14:29	93.1		52.8	52.8	1	ug/kg dry	MDW
Vanadium	12RE1	7440-62-2	SW6020B	12/15/2023 10:45	12/18/2023 13:30	50000		26400	26400	100	ug/kg dry	MDW
Zinc	12RE1	7440-66-6	SW6020B	12/15/2023 10:45	12/18/2023 13:30	32000		26400	26400	100	ug/kg dry	MDW
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	12	630-20-6	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
1,1,1-Trichloroethane	12	71-55-6	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
1,1,2,2-Tetrachloroethane	12	79-34-5	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
1,1,2-Trichloroethane	12	79-00-5	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
1,1-Dichloroethane	12	75-34-3	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
1,1-Dichloroethylene	12	75-35-4	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH

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Client Sample ID: **Dup-4** **Laboratory Sample ID:** **23L0912-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	12	563-58-6	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
1,2,3-Trichlorobenzene	12	87-61-6	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
1,2,3-Trichloropropane	12	96-18-4	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
1,2,4-Trichlorobenzene	12	120-82-1	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
1,2,4-Trimethylbenzene	12	95-63-6	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
1,2-Dibromo-3-chloropropane (DBCP)	12	96-12-8	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
1,2-Dibromoethane (EDB)	12	106-93-4	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
1,2-Dichlorobenzene	12	95-50-1	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
1,2-Dichloroethane	12	107-06-2	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
1,2-Dichloropropane	12	78-87-5	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
1,3,5-Trimethylbenzene	12	108-67-8	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
1,3-Dichlorobenzene	12	541-73-1	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
1,3-Dichloropropane	12	142-28-9	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
1,4-Dichlorobenzene	12	106-46-7	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
2,2-Dichloropropane	12	594-20-7	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
2-Butanone (MEK)	12	78-93-3	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
2-Chlorotoluene	12	95-49-8	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
2-Hexanone (MBK)	12	591-78-6	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
4-Chlorotoluene	12	106-43-4	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
4-Isopropyltoluene	12	99-87-6	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
4-Methyl-2-pentanone (MIBK)	12	108-10-1	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
Acetone	12	67-64-1	SW8260D	12/18/2023 16:47	12/18/2023 16:47	77.4		10.3	10.3	1	ug/kg dry	TLH
Benzene	12	71-43-2	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
Bromobenzene	12	108-86-1	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **Dup-4** **Laboratory Sample ID:** **23L0912-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	12	74-97-5	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
Bromodichloromethane	12	75-27-4	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
Bromoform	12	75-25-2	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD	C	5.13	5.13	1	ug/kg dry	TLH
Bromomethane	12	74-83-9	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
Carbon disulfide	12	75-15-0	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
Carbon tetrachloride	12	56-23-5	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
Chlorobenzene	12	108-90-7	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
Chloroethane	12	75-00-3	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
Chloroform	12	67-66-3	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
Chloromethane	12	74-87-3	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
cis-1,2-Dichloroethylene	12	156-59-2	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
cis-1,3-Dichloropropene	12	10061-01-5	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
Dibromochloromethane	12	124-48-1	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
Dibromomethane	12	74-95-3	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
Dichlorodifluoromethane	12	75-71-8	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
Di-isopropyl ether (DIPE)	12	108-20-3	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
Ethylbenzene	12	100-41-4	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
Hexachlorobutadiene	12	87-68-3	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
Iodomethane	12	74-88-4	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		10.3	10.3	1	ug/kg dry	TLH
Isopropylbenzene	12	98-82-8	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
m+p-Xylenes	12	179601-23-1	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
Methylene chloride	12	75-09-2	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
Methyl-t-butyl ether (MTBE)	12	1634-04-4	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **Dup-4** **Laboratory Sample ID:** **23L0912-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	12	91-20-3	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
n-Butylbenzene	12	104-51-8	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
n-Propylbenzene	12	103-65-1	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
o-Xylene	12	95-47-6	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
sec-Butylbenzene	12	135-98-8	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
Styrene	12	100-42-5	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
tert-Butylbenzene	12	98-06-6	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
Tetrachloroethylene (PCE)	12	127-18-4	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
Toluene	12	108-88-3	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
trans-1,2-Dichloroethylene	12	156-60-5	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
trans-1,3-Dichloropropene	12	10061-02-6	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
Trichloroethylene	12	79-01-6	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
Trichlorofluoromethane	12	75-69-4	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
Vinyl acetate	12	108-05-4	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	10.3	1	ug/kg dry	TLH
Vinyl chloride	12	75-01-4	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		5.13	5.13	1	ug/kg dry	TLH
Xylenes, Total	12	1330-20-7	SW8260D	12/18/2023 16:47	12/18/2023 16:47	BLOD		15.4	15.4	1	ug/kg dry	TLH
Surr: 1,2-Dichloroethane-d4 (Surr)	*12*		*114 %*	*80-120*	*12/18/2023 16:47*	*12/18/2023 16:47*						
Surr: 4-Bromofluorobenzene (Surr)	*12*		*95.8 %*	*85-120*	*12/18/2023 16:47*	*12/18/2023 16:47*						
Surr: Dibromofluoromethane (Surr)	*12*		*110 %*	*80-130*	*12/18/2023 16:47*	*12/18/2023 16:47*						
Surr: Toluene-d8 (Surr)	*12*		*102 %*	*85-115*	*12/18/2023 16:47*	*12/18/2023 16:47*						

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **Dup-4** **Laboratory Sample ID:** **23L0912-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	12	123-91-1	SW8270E SIM	12/18/2023 15:30	12/19/2023 15:19	BLOD		3.69	3.69	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*12*	*75.8 %*	*35-100*	*12/18/2023 15:30*	*12/19/2023 15:19*							
1,2,4,5-Tetrachlorobenzene	12	95-94-3	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
1,2,4-Trichlorobenzene	12	120-82-1	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
1,2-Dichlorobenzene	12	95-50-1	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
1,2-Diphenylhydrazine	12	122-66-7	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
1,3-Dichlorobenzene	12	541-73-1	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
1,3-Dinitrobenzene	12	99-65-0	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
1,4-Dichlorobenzene	12	106-46-7	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
1-Chloronaphthalene	12	90-13-1	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
1-Naphthylamine	12	134-32-7	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	12	58-90-2	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
2,4,5-Trichlorophenol	12	95-95-4	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
2,4,6-Trichlorophenol	12	88-06-2	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
2,4-Dichlorophenol	12	120-83-2	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
2,4-Dimethylphenol	12	105-67-9	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
2,4-Dinitrophenol	12	51-28-5	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
2,4-Dinitrotoluene	12	121-14-2	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
2,6-Dichlorophenol	12	87-65-0	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
2,6-Dinitrotoluene	12	606-20-2	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
2-Chloronaphthalene	12	91-58-7	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
2-Chlorophenol	12	95-57-8	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
2-Methylnaphthalene	12	91-57-6	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS

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Client Sample ID: **Dup-4** **Laboratory Sample ID:** **23L0912-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	12	91-59-8	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
2-Nitroaniline	12	88-74-4	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
2-Nitrophenol	12	88-75-5	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
3,3'-Dichlorobenzidine	12	91-94-1	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
3-Methylcholanthrene	12	56-49-5	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
3-Nitroaniline	12	99-09-2	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	12	534-52-1	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
4-Aminobiphenyl	12	92-67-1	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
4-Bromophenyl phenyl ether	12	101-55-3	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
4-Chloroaniline	12	106-47-8	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	12	7005-72-3	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
4-Nitroaniline	12	100-01-6	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
4-Nitrophenol	12	100-02-7	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	12	57-97-6	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Acenaphthene	12	83-32-9	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Acenaphthylene	12	208-96-8	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Acetophenone	12	98-86-2	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Aniline	12	62-53-3	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Anthracene	12	120-12-7	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Benzidine	12	92-87-5	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Benzo (a) anthracene	12	56-55-3	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Benzo (a) pyrene	12	50-32-8	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Benzo (b) fluoranthene	12	205-99-2	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Benzo (g,h,i) perylene	12	191-24-2	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	12	207-08-9	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Benzoic acid	12	65-85-0	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Benzyl alcohol	12	100-51-6	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	12	111-91-1	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
bis (2-Chloroethyl) ether	12	111-44-4	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	12	108-60-1	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	12	117-81-7	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Butyl benzyl phthalate	12	85-68-7	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Chrysene	12	218-01-9	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Dibenz (a,h) anthracene	12	53-70-3	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD	C	92.4	92.4	1	ug/kg dry	BMS
Dibenz (a,j) acridine	12	224-42-0	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD	C	92.4	92.4	1	ug/kg dry	BMS
Dibenzofuran	12	132-64-9	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Diethyl phthalate	12	84-66-2	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Dimethyl phthalate	12	131-11-3	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Di-n-butyl phthalate	12	84-74-2	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Di-n-octyl phthalate	12	117-84-0	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Diphenylamine	12	122-39-4	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Ethyl methanesulfonate	12	62-50-0	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Fluoranthene	12	206-44-0	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Fluorene	12	86-73-7	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Hexachlorobenzene	12	118-74-1	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD	C	92.4	92.4	1	ug/kg dry	BMS
Hexachlorobutadiene	12	87-68-3	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Hexachlorocyclopentadiene	12	77-47-4	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD	C	92.4	92.4	1	ug/kg dry	BMS
Hexachloroethane	12	67-72-1	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **Dup-4** **Laboratory Sample ID:** **23L0912-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	12	193-39-5	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD	C	92.4	92.4	1	ug/kg dry	BMS
Isophorone	12	78-59-1	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
m+p-Cresols	12	1319-77-3	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Methyl methanesulfonate	12	66-27-3	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Naphthalene	12	91-20-3	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Nitrobenzene	12	98-95-3	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
n-Nitrosodimethylamine	12	62-75-9	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD	C	92.4	92.4	1	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	12	924-16-3	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	12	621-64-7	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
n-Nitrosodiphenylamine	12	86-30-6	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
n-Nitrosopiperidine	12	100-75-4	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
o+m+p-Cresols	12	1319-77-3	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
o-Cresol	12	95-48-7	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	12	60-11-7	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
p-Chloro-m-cresol	12	59-50-7	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	12	82-68-8	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Pentachlorophenol	12	87-86-5	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD	C	92.4	92.4	1	ug/kg dry	BMS
Phenacetin	12	62-44-2	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Phenanthrene	12	85-01-8	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Phenol	12	108-95-2	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Pronamide	12	23950-58-5	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Pyrene	12	129-00-0	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD		92.4	92.4	1	ug/kg dry	BMS
Pyridine	12	110-86-1	SW8270E	12/18/2023 15:30	12/20/2023 02:56	BLOD	C	92.4	92.4	1	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*12*	*41.8 %*	*15-96*	*12/18/2023 15:30*	*12/20/2023 02:56*							

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Client Sample ID: **Dup-4** **Laboratory Sample ID:** **23L0912-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*12*		*61.6 %*	*19-105*	*12/18/2023 15:30*	*12/20/2023 02:56*						
Surr: 2-Fluorophenol (Surr)	*12*		*66.5 %*	*12-95*	*12/18/2023 15:30*	*12/20/2023 02:56*						
Surr: Nitrobenzene-d5 (Surr)	*12*		*63.9 %*	*21-100*	*12/18/2023 15:30*	*12/20/2023 02:56*						
Surr: Phenol-d5 (Surr)	*12*		*59.8 %*	*13-100*	*12/18/2023 15:30*	*12/20/2023 02:56*						
Surr: p-Terphenyl-d14 (Surr)	*12*		*68.9 %*	*25-125*	*12/18/2023 15:30*	*12/20/2023 02:56*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	12	14808-79-8	SW9056A	12/15/2023 09:00	12/15/2023 09:00	4.84	J	2.82	11.3	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	12	7664-41-7	EPA350.1 R2.0	12/28/2023 16:07	12/28/2023 16:07	BLOD		11.2	11.2	1	mg/kg dry	LAM
Chromium, Hexavalent	12	18540-29-9	SW7199	12/27/2023 09:00	12/28/2023 20:08	BLOD		0.22	0.22	1	mg/kg dry	MGC
Nitrate as N	12	14797-55-8	SW9056A	12/15/2023 09:00	12/15/2023 09:00	BLOD		1.13	2.25	1	mg/kg dry	ATG
Percent Solids	12	NA	SM2540G-2011	12/21/2023 15:30	12/21/2023 15:30	88.7		0.10	0.10	1	%	KJM

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Client Sample ID: **Trip Blank** **Laboratory Sample ID:** **23L0912-13**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	13	630-20-6	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.40	0.40	1	ug/L	RJB
1,1,1-Trichloroethane	13	71-55-6	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.60	1.00	1	ug/L	RJB
1,1,2,2-Tetrachloroethane	13	79-34-5	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.30	0.40	1	ug/L	RJB
1,1,2-Trichloroethane	13	79-00-5	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.50	1.00	1	ug/L	RJB
1,1-Dichloroethane	13	75-34-3	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.60	1.00	1	ug/L	RJB
1,1-Dichloroethylene	13	75-35-4	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.70	1.00	1	ug/L	RJB
1,1-Dichloropropene	13	563-58-6	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.60	1.00	1	ug/L	RJB
1,2,3-Trichlorobenzene	13	87-61-6	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.70	1.00	1	ug/L	RJB
1,2,3-Trichloropropane	13	96-18-4	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.40	1.00	1	ug/L	RJB
1,2,4-Trichlorobenzene	13	120-82-1	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.50	1.00	1	ug/L	RJB
1,2,4-Trimethylbenzene	13	95-63-6	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.40	1.00	1	ug/L	RJB
1,2-Dibromo-3-chloropropane (DBCP)	13	96-12-8	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.60	1.00	1	ug/L	RJB
1,2-Dibromoethane (EDB)	13	106-93-4	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.40	1.00	1	ug/L	RJB
1,2-Dichlorobenzene	13	95-50-1	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.40	0.50	1	ug/L	RJB
1,2-Dichloroethane	13	107-06-2	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.70	1.00	1	ug/L	RJB
1,2-Dichloropropane	13	78-87-5	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.40	0.50	1	ug/L	RJB
1,3,5-Trimethylbenzene	13	108-67-8	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.90	1.00	1	ug/L	RJB
1,3-Dichlorobenzene	13	541-73-1	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.30	1.00	1	ug/L	RJB
1,3-Dichloropropane	13	142-28-9	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		1.00	1.00	1	ug/L	RJB
1,4-Dichlorobenzene	13	106-46-7	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.40	1.00	1	ug/L	RJB
2,2-Dichloropropane	13	594-20-7	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.60	1.00	1	ug/L	RJB
2-Butanone (MEK)	13	78-93-3	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		3.00	10.0	1	ug/L	RJB
2-Chlorotoluene	13	95-49-8	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.50	1.00	1	ug/L	RJB
2-Hexanone (MBK)	13	591-78-6	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		2.20	5.00	1	ug/L	RJB

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Client Sample ID: **Trip Blank** **Laboratory Sample ID:** **23L0912-13**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
4-Chlorotoluene	13	106-43-4	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.50	1.00	1	ug/L	RJB
4-Isopropyltoluene	13	99-87-6	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.40	1.00	1	ug/L	RJB
4-Methyl-2-pentanone (MIBK)	13	108-10-1	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		1.50	5.00	1	ug/L	RJB
Acetone	13	67-64-1	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		7.00	10.0	1	ug/L	RJB
Benzene	13	71-43-2	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.40	1.00	1	ug/L	RJB
Bromobenzene	13	108-86-1	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.50	1.00	1	ug/L	RJB
Bromochloromethane	13	74-97-5	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.50	1.00	1	ug/L	RJB
Bromodichloromethane	13	75-27-4	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.40	0.50	1	ug/L	RJB
Bromoform	13	75-25-2	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.40	1.00	1	ug/L	RJB
Bromomethane	13	74-83-9	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.80	1.00	1	ug/L	RJB
Carbon disulfide	13	75-15-0	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		5.00	10.0	1	ug/L	RJB
Carbon tetrachloride	13	56-23-5	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.50	1.00	1	ug/L	RJB
Chlorobenzene	13	108-90-7	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.40	1.00	1	ug/L	RJB
Chloroethane	13	75-00-3	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.70	1.00	1	ug/L	RJB
Chloroform	13	67-66-3	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.50	0.50	1	ug/L	RJB
Chloromethane	13	74-87-3	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.95	1.00	1	ug/L	RJB
cis-1,2-Dichloroethylene	13	156-59-2	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.40	1.00	1	ug/L	RJB
cis-1,3-Dichloropropene	13	10061-01-5	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.30	1.00	1	ug/L	RJB
Dibromochloromethane	13	124-48-1	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.35	0.50	1	ug/L	RJB
Dibromomethane	13	74-95-3	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.40	1.00	1	ug/L	RJB
Dichlorodifluoromethane	13	75-71-8	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.95	1.00	1	ug/L	RJB
Di-isopropyl ether (DIPE)	13	108-20-3	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		3.00	5.00	1	ug/L	RJB
Ethylbenzene	13	100-41-4	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.40	1.00	1	ug/L	RJB
Hexachlorobutadiene	13	87-68-3	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.60	0.80	1	ug/L	RJB

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Client Sample ID: **Trip Blank** **Laboratory Sample ID:** **23L0912-13**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Iodomethane	13	74-88-4	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD	C	6.00	10.0	1	ug/L	RJB
Isopropylbenzene	13	98-82-8	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.50	1.00	1	ug/L	RJB
m+p-Xylenes	13	179601-23-1	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.60	2.00	1	ug/L	RJB
Methylene chloride	13	75-09-2	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		4.00	4.00	1	ug/L	RJB
Methyl-t-butyl ether (MTBE)	13	1634-04-4	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.60	1.00	1	ug/L	RJB
Naphthalene	13	91-20-3	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.80	1.00	1	ug/L	RJB
n-Butylbenzene	13	104-51-8	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.40	1.00	1	ug/L	RJB
n-Propylbenzene	13	103-65-1	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.40	1.00	1	ug/L	RJB
o-Xylene	13	95-47-6	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.40	1.00	1	ug/L	RJB
sec-Butylbenzene	13	135-98-8	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.40	1.00	1	ug/L	RJB
Styrene	13	100-42-5	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.40	1.00	1	ug/L	RJB
tert-Butylbenzene	13	98-06-6	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.40	1.00	1	ug/L	RJB
Tetrachloroethylene (PCE)	13	127-18-4	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.40	1.00	1	ug/L	RJB
Toluene	13	108-88-3	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.50	1.00	1	ug/L	RJB
trans-1,2-Dichloroethylene	13	156-60-5	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.60	1.00	1	ug/L	RJB
trans-1,3-Dichloropropene	13	10061-02-6	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.30	1.00	1	ug/L	RJB
Trichloroethylene	13	79-01-6	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.40	1.00	1	ug/L	RJB
Trichlorofluoromethane	13	75-69-4	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.80	1.00	1	ug/L	RJB
Vinyl acetate	13	108-05-4	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		2.00	10.0	1	ug/L	RJB
Vinyl chloride	13	75-01-4	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		0.50	0.50	1	ug/L	RJB
Xylenes, Total	13	1330-20-7	SW8260D	12/18/2023 16:31	12/18/2023 16:31	BLOD		1.00	3.00	1	ug/L	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*13*	*93.5 %*	*70-120*	*12/18/2023 16:31*	*12/18/2023 16:31*							
Surr: 4-Bromofluorobenzene (Surr)	*13*	*97.7 %*	*75-120*	*12/18/2023 16:31*	*12/18/2023 16:31*							
Surr: Dibromofluoromethane (Surr)	*13*	*95.6 %*	*70-130*	*12/18/2023 16:31*	*12/18/2023 16:31*							

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Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **Trip Blank** **Laboratory Sample ID:** **23L0912-13**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Volatile Organic Compounds by GCMS												
Surr: Toluene-d8 (Surr)	*13*		*97.6 %*	*70-130*	*12/18/2023 16:31*	*12/18/2023 16:31*						

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Client Site I.D.: Southside Park Landfill
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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-33** **Laboratory Sample ID:** **23L1137-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	01	7440-22-4	SW6020B	12/20/2023 12:30	01/03/2024 09:30	28.7		3.01	3.01	1	ug/kg dry	AB
Arsenic	01	7440-38-2	SW6020B	12/20/2023 12:30	01/03/2024 09:30	2570		60.3	60.3	1	ug/kg dry	AB
Barium	01RE1	7440-39-3	SW6020B	12/20/2023 12:30	01/03/2024 10:26	122000		60300	60300	100	ug/kg dry	AB
Beryllium	01	7440-41-7	SW6020B	12/20/2023 12:30	01/03/2024 09:30	473		60.3	60.3	1	ug/kg dry	AB
Cadmium	01	7440-43-9	SW6020B	12/20/2023 12:30	01/03/2024 09:30	114		60.3	60.3	1	ug/kg dry	AB
Cobalt	01	7440-48-4	SW6020B	12/20/2023 12:30	01/03/2024 09:30	17700		60.3	60.3	1	ug/kg dry	AB
Chromium	01RE1	7440-47-3	SW6020B	12/20/2023 12:30	01/03/2024 10:26	55600		6030	6030	100	ug/kg dry	AB
Copper	01RE1	7440-50-8	SW6020B	12/20/2023 12:30	01/03/2024 10:26	49000		6030	6030	100	ug/kg dry	AB
Mercury	01	7439-97-6	SW7471B	12/20/2023 13:25	12/20/2023 14:19	0.025		0.010	0.010	1	mg/kg dry	SGT
Manganese	01RE1	7439-96-5	SW6020B	12/20/2023 12:30	01/03/2024 10:26	555000		6030	6030	100	ug/kg dry	AB
Nickel	01	7440-02-0	SW6020B	12/20/2023 12:30	01/03/2024 09:30	28600		60.3	60.3	1	ug/kg dry	AB
Lead	01RE1	7439-92-1	SW6020B	12/20/2023 12:30	01/03/2024 10:26	53600		6030	6030	100	ug/kg dry	AB
Antimony	01	7440-36-0	SW6020B	12/20/2023 12:30	01/03/2024 09:30	273		60.3	60.3	1	ug/kg dry	AB
Selenium	01	7782-49-2	SW6020B	12/20/2023 12:30	01/03/2024 09:30	2160		60.3	60.3	1	ug/kg dry	AB
Thallium	01	7440-28-0	SW6020B	12/20/2023 12:30	01/03/2024 09:30	120		60.3	60.3	1	ug/kg dry	AB
Vanadium	01RE1	7440-62-2	SW6020B	12/20/2023 12:30	01/03/2024 10:26	71300		30100	30100	100	ug/kg dry	AB
Zinc	01RE1	7440-66-6	SW6020B	12/20/2023 12:30	01/03/2024 10:26	88400		30100	30100	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	01	630-20-6	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
1,1,1-Trichloroethane	01	71-55-6	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	01	79-34-5	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
1,1,2-Trichloroethane	01	79-00-5	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
1,1-Dichloroethane	01	75-34-3	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
1,1-Dichloroethylene	01	75-35-4	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-33** **Laboratory Sample ID:** **23L1137-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	01	563-58-6	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	01	87-61-6	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
1,2,3-Trichloropropane	01	96-18-4	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	01	120-82-1	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	01	95-63-6	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	01	96-12-8	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	01	106-93-4	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
1,2-Dichlorobenzene	01	95-50-1	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
1,2-Dichloroethane	01	107-06-2	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
1,2-Dichloropropane	01	78-87-5	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	01	108-67-8	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
1,3-Dichlorobenzene	01	541-73-1	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
1,3-Dichloropropane	01	142-28-9	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
1,4-Dichlorobenzene	01	106-46-7	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
2,2-Dichloropropane	01	594-20-7	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
2-Butanone (MEK)	01	78-93-3	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
2-Chlorotoluene	01	95-49-8	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
2-Hexanone (MBK)	01	591-78-6	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
4-Chlorotoluene	01	106-43-4	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
4-Isopropyltoluene	01	99-87-6	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	01	108-10-1	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
Acetone	01	67-64-1	SW8260D	12/20/2023 12:34	12/20/2023 12:34	41.1		10.0	10.0	1	ug/kg dry	RJB
Benzene	01	71-43-2	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
Bromobenzene	01	108-86-1	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-33 **Laboratory Sample ID:** 23L1137-01

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	01	74-97-5	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
Bromodichloromethane	01	75-27-4	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
Bromoform	01	75-25-2	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD	C	5.02	5.02	1	ug/kg dry	RJB
Bromomethane	01	74-83-9	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
Carbon disulfide	01	75-15-0	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
Carbon tetrachloride	01	56-23-5	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
Chlorobenzene	01	108-90-7	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
Chloroethane	01	75-00-3	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
Chloroform	01	67-66-3	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
Chloromethane	01	74-87-3	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	01	156-59-2	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	01	10061-01-5	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
Dibromochloromethane	01	124-48-1	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
Dibromomethane	01	74-95-3	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
Dichlorodifluoromethane	01	75-71-8	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	01	108-20-3	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
Ethylbenzene	01	100-41-4	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
Hexachlorobutadiene	01	87-68-3	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
Iodomethane	01	74-88-4	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		10.0	10.0	1	ug/kg dry	RJB
Isopropylbenzene	01	98-82-8	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
m+p-Xylenes	01	179601-23-1	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
Methylene chloride	01	75-09-2	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	01	1634-04-4	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-33** **Laboratory Sample ID:** **23L1137-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	01	91-20-3	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
n-Butylbenzene	01	104-51-8	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
n-Propylbenzene	01	103-65-1	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
o-Xylene	01	95-47-6	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
sec-Butylbenzene	01	135-98-8	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
Styrene	01	100-42-5	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
tert-Butylbenzene	01	98-06-6	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	01	127-18-4	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
Toluene	01	108-88-3	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	01	156-60-5	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	01	10061-02-6	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
Trichloroethylene	01	79-01-6	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
Trichlorofluoromethane	01	75-69-4	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
Vinyl acetate	01	108-05-4	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	10.0	1	ug/kg dry	RJB
Vinyl chloride	01	75-01-4	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		5.02	5.02	1	ug/kg dry	RJB
Xylenes, Total	01	1330-20-7	SW8260D	12/20/2023 12:34	12/20/2023 12:34	BLOD		15.1	15.1	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*01*		*111 %*	*80-120*	*12/20/2023 12:34*	*12/20/2023 12:34*						
Surr: 4-Bromofluorobenzene (Surr)	*01*		*96.4 %*	*85-120*	*12/20/2023 12:34*	*12/20/2023 12:34*						
Surr: Dibromofluoromethane (Surr)	*01*		*110 %*	*80-130*	*12/20/2023 12:34*	*12/20/2023 12:34*						
Surr: Toluene-d8 (Surr)	*01*		*100 %*	*85-115*	*12/20/2023 12:34*	*12/20/2023 12:34*						

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-33** **Laboratory Sample ID:** **23L1137-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	01	123-91-1	SW8270E SIM	12/20/2023 15:00	12/21/2023 17:41	BLOD		4.16	4.16	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*01*	*58.7 %*	*35-100*	*12/20/2023 15:00*	*12/21/2023 17:41*							
1,2,4,5-Tetrachlorobenzene	01	95-94-3	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
1,2,4-Trichlorobenzene	01	120-82-1	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
1,2-Dichlorobenzene	01	95-50-1	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
1,2-Diphenylhydrazine	01	122-66-7	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
1,3-Dichlorobenzene	01	541-73-1	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
1,3-Dinitrobenzene	01	99-65-0	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
1,4-Dichlorobenzene	01	106-46-7	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
1-Chloronaphthalene	01	90-13-1	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
1-Naphthylamine	01	134-32-7	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	01	58-90-2	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
2,4,5-Trichlorophenol	01	95-95-4	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
2,4,6-Trichlorophenol	01	88-06-2	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
2,4-Dichlorophenol	01	120-83-2	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
2,4-Dimethylphenol	01	105-67-9	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
2,4-Dinitrophenol	01	51-28-5	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
2,4-Dinitrotoluene	01	121-14-2	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
2,6-Dichlorophenol	01	87-65-0	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
2,6-Dinitrotoluene	01	606-20-2	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
2-Chloronaphthalene	01	91-58-7	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
2-Chlorophenol	01	95-57-8	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
2-Methylnaphthalene	01	91-57-6	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-33 **Laboratory Sample ID:** 23L1137-01

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	01	91-59-8	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
2-Nitroaniline	01	88-74-4	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
2-Nitrophenol	01	88-75-5	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
3,3'-Dichlorobenzidine	01	91-94-1	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
3-Methylcholanthrene	01	56-49-5	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
3-Nitroaniline	01	99-09-2	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	01	534-52-1	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
4-Aminobiphenyl	01	92-67-1	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
4-Bromophenyl phenyl ether	01	101-55-3	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
4-Chloroaniline	01	106-47-8	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	01	7005-72-3	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
4-Nitroaniline	01	100-01-6	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
4-Nitrophenol	01	100-02-7	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	01	57-97-6	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Acenaphthene	01	83-32-9	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Acenaphthylene	01	208-96-8	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Acetophenone	01	98-86-2	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Aniline	01	62-53-3	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Anthracene	01	120-12-7	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Benzidine	01	92-87-5	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Benzo (a) anthracene	01	56-55-3	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Benzo (a) pyrene	01	50-32-8	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Benzo (b) fluoranthene	01	205-99-2	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Benzo (g,h,i) perylene	01	191-24-2	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-33 **Laboratory Sample ID:** 23L1137-01

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	01	207-08-9	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Benzoic acid	01	65-85-0	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Benzyl alcohol	01	100-51-6	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	01	111-91-1	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
bis (2-Chloroethyl) ether	01	111-44-4	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	01	108-60-1	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	01	117-81-7	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Butyl benzyl phthalate	01	85-68-7	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Chrysene	01	218-01-9	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Dibenz (a,h) anthracene	01	53-70-3	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Dibenz (a,j) acridine	01	224-42-0	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Dibenzofuran	01	132-64-9	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Diethyl phthalate	01	84-66-2	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Dimethyl phthalate	01	131-11-3	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Di-n-butyl phthalate	01	84-74-2	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Di-n-octyl phthalate	01	117-84-0	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Diphenylamine	01	122-39-4	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Ethyl methanesulfonate	01	62-50-0	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Fluoranthene	01	206-44-0	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Fluorene	01	86-73-7	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Hexachlorobenzene	01	118-74-1	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Hexachlorobutadiene	01	87-68-3	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Hexachlorocyclopentadiene	01	77-47-4	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Hexachloroethane	01	67-72-1	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-33 **Laboratory Sample ID:** 23L1137-01

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	01	193-39-5	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Isophorone	01	78-59-1	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
m+p-Cresols	01	1319-77-3	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Methyl methanesulfonate	01	66-27-3	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Naphthalene	01	91-20-3	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Nitrobenzene	01	98-95-3	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
n-Nitrosodimethylamine	01	62-75-9	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	01	924-16-3	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	01	621-64-7	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
n-Nitrosodiphenylamine	01	86-30-6	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
n-Nitrosopiperidine	01	100-75-4	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
o+m+p-Cresols	01	1319-77-3	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
o-Cresol	01	95-48-7	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	01	60-11-7	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
p-Chloro-m-cresol	01	59-50-7	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	01	82-68-8	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Pentachlorophenol	01	87-86-5	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Phenacetin	01	62-44-2	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Phenanthrene	01	85-01-8	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Phenol	01	108-95-2	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Pronamide	01	23950-58-5	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Pyrene	01	129-00-0	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Pyridine	01	110-86-1	SW8270E	12/20/2023 15:00	12/22/2023 17:37	BLOD		104	104	1	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*01*		*64.2 %*	*15-96*	*12/20/2023 15:00*	*12/22/2023 17:37*						

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Client Sample ID: **SC-33** **Laboratory Sample ID:** **23L1137-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*01*		*41.2 %*	*19-105*	*12/20/2023 15:00*	*12/22/2023 17:37*						
Surr: 2-Fluorophenol (Surr)	*01*		*58.4 %*	*12-95*	*12/20/2023 15:00*	*12/22/2023 17:37*						
Surr: Nitrobenzene-d5 (Surr)	*01*		*59.8 %*	*21-100*	*12/20/2023 15:00*	*12/22/2023 17:37*						
Surr: Phenol-d5 (Surr)	*01*		*61.8 %*	*13-100*	*12/20/2023 15:00*	*12/22/2023 17:37*						
Surr: p-Terphenyl-d14 (Surr)	*01*		*122 %*	*25-125*	*12/20/2023 15:00*	*12/22/2023 17:37*						

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Ion Chromatography Analyses												
Sulfate	01	14808-79-8	SW9056A	12/20/2023 10:00	12/20/2023 10:00	7.86	J	3.12	12.5	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	01	7664-41-7	EPA350.1 R2.0	01/02/2024 15:01	01/02/2024 15:01	BLOD		11.7	11.7	1	mg/kg dry	SPH
Chromium, Hexavalent	01RE1	18540-29-9	SW7199	01/02/2024 17:40	01/03/2024 11:02	1.04		0.25	0.25	1	mg/kg dry	MGC
Nitrate as N	01	14797-55-8	SW9056A	12/20/2023 10:00	12/20/2023 10:00	3.19		1.25	2.50	1	mg/kg dry	ATG
Percent Solids	01	NA	SM2540G-2011	12/22/2023 11:45	12/22/2023 11:45	80.1		0.10	0.10	1	%	KJM

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Client Sample ID: **SC-32** **Laboratory Sample ID:** **23L1137-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	02	7440-22-4	SW6020B	12/20/2023 12:30	01/03/2024 09:33	23.5		2.97	2.97	1	ug/kg dry	AB
Arsenic	02	7440-38-2	SW6020B	12/20/2023 12:30	01/03/2024 09:33	1660		59.4	59.4	1	ug/kg dry	AB
Barium	02RE1	7440-39-3	SW6020B	12/20/2023 12:30	01/03/2024 10:29	153000		59400	59400	100	ug/kg dry	AB
Beryllium	02	7440-41-7	SW6020B	12/20/2023 12:30	01/03/2024 09:33	479		59.4	59.4	1	ug/kg dry	AB
Cadmium	02	7440-43-9	SW6020B	12/20/2023 12:30	01/03/2024 09:33	95.7		59.4	59.4	1	ug/kg dry	AB
Cobalt	02	7440-48-4	SW6020B	12/20/2023 12:30	01/03/2024 09:33	20600		59.4	59.4	1	ug/kg dry	AB
Chromium	02RE1	7440-47-3	SW6020B	12/20/2023 12:30	01/03/2024 10:29	62200		5940	5940	100	ug/kg dry	AB
Copper	02RE1	7440-50-8	SW6020B	12/20/2023 12:30	01/03/2024 10:29	59000		5940	5940	100	ug/kg dry	AB
Mercury	02	7439-97-6	SW7471B	12/20/2023 13:25	12/20/2023 14:21	0.031		0.010	0.010	1	mg/kg dry	SGT
Manganese	02RE1	7439-96-5	SW6020B	12/20/2023 12:30	01/03/2024 10:29	549000		5940	5940	100	ug/kg dry	AB
Nickel	02RE1	7440-02-0	SW6020B	12/20/2023 12:30	01/03/2024 10:29	38000		5940	5940	100	ug/kg dry	AB
Lead	02RE1	7439-92-1	SW6020B	12/20/2023 12:30	01/03/2024 10:29	50900		5940	5940	100	ug/kg dry	AB
Antimony	02	7440-36-0	SW6020B	12/20/2023 12:30	01/03/2024 09:33	207		59.4	59.4	1	ug/kg dry	AB
Selenium	02	7782-49-2	SW6020B	12/20/2023 12:30	01/03/2024 09:33	2500		59.4	59.4	1	ug/kg dry	AB
Thallium	02	7440-28-0	SW6020B	12/20/2023 12:30	01/03/2024 09:33	94.2		59.4	59.4	1	ug/kg dry	AB
Vanadium	02RE1	7440-62-2	SW6020B	12/20/2023 12:30	01/03/2024 10:29	83900		29700	29700	100	ug/kg dry	AB
Zinc	02RE1	7440-66-6	SW6020B	12/20/2023 12:30	01/03/2024 10:29	97100		29700	29700	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	02	630-20-6	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
1,1,1-Trichloroethane	02	71-55-6	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	02	79-34-5	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
1,1,2-Trichloroethane	02	79-00-5	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
1,1-Dichloroethane	02	75-34-3	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
1,1-Dichloroethylene	02	75-35-4	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-32** **Laboratory Sample ID:** **23L1137-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	02	563-58-6	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	02	87-61-6	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
1,2,3-Trichloropropane	02	96-18-4	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	02	120-82-1	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	02	95-63-6	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	02	96-12-8	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	02	106-93-4	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
1,2-Dichlorobenzene	02	95-50-1	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
1,2-Dichloroethane	02	107-06-2	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
1,2-Dichloropropane	02	78-87-5	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	02	108-67-8	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
1,3-Dichlorobenzene	02	541-73-1	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
1,3-Dichloropropane	02	142-28-9	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
1,4-Dichlorobenzene	02	106-46-7	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
2,2-Dichloropropane	02	594-20-7	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
2-Butanone (MEK)	02	78-93-3	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
2-Chlorotoluene	02	95-49-8	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
2-Hexanone (MBK)	02	591-78-6	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
4-Chlorotoluene	02	106-43-4	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
4-Isopropyltoluene	02	99-87-6	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	02	108-10-1	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
Acetone	02	67-64-1	SW8260D	12/20/2023 13:20	12/20/2023 13:20	57.7		10.0	10.0	1	ug/kg dry	RJB
Benzene	02	71-43-2	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
Bromobenzene	02	108-86-1	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB

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Client Sample ID: SC-32 **Laboratory Sample ID:** 23L1137-02

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	02	74-97-5	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
Bromodichloromethane	02	75-27-4	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
Bromoform	02	75-25-2	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD	C	5.01	5.01	1	ug/kg dry	RJB
Bromomethane	02	74-83-9	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
Carbon disulfide	02	75-15-0	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
Carbon tetrachloride	02	56-23-5	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
Chlorobenzene	02	108-90-7	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
Chloroethane	02	75-00-3	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
Chloroform	02	67-66-3	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
Chloromethane	02	74-87-3	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	02	156-59-2	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	02	10061-01-5	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
Dibromochloromethane	02	124-48-1	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
Dibromomethane	02	74-95-3	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
Dichlorodifluoromethane	02	75-71-8	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	02	108-20-3	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
Ethylbenzene	02	100-41-4	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
Hexachlorobutadiene	02	87-68-3	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
Iodomethane	02	74-88-4	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		10.0	10.0	1	ug/kg dry	RJB
Isopropylbenzene	02	98-82-8	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
m+p-Xylenes	02	179601-23-1	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
Methylene chloride	02	75-09-2	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	02	1634-04-4	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB

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Client Sample ID: **SC-32** **Laboratory Sample ID:** **23L1137-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	02	91-20-3	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
n-Butylbenzene	02	104-51-8	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
n-Propylbenzene	02	103-65-1	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
o-Xylene	02	95-47-6	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
sec-Butylbenzene	02	135-98-8	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
Styrene	02	100-42-5	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
tert-Butylbenzene	02	98-06-6	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	02	127-18-4	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
Toluene	02	108-88-3	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	02	156-60-5	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	02	10061-02-6	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
Trichloroethylene	02	79-01-6	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
Trichlorofluoromethane	02	75-69-4	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
Vinyl acetate	02	108-05-4	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	10.0	1	ug/kg dry	RJB
Vinyl chloride	02	75-01-4	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		5.01	5.01	1	ug/kg dry	RJB
Xylenes, Total	02	1330-20-7	SW8260D	12/20/2023 13:20	12/20/2023 13:20	BLOD		15.0	15.0	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*02*		*117 %*	*80-120*	*12/20/2023 13:20*	*12/20/2023 13:20*						
Surr: 4-Bromofluorobenzene (Surr)	*02*		*94.9 %*	*85-120*	*12/20/2023 13:20*	*12/20/2023 13:20*						
Surr: Dibromofluoromethane (Surr)	*02*		*112 %*	*80-130*	*12/20/2023 13:20*	*12/20/2023 13:20*						
Surr: Toluene-d8 (Surr)	*02*		*101 %*	*85-115*	*12/20/2023 13:20*	*12/20/2023 13:20*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	02	123-91-1	SW8270E SIM	12/20/2023 15:00	12/21/2023 19:00	BLOD		4.02	4.02	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*02*	*63.7 %*	*35-100*	*12/20/2023 15:00*	*12/21/2023 19:00*							
1,2,4,5-Tetrachlorobenzene	02	95-94-3	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
1,2,4-Trichlorobenzene	02	120-82-1	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
1,2-Dichlorobenzene	02	95-50-1	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
1,2-Diphenylhydrazine	02	122-66-7	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
1,3-Dichlorobenzene	02	541-73-1	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
1,3-Dinitrobenzene	02	99-65-0	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
1,4-Dichlorobenzene	02	106-46-7	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
1-Chloronaphthalene	02	90-13-1	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
1-Naphthylamine	02	134-32-7	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	02	58-90-2	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
2,4,5-Trichlorophenol	02	95-95-4	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
2,4,6-Trichlorophenol	02	88-06-2	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
2,4-Dichlorophenol	02	120-83-2	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
2,4-Dimethylphenol	02	105-67-9	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
2,4-Dinitrophenol	02	51-28-5	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
2,4-Dinitrotoluene	02	121-14-2	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
2,6-Dichlorophenol	02	87-65-0	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
2,6-Dinitrotoluene	02	606-20-2	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
2-Chloronaphthalene	02	91-58-7	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
2-Chlorophenol	02	95-57-8	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
2-Methylnaphthalene	02	91-57-6	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	02	91-59-8	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
2-Nitroaniline	02	88-74-4	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
2-Nitrophenol	02	88-75-5	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
3,3'-Dichlorobenzidine	02	91-94-1	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
3-Methylcholanthrene	02	56-49-5	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
3-Nitroaniline	02	99-09-2	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	02	534-52-1	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
4-Aminobiphenyl	02	92-67-1	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
4-Bromophenyl phenyl ether	02	101-55-3	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
4-Chloroaniline	02	106-47-8	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	02	7005-72-3	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
4-Nitroaniline	02	100-01-6	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
4-Nitrophenol	02	100-02-7	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	02	57-97-6	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Acenaphthene	02	83-32-9	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Acenaphthylene	02	208-96-8	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Acetophenone	02	98-86-2	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Aniline	02	62-53-3	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Anthracene	02	120-12-7	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Benzidine	02	92-87-5	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Benzo (a) anthracene	02	56-55-3	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Benzo (a) pyrene	02	50-32-8	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Benzo (b) fluoranthene	02	205-99-2	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Benzo (g,h,i) perylene	02	191-24-2	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-32** **Laboratory Sample ID:** **23L1137-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	02	207-08-9	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Benzoic acid	02	65-85-0	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Benzyl alcohol	02	100-51-6	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	02	111-91-1	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
bis (2-Chloroethyl) ether	02	111-44-4	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	02	108-60-1	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	02	117-81-7	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Butyl benzyl phthalate	02	85-68-7	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Chrysene	02	218-01-9	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Dibenz (a,h) anthracene	02	53-70-3	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Dibenz (a,j) acridine	02	224-42-0	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Dibenzofuran	02	132-64-9	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Diethyl phthalate	02	84-66-2	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Dimethyl phthalate	02	131-11-3	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Di-n-butyl phthalate	02	84-74-2	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Di-n-octyl phthalate	02	117-84-0	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Diphenylamine	02	122-39-4	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Ethyl methanesulfonate	02	62-50-0	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Fluoranthene	02	206-44-0	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Fluorene	02	86-73-7	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Hexachlorobenzene	02	118-74-1	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Hexachlorobutadiene	02	87-68-3	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Hexachlorocyclopentadiene	02	77-47-4	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Hexachloroethane	02	67-72-1	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS

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Client Sample ID: SC-32 **Laboratory Sample ID:** 23L1137-02

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	02	193-39-5	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Isophorone	02	78-59-1	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
m+p-Cresols	02	1319-77-3	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Methyl methanesulfonate	02	66-27-3	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Naphthalene	02	91-20-3	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Nitrobenzene	02	98-95-3	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
n-Nitrosodimethylamine	02	62-75-9	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	02	924-16-3	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	02	621-64-7	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
n-Nitrosodiphenylamine	02	86-30-6	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
n-Nitrosopiperidine	02	100-75-4	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
o+m+p-Cresols	02	1319-77-3	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
o-Cresol	02	95-48-7	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	02	60-11-7	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
p-Chloro-m-cresol	02	59-50-7	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	02	82-68-8	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Pentachlorophenol	02	87-86-5	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Phenacetin	02	62-44-2	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Phenanthrene	02	85-01-8	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Phenol	02	108-95-2	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Pronamide	02	23950-58-5	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Pyrene	02	129-00-0	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Pyridine	02	110-86-1	SW8270E	12/20/2023 15:00	12/22/2023 19:06	BLOD		101	101	1	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*02*	*77.8 %*	*15-96*	*12/20/2023 15:00*	*12/22/2023 19:06*							

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Client Sample ID: **SC-32** **Laboratory Sample ID:** **23L1137-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*02*		*36.5 %*	*19-105*	*12/20/2023 15:00*	*12/22/2023 19:06*						
Surr: 2-Fluorophenol (Surr)	*02*		*58.2 %*	*12-95*	*12/20/2023 15:00*	*12/22/2023 19:06*						
Surr: Nitrobenzene-d5 (Surr)	*02*		*55.2 %*	*21-100*	*12/20/2023 15:00*	*12/22/2023 19:06*						
Surr: Phenol-d5 (Surr)	*02*		*56.5 %*	*13-100*	*12/20/2023 15:00*	*12/22/2023 19:06*						
Surr: p-Terphenyl-d14 (Surr)	*02*		*60.6 %*	*25-125*	*12/20/2023 15:00*	*12/22/2023 19:06*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	02	14808-79-8	SW9056A	12/20/2023 10:00	12/20/2023 10:00	6.43	J	3.05	12.2	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	02	7664-41-7	EPA350.1 R2.0	01/02/2024 15:01	01/02/2024 15:01	BLOD		12.0	12.0	1	mg/kg dry	SPH
Chromium, Hexavalent	02	18540-29-9	SW7199	01/02/2024 09:00	01/02/2024 23:23	0.64		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	02	14797-55-8	SW9056A	12/20/2023 10:00	12/20/2023 10:00	1.24	J	1.22	2.44	1	mg/kg dry	ATG
Percent Solids	02	NA	SM2540G-2011	12/22/2023 11:45	12/22/2023 11:45	82.0		0.10	0.10	1	%	KJM

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Client Sample ID: **SC-31** **Laboratory Sample ID:** **23L1137-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	03	7440-22-4	SW6020B	12/20/2023 12:30	01/03/2024 09:37	135		2.84	2.84	1	ug/kg dry	AB
Arsenic	03	7440-38-2	SW6020B	12/20/2023 12:30	01/03/2024 09:37	2360		56.9	56.9	1	ug/kg dry	AB
Barium	03RE1	7440-39-3	SW6020B	12/20/2023 12:30	01/03/2024 10:32	116000		56900	56900	100	ug/kg dry	AB
Beryllium	03	7440-41-7	SW6020B	12/20/2023 12:30	01/03/2024 09:37	432		56.9	56.9	1	ug/kg dry	AB
Cadmium	03	7440-43-9	SW6020B	12/20/2023 12:30	01/03/2024 09:37	198		56.9	56.9	1	ug/kg dry	AB
Cobalt	03	7440-48-4	SW6020B	12/20/2023 12:30	01/03/2024 09:37	14600		56.9	56.9	1	ug/kg dry	AB
Chromium	03RE1	7440-47-3	SW6020B	12/20/2023 12:30	01/03/2024 10:32	50400		5690	5690	100	ug/kg dry	AB
Copper	03RE1	7440-50-8	SW6020B	12/20/2023 12:30	01/03/2024 10:32	52100		5690	5690	100	ug/kg dry	AB
Mercury	03	7439-97-6	SW7471B	12/20/2023 13:25	12/20/2023 14:24	0.138		0.010	0.010	1	mg/kg dry	SGT
Manganese	03RE1	7439-96-5	SW6020B	12/20/2023 12:30	01/03/2024 10:32	472000		5690	5690	100	ug/kg dry	AB
Nickel	03	7440-02-0	SW6020B	12/20/2023 12:30	01/03/2024 09:37	22400		56.9	56.9	1	ug/kg dry	AB
Lead	03RE1	7439-92-1	SW6020B	12/20/2023 12:30	01/03/2024 10:32	104000		5690	5690	100	ug/kg dry	AB
Antimony	03	7440-36-0	SW6020B	12/20/2023 12:30	01/03/2024 09:37	358		56.9	56.9	1	ug/kg dry	AB
Selenium	03	7782-49-2	SW6020B	12/20/2023 12:30	01/03/2024 09:37	2550		56.9	56.9	1	ug/kg dry	AB
Thallium	03	7440-28-0	SW6020B	12/20/2023 12:30	01/03/2024 09:37	104		56.9	56.9	1	ug/kg dry	AB
Vanadium	03RE1	7440-62-2	SW6020B	12/20/2023 12:30	01/03/2024 10:32	65300		28400	28400	100	ug/kg dry	AB
Zinc	03RE1	7440-66-6	SW6020B	12/20/2023 12:30	01/03/2024 10:32	120000		28400	28400	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	03	630-20-6	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
1,1,1-Trichloroethane	03	71-55-6	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	03	79-34-5	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
1,1,2-Trichloroethane	03	79-00-5	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
1,1-Dichloroethane	03	75-34-3	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
1,1-Dichloroethylene	03	75-35-4	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB

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Client Sample ID: **SC-31** **Laboratory Sample ID:** **23L1137-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	03	563-58-6	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	03	87-61-6	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
1,2,3-Trichloropropane	03	96-18-4	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	03	120-82-1	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	03	95-63-6	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	03	96-12-8	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	03	106-93-4	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
1,2-Dichlorobenzene	03	95-50-1	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
1,2-Dichloroethane	03	107-06-2	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
1,2-Dichloropropane	03	78-87-5	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	03	108-67-8	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
1,3-Dichlorobenzene	03	541-73-1	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
1,3-Dichloropropane	03	142-28-9	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
1,4-Dichlorobenzene	03	106-46-7	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
2,2-Dichloropropane	03	594-20-7	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
2-Butanone (MEK)	03	78-93-3	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
2-Chlorotoluene	03	95-49-8	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
2-Hexanone (MBK)	03	591-78-6	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
4-Chlorotoluene	03	106-43-4	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
4-Isopropyltoluene	03	99-87-6	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	03	108-10-1	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
Acetone	03	67-64-1	SW8260D	12/20/2023 13:47	12/20/2023 13:47	39.3		10.1	10.1	1	ug/kg dry	RJB
Benzene	03	71-43-2	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
Bromobenzene	03	108-86-1	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB

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Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-31 **Laboratory Sample ID:** 23L1137-03

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	03	74-97-5	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
Bromodichloromethane	03	75-27-4	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
Bromoform	03	75-25-2	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD	C	5.05	5.05	1	ug/kg dry	RJB
Bromomethane	03	74-83-9	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
Carbon disulfide	03	75-15-0	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
Carbon tetrachloride	03	56-23-5	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
Chlorobenzene	03	108-90-7	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
Chloroethane	03	75-00-3	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
Chloroform	03	67-66-3	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
Chloromethane	03	74-87-3	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	03	156-59-2	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	03	10061-01-5	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
Dibromochloromethane	03	124-48-1	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
Dibromomethane	03	74-95-3	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
Dichlorodifluoromethane	03	75-71-8	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	03	108-20-3	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
Ethylbenzene	03	100-41-4	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
Hexachlorobutadiene	03	87-68-3	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
Iodomethane	03	74-88-4	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		10.1	10.1	1	ug/kg dry	RJB
Isopropylbenzene	03	98-82-8	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
m+p-Xylenes	03	179601-23-1	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
Methylene chloride	03	75-09-2	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	03	1634-04-4	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-31** **Laboratory Sample ID:** **23L1137-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	03	91-20-3	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
n-Butylbenzene	03	104-51-8	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
n-Propylbenzene	03	103-65-1	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
o-Xylene	03	95-47-6	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
sec-Butylbenzene	03	135-98-8	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
Styrene	03	100-42-5	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
tert-Butylbenzene	03	98-06-6	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	03	127-18-4	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
Toluene	03	108-88-3	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	03	156-60-5	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	03	10061-02-6	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
Trichloroethylene	03	79-01-6	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
Trichlorofluoromethane	03	75-69-4	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
Vinyl acetate	03	108-05-4	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	10.1	1	ug/kg dry	RJB
Vinyl chloride	03	75-01-4	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		5.05	5.05	1	ug/kg dry	RJB
Xylenes, Total	03	1330-20-7	SW8260D	12/20/2023 13:47	12/20/2023 13:47	BLOD		15.2	15.2	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*03*		*113 %*	*80-120*	*12/20/2023 13:47*	*12/20/2023 13:47*						
Surr: 4-Bromofluorobenzene (Surr)	*03*		*96.9 %*	*85-120*	*12/20/2023 13:47*	*12/20/2023 13:47*						
Surr: Dibromofluoromethane (Surr)	*03*		*109 %*	*80-130*	*12/20/2023 13:47*	*12/20/2023 13:47*						
Surr: Toluene-d8 (Surr)	*03*		*101 %*	*85-115*	*12/20/2023 13:47*	*12/20/2023 13:47*						

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Client Sample ID: **SC-31** **Laboratory Sample ID:** **23L1137-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	03	123-91-1	SW8270E SIM	12/20/2023 15:00	12/21/2023 19:27	BLOD		4.03	4.03	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*03*	*70.9 %*	*35-100*	*12/20/2023 15:00*	*12/21/2023 19:27*							
1,2,4,5-Tetrachlorobenzene	03	95-94-3	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
1,2,4-Trichlorobenzene	03	120-82-1	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
1,2-Dichlorobenzene	03	95-50-1	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
1,2-Diphenylhydrazine	03	122-66-7	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
1,3-Dichlorobenzene	03	541-73-1	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
1,3-Dinitrobenzene	03	99-65-0	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
1,4-Dichlorobenzene	03	106-46-7	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
1-Chloronaphthalene	03	90-13-1	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
1-Naphthylamine	03	134-32-7	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	03	58-90-2	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
2,4,5-Trichlorophenol	03	95-95-4	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
2,4,6-Trichlorophenol	03	88-06-2	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
2,4-Dichlorophenol	03	120-83-2	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
2,4-Dimethylphenol	03	105-67-9	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
2,4-Dinitrophenol	03	51-28-5	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
2,4-Dinitrotoluene	03	121-14-2	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
2,6-Dichlorophenol	03	87-65-0	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
2,6-Dinitrotoluene	03	606-20-2	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
2-Chloronaphthalene	03	91-58-7	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
2-Chlorophenol	03	95-57-8	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
2-Methylnaphthalene	03	91-57-6	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS

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Client Sample ID: SC-31 **Laboratory Sample ID:** 23L1137-03

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	03	91-59-8	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
2-Nitroaniline	03	88-74-4	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
2-Nitrophenol	03	88-75-5	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
3,3'-Dichlorobenzidine	03	91-94-1	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
3-Methylcholanthrene	03	56-49-5	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
3-Nitroaniline	03	99-09-2	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	03	534-52-1	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
4-Aminobiphenyl	03	92-67-1	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
4-Bromophenyl phenyl ether	03	101-55-3	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
4-Chloroaniline	03	106-47-8	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	03	7005-72-3	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
4-Nitroaniline	03	100-01-6	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
4-Nitrophenol	03	100-02-7	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	03	57-97-6	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Acenaphthene	03	83-32-9	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Acenaphthylene	03	208-96-8	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Acetophenone	03	98-86-2	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Aniline	03	62-53-3	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Anthracene	03	120-12-7	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Benzidine	03	92-87-5	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Benzo (a) anthracene	03	56-55-3	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Benzo (a) pyrene	03	50-32-8	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Benzo (b) fluoranthene	03	205-99-2	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Benzo (g,h,i) perylene	03	191-24-2	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	03	207-08-9	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Benzoic acid	03	65-85-0	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Benzyl alcohol	03	100-51-6	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	03	111-91-1	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
bis (2-Chloroethyl) ether	03	111-44-4	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	03	108-60-1	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	03	117-81-7	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Butyl benzyl phthalate	03	85-68-7	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Chrysene	03	218-01-9	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Dibenz (a,h) anthracene	03	53-70-3	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Dibenz (a,j) acridine	03	224-42-0	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Dibenzofuran	03	132-64-9	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Diethyl phthalate	03	84-66-2	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Dimethyl phthalate	03	131-11-3	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Di-n-butyl phthalate	03	84-74-2	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Di-n-octyl phthalate	03	117-84-0	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Diphenylamine	03	122-39-4	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Ethyl methanesulfonate	03	62-50-0	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Fluoranthene	03	206-44-0	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Fluorene	03	86-73-7	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Hexachlorobenzene	03	118-74-1	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Hexachlorobutadiene	03	87-68-3	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Hexachlorocyclopentadiene	03	77-47-4	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Hexachloroethane	03	67-72-1	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-31 **Laboratory Sample ID:** 23L1137-03

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	03	193-39-5	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Isophorone	03	78-59-1	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
m+p-Cresols	03	1319-77-3	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Methyl methanesulfonate	03	66-27-3	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Naphthalene	03	91-20-3	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Nitrobenzene	03	98-95-3	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
n-Nitrosodimethylamine	03	62-75-9	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	03	924-16-3	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	03	621-64-7	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
n-Nitrosodiphenylamine	03	86-30-6	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
n-Nitrosopiperidine	03	100-75-4	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
o+m+p-Cresols	03	1319-77-3	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
o-Cresol	03	95-48-7	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	03	60-11-7	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
p-Chloro-m-cresol	03	59-50-7	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	03	82-68-8	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Pentachlorophenol	03	87-86-5	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Phenacetin	03	62-44-2	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Phenanthrene	03	85-01-8	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Phenol	03	108-95-2	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Pronamide	03	23950-58-5	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Pyrene	03	129-00-0	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Pyridine	03	110-86-1	SW8270E	12/20/2023 15:00	12/22/2023 19:36	BLOD		403	403	4	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*03*	*66.1 %*	*15-96*	*12/20/2023 15:00*	*12/22/2023 19:36*							

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-31** **Laboratory Sample ID:** **23L1137-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*03*		*71.2 %*	*19-105*	*12/20/2023 15:00*	*12/22/2023 19:36*						
Surr: 2-Fluorophenol (Surr)	*03*		*68.8 %*	*12-95*	*12/20/2023 15:00*	*12/22/2023 19:36*						
Surr: Nitrobenzene-d5 (Surr)	*03*		*67.8 %*	*21-100*	*12/20/2023 15:00*	*12/22/2023 19:36*						
Surr: Phenol-d5 (Surr)	*03*		*75.4 %*	*13-100*	*12/20/2023 15:00*	*12/22/2023 19:36*						
Surr: p-Terphenyl-d14 (Surr)	*03*		*68.9 %*	*25-125*	*12/20/2023 15:00*	*12/22/2023 19:36*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Ion Chromatography Analyses												
Sulfate	03	14808-79-8	SW9056A	12/20/2023 10:00	12/20/2023 10:00	26.4		3.03	12.1	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	03	7664-41-7	EPA350.1 R2.0	01/02/2024 15:01	01/02/2024 15:01	BLOD		12.1	12.1	1	mg/kg dry	SPH
Chromium, Hexavalent	03	18540-29-9	SW7199	01/02/2024 09:00	01/02/2024 23:50	0.87		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	03	14797-55-8	SW9056A	12/20/2023 10:00	12/20/2023 10:00	1.67	J	1.21	2.43	1	mg/kg dry	ATG
Percent Solids	03	NA	SM2540G-2011	12/22/2023 11:45	12/22/2023 11:45	82.4		0.10	0.10	1	%	KJM

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Client Sample ID: **SC-42** **Laboratory Sample ID:** **23L1137-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	04	7440-22-4	SW6020B	12/20/2023 12:30	01/03/2024 09:40	125		2.97	2.97	1	ug/kg dry	AB
Arsenic	04	7440-38-2	SW6020B	12/20/2023 12:30	01/03/2024 09:40	1730		59.5	59.5	1	ug/kg dry	AB
Barium	04RE1	7440-39-3	SW6020B	12/20/2023 12:30	01/03/2024 10:42	123000		59500	59500	100	ug/kg dry	AB
Beryllium	04	7440-41-7	SW6020B	12/20/2023 12:30	01/03/2024 09:40	368		59.5	59.5	1	ug/kg dry	AB
Cadmium	04	7440-43-9	SW6020B	12/20/2023 12:30	01/03/2024 09:40	528		59.5	59.5	1	ug/kg dry	AB
Cobalt	04	7440-48-4	SW6020B	12/20/2023 12:30	01/03/2024 09:40	14100		59.5	59.5	1	ug/kg dry	AB
Chromium	04RE1	7440-47-3	SW6020B	12/20/2023 12:30	01/03/2024 10:42	54000		5950	5950	100	ug/kg dry	AB
Copper	04RE1	7440-50-8	SW6020B	12/20/2023 12:30	01/03/2024 10:42	55900		5950	5950	100	ug/kg dry	AB
Mercury	04	7439-97-6	SW7471B	12/20/2023 13:25	12/20/2023 14:27	0.052		0.009	0.009	1	mg/kg dry	SGT
Manganese	04RE1	7439-96-5	SW6020B	12/20/2023 12:30	01/03/2024 10:42	442000		5950	5950	100	ug/kg dry	AB
Nickel	04	7440-02-0	SW6020B	12/20/2023 12:30	01/03/2024 09:40	20000		59.5	59.5	1	ug/kg dry	AB
Lead	04RE1	7439-92-1	SW6020B	12/20/2023 12:30	01/03/2024 10:42	119000		5950	5950	100	ug/kg dry	AB
Antimony	04	7440-36-0	SW6020B	12/20/2023 12:30	01/03/2024 09:40	270		59.5	59.5	1	ug/kg dry	AB
Selenium	04	7782-49-2	SW6020B	12/20/2023 12:30	01/03/2024 09:40	2670		59.5	59.5	1	ug/kg dry	AB
Thallium	04	7440-28-0	SW6020B	12/20/2023 12:30	01/03/2024 09:40	84.9		59.5	59.5	1	ug/kg dry	AB
Vanadium	04RE1	7440-62-2	SW6020B	12/20/2023 12:30	01/03/2024 10:42	68000		29700	29700	100	ug/kg dry	AB
Zinc	04RE1	7440-66-6	SW6020B	12/20/2023 12:30	01/03/2024 10:42	200000		29700	29700	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	04	630-20-6	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,1,1-Trichloroethane	04	71-55-6	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	04	79-34-5	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,1,2-Trichloroethane	04	79-00-5	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,1-Dichloroethane	04	75-34-3	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,1-Dichloroethylene	04	75-35-4	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB

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Client Sample ID: **SC-42** **Laboratory Sample ID:** **23L1137-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	04	563-58-6	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	04	87-61-6	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,2,3-Trichloropropane	04	96-18-4	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	04	120-82-1	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	04	95-63-6	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	04	96-12-8	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	04	106-93-4	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,2-Dichlorobenzene	04	95-50-1	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,2-Dichloroethane	04	107-06-2	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,2-Dichloropropane	04	78-87-5	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	04	108-67-8	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,3-Dichlorobenzene	04	541-73-1	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,3-Dichloropropane	04	142-28-9	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
1,4-Dichlorobenzene	04	106-46-7	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
2,2-Dichloropropane	04	594-20-7	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
2-Butanone (MEK)	04	78-93-3	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
2-Chlorotoluene	04	95-49-8	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
2-Hexanone (MBK)	04	591-78-6	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
4-Chlorotoluene	04	106-43-4	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
4-Isopropyltoluene	04	99-87-6	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	04	108-10-1	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
Acetone	04	67-64-1	SW8260D	12/20/2023 14:11	12/20/2023 14:11	57.7		10.6	10.6	1	ug/kg dry	RJB
Benzene	04	71-43-2	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
Bromobenzene	04	108-86-1	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	04	74-97-5	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
Bromodichloromethane	04	75-27-4	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
Bromoform	04	75-25-2	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD	C	5.30	5.30	1	ug/kg dry	RJB
Bromomethane	04	74-83-9	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
Carbon disulfide	04	75-15-0	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
Carbon tetrachloride	04	56-23-5	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
Chlorobenzene	04	108-90-7	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
Chloroethane	04	75-00-3	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
Chloroform	04	67-66-3	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
Chloromethane	04	74-87-3	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	04	156-59-2	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	04	10061-01-5	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
Dibromochloromethane	04	124-48-1	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
Dibromomethane	04	74-95-3	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
Dichlorodifluoromethane	04	75-71-8	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	04	108-20-3	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
Ethylbenzene	04	100-41-4	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
Hexachlorobutadiene	04	87-68-3	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
Iodomethane	04	74-88-4	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		10.6	10.6	1	ug/kg dry	RJB
Isopropylbenzene	04	98-82-8	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
m+p-Xylenes	04	179601-23-1	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
Methylene chloride	04	75-09-2	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	04	1634-04-4	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	04	91-20-3	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
n-Butylbenzene	04	104-51-8	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
n-Propylbenzene	04	103-65-1	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
o-Xylene	04	95-47-6	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
sec-Butylbenzene	04	135-98-8	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
Styrene	04	100-42-5	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
tert-Butylbenzene	04	98-06-6	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	04	127-18-4	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
Toluene	04	108-88-3	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	04	156-60-5	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	04	10061-02-6	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
Trichloroethylene	04	79-01-6	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
Trichlorofluoromethane	04	75-69-4	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
Vinyl acetate	04	108-05-4	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	10.6	1	ug/kg dry	RJB
Vinyl chloride	04	75-01-4	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		5.30	5.30	1	ug/kg dry	RJB
Xylenes, Total	04	1330-20-7	SW8260D	12/20/2023 14:11	12/20/2023 14:11	BLOD		15.9	15.9	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*04*		*114 %*	*80-120*	*12/20/2023 14:11*	*12/20/2023 14:11*						
Surr: 4-Bromofluorobenzene (Surr)	*04*		*94.8 %*	*85-120*	*12/20/2023 14:11*	*12/20/2023 14:11*						
Surr: Dibromofluoromethane (Surr)	*04*		*107 %*	*80-130*	*12/20/2023 14:11*	*12/20/2023 14:11*						
Surr: Toluene-d8 (Surr)	*04*		*101 %*	*85-115*	*12/20/2023 14:11*	*12/20/2023 14:11*						

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Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-42** **Laboratory Sample ID:** **23L1137-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	04	123-91-1	SW8270E SIM	12/20/2023 15:00	12/21/2023 19:53	BLOD		4.03	4.03	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*04*	*168 %*	*35-100*	*12/20/2023 15:00*	*12/21/2023 19:53*							*S*
1,2,4,5-Tetrachlorobenzene	04	95-94-3	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
1,2,4-Trichlorobenzene	04	120-82-1	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
1,2-Dichlorobenzene	04	95-50-1	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
1,2-Diphenylhydrazine	04	122-66-7	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
1,3-Dichlorobenzene	04	541-73-1	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
1,3-Dinitrobenzene	04	99-65-0	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
1,4-Dichlorobenzene	04	106-46-7	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
1-Chloronaphthalene	04	90-13-1	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
1-Naphthylamine	04	134-32-7	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	04	58-90-2	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
2,4,5-Trichlorophenol	04	95-95-4	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
2,4,6-Trichlorophenol	04	88-06-2	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
2,4-Dichlorophenol	04	120-83-2	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
2,4-Dimethylphenol	04	105-67-9	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
2,4-Dinitrophenol	04	51-28-5	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
2,4-Dinitrotoluene	04	121-14-2	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
2,6-Dichlorophenol	04	87-65-0	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
2,6-Dinitrotoluene	04	606-20-2	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
2-Chloronaphthalene	04	91-58-7	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
2-Chlorophenol	04	95-57-8	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
2-Methylnaphthalene	04	91-57-6	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	04	91-59-8	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
2-Nitroaniline	04	88-74-4	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
2-Nitrophenol	04	88-75-5	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
3,3'-Dichlorobenzidine	04	91-94-1	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
3-Methylcholanthrene	04	56-49-5	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
3-Nitroaniline	04	99-09-2	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	04	534-52-1	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
4-Aminobiphenyl	04	92-67-1	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
4-Bromophenyl phenyl ether	04	101-55-3	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
4-Chloroaniline	04	106-47-8	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	04	7005-72-3	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
4-Nitroaniline	04	100-01-6	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
4-Nitrophenol	04	100-02-7	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	04	57-97-6	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Acenaphthene	04	83-32-9	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Acenaphthylene	04	208-96-8	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Acetophenone	04	98-86-2	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Aniline	04	62-53-3	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Anthracene	04	120-12-7	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Benzidine	04	92-87-5	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Benzo (a) anthracene	04	56-55-3	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Benzo (a) pyrene	04	50-32-8	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Benzo (b) fluoranthene	04	205-99-2	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Benzo (g,h,i) perylene	04	191-24-2	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS

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Client Sample ID: **SC-42** **Laboratory Sample ID:** **23L1137-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	04	207-08-9	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Benzoic acid	04	65-85-0	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Benzyl alcohol	04	100-51-6	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	04	111-91-1	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
bis (2-Chloroethyl) ether	04	111-44-4	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	04	108-60-1	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	04	117-81-7	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Butyl benzyl phthalate	04	85-68-7	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Chrysene	04	218-01-9	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Dibenz (a,h) anthracene	04	53-70-3	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Dibenz (a,j) acridine	04	224-42-0	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Dibenzofuran	04	132-64-9	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Diethyl phthalate	04	84-66-2	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Dimethyl phthalate	04	131-11-3	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Di-n-butyl phthalate	04	84-74-2	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Di-n-octyl phthalate	04	117-84-0	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Diphenylamine	04	122-39-4	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Ethyl methanesulfonate	04	62-50-0	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Fluoranthene	04	206-44-0	SW8270E	12/20/2023 15:00	12/22/2023 20:06	561		403	403	4	ug/kg dry	BMS
Fluorene	04	86-73-7	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Hexachlorobenzene	04	118-74-1	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Hexachlorobutadiene	04	87-68-3	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Hexachlorocyclopentadiene	04	77-47-4	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Hexachloroethane	04	67-72-1	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	04	193-39-5	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Isophorone	04	78-59-1	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
m+p-Cresols	04	1319-77-3	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Methyl methanesulfonate	04	66-27-3	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Naphthalene	04	91-20-3	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Nitrobenzene	04	98-95-3	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
n-Nitrosodimethylamine	04	62-75-9	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	04	924-16-3	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	04	621-64-7	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
n-Nitrosodiphenylamine	04	86-30-6	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
n-Nitrosopiperidine	04	100-75-4	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
o+m+p-Cresols	04	1319-77-3	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
o-Cresol	04	95-48-7	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	04	60-11-7	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
p-Chloro-m-cresol	04	59-50-7	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	04	82-68-8	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Pentachlorophenol	04	87-86-5	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Phenacetin	04	62-44-2	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Phenanthrene	04	85-01-8	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Phenol	04	108-95-2	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Pronamide	04	23950-58-5	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Pyrene	04	129-00-0	SW8270E	12/20/2023 15:00	12/22/2023 20:06	440		403	403	4	ug/kg dry	BMS
Pyridine	04	110-86-1	SW8270E	12/20/2023 15:00	12/22/2023 20:06	BLOD		403	403	4	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*04*		*142 %*	*15-96*	*12/20/2023 15:00*	*12/22/2023 20:06*						*S*

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*04*		*96.7 %*	*19-105*	*12/20/2023 15:00*	*12/22/2023 20:06*						
Surr: 2-Fluorophenol (Surr)	*04*		*131 %*	*12-95*	*12/20/2023 15:00*	*12/22/2023 20:06*						*S*
Surr: Nitrobenzene-d5 (Surr)	*04*		*134 %*	*21-100*	*12/20/2023 15:00*	*12/22/2023 20:06*						*S*
Surr: Phenol-d5 (Surr)	*04*		*142 %*	*13-100*	*12/20/2023 15:00*	*12/22/2023 20:06*						*S*
Surr: p-Terphenyl-d14 (Surr)	*04*		*109 %*	*25-125*	*12/20/2023 15:00*	*12/22/2023 20:06*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Ion Chromatography Analyses												
Sulfate	04	14808-79-8	SW9056A	12/20/2023 10:00	12/20/2023 10:00	8.93	J	3.06	12.3	1	mg/kg dry	ATG

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Client Sample ID: **SC-42** **Laboratory Sample ID:** **23L1137-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	04	7664-41-7	EPA350.1 R2.0	01/02/2024 15:01	01/02/2024 15:01	14.7		11.5	11.5	1	mg/kg dry	SPH
Chromium, Hexavalent	04	18540-29-9	SW7199	01/02/2024 09:00	01/03/2024 00:16	0.92		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	04	14797-55-8	SW9056A	12/20/2023 10:00	12/20/2023 10:00	BLOD		1.23	2.45	1	mg/kg dry	ATG
Percent Solids	04	NA	SM2540G-2011	12/22/2023 11:45	12/22/2023 11:45	81.6		0.10	0.10	1	%	KJM

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Client Sample ID: **SC-43** **Laboratory Sample ID:** **23L1137-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	05	7440-22-4	SW6020B	12/20/2023 12:30	01/03/2024 09:43	19.3		3.11	3.11	1	ug/kg dry	AB
Arsenic	05	7440-38-2	SW6020B	12/20/2023 12:30	01/03/2024 09:43	1550		62.2	62.2	1	ug/kg dry	AB
Barium	05RE1	7440-39-3	SW6020B	12/20/2023 12:30	01/03/2024 10:45	94700		62200	62200	100	ug/kg dry	AB
Beryllium	05	7440-41-7	SW6020B	12/20/2023 12:30	01/03/2024 09:43	371		62.2	62.2	1	ug/kg dry	AB
Cadmium	05	7440-43-9	SW6020B	12/20/2023 12:30	01/03/2024 09:43	115		62.2	62.2	1	ug/kg dry	AB
Cobalt	05	7440-48-4	SW6020B	12/20/2023 12:30	01/03/2024 09:43	21000		62.2	62.2	1	ug/kg dry	AB
Chromium	05	7440-47-3	SW6020B	12/20/2023 12:30	01/03/2024 09:43	11500		62.2	62.2	1	ug/kg dry	AB
Copper	05RE1	7440-50-8	SW6020B	12/20/2023 12:30	01/03/2024 10:45	44900		6220	6220	100	ug/kg dry	AB
Mercury	05	7439-97-6	SW7471B	12/20/2023 13:25	12/20/2023 14:29	0.026		0.010	0.010	1	mg/kg dry	SGT
Manganese	05RE1	7439-96-5	SW6020B	12/20/2023 12:30	01/03/2024 10:45	376000		6220	6220	100	ug/kg dry	AB
Nickel	05	7440-02-0	SW6020B	12/20/2023 12:30	01/03/2024 09:43	6290		62.2	62.2	1	ug/kg dry	AB
Lead	05	7439-92-1	SW6020B	12/20/2023 12:30	01/03/2024 09:43	19900		62.2	62.2	1	ug/kg dry	AB
Antimony	05	7440-36-0	SW6020B	12/20/2023 12:30	01/03/2024 09:43	121		62.2	62.2	1	ug/kg dry	AB
Selenium	05	7782-49-2	SW6020B	12/20/2023 12:30	01/03/2024 09:43	3500		62.2	62.2	1	ug/kg dry	AB
Thallium	05	7440-28-0	SW6020B	12/20/2023 12:30	01/03/2024 09:43	BLOD		62.2	62.2	1	ug/kg dry	AB
Vanadium	05RE1	7440-62-2	SW6020B	12/20/2023 12:30	01/03/2024 10:45	71700		31100	31100	100	ug/kg dry	AB
Zinc	05RE1	7440-66-6	SW6020B	12/20/2023 12:30	01/03/2024 10:45	73000		31100	31100	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	05	630-20-6	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
1,1,1-Trichloroethane	05	71-55-6	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	05	79-34-5	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
1,1,2-Trichloroethane	05	79-00-5	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
1,1-Dichloroethane	05	75-34-3	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
1,1-Dichloroethylene	05	75-35-4	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-43** **Laboratory Sample ID:** **23L1137-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	05	563-58-6	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	05	87-61-6	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
1,2,3-Trichloropropane	05	96-18-4	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	05	120-82-1	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	05	95-63-6	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	05	96-12-8	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	05	106-93-4	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
1,2-Dichlorobenzene	05	95-50-1	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
1,2-Dichloroethane	05	107-06-2	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
1,2-Dichloropropane	05	78-87-5	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	05	108-67-8	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
1,3-Dichlorobenzene	05	541-73-1	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
1,3-Dichloropropane	05	142-28-9	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
1,4-Dichlorobenzene	05	106-46-7	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
2,2-Dichloropropane	05	594-20-7	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
2-Butanone (MEK)	05	78-93-3	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
2-Chlorotoluene	05	95-49-8	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
2-Hexanone (MBK)	05	591-78-6	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
4-Chlorotoluene	05	106-43-4	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
4-Isopropyltoluene	05	99-87-6	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	05	108-10-1	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
Acetone	05	67-64-1	SW8260D	12/20/2023 14:34	12/20/2023 14:34	45.4		10.8	10.8	1	ug/kg dry	RJB
Benzene	05	71-43-2	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
Bromobenzene	05	108-86-1	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB

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Client Sample ID: **SC-43** **Laboratory Sample ID:** **23L1137-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	05	74-97-5	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
Bromodichloromethane	05	75-27-4	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
Bromoform	05	75-25-2	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD	C	5.38	5.38	1	ug/kg dry	RJB
Bromomethane	05	74-83-9	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
Carbon disulfide	05	75-15-0	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
Carbon tetrachloride	05	56-23-5	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
Chlorobenzene	05	108-90-7	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
Chloroethane	05	75-00-3	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
Chloroform	05	67-66-3	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
Chloromethane	05	74-87-3	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	05	156-59-2	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	05	10061-01-5	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
Dibromochloromethane	05	124-48-1	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
Dibromomethane	05	74-95-3	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
Dichlorodifluoromethane	05	75-71-8	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	05	108-20-3	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
Ethylbenzene	05	100-41-4	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
Hexachlorobutadiene	05	87-68-3	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
Iodomethane	05	74-88-4	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		10.8	10.8	1	ug/kg dry	RJB
Isopropylbenzene	05	98-82-8	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
m+p-Xylenes	05	179601-23-1	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
Methylene chloride	05	75-09-2	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	05	1634-04-4	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB

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Client Sample ID: **SC-43** **Laboratory Sample ID:** **23L1137-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	05	91-20-3	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
n-Butylbenzene	05	104-51-8	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
n-Propylbenzene	05	103-65-1	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
o-Xylene	05	95-47-6	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
sec-Butylbenzene	05	135-98-8	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
Styrene	05	100-42-5	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
tert-Butylbenzene	05	98-06-6	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	05	127-18-4	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
Toluene	05	108-88-3	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	05	156-60-5	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	05	10061-02-6	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
Trichloroethylene	05	79-01-6	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
Trichlorofluoromethane	05	75-69-4	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
Vinyl acetate	05	108-05-4	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	10.8	1	ug/kg dry	RJB
Vinyl chloride	05	75-01-4	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		5.38	5.38	1	ug/kg dry	RJB
Xylenes, Total	05	1330-20-7	SW8260D	12/20/2023 14:34	12/20/2023 14:34	BLOD		16.1	16.1	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*05*		*112 %*	*80-120*	*12/20/2023 14:34*	*12/20/2023 14:34*						
Surr: 4-Bromofluorobenzene (Surr)	*05*		*95.9 %*	*85-120*	*12/20/2023 14:34*	*12/20/2023 14:34*						
Surr: Dibromofluoromethane (Surr)	*05*		*108 %*	*80-130*	*12/20/2023 14:34*	*12/20/2023 14:34*						
Surr: Toluene-d8 (Surr)	*05*		*102 %*	*85-115*	*12/20/2023 14:34*	*12/20/2023 14:34*						

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Client Sample ID: **SC-43** **Laboratory Sample ID:** **23L1137-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	05	123-91-1	SW8270E SIM	12/20/2023 15:00	12/21/2023 20:20	BLOD		4.18	4.18	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*05*	*64.1 %*	*35-100*	*12/20/2023 15:00*	*12/21/2023 20:20*							
1,2,4,5-Tetrachlorobenzene	05	95-94-3	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
1,2,4-Trichlorobenzene	05	120-82-1	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
1,2-Dichlorobenzene	05	95-50-1	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
1,2-Diphenylhydrazine	05	122-66-7	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
1,3-Dichlorobenzene	05	541-73-1	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
1,3-Dinitrobenzene	05	99-65-0	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
1,4-Dichlorobenzene	05	106-46-7	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
1-Chloronaphthalene	05	90-13-1	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
1-Naphthylamine	05	134-32-7	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	05	58-90-2	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
2,4,5-Trichlorophenol	05	95-95-4	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
2,4,6-Trichlorophenol	05	88-06-2	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
2,4-Dichlorophenol	05	120-83-2	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
2,4-Dimethylphenol	05	105-67-9	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
2,4-Dinitrophenol	05	51-28-5	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
2,4-Dinitrotoluene	05	121-14-2	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
2,6-Dichlorophenol	05	87-65-0	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
2,6-Dinitrotoluene	05	606-20-2	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
2-Chloronaphthalene	05	91-58-7	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
2-Chlorophenol	05	95-57-8	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
2-Methylnaphthalene	05	91-57-6	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-43** **Laboratory Sample ID:** **23L1137-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	05	91-59-8	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
2-Nitroaniline	05	88-74-4	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
2-Nitrophenol	05	88-75-5	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
3,3'-Dichlorobenzidine	05	91-94-1	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
3-Methylcholanthrene	05	56-49-5	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
3-Nitroaniline	05	99-09-2	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	05	534-52-1	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
4-Aminobiphenyl	05	92-67-1	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
4-Bromophenyl phenyl ether	05	101-55-3	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
4-Chloroaniline	05	106-47-8	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	05	7005-72-3	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
4-Nitroaniline	05	100-01-6	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
4-Nitrophenol	05	100-02-7	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	05	57-97-6	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Acenaphthene	05	83-32-9	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Acenaphthylene	05	208-96-8	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Acetophenone	05	98-86-2	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Aniline	05	62-53-3	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Anthracene	05	120-12-7	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Benzidine	05	92-87-5	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Benzo (a) anthracene	05	56-55-3	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Benzo (a) pyrene	05	50-32-8	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Benzo (b) fluoranthene	05	205-99-2	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Benzo (g,h,i) perylene	05	191-24-2	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS

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Client Sample ID: **SC-43** **Laboratory Sample ID:** **23L1137-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	05	207-08-9	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Benzoic acid	05	65-85-0	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Benzyl alcohol	05	100-51-6	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	05	111-91-1	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
bis (2-Chloroethyl) ether	05	111-44-4	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	05	108-60-1	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	05	117-81-7	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Butyl benzyl phthalate	05	85-68-7	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Chrysene	05	218-01-9	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Dibenz (a,h) anthracene	05	53-70-3	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Dibenz (a,j) acridine	05	224-42-0	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Dibenzofuran	05	132-64-9	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Diethyl phthalate	05	84-66-2	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Dimethyl phthalate	05	131-11-3	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Di-n-butyl phthalate	05	84-74-2	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Di-n-octyl phthalate	05	117-84-0	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Diphenylamine	05	122-39-4	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Ethyl methanesulfonate	05	62-50-0	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Fluoranthene	05	206-44-0	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Fluorene	05	86-73-7	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Hexachlorobenzene	05	118-74-1	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Hexachlorobutadiene	05	87-68-3	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Hexachlorocyclopentadiene	05	77-47-4	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Hexachloroethane	05	67-72-1	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS

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Client Sample ID: **SC-43** **Laboratory Sample ID:** **23L1137-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	05	193-39-5	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Isophorone	05	78-59-1	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
m+p-Cresols	05	1319-77-3	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Methyl methanesulfonate	05	66-27-3	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Naphthalene	05	91-20-3	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Nitrobenzene	05	98-95-3	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
n-Nitrosodimethylamine	05	62-75-9	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	05	924-16-3	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	05	621-64-7	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
n-Nitrosodiphenylamine	05	86-30-6	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
n-Nitrosopiperidine	05	100-75-4	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
o+m+p-Cresols	05	1319-77-3	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
o-Cresol	05	95-48-7	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	05	60-11-7	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
p-Chloro-m-cresol	05	59-50-7	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	05	82-68-8	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Pentachlorophenol	05	87-86-5	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Phenacetin	05	62-44-2	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Phenanthrene	05	85-01-8	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Phenol	05	108-95-2	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Pronamide	05	23950-58-5	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Pyrene	05	129-00-0	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Pyridine	05	110-86-1	SW8270E	12/20/2023 15:00	12/22/2023 20:35	BLOD		105	105	1	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*05*		*62.9 %*	*15-96*	*12/20/2023 15:00*	*12/22/2023 20:35*						

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Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*05*		*41.4 %*	*19-105*	*12/20/2023 15:00*	*12/22/2023 20:35*						
Surr: 2-Fluorophenol (Surr)	*05*		*54.2 %*	*12-95*	*12/20/2023 15:00*	*12/22/2023 20:35*						
Surr: Nitrobenzene-d5 (Surr)	*05*		*56.0 %*	*21-100*	*12/20/2023 15:00*	*12/22/2023 20:35*						
Surr: Phenol-d5 (Surr)	*05*		*55.9 %*	*13-100*	*12/20/2023 15:00*	*12/22/2023 20:35*						
Surr: p-Terphenyl-d14 (Surr)	*05*		*50.8 %*	*25-125*	*12/20/2023 15:00*	*12/22/2023 20:35*						

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Ion Chromatography Analyses												
Sulfate	05	14808-79-8	SW9056A	12/20/2023 10:00	12/20/2023 10:00	8.16	J	3.16	12.6	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	05	7664-41-7	EPA350.1 R2.0	01/02/2024 15:01	01/02/2024 15:01	BLOD		12.4	12.4	1	mg/kg dry	SPH
Chromium, Hexavalent	05	18540-29-9	SW7199	01/02/2024 09:00	01/03/2024 00:43	BLOD		0.25	0.25	1	mg/kg dry	MGC
Nitrate as N	05	14797-55-8	SW9056A	12/20/2023 10:00	12/20/2023 10:00	5.41		1.26	2.53	1	mg/kg dry	ATG
Percent Solids	05	NA	SM2540G-2011	12/22/2023 11:45	12/22/2023 11:45	79.1		0.10	0.10	1	%	KJM

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Client Sample ID: **SC-30** **Laboratory Sample ID:** **23L1137-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	06	7440-22-4	SW6020B	12/20/2023 12:30	01/03/2024 09:46	205		2.96	2.96	1	ug/kg dry	AB
Arsenic	06	7440-38-2	SW6020B	12/20/2023 12:30	01/03/2024 09:46	3160		59.3	59.3	1	ug/kg dry	AB
Barium	06RE1	7440-39-3	SW6020B	12/20/2023 12:30	01/03/2024 10:49	95400		59300	59300	100	ug/kg dry	AB
Beryllium	06	7440-41-7	SW6020B	12/20/2023 12:30	01/03/2024 09:46	422		59.3	59.3	1	ug/kg dry	AB
Cadmium	06	7440-43-9	SW6020B	12/20/2023 12:30	01/03/2024 09:46	280		59.3	59.3	1	ug/kg dry	AB
Cobalt	06	7440-48-4	SW6020B	12/20/2023 12:30	01/03/2024 09:46	16500		59.3	59.3	1	ug/kg dry	AB
Chromium	06RE1	7440-47-3	SW6020B	12/20/2023 12:30	01/03/2024 10:49	66100		5930	5930	100	ug/kg dry	AB
Copper	06RE1	7440-50-8	SW6020B	12/20/2023 12:30	01/03/2024 10:49	84500		5930	5930	100	ug/kg dry	AB
Mercury	06RE1	7439-97-6	SW7471B	12/20/2023 13:25	12/20/2023 15:01	0.733		0.038	0.038	4	mg/kg dry	SGT
Manganese	06RE1	7439-96-5	SW6020B	12/20/2023 12:30	01/03/2024 10:49	453000		5930	5930	100	ug/kg dry	AB
Nickel	06	7440-02-0	SW6020B	12/20/2023 12:30	01/03/2024 09:46	25400		59.3	59.3	1	ug/kg dry	AB
Lead	06RE1	7439-92-1	SW6020B	12/20/2023 12:30	01/03/2024 10:49	99200		5930	5930	100	ug/kg dry	AB
Antimony	06	7440-36-0	SW6020B	12/20/2023 12:30	01/03/2024 09:46	193		59.3	59.3	1	ug/kg dry	AB
Selenium	06	7782-49-2	SW6020B	12/20/2023 12:30	01/03/2024 09:46	2340		59.3	59.3	1	ug/kg dry	AB
Thallium	06	7440-28-0	SW6020B	12/20/2023 12:30	01/03/2024 09:46	96.9		59.3	59.3	1	ug/kg dry	AB
Vanadium	06RE1	7440-62-2	SW6020B	12/20/2023 12:30	01/03/2024 10:49	77600		29600	29600	100	ug/kg dry	AB
Zinc	06RE1	7440-66-6	SW6020B	12/20/2023 12:30	01/03/2024 10:49	117000		29600	29600	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	06	630-20-6	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
1,1,1-Trichloroethane	06	71-55-6	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	06	79-34-5	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
1,1,2-Trichloroethane	06	79-00-5	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
1,1-Dichloroethane	06	75-34-3	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
1,1-Dichloroethylene	06	75-35-4	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-30** **Laboratory Sample ID:** **23L1137-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	06	563-58-6	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	06	87-61-6	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
1,2,3-Trichloropropane	06	96-18-4	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	06	120-82-1	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	06	95-63-6	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	06	96-12-8	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	06	106-93-4	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
1,2-Dichlorobenzene	06	95-50-1	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
1,2-Dichloroethane	06	107-06-2	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
1,2-Dichloropropane	06	78-87-5	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	06	108-67-8	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
1,3-Dichlorobenzene	06	541-73-1	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
1,3-Dichloropropane	06	142-28-9	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
1,4-Dichlorobenzene	06	106-46-7	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
2,2-Dichloropropane	06	594-20-7	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
2-Butanone (MEK)	06	78-93-3	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
2-Chlorotoluene	06	95-49-8	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
2-Hexanone (MBK)	06	591-78-6	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
4-Chlorotoluene	06	106-43-4	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
4-Isopropyltoluene	06	99-87-6	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	06	108-10-1	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
Acetone	06	67-64-1	SW8260D	12/20/2023 14:57	12/20/2023 14:57	84.4		12.3	12.3	1	ug/kg dry	RJB
Benzene	06	71-43-2	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
Bromobenzene	06	108-86-1	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB

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Client Sample ID: **SC-30** **Laboratory Sample ID:** **23L1137-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	06	74-97-5	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
Bromodichloromethane	06	75-27-4	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
Bromoform	06	75-25-2	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD	C	6.14	6.14	1	ug/kg dry	RJB
Bromomethane	06	74-83-9	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
Carbon disulfide	06	75-15-0	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
Carbon tetrachloride	06	56-23-5	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
Chlorobenzene	06	108-90-7	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
Chloroethane	06	75-00-3	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
Chloroform	06	67-66-3	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
Chloromethane	06	74-87-3	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	06	156-59-2	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	06	10061-01-5	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
Dibromochloromethane	06	124-48-1	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
Dibromomethane	06	74-95-3	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
Dichlorodifluoromethane	06	75-71-8	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	06	108-20-3	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
Ethylbenzene	06	100-41-4	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
Hexachlorobutadiene	06	87-68-3	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
Iodomethane	06	74-88-4	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		12.3	12.3	1	ug/kg dry	RJB
Isopropylbenzene	06	98-82-8	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
m+p-Xylenes	06	179601-23-1	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
Methylene chloride	06	75-09-2	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	06	1634-04-4	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB

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Client Sample ID: **SC-30** **Laboratory Sample ID:** **23L1137-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	06	91-20-3	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
n-Butylbenzene	06	104-51-8	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
n-Propylbenzene	06	103-65-1	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
o-Xylene	06	95-47-6	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
sec-Butylbenzene	06	135-98-8	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
Styrene	06	100-42-5	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
tert-Butylbenzene	06	98-06-6	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	06	127-18-4	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
Toluene	06	108-88-3	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	06	156-60-5	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	06	10061-02-6	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
Trichloroethylene	06	79-01-6	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
Trichlorofluoromethane	06	75-69-4	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
Vinyl acetate	06	108-05-4	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	12.3	1	ug/kg dry	RJB
Vinyl chloride	06	75-01-4	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		6.14	6.14	1	ug/kg dry	RJB
Xylenes, Total	06	1330-20-7	SW8260D	12/20/2023 14:57	12/20/2023 14:57	BLOD		18.4	18.4	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*06*	*116 %*	*80-120*	*12/20/2023 14:57*	*12/20/2023 14:57*							
Surr: 4-Bromofluorobenzene (Surr)	*06*	*95.5 %*	*85-120*	*12/20/2023 14:57*	*12/20/2023 14:57*							
Surr: Dibromofluoromethane (Surr)	*06*	*109 %*	*80-130*	*12/20/2023 14:57*	*12/20/2023 14:57*							
Surr: Toluene-d8 (Surr)	*06*	*102 %*	*85-115*	*12/20/2023 14:57*	*12/20/2023 14:57*							

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Client Sample ID: **SC-30** **Laboratory Sample ID:** **23L1137-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	06	123-91-1	SW8270E SIM	12/20/2023 15:00	12/21/2023 20:47	BLOD		4.08	4.08	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*06*	*69.7 %*	*35-100*	*12/20/2023 15:00*	*12/21/2023 20:47*							
1,2,4,5-Tetrachlorobenzene	06	95-94-3	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
1,2,4-Trichlorobenzene	06	120-82-1	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
1,2-Dichlorobenzene	06	95-50-1	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
1,2-Diphenylhydrazine	06	122-66-7	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
1,3-Dichlorobenzene	06	541-73-1	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
1,3-Dinitrobenzene	06	99-65-0	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
1,4-Dichlorobenzene	06	106-46-7	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
1-Chloronaphthalene	06	90-13-1	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
1-Naphthylamine	06	134-32-7	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	06	58-90-2	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
2,4,5-Trichlorophenol	06	95-95-4	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
2,4,6-Trichlorophenol	06	88-06-2	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
2,4-Dichlorophenol	06	120-83-2	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
2,4-Dimethylphenol	06	105-67-9	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
2,4-Dinitrophenol	06	51-28-5	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
2,4-Dinitrotoluene	06	121-14-2	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
2,6-Dichlorophenol	06	87-65-0	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
2,6-Dinitrotoluene	06	606-20-2	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
2-Chloronaphthalene	06	91-58-7	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
2-Chlorophenol	06	95-57-8	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
2-Methylnaphthalene	06	91-57-6	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	06	91-59-8	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
2-Nitroaniline	06	88-74-4	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
2-Nitrophenol	06	88-75-5	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
3,3'-Dichlorobenzidine	06	91-94-1	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
3-Methylcholanthrene	06	56-49-5	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
3-Nitroaniline	06	99-09-2	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	06	534-52-1	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
4-Aminobiphenyl	06	92-67-1	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
4-Bromophenyl phenyl ether	06	101-55-3	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
4-Chloroaniline	06	106-47-8	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	06	7005-72-3	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
4-Nitroaniline	06	100-01-6	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
4-Nitrophenol	06	100-02-7	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	06	57-97-6	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Acenaphthene	06	83-32-9	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Acenaphthylene	06	208-96-8	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Acetophenone	06	98-86-2	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Aniline	06	62-53-3	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Anthracene	06	120-12-7	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Benzidine	06	92-87-5	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Benzo (a) anthracene	06	56-55-3	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Benzo (a) pyrene	06	50-32-8	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Benzo (b) fluoranthene	06	205-99-2	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Benzo (g,h,i) perylene	06	191-24-2	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-30 **Laboratory Sample ID:** 23L1137-06

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	06	207-08-9	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Benzoic acid	06	65-85-0	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Benzyl alcohol	06	100-51-6	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	06	111-91-1	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
bis (2-Chloroethyl) ether	06	111-44-4	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	06	108-60-1	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	06	117-81-7	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Butyl benzyl phthalate	06	85-68-7	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Chrysene	06	218-01-9	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Dibenz (a,h) anthracene	06	53-70-3	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Dibenz (a,j) acridine	06	224-42-0	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Dibenzofuran	06	132-64-9	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Diethyl phthalate	06	84-66-2	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Dimethyl phthalate	06	131-11-3	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Di-n-butyl phthalate	06	84-74-2	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Di-n-octyl phthalate	06	117-84-0	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Diphenylamine	06	122-39-4	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Ethyl methanesulfonate	06	62-50-0	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Fluoranthene	06	206-44-0	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Fluorene	06	86-73-7	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Hexachlorobenzene	06	118-74-1	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Hexachlorobutadiene	06	87-68-3	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Hexachlorocyclopentadiene	06	77-47-4	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Hexachloroethane	06	67-72-1	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS

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Client Sample ID: **SC-30** **Laboratory Sample ID:** **23L1137-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	06	193-39-5	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Isophorone	06	78-59-1	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
m+p-Cresols	06	1319-77-3	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Methyl methanesulfonate	06	66-27-3	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Naphthalene	06	91-20-3	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Nitrobenzene	06	98-95-3	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
n-Nitrosodimethylamine	06	62-75-9	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	06	924-16-3	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	06	621-64-7	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
n-Nitrosodiphenylamine	06	86-30-6	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
n-Nitrosopiperidine	06	100-75-4	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
o+m+p-Cresols	06	1319-77-3	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
o-Cresol	06	95-48-7	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	06	60-11-7	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
p-Chloro-m-cresol	06	59-50-7	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	06	82-68-8	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Pentachlorophenol	06	87-86-5	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Phenacetin	06	62-44-2	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Phenanthrene	06	85-01-8	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Phenol	06	108-95-2	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Pronamide	06	23950-58-5	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Pyrene	06	129-00-0	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Pyridine	06	110-86-1	SW8270E	12/20/2023 15:00	12/22/2023 21:05	BLOD		408	408	4	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*06*	*99.2 %*	*15-96*	*12/20/2023 15:00*	*12/22/2023 21:05*							*S*

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Client Sample ID: **SC-30** **Laboratory Sample ID:** **23L1137-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*06*		*84.8 %*	*19-105*	*12/20/2023 15:00*	*12/22/2023 21:05*						
Surr: 2-Fluorophenol (Surr)	*06*		*59.2 %*	*12-95*	*12/20/2023 15:00*	*12/22/2023 21:05*						
Surr: Nitrobenzene-d5 (Surr)	*06*		*60.3 %*	*21-100*	*12/20/2023 15:00*	*12/22/2023 21:05*						
Surr: Phenol-d5 (Surr)	*06*		*64.1 %*	*13-100*	*12/20/2023 15:00*	*12/22/2023 21:05*						
Surr: p-Terphenyl-d14 (Surr)	*06*		*63.0 %*	*25-125*	*12/20/2023 15:00*	*12/22/2023 21:05*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	06	14808-79-8	SW9056A	12/20/2023 10:00	12/20/2023 10:00	20.2		3.07	12.3	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	06	7664-41-7	EPA350.1 R2.0	01/02/2024 15:01	01/02/2024 15:01	BLOD		11.3	11.3	1	mg/kg dry	SPH
Chromium, Hexavalent	06	18540-29-9	SW7199	01/02/2024 09:00	01/03/2024 01:10	0.74		0.25	0.25	1	mg/kg dry	MGC
Nitrate as N	06	14797-55-8	SW9056A	12/20/2023 10:00	12/20/2023 10:00	4.41		1.23	2.46	1	mg/kg dry	ATG
Percent Solids	06	NA	SM2540G-2011	12/22/2023 11:45	12/22/2023 11:45	81.3		0.10	0.10	1	%	KJM

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Client Sample ID: **SC-41** **Laboratory Sample ID:** **23L1137-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	07	7440-22-4	SW6020B	12/20/2023 12:30	01/03/2024 09:50	137		2.90	2.90	1	ug/kg dry	AB
Arsenic	07	7440-38-2	SW6020B	12/20/2023 12:30	01/03/2024 09:50	3050		58.0	58.0	1	ug/kg dry	AB
Barium	07RE1	7440-39-3	SW6020B	12/20/2023 12:30	01/03/2024 10:52	124000		58000	58000	100	ug/kg dry	AB
Beryllium	07	7440-41-7	SW6020B	12/20/2023 12:30	01/03/2024 09:50	507		58.0	58.0	1	ug/kg dry	AB
Cadmium	07	7440-43-9	SW6020B	12/20/2023 12:30	01/03/2024 09:50	285		58.0	58.0	1	ug/kg dry	AB
Cobalt	07	7440-48-4	SW6020B	12/20/2023 12:30	01/03/2024 09:50	16400		58.0	58.0	1	ug/kg dry	AB
Chromium	07RE1	7440-47-3	SW6020B	12/20/2023 12:30	01/03/2024 10:52	46200		5800	5800	100	ug/kg dry	AB
Copper	07RE1	7440-50-8	SW6020B	12/20/2023 12:30	01/03/2024 10:52	73600		5800	5800	100	ug/kg dry	AB
Mercury	07	7439-97-6	SW7471B	12/20/2023 13:25	12/20/2023 14:34	0.140		0.009	0.009	1	mg/kg dry	SGT
Manganese	07RE1	7439-96-5	SW6020B	12/20/2023 12:30	01/03/2024 10:52	569000		5800	5800	100	ug/kg dry	AB
Nickel	07	7440-02-0	SW6020B	12/20/2023 12:30	01/03/2024 09:50	19300		58.0	58.0	1	ug/kg dry	AB
Lead	07RE1	7439-92-1	SW6020B	12/20/2023 12:30	01/03/2024 10:52	74200		5800	5800	100	ug/kg dry	AB
Antimony	07	7440-36-0	SW6020B	12/20/2023 12:30	01/03/2024 09:50	97.8		58.0	58.0	1	ug/kg dry	AB
Selenium	07	7782-49-2	SW6020B	12/20/2023 12:30	01/03/2024 09:50	2970		58.0	58.0	1	ug/kg dry	AB
Thallium	07	7440-28-0	SW6020B	12/20/2023 12:30	01/03/2024 09:50	88.5		58.0	58.0	1	ug/kg dry	AB
Vanadium	07RE1	7440-62-2	SW6020B	12/20/2023 12:30	01/03/2024 10:52	89200		29000	29000	100	ug/kg dry	AB
Zinc	07RE1	7440-66-6	SW6020B	12/20/2023 12:30	01/03/2024 10:52	141000		29000	29000	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	07	630-20-6	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
1,1,1-Trichloroethane	07	71-55-6	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	07	79-34-5	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
1,1,2-Trichloroethane	07	79-00-5	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
1,1-Dichloroethane	07	75-34-3	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
1,1-Dichloroethylene	07	75-35-4	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB

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Client Sample ID: **SC-41** **Laboratory Sample ID:** **23L1137-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	07	563-58-6	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	07	87-61-6	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
1,2,3-Trichloropropane	07	96-18-4	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	07	120-82-1	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	07	95-63-6	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	07	96-12-8	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	07	106-93-4	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
1,2-Dichlorobenzene	07	95-50-1	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
1,2-Dichloroethane	07	107-06-2	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
1,2-Dichloropropane	07	78-87-5	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	07	108-67-8	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
1,3-Dichlorobenzene	07	541-73-1	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
1,3-Dichloropropane	07	142-28-9	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
1,4-Dichlorobenzene	07	106-46-7	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
2,2-Dichloropropane	07	594-20-7	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
2-Butanone (MEK)	07	78-93-3	SW8260D	12/20/2023 15:21	12/20/2023 15:21	9.21		5.11	5.11	1	ug/kg dry	RJB
2-Chlorotoluene	07	95-49-8	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
2-Hexanone (MBK)	07	591-78-6	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
4-Chlorotoluene	07	106-43-4	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
4-Isopropyltoluene	07	99-87-6	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	07	108-10-1	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
Acetone	07	67-64-1	SW8260D	12/20/2023 15:21	12/20/2023 15:21	211		10.2	10.2	1	ug/kg dry	RJB
Benzene	07	71-43-2	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
Bromobenzene	07	108-86-1	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	07	74-97-5	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
Bromodichloromethane	07	75-27-4	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
Bromoform	07	75-25-2	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD	C	5.11	5.11	1	ug/kg dry	RJB
Bromomethane	07	74-83-9	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
Carbon disulfide	07	75-15-0	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
Carbon tetrachloride	07	56-23-5	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
Chlorobenzene	07	108-90-7	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
Chloroethane	07	75-00-3	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
Chloroform	07	67-66-3	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
Chloromethane	07	74-87-3	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	07	156-59-2	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	07	10061-01-5	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
Dibromochloromethane	07	124-48-1	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
Dibromomethane	07	74-95-3	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
Dichlorodifluoromethane	07	75-71-8	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	07	108-20-3	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
Ethylbenzene	07	100-41-4	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
Hexachlorobutadiene	07	87-68-3	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
Iodomethane	07	74-88-4	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		10.2	10.2	1	ug/kg dry	RJB
Isopropylbenzene	07	98-82-8	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
m+p-Xylenes	07	179601-23-1	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
Methylene chloride	07	75-09-2	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	07	1634-04-4	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-41** **Laboratory Sample ID:** **23L1137-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	07	91-20-3	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
n-Butylbenzene	07	104-51-8	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
n-Propylbenzene	07	103-65-1	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
o-Xylene	07	95-47-6	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
sec-Butylbenzene	07	135-98-8	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
Styrene	07	100-42-5	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
tert-Butylbenzene	07	98-06-6	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	07	127-18-4	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
Toluene	07	108-88-3	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	07	156-60-5	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	07	10061-02-6	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
Trichloroethylene	07	79-01-6	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
Trichlorofluoromethane	07	75-69-4	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
Vinyl acetate	07	108-05-4	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	10.2	1	ug/kg dry	RJB
Vinyl chloride	07	75-01-4	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		5.11	5.11	1	ug/kg dry	RJB
Xylenes, Total	07	1330-20-7	SW8260D	12/20/2023 15:21	12/20/2023 15:21	BLOD		15.3	15.3	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*07*		*114 %*	*80-120*	*12/20/2023 15:21*	*12/20/2023 15:21*						
Surr: 4-Bromofluorobenzene (Surr)	*07*		*88.8 %*	*85-120*	*12/20/2023 15:21*	*12/20/2023 15:21*						
Surr: Dibromofluoromethane (Surr)	*07*		*112 %*	*80-130*	*12/20/2023 15:21*	*12/20/2023 15:21*						
Surr: Toluene-d8 (Surr)	*07*		*99.0 %*	*85-115*	*12/20/2023 15:21*	*12/20/2023 15:21*						

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-41** **Laboratory Sample ID:** **23L1137-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	07	123-91-1	SW8270E SIM	12/20/2023 15:00	12/21/2023 21:14	BLOD		3.87	3.87	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*07*	*76.3 %*	*35-100*	*12/20/2023 15:00*	*12/21/2023 21:14*							
1,2,4,5-Tetrachlorobenzene	07	95-94-3	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
1,2,4-Trichlorobenzene	07	120-82-1	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
1,2-Dichlorobenzene	07	95-50-1	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
1,2-Diphenylhydrazine	07	122-66-7	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
1,3-Dichlorobenzene	07	541-73-1	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
1,3-Dinitrobenzene	07	99-65-0	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
1,4-Dichlorobenzene	07	106-46-7	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
1-Chloronaphthalene	07	90-13-1	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
1-Naphthylamine	07	134-32-7	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	07	58-90-2	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
2,4,5-Trichlorophenol	07	95-95-4	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
2,4,6-Trichlorophenol	07	88-06-2	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
2,4-Dichlorophenol	07	120-83-2	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
2,4-Dimethylphenol	07	105-67-9	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
2,4-Dinitrophenol	07	51-28-5	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
2,4-Dinitrotoluene	07	121-14-2	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
2,6-Dichlorophenol	07	87-65-0	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
2,6-Dinitrotoluene	07	606-20-2	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
2-Chloronaphthalene	07	91-58-7	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
2-Chlorophenol	07	95-57-8	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
2-Methylnaphthalene	07	91-57-6	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	07	91-59-8	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
2-Nitroaniline	07	88-74-4	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
2-Nitrophenol	07	88-75-5	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
3,3'-Dichlorobenzidine	07	91-94-1	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
3-Methylcholanthrene	07	56-49-5	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
3-Nitroaniline	07	99-09-2	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	07	534-52-1	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
4-Aminobiphenyl	07	92-67-1	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
4-Bromophenyl phenyl ether	07	101-55-3	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
4-Chloroaniline	07	106-47-8	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	07	7005-72-3	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
4-Nitroaniline	07	100-01-6	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
4-Nitrophenol	07	100-02-7	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	07	57-97-6	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Acenaphthene	07	83-32-9	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Acenaphthylene	07	208-96-8	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Acetophenone	07	98-86-2	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Aniline	07	62-53-3	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Anthracene	07	120-12-7	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Benzidine	07	92-87-5	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Benzo (a) anthracene	07	56-55-3	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Benzo (a) pyrene	07	50-32-8	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Benzo (b) fluoranthene	07	205-99-2	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Benzo (g,h,i) perylene	07	191-24-2	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	07	207-08-9	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Benzoic acid	07	65-85-0	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Benzyl alcohol	07	100-51-6	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	07	111-91-1	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
bis (2-Chloroethyl) ether	07	111-44-4	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	07	108-60-1	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	07	117-81-7	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Butyl benzyl phthalate	07	85-68-7	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Chrysene	07	218-01-9	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Dibenz (a,h) anthracene	07	53-70-3	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Dibenz (a,j) acridine	07	224-42-0	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Dibenzofuran	07	132-64-9	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Diethyl phthalate	07	84-66-2	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Dimethyl phthalate	07	131-11-3	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Di-n-butyl phthalate	07	84-74-2	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Di-n-octyl phthalate	07	117-84-0	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Diphenylamine	07	122-39-4	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Ethyl methanesulfonate	07	62-50-0	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Fluoranthene	07	206-44-0	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Fluorene	07	86-73-7	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Hexachlorobenzene	07	118-74-1	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Hexachlorobutadiene	07	87-68-3	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Hexachlorocyclopentadiene	07	77-47-4	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Hexachloroethane	07	67-72-1	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS

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Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	07	193-39-5	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Isophorone	07	78-59-1	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
m+p-Cresols	07	1319-77-3	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Methyl methanesulfonate	07	66-27-3	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Naphthalene	07	91-20-3	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Nitrobenzene	07	98-95-3	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
n-Nitrosodimethylamine	07	62-75-9	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	07	924-16-3	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	07	621-64-7	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
n-Nitrosodiphenylamine	07	86-30-6	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
n-Nitrosopiperidine	07	100-75-4	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
o+m+p-Cresols	07	1319-77-3	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
o-Cresol	07	95-48-7	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	07	60-11-7	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
p-Chloro-m-cresol	07	59-50-7	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	07	82-68-8	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Pentachlorophenol	07	87-86-5	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Phenacetin	07	62-44-2	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Phenanthrene	07	85-01-8	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Phenol	07	108-95-2	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Pronamide	07	23950-58-5	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Pyrene	07	129-00-0	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Pyridine	07	110-86-1	SW8270E	12/20/2023 15:00	12/27/2023 18:09	BLOD		968	968	10	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*07*	*43.5 %*	*15-96*	*12/20/2023 15:00*	*12/27/2023 18:09*							

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Client Sample ID: **SC-41** **Laboratory Sample ID:** **23L1137-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*07*		*55.4 %*	*19-105*	*12/20/2023 15:00*	*12/27/2023 18:09*						
Surr: 2-Fluorophenol (Surr)	*07*		*62.6 %*	*12-95*	*12/20/2023 15:00*	*12/27/2023 18:09*						
Surr: Nitrobenzene-d5 (Surr)	*07*		*48.2 %*	*21-100*	*12/20/2023 15:00*	*12/27/2023 18:09*						
Surr: Phenol-d5 (Surr)	*07*		*52.2 %*	*13-100*	*12/20/2023 15:00*	*12/27/2023 18:09*						
Surr: p-Terphenyl-d14 (Surr)	*07*		*50.6 %*	*25-125*	*12/20/2023 15:00*	*12/27/2023 18:09*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	07	14808-79-8	SW9056A	12/20/2023 10:00	12/20/2023 10:00	13.1		2.94	11.8	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	07	7664-41-7	EPA350.1 R2.0	01/02/2024 15:01	01/02/2024 15:01	BLOD		11.5	11.5	1	mg/kg dry	SPH
Chromium, Hexavalent	07	18540-29-9	SW7199	01/02/2024 09:00	01/03/2024 01:36	1.12		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	07	14797-55-8	SW9056A	12/20/2023 10:00	12/20/2023 10:00	1.67	J	1.18	2.35	1	mg/kg dry	ATG
Percent Solids	07	NA	SM2540G-2011	12/22/2023 11:45	12/22/2023 11:45	85.0		0.10	0.10	1	%	KJM

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Client Sample ID: **SC-40** **Laboratory Sample ID:** **23L1137-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	08	7440-22-4	SW6020B	12/20/2023 12:30	01/03/2024 09:53	42.4		2.83	2.83	1	ug/kg dry	AB
Arsenic	08	7440-38-2	SW6020B	12/20/2023 12:30	01/03/2024 09:53	3010		56.7	56.7	1	ug/kg dry	AB
Barium	08RE1	7440-39-3	SW6020B	12/20/2023 12:30	01/03/2024 10:55	96700		56700	56700	100	ug/kg dry	AB
Beryllium	08	7440-41-7	SW6020B	12/20/2023 12:30	01/03/2024 09:53	527		56.7	56.7	1	ug/kg dry	AB
Cadmium	08	7440-43-9	SW6020B	12/20/2023 12:30	01/03/2024 09:53	110		56.7	56.7	1	ug/kg dry	AB
Cobalt	08	7440-48-4	SW6020B	12/20/2023 12:30	01/03/2024 09:53	11400		56.7	56.7	1	ug/kg dry	AB
Chromium	08RE1	7440-47-3	SW6020B	12/20/2023 12:30	01/03/2024 10:55	38600		5670	5670	100	ug/kg dry	AB
Copper	08RE1	7440-50-8	SW6020B	12/20/2023 12:30	01/03/2024 10:55	75500		5670	5670	100	ug/kg dry	AB
Mercury	08	7439-97-6	SW7471B	12/20/2023 13:25	12/20/2023 14:37	0.086		0.010	0.010	1	mg/kg dry	SGT
Manganese	08RE1	7439-96-5	SW6020B	12/20/2023 12:30	01/03/2024 10:55	318000		5670	5670	100	ug/kg dry	AB
Nickel	08	7440-02-0	SW6020B	12/20/2023 12:30	01/03/2024 09:53	12500		56.7	56.7	1	ug/kg dry	AB
Lead	08RE1	7439-92-1	SW6020B	12/20/2023 12:30	01/03/2024 10:55	37500		5670	5670	100	ug/kg dry	AB
Antimony	08	7440-36-0	SW6020B	12/20/2023 12:30	01/03/2024 09:53	BLOD		56.7	56.7	1	ug/kg dry	AB
Selenium	08	7782-49-2	SW6020B	12/20/2023 12:30	01/03/2024 09:53	2980		56.7	56.7	1	ug/kg dry	AB
Thallium	08	7440-28-0	SW6020B	12/20/2023 12:30	01/03/2024 09:53	166		56.7	56.7	1	ug/kg dry	AB
Vanadium	08RE1	7440-62-2	SW6020B	12/20/2023 12:30	01/03/2024 10:55	103000		28300	28300	100	ug/kg dry	AB
Zinc	08RE1	7440-66-6	SW6020B	12/20/2023 12:30	01/03/2024 10:55	55800		28300	28300	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	08	630-20-6	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,1,1-Trichloroethane	08	71-55-6	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	08	79-34-5	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,1,2-Trichloroethane	08	79-00-5	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,1-Dichloroethane	08	75-34-3	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,1-Dichloroethylene	08	75-35-4	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	08	563-58-6	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	08	87-61-6	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,2,3-Trichloropropane	08	96-18-4	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	08	120-82-1	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	08	95-63-6	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	08	96-12-8	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	08	106-93-4	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,2-Dichlorobenzene	08	95-50-1	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,2-Dichloroethane	08	107-06-2	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,2-Dichloropropane	08	78-87-5	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	08	108-67-8	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,3-Dichlorobenzene	08	541-73-1	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,3-Dichloropropane	08	142-28-9	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,4-Dichlorobenzene	08	106-46-7	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
2,2-Dichloropropane	08	594-20-7	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
2-Butanone (MEK)	08	78-93-3	SW8260D	12/20/2023 15:44	12/20/2023 15:44	7.43		5.26	5.26	1	ug/kg dry	RJB
2-Chlorotoluene	08	95-49-8	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
2-Hexanone (MBK)	08	591-78-6	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
4-Chlorotoluene	08	106-43-4	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
4-Isopropyltoluene	08	99-87-6	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	08	108-10-1	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
Acetone	08	67-64-1	SW8260D	12/20/2023 15:44	12/20/2023 15:44	107		10.5	10.5	1	ug/kg dry	RJB
Benzene	08	71-43-2	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
Bromobenzene	08	108-86-1	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	08	74-97-5	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
Bromodichloromethane	08	75-27-4	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
Bromoform	08	75-25-2	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD	C	5.26	5.26	1	ug/kg dry	RJB
Bromomethane	08	74-83-9	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
Carbon disulfide	08	75-15-0	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
Carbon tetrachloride	08	56-23-5	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
Chlorobenzene	08	108-90-7	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
Chloroethane	08	75-00-3	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
Chloroform	08	67-66-3	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
Chloromethane	08	74-87-3	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	08	156-59-2	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	08	10061-01-5	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
Dibromochloromethane	08	124-48-1	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
Dibromomethane	08	74-95-3	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
Dichlorodifluoromethane	08	75-71-8	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	08	108-20-3	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
Ethylbenzene	08	100-41-4	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
Hexachlorobutadiene	08	87-68-3	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
Iodomethane	08	74-88-4	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		10.5	10.5	1	ug/kg dry	RJB
Isopropylbenzene	08	98-82-8	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
m+p-Xylenes	08	179601-23-1	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
Methylene chloride	08	75-09-2	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	08	1634-04-4	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	08	91-20-3	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
n-Butylbenzene	08	104-51-8	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
n-Propylbenzene	08	103-65-1	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
o-Xylene	08	95-47-6	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
sec-Butylbenzene	08	135-98-8	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
Styrene	08	100-42-5	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
tert-Butylbenzene	08	98-06-6	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	08	127-18-4	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
Toluene	08	108-88-3	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	08	156-60-5	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	08	10061-02-6	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
Trichloroethylene	08	79-01-6	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
Trichlorofluoromethane	08	75-69-4	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
Vinyl acetate	08	108-05-4	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	10.5	1	ug/kg dry	RJB
Vinyl chloride	08	75-01-4	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		5.26	5.26	1	ug/kg dry	RJB
Xylenes, Total	08	1330-20-7	SW8260D	12/20/2023 15:44	12/20/2023 15:44	BLOD		15.8	15.8	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*08*		*116 %*	*80-120*	*12/20/2023 15:44*	*12/20/2023 15:44*						
Surr: 4-Bromofluorobenzene (Surr)	*08*		*92.5 %*	*85-120*	*12/20/2023 15:44*	*12/20/2023 15:44*						
Surr: Dibromofluoromethane (Surr)	*08*		*110 %*	*80-130*	*12/20/2023 15:44*	*12/20/2023 15:44*						
Surr: Toluene-d8 (Surr)	*08*		*101 %*	*85-115*	*12/20/2023 15:44*	*12/20/2023 15:44*						

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Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-40** **Laboratory Sample ID:** **23L1137-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	08	123-91-1	SW8270E SIM	12/20/2023 15:00	12/21/2023 21:40	BLOD		4.00	4.00	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*08*	*40.9 %*	*35-100*	*12/20/2023 15:00*	*12/21/2023 21:40*							
1,2,4,5-Tetrachlorobenzene	08	95-94-3	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
1,2,4-Trichlorobenzene	08	120-82-1	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
1,2-Dichlorobenzene	08	95-50-1	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
1,2-Diphenylhydrazine	08	122-66-7	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
1,3-Dichlorobenzene	08	541-73-1	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
1,3-Dinitrobenzene	08	99-65-0	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
1,4-Dichlorobenzene	08	106-46-7	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
1-Chloronaphthalene	08	90-13-1	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
1-Naphthylamine	08	134-32-7	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	08	58-90-2	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
2,4,5-Trichlorophenol	08	95-95-4	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
2,4,6-Trichlorophenol	08	88-06-2	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
2,4-Dichlorophenol	08	120-83-2	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
2,4-Dimethylphenol	08	105-67-9	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
2,4-Dinitrophenol	08	51-28-5	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
2,4-Dinitrotoluene	08	121-14-2	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
2,6-Dichlorophenol	08	87-65-0	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
2,6-Dinitrotoluene	08	606-20-2	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
2-Chloronaphthalene	08	91-58-7	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
2-Chlorophenol	08	95-57-8	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
2-Methylnaphthalene	08	91-57-6	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	08	91-59-8	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
2-Nitroaniline	08	88-74-4	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
2-Nitrophenol	08	88-75-5	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
3,3'-Dichlorobenzidine	08	91-94-1	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
3-Methylcholanthrene	08	56-49-5	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
3-Nitroaniline	08	99-09-2	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	08	534-52-1	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
4-Aminobiphenyl	08	92-67-1	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
4-Bromophenyl phenyl ether	08	101-55-3	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
4-Chloroaniline	08	106-47-8	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	08	7005-72-3	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
4-Nitroaniline	08	100-01-6	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
4-Nitrophenol	08	100-02-7	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	08	57-97-6	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Acenaphthene	08	83-32-9	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Acenaphthylene	08	208-96-8	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Acetophenone	08	98-86-2	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Aniline	08	62-53-3	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Anthracene	08	120-12-7	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Benzidine	08	92-87-5	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Benzo (a) anthracene	08	56-55-3	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Benzo (a) pyrene	08	50-32-8	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Benzo (b) fluoranthene	08	205-99-2	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Benzo (g,h,i) perylene	08	191-24-2	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS

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Client Sample ID: **SC-40** **Laboratory Sample ID:** **23L1137-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	08	207-08-9	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Benzoic acid	08	65-85-0	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Benzyl alcohol	08	100-51-6	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	08	111-91-1	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
bis (2-Chloroethyl) ether	08	111-44-4	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	08	108-60-1	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	08	117-81-7	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Butyl benzyl phthalate	08	85-68-7	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Chrysene	08	218-01-9	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Dibenz (a,h) anthracene	08	53-70-3	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Dibenz (a,j) acridine	08	224-42-0	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Dibenzofuran	08	132-64-9	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Diethyl phthalate	08	84-66-2	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Dimethyl phthalate	08	131-11-3	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Di-n-butyl phthalate	08	84-74-2	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Di-n-octyl phthalate	08	117-84-0	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Diphenylamine	08	122-39-4	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Ethyl methanesulfonate	08	62-50-0	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Fluoranthene	08	206-44-0	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Fluorene	08	86-73-7	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Hexachlorobenzene	08	118-74-1	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Hexachlorobutadiene	08	87-68-3	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Hexachlorocyclopentadiene	08	77-47-4	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Hexachloroethane	08	67-72-1	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	08	193-39-5	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Isophorone	08	78-59-1	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
m+p-Cresols	08	1319-77-3	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Methyl methanesulfonate	08	66-27-3	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Naphthalene	08	91-20-3	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Nitrobenzene	08	98-95-3	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
n-Nitrosodimethylamine	08	62-75-9	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	08	924-16-3	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	08	621-64-7	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
n-Nitrosodiphenylamine	08	86-30-6	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
n-Nitrosopiperidine	08	100-75-4	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
o+m+p-Cresols	08	1319-77-3	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
o-Cresol	08	95-48-7	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	08	60-11-7	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
p-Chloro-m-cresol	08	59-50-7	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	08	82-68-8	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Pentachlorophenol	08	87-86-5	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Phenacetin	08	62-44-2	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Phenanthrene	08	85-01-8	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Phenol	08	108-95-2	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Pronamide	08	23950-58-5	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Pyrene	08	129-00-0	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Pyridine	08	110-86-1	SW8270E	12/20/2023 15:00	12/22/2023 22:04	BLOD		99.9	99.9	1	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*08*	*45.0 %*	*15-96*	*12/20/2023 15:00*	*12/22/2023 22:04*							

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Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*08*		*34.9 %*	*19-105*	*12/20/2023 15:00*	*12/22/2023 22:04*						
Surr: 2-Fluorophenol (Surr)	*08*		*38.8 %*	*12-95*	*12/20/2023 15:00*	*12/22/2023 22:04*						
Surr: Nitrobenzene-d5 (Surr)	*08*		*39.2 %*	*21-100*	*12/20/2023 15:00*	*12/22/2023 22:04*						
Surr: Phenol-d5 (Surr)	*08*		*39.6 %*	*13-100*	*12/20/2023 15:00*	*12/22/2023 22:04*						
Surr: p-Terphenyl-d14 (Surr)	*08*		*35.4 %*	*25-125*	*12/20/2023 15:00*	*12/22/2023 22:04*						

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Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-40** **Laboratory Sample ID:** **23L1137-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	08	14808-79-8	SW9056A	12/20/2023 10:00	12/20/2023 10:00	14.2		3.05	12.2	1	mg/kg dry	ATG

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Client Sample ID: **SC-40** **Laboratory Sample ID:** **23L1137-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	08	7664-41-7	EPA350.1 R2.0	01/02/2024 15:01	01/02/2024 15:01	BLOD		12.1	12.1	1	mg/kg dry	SPH
Chromium, Hexavalent	08	18540-29-9	SW7199	01/02/2024 09:00	01/03/2024 02:03	0.87		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	08	14797-55-8	SW9056A	12/20/2023 10:00	12/20/2023 10:00	BLOD		1.22	2.44	1	mg/kg dry	ATG
Percent Solids	08	NA	SM2540G-2011	12/22/2023 11:45	12/22/2023 11:45	82.0		0.10	0.10	1	%	KJM

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Client Sample ID: **SC-29** **Laboratory Sample ID:** **23L1137-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	09	7440-22-4	SW6020B	12/20/2023 12:30	12/27/2023 12:20	133		3.08	3.08	1	ug/kg dry	AB
Arsenic	09	7440-38-2	SW6020B	12/20/2023 12:30	12/27/2023 12:20	2500		61.7	61.7	1	ug/kg dry	AB
Barium	09	7440-39-3	SW6020B	12/20/2023 12:30	12/27/2023 12:01	85900		61700	61700	100	ug/kg dry	AB
Beryllium	09RE1	7440-41-7	SW6020B	12/20/2023 12:30	01/03/2024 09:56	493		61.7	61.7	1	ug/kg dry	AB
Cadmium	09	7440-43-9	SW6020B	12/20/2023 12:30	12/27/2023 12:20	329		61.7	61.7	1	ug/kg dry	AB
Cobalt	09	7440-48-4	SW6020B	12/20/2023 12:30	12/27/2023 12:20	13300		61.7	61.7	1	ug/kg dry	AB
Chromium	09	7440-47-3	SW6020B	12/20/2023 12:30	12/27/2023 12:01	44700		6170	6170	100	ug/kg dry	AB
Copper	09	7440-50-8	SW6020B	12/20/2023 12:30	12/27/2023 12:01	155000		6170	6170	100	ug/kg dry	AB
Mercury	09	7439-97-6	SW7471B	12/20/2023 13:25	12/20/2023 14:46	0.107		0.010	0.010	1	mg/kg dry	SGT
Manganese	09	7439-96-5	SW6020B	12/20/2023 12:30	12/27/2023 12:01	404000		6170	6170	100	ug/kg dry	AB
Nickel	09	7440-02-0	SW6020B	12/20/2023 12:30	12/27/2023 12:20	12100		61.7	61.7	1	ug/kg dry	AB
Lead	09	7439-92-1	SW6020B	12/20/2023 12:30	12/27/2023 12:01	61100		6170	6170	100	ug/kg dry	AB
Antimony	09	7440-36-0	SW6020B	12/20/2023 12:30	12/27/2023 12:20	102		61.7	61.7	1	ug/kg dry	AB
Selenium	09	7782-49-2	SW6020B	12/20/2023 12:30	12/27/2023 12:20	2130		61.7	61.7	1	ug/kg dry	AB
Thallium	09	7440-28-0	SW6020B	12/20/2023 12:30	12/27/2023 12:20	106		61.7	61.7	1	ug/kg dry	AB
Vanadium	09	7440-62-2	SW6020B	12/20/2023 12:30	12/27/2023 12:01	108000		30800	30800	100	ug/kg dry	AB
Zinc	09	7440-66-6	SW6020B	12/20/2023 12:30	12/27/2023 12:01	111000		30800	30800	100	ug/kg dry	AB

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Client Sample ID: **SC-29** **Laboratory Sample ID:** **23L1137-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	09	630-20-6	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,1,1-Trichloroethane	09	71-55-6	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	09	79-34-5	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,1,2-Trichloroethane	09	79-00-5	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,1-Dichloroethane	09	75-34-3	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,1-Dichloroethylene	09	75-35-4	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,1-Dichloropropene	09	563-58-6	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	09	87-61-6	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,2,3-Trichloropropane	09	96-18-4	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	09	120-82-1	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	09	95-63-6	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	09	96-12-8	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	09	106-93-4	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,2-Dichlorobenzene	09	95-50-1	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,2-Dichloroethane	09	107-06-2	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,2-Dichloropropane	09	78-87-5	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	09	108-67-8	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,3-Dichlorobenzene	09	541-73-1	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,3-Dichloropropane	09	142-28-9	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,4-Dichlorobenzene	09	106-46-7	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
2,2-Dichloropropane	09	594-20-7	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
2-Butanone (MEK)	09	78-93-3	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
2-Chlorotoluene	09	95-49-8	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
2-Hexanone (MBK)	09	591-78-6	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-29** **Laboratory Sample ID:** **23L1137-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
4-Chlorotoluene	09	106-43-4	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
4-Isopropyltoluene	09	99-87-6	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	09	108-10-1	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
Acetone	09	67-64-1	SW8260D	12/20/2023 16:07	12/20/2023 16:07	130		11.5	11.5	1	ug/kg dry	RJB
Benzene	09	71-43-2	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
Bromobenzene	09	108-86-1	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
Bromochloromethane	09	74-97-5	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
Bromodichloromethane	09	75-27-4	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
Bromoform	09	75-25-2	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD	C	5.76	5.76	1	ug/kg dry	RJB
Bromomethane	09	74-83-9	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
Carbon disulfide	09	75-15-0	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
Carbon tetrachloride	09	56-23-5	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
Chlorobenzene	09	108-90-7	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
Chloroethane	09	75-00-3	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
Chloroform	09	67-66-3	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
Chloromethane	09	74-87-3	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	09	156-59-2	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	09	10061-01-5	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
Dibromochloromethane	09	124-48-1	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
Dibromomethane	09	74-95-3	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
Dichlorodifluoromethane	09	75-71-8	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	09	108-20-3	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
Ethylbenzene	09	100-41-4	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
Hexachlorobutadiene	09	87-68-3	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB

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Client Sample ID: **SC-29** **Laboratory Sample ID:** **23L1137-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Iodomethane	09	74-88-4	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		11.5	11.5	1	ug/kg dry	RJB
Isopropylbenzene	09	98-82-8	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
m+p-Xylenes	09	179601-23-1	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
Methylene chloride	09	75-09-2	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	09	1634-04-4	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
Naphthalene	09	91-20-3	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
n-Butylbenzene	09	104-51-8	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
n-Propylbenzene	09	103-65-1	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
o-Xylene	09	95-47-6	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
sec-Butylbenzene	09	135-98-8	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
Styrene	09	100-42-5	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
tert-Butylbenzene	09	98-06-6	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	09	127-18-4	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
Toluene	09	108-88-3	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	09	156-60-5	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	09	10061-02-6	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
Trichloroethylene	09	79-01-6	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
Trichlorofluoromethane	09	75-69-4	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
Vinyl acetate	09	108-05-4	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	11.5	1	ug/kg dry	RJB
Vinyl chloride	09	75-01-4	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		5.76	5.76	1	ug/kg dry	RJB
Xylenes, Total	09	1330-20-7	SW8260D	12/20/2023 16:07	12/20/2023 16:07	BLOD		17.3	17.3	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*09*	*114 %*	*80-120*	*12/20/2023 16:07*	*12/20/2023 16:07*							
Surr: 4-Bromofluorobenzene (Surr)	*09*	*92.9 %*	*85-120*	*12/20/2023 16:07*	*12/20/2023 16:07*							
Surr: Dibromofluoromethane (Surr)	*09*	*114 %*	*80-130*	*12/20/2023 16:07*	*12/20/2023 16:07*							

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Volatile Organic Compounds by GCMS												
Surr: Toluene-d8 (Surr)	*09*		*100 %*	*85-115*	*12/20/2023 16:07*	*12/20/2023 16:07*						

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Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	09	123-91-1	SW8270E SIM	12/20/2023 15:00	12/21/2023 22:07	BLOD		4.14	4.14	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*09*		*47.6 %*	*35-100*	*12/20/2023 15:00*	*12/21/2023 22:07*						
1,2,4,5-Tetrachlorobenzene	09	95-94-3	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
1,2,4-Trichlorobenzene	09	120-82-1	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
1,2-Dichlorobenzene	09	95-50-1	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
1,2-Diphenylhydrazine	09	122-66-7	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
1,3-Dichlorobenzene	09	541-73-1	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
1,3-Dinitrobenzene	09	99-65-0	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
1,4-Dichlorobenzene	09	106-46-7	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
1-Chloronaphthalene	09	90-13-1	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
1-Naphthylamine	09	134-32-7	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	09	58-90-2	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
2,4,5-Trichlorophenol	09	95-95-4	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
2,4,6-Trichlorophenol	09	88-06-2	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
2,4-Dichlorophenol	09	120-83-2	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
2,4-Dimethylphenol	09	105-67-9	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
2,4-Dinitrophenol	09	51-28-5	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
2,4-Dinitrotoluene	09	121-14-2	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
2,6-Dichlorophenol	09	87-65-0	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
2,6-Dinitrotoluene	09	606-20-2	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
2-Chloronaphthalene	09	91-58-7	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
2-Chlorophenol	09	95-57-8	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
2-Methylnaphthalene	09	91-57-6	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-29 **Laboratory Sample ID:** 23L1137-09

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	09	91-59-8	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
2-Nitroaniline	09	88-74-4	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
2-Nitrophenol	09	88-75-5	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
3,3'-Dichlorobenzidine	09	91-94-1	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
3-Methylcholanthrene	09	56-49-5	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
3-Nitroaniline	09	99-09-2	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	09	534-52-1	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
4-Aminobiphenyl	09	92-67-1	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
4-Bromophenyl phenyl ether	09	101-55-3	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
4-Chloroaniline	09	106-47-8	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	09	7005-72-3	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
4-Nitroaniline	09	100-01-6	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
4-Nitrophenol	09	100-02-7	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	09	57-97-6	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Acenaphthene	09	83-32-9	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Acenaphthylene	09	208-96-8	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Acetophenone	09	98-86-2	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Aniline	09	62-53-3	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Anthracene	09	120-12-7	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Benzidine	09	92-87-5	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Benzo (a) anthracene	09	56-55-3	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Benzo (a) pyrene	09	50-32-8	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Benzo (b) fluoranthene	09	205-99-2	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Benzo (g,h,i) perylene	09	191-24-2	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-29 **Laboratory Sample ID:** 23L1137-09

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	09	207-08-9	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Benzoic acid	09	65-85-0	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Benzyl alcohol	09	100-51-6	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	09	111-91-1	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
bis (2-Chloroethyl) ether	09	111-44-4	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	09	108-60-1	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	09	117-81-7	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Butyl benzyl phthalate	09	85-68-7	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Chrysene	09	218-01-9	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Dibenz (a,h) anthracene	09	53-70-3	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Dibenz (a,j) acridine	09	224-42-0	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Dibenzofuran	09	132-64-9	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Diethyl phthalate	09	84-66-2	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Dimethyl phthalate	09	131-11-3	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Di-n-butyl phthalate	09	84-74-2	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Di-n-octyl phthalate	09	117-84-0	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Diphenylamine	09	122-39-4	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Ethyl methanesulfonate	09	62-50-0	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Fluoranthene	09	206-44-0	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Fluorene	09	86-73-7	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Hexachlorobenzene	09	118-74-1	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Hexachlorobutadiene	09	87-68-3	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Hexachlorocyclopentadiene	09	77-47-4	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Hexachloroethane	09	67-72-1	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS

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Client Sample ID: **SC-29** **Laboratory Sample ID:** **23L1137-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	09	193-39-5	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Isophorone	09	78-59-1	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
m+p-Cresols	09	1319-77-3	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Methyl methanesulfonate	09	66-27-3	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Naphthalene	09	91-20-3	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Nitrobenzene	09	98-95-3	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
n-Nitrosodimethylamine	09	62-75-9	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	09	924-16-3	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	09	621-64-7	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
n-Nitrosodiphenylamine	09	86-30-6	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
n-Nitrosopiperidine	09	100-75-4	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
o+m+p-Cresols	09	1319-77-3	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
o-Cresol	09	95-48-7	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	09	60-11-7	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
p-Chloro-m-cresol	09	59-50-7	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	09	82-68-8	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Pentachlorophenol	09	87-86-5	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Phenacetin	09	62-44-2	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Phenanthrene	09	85-01-8	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Phenol	09	108-95-2	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Pronamide	09	23950-58-5	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Pyrene	09	129-00-0	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Pyridine	09	110-86-1	SW8270E	12/20/2023 15:00	12/22/2023 22:34	BLOD		414	414	4	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*09*	*63.5 %*	*15-96*	*12/20/2023 15:00*	*12/22/2023 22:34*							

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Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*09*		*37.4 %*	*19-105*	*12/20/2023 15:00*	*12/22/2023 22:34*						
Surr: 2-Fluorophenol (Surr)	*09*		*50.3 %*	*12-95*	*12/20/2023 15:00*	*12/22/2023 22:34*						
Surr: Nitrobenzene-d5 (Surr)	*09*		*46.8 %*	*21-100*	*12/20/2023 15:00*	*12/22/2023 22:34*						
Surr: Phenol-d5 (Surr)	*09*		*51.0 %*	*13-100*	*12/20/2023 15:00*	*12/22/2023 22:34*						
Surr: p-Terphenyl-d14 (Surr)	*09*		*29.4 %*	*25-125*	*12/20/2023 15:00*	*12/22/2023 22:34*						

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Ion Chromatography Analyses												
Sulfate	09	14808-79-8	SW9056A	12/20/2023 10:00	12/20/2023 10:00	15.0		3.15	12.6	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	09	7664-41-7	EPA350.1 R2.0	01/02/2024 15:01	01/02/2024 15:01	BLOD		12.1	12.1	1	mg/kg dry	SPH
Chromium, Hexavalent	09	18540-29-9	SW7199	01/02/2024 09:00	01/03/2024 02:29	1.41		0.25	0.25	1	mg/kg dry	MGC
Nitrate as N	09	14797-55-8	SW9056A	12/20/2023 10:00	12/20/2023 10:00	1.42	J	1.26	2.52	1	mg/kg dry	ATG
Percent Solids	09	NA	SM2540G-2011	12/22/2023 11:45	12/22/2023 11:45	79.3		0.10	0.10	1	%	KJM

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	10	7440-22-4	SW6020B	12/20/2023 12:30	01/03/2024 10:14	56.9		2.83	2.83	1	ug/kg dry	AB
Arsenic	10	7440-38-2	SW6020B	12/20/2023 12:30	01/03/2024 10:14	2070		56.5	56.5	1	ug/kg dry	AB
Barium	10RE1	7440-39-3	SW6020B	12/20/2023 12:30	01/03/2024 11:00	127000		56500	56500	100	ug/kg dry	AB
Beryllium	10	7440-41-7	SW6020B	12/20/2023 12:30	01/03/2024 10:14	520		56.5	56.5	1	ug/kg dry	AB
Cadmium	10	7440-43-9	SW6020B	12/20/2023 12:30	01/03/2024 10:14	149		56.5	56.5	1	ug/kg dry	AB
Cobalt	10	7440-48-4	SW6020B	12/20/2023 12:30	01/03/2024 10:14	10100		56.5	56.5	1	ug/kg dry	AB
Chromium	10	7440-47-3	SW6020B	12/20/2023 12:30	01/03/2024 10:14	29800		56.5	56.5	1	ug/kg dry	AB
Copper	10RE1	7440-50-8	SW6020B	12/20/2023 12:30	01/03/2024 11:00	37200		5650	5650	100	ug/kg dry	AB
Mercury	10	7439-97-6	SW7471B	12/20/2023 13:25	12/20/2023 14:48	0.026		0.009	0.009	1	mg/kg dry	SGT
Manganese	10RE1	7439-96-5	SW6020B	12/20/2023 12:30	01/03/2024 11:00	302000		5650	5650	100	ug/kg dry	AB
Nickel	10	7440-02-0	SW6020B	12/20/2023 12:30	01/03/2024 10:14	14700		56.5	56.5	1	ug/kg dry	AB
Lead	10	7439-92-1	SW6020B	12/20/2023 12:30	01/03/2024 10:14	16300		56.5	56.5	1	ug/kg dry	AB
Antimony	10	7440-36-0	SW6020B	12/20/2023 12:30	01/03/2024 10:14	BLOD		56.5	56.5	1	ug/kg dry	AB
Selenium	10	7782-49-2	SW6020B	12/20/2023 12:30	01/03/2024 10:14	2190		56.5	56.5	1	ug/kg dry	AB
Thallium	10	7440-28-0	SW6020B	12/20/2023 12:30	01/03/2024 10:14	103		56.5	56.5	1	ug/kg dry	AB
Vanadium	10RE1	7440-62-2	SW6020B	12/20/2023 12:30	01/03/2024 11:00	59400		28300	28300	100	ug/kg dry	AB
Zinc	10RE1	7440-66-6	SW6020B	12/20/2023 12:30	01/03/2024 11:00	82200		28300	28300	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	10	630-20-6	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
1,1,1-Trichloroethane	10	71-55-6	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	10	79-34-5	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
1,1,2-Trichloroethane	10	79-00-5	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
1,1-Dichloroethane	10	75-34-3	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
1,1-Dichloroethylene	10	75-35-4	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-27** **Laboratory Sample ID:** **23L1137-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	10	563-58-6	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	10	87-61-6	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
1,2,3-Trichloropropane	10	96-18-4	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	10	120-82-1	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	10	95-63-6	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	10	96-12-8	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	10	106-93-4	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
1,2-Dichlorobenzene	10	95-50-1	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
1,2-Dichloroethane	10	107-06-2	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
1,2-Dichloropropane	10	78-87-5	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	10	108-67-8	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
1,3-Dichlorobenzene	10	541-73-1	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
1,3-Dichloropropane	10	142-28-9	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
1,4-Dichlorobenzene	10	106-46-7	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
2,2-Dichloropropane	10	594-20-7	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
2-Butanone (MEK)	10	78-93-3	SW8260D	12/20/2023 16:30	12/20/2023 16:30	4.96	J	4.75	5.00	1	ug/kg dry	RJB
2-Chlorotoluene	10	95-49-8	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
2-Hexanone (MBK)	10	591-78-6	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
4-Chlorotoluene	10	106-43-4	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
4-Isopropyltoluene	10	99-87-6	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	10	108-10-1	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
Acetone	10	67-64-1	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		9.50	10.0	1	ug/kg dry	RJB
Benzene	10	71-43-2	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
Bromobenzene	10	108-86-1	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB

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Client Sample ID: SC-27 **Laboratory Sample ID:** 23L1137-10

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	10	74-97-5	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
Bromodichloromethane	10	75-27-4	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
Bromoform	10	75-25-2	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD	C	4.75	5.00	1	ug/kg dry	RJB
Bromomethane	10	74-83-9	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
Carbon disulfide	10	75-15-0	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
Carbon tetrachloride	10	56-23-5	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
Chlorobenzene	10	108-90-7	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
Chloroethane	10	75-00-3	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
Chloroform	10	67-66-3	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
Chloromethane	10	74-87-3	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	10	156-59-2	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	10	10061-01-5	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
Dibromochloromethane	10	124-48-1	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
Dibromomethane	10	74-95-3	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
Dichlorodifluoromethane	10	75-71-8	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	10	108-20-3	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
Ethylbenzene	10	100-41-4	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
Hexachlorobutadiene	10	87-68-3	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
Iodomethane	10	74-88-4	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		9.50	10.0	1	ug/kg dry	RJB
Isopropylbenzene	10	98-82-8	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
m+p-Xylenes	10	179601-23-1	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
Methylene chloride	10	75-09-2	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	10	1634-04-4	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	10	91-20-3	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
n-Butylbenzene	10	104-51-8	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
n-Propylbenzene	10	103-65-1	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
o-Xylene	10	95-47-6	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
sec-Butylbenzene	10	135-98-8	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
Styrene	10	100-42-5	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
tert-Butylbenzene	10	98-06-6	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	10	127-18-4	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
Toluene	10	108-88-3	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	10	156-60-5	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	10	10061-02-6	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
Trichloroethylene	10	79-01-6	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
Trichlorofluoromethane	10	75-69-4	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
Vinyl acetate	10	108-05-4	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	10.0	1	ug/kg dry	RJB
Vinyl chloride	10	75-01-4	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		4.75	5.00	1	ug/kg dry	RJB
Xylenes, Total	10	1330-20-7	SW8260D	12/20/2023 16:30	12/20/2023 16:30	BLOD		14.2	15.0	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*10*		*115 %*	*80-120*	*12/20/2023 16:30*	*12/20/2023 16:30*						
Surr: 4-Bromofluorobenzene (Surr)	*10*		*91.8 %*	*85-120*	*12/20/2023 16:30*	*12/20/2023 16:30*						
Surr: Dibromofluoromethane (Surr)	*10*		*111 %*	*80-130*	*12/20/2023 16:30*	*12/20/2023 16:30*						
Surr: Toluene-d8 (Surr)	*10*		*99.9 %*	*85-115*	*12/20/2023 16:30*	*12/20/2023 16:30*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	10	123-91-1	SW8270E SIM	12/20/2023 15:00	12/21/2023 22:34	BLOD		3.86	3.86	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*10*	*58.9 %*	*35-100*	*12/20/2023 15:00*	*12/21/2023 22:34*							
1,2,4,5-Tetrachlorobenzene	10	95-94-3	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
1,2,4-Trichlorobenzene	10	120-82-1	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
1,2-Dichlorobenzene	10	95-50-1	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
1,2-Diphenylhydrazine	10	122-66-7	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
1,3-Dichlorobenzene	10	541-73-1	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
1,3-Dinitrobenzene	10	99-65-0	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
1,4-Dichlorobenzene	10	106-46-7	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
1-Chloronaphthalene	10	90-13-1	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
1-Naphthylamine	10	134-32-7	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	10	58-90-2	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
2,4,5-Trichlorophenol	10	95-95-4	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
2,4,6-Trichlorophenol	10	88-06-2	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
2,4-Dichlorophenol	10	120-83-2	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
2,4-Dimethylphenol	10	105-67-9	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
2,4-Dinitrophenol	10	51-28-5	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
2,4-Dinitrotoluene	10	121-14-2	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
2,6-Dichlorophenol	10	87-65-0	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
2,6-Dinitrotoluene	10	606-20-2	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
2-Chloronaphthalene	10	91-58-7	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
2-Chlorophenol	10	95-57-8	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
2-Methylnaphthalene	10	91-57-6	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS

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Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	10	91-59-8	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
2-Nitroaniline	10	88-74-4	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
2-Nitrophenol	10	88-75-5	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
3,3'-Dichlorobenzidine	10	91-94-1	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
3-Methylcholanthrene	10	56-49-5	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
3-Nitroaniline	10	99-09-2	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	10	534-52-1	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
4-Aminobiphenyl	10	92-67-1	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
4-Bromophenyl phenyl ether	10	101-55-3	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
4-Chloroaniline	10	106-47-8	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	10	7005-72-3	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
4-Nitroaniline	10	100-01-6	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
4-Nitrophenol	10	100-02-7	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	10	57-97-6	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Acenaphthene	10	83-32-9	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Acenaphthylene	10	208-96-8	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Acetophenone	10	98-86-2	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Aniline	10	62-53-3	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Anthracene	10	120-12-7	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Benzidine	10	92-87-5	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Benzo (a) anthracene	10	56-55-3	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Benzo (a) pyrene	10	50-32-8	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Benzo (b) fluoranthene	10	205-99-2	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Benzo (g,h,i) perylene	10	191-24-2	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-27** **Laboratory Sample ID:** **23L1137-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	10	207-08-9	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Benzoic acid	10	65-85-0	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Benzyl alcohol	10	100-51-6	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	10	111-91-1	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
bis (2-Chloroethyl) ether	10	111-44-4	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	10	108-60-1	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	10	117-81-7	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Butyl benzyl phthalate	10	85-68-7	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Chrysene	10	218-01-9	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Dibenz (a,h) anthracene	10	53-70-3	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Dibenz (a,j) acridine	10	224-42-0	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Dibenzofuran	10	132-64-9	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Diethyl phthalate	10	84-66-2	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Dimethyl phthalate	10	131-11-3	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Di-n-butyl phthalate	10	84-74-2	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Di-n-octyl phthalate	10	117-84-0	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Diphenylamine	10	122-39-4	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Ethyl methanesulfonate	10	62-50-0	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Fluoranthene	10	206-44-0	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Fluorene	10	86-73-7	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Hexachlorobenzene	10	118-74-1	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Hexachlorobutadiene	10	87-68-3	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Hexachlorocyclopentadiene	10	77-47-4	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Hexachloroethane	10	67-72-1	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS

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Client Sample ID: SC-27 **Laboratory Sample ID:** 23L1137-10

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	10	193-39-5	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Isophorone	10	78-59-1	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
m+p-Cresols	10	1319-77-3	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Methyl methanesulfonate	10	66-27-3	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Naphthalene	10	91-20-3	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Nitrobenzene	10	98-95-3	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
n-Nitrosodimethylamine	10	62-75-9	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	10	924-16-3	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	10	621-64-7	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
n-Nitrosodiphenylamine	10	86-30-6	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
n-Nitrosopiperidine	10	100-75-4	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
o+m+p-Cresols	10	1319-77-3	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
o-Cresol	10	95-48-7	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	10	60-11-7	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
p-Chloro-m-cresol	10	59-50-7	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	10	82-68-8	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Pentachlorophenol	10	87-86-5	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Phenacetin	10	62-44-2	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Phenanthrene	10	85-01-8	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Phenol	10	108-95-2	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Pronamide	10	23950-58-5	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Pyrene	10	129-00-0	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Pyridine	10	110-86-1	SW8270E	12/20/2023 15:00	12/22/2023 23:04	BLOD		96.7	96.7	1	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*10*	*59.9 %*	*15-96*	*12/20/2023 15:00*	*12/22/2023 23:04*							

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*10*		*44.9 %*	*19-105*	*12/20/2023 15:00*	*12/22/2023 23:04*						
Surr: 2-Fluorophenol (Surr)	*10*		*51.3 %*	*12-95*	*12/20/2023 15:00*	*12/22/2023 23:04*						
Surr: Nitrobenzene-d5 (Surr)	*10*		*54.0 %*	*21-100*	*12/20/2023 15:00*	*12/22/2023 23:04*						
Surr: Phenol-d5 (Surr)	*10*		*54.2 %*	*13-100*	*12/20/2023 15:00*	*12/22/2023 23:04*						
Surr: p-Terphenyl-d14 (Surr)	*10*		*58.5 %*	*25-125*	*12/20/2023 15:00*	*12/22/2023 23:04*						

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Ion Chromatography Analyses												
Sulfate	10	14808-79-8	SW9056A	12/20/2023 10:00	12/20/2023 10:00	10.3	J	2.92	11.7	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	10	7664-41-7	EPA350.1 R2.0	01/02/2024 15:01	01/02/2024 15:01	BLOD		11.3	11.3	1	mg/kg dry	SPH
Chromium, Hexavalent	10	18540-29-9	SW7199	01/02/2024 09:00	01/03/2024 02:56	0.56		0.23	0.23	1	mg/kg dry	MGC
Nitrate as N	10	14797-55-8	SW9056A	12/20/2023 10:00	12/20/2023 10:00	BLOD		1.17	2.34	1	mg/kg dry	ATG
Percent Solids	10	NA	SM2540G-2011	12/22/2023 11:45	12/22/2023 11:45	85.6		0.10	0.10	1	%	KJM

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Client Sample ID: **SC-28** **Laboratory Sample ID:** **23L1137-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	11	7440-22-4	SW6020B	12/20/2023 12:30	01/03/2024 10:17	32.2		2.79	2.79	1	ug/kg dry	AB
Arsenic	11	7440-38-2	SW6020B	12/20/2023 12:30	01/03/2024 10:17	2220		55.9	55.9	1	ug/kg dry	AB
Barium	11RE1	7440-39-3	SW6020B	12/20/2023 12:30	01/03/2024 11:03	123000		55900	55900	100	ug/kg dry	AB
Beryllium	11	7440-41-7	SW6020B	12/20/2023 12:30	01/03/2024 10:17	557		55.9	55.9	1	ug/kg dry	AB
Cadmium	11	7440-43-9	SW6020B	12/20/2023 12:30	01/03/2024 10:17	71.3		55.9	55.9	1	ug/kg dry	AB
Cobalt	11	7440-48-4	SW6020B	12/20/2023 12:30	01/03/2024 10:17	15400		55.9	55.9	1	ug/kg dry	AB
Chromium	11RE1	7440-47-3	SW6020B	12/20/2023 12:30	01/03/2024 11:03	42900		5590	5590	100	ug/kg dry	AB
Copper	11RE1	7440-50-8	SW6020B	12/20/2023 12:30	01/03/2024 11:03	63100		5590	5590	100	ug/kg dry	AB
Mercury	11	7439-97-6	SW7471B	12/20/2023 13:25	12/20/2023 14:56	0.048		0.009	0.009	1	mg/kg dry	SGT
Manganese	11RE1	7439-96-5	SW6020B	12/20/2023 12:30	01/03/2024 11:03	369000		5590	5590	100	ug/kg dry	AB
Nickel	11	7440-02-0	SW6020B	12/20/2023 12:30	01/03/2024 10:17	18800		55.9	55.9	1	ug/kg dry	AB
Lead	11RE1	7439-92-1	SW6020B	12/20/2023 12:30	01/03/2024 11:03	43900		5590	5590	100	ug/kg dry	AB
Antimony	11	7440-36-0	SW6020B	12/20/2023 12:30	01/03/2024 10:17	BLOD		55.9	55.9	1	ug/kg dry	AB
Selenium	11	7782-49-2	SW6020B	12/20/2023 12:30	01/03/2024 10:17	2920		55.9	55.9	1	ug/kg dry	AB
Thallium	11	7440-28-0	SW6020B	12/20/2023 12:30	01/03/2024 10:17	121		55.9	55.9	1	ug/kg dry	AB
Vanadium	11RE1	7440-62-2	SW6020B	12/20/2023 12:30	01/03/2024 11:03	85900		27900	27900	100	ug/kg dry	AB
Zinc	11RE1	7440-66-6	SW6020B	12/20/2023 12:30	01/03/2024 11:03	53200		27900	27900	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	11	630-20-6	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
1,1,1-Trichloroethane	11	71-55-6	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	11	79-34-5	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
1,1,2-Trichloroethane	11	79-00-5	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
1,1-Dichloroethane	11	75-34-3	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
1,1-Dichloroethylene	11	75-35-4	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	11	563-58-6	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	11	87-61-6	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
1,2,3-Trichloropropane	11	96-18-4	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	11	120-82-1	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	11	95-63-6	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	11	96-12-8	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	11	106-93-4	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
1,2-Dichlorobenzene	11	95-50-1	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
1,2-Dichloroethane	11	107-06-2	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
1,2-Dichloropropane	11	78-87-5	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	11	108-67-8	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
1,3-Dichlorobenzene	11	541-73-1	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
1,3-Dichloropropane	11	142-28-9	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
1,4-Dichlorobenzene	11	106-46-7	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
2,2-Dichloropropane	11	594-20-7	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
2-Butanone (MEK)	11	78-93-3	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
2-Chlorotoluene	11	95-49-8	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
2-Hexanone (MBK)	11	591-78-6	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
4-Chlorotoluene	11	106-43-4	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
4-Isopropyltoluene	11	99-87-6	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	11	108-10-1	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
Acetone	11	67-64-1	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		9.34	10.0	1	ug/kg dry	RJB
Benzene	11	71-43-2	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
Bromobenzene	11	108-86-1	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-28 **Laboratory Sample ID:** 23L1137-11

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	11	74-97-5	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
Bromodichloromethane	11	75-27-4	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
Bromoform	11	75-25-2	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD	C	4.67	5.00	1	ug/kg dry	RJB
Bromomethane	11	74-83-9	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
Carbon disulfide	11	75-15-0	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
Carbon tetrachloride	11	56-23-5	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
Chlorobenzene	11	108-90-7	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
Chloroethane	11	75-00-3	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
Chloroform	11	67-66-3	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
Chloromethane	11	74-87-3	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	11	156-59-2	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	11	10061-01-5	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
Dibromochloromethane	11	124-48-1	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
Dibromomethane	11	74-95-3	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
Dichlorodifluoromethane	11	75-71-8	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	11	108-20-3	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
Ethylbenzene	11	100-41-4	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
Hexachlorobutadiene	11	87-68-3	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
Iodomethane	11	74-88-4	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		9.34	10.0	1	ug/kg dry	RJB
Isopropylbenzene	11	98-82-8	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
m+p-Xylenes	11	179601-23-1	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
Methylene chloride	11	75-09-2	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	11	1634-04-4	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-28** **Laboratory Sample ID:** **23L1137-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	11	91-20-3	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
n-Butylbenzene	11	104-51-8	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
n-Propylbenzene	11	103-65-1	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
o-Xylene	11	95-47-6	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
sec-Butylbenzene	11	135-98-8	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
Styrene	11	100-42-5	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
tert-Butylbenzene	11	98-06-6	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	11	127-18-4	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
Toluene	11	108-88-3	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	11	156-60-5	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	11	10061-02-6	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
Trichloroethylene	11	79-01-6	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
Trichlorofluoromethane	11	75-69-4	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
Vinyl acetate	11	108-05-4	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	10.0	1	ug/kg dry	RJB
Vinyl chloride	11	75-01-4	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		4.67	5.00	1	ug/kg dry	RJB
Xylenes, Total	11	1330-20-7	SW8260D	12/20/2023 16:54	12/20/2023 16:54	BLOD		14.0	15.0	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*11*		*112 %*	*80-120*	*12/20/2023 16:54*	*12/20/2023 16:54*						
Surr: 4-Bromofluorobenzene (Surr)	*11*		*96.9 %*	*85-120*	*12/20/2023 16:54*	*12/20/2023 16:54*						
Surr: Dibromofluoromethane (Surr)	*11*		*108 %*	*80-130*	*12/20/2023 16:54*	*12/20/2023 16:54*						
Surr: Toluene-d8 (Surr)	*11*		*101 %*	*85-115*	*12/20/2023 16:54*	*12/20/2023 16:54*						

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-28** **Laboratory Sample ID:** **23L1137-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	11	123-91-1	SW8270E SIM	12/20/2023 15:00	12/21/2023 23:01	BLOD		3.90	3.90	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*11*	*36.3 %*	*35-100*	*12/20/2023 15:00*	*12/21/2023 23:01*							
1,2,4,5-Tetrachlorobenzene	11	95-94-3	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
1,2,4-Trichlorobenzene	11	120-82-1	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
1,2-Dichlorobenzene	11	95-50-1	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
1,2-Diphenylhydrazine	11	122-66-7	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
1,3-Dichlorobenzene	11	541-73-1	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
1,3-Dinitrobenzene	11	99-65-0	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
1,4-Dichlorobenzene	11	106-46-7	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
1-Chloronaphthalene	11	90-13-1	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
1-Naphthylamine	11	134-32-7	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	11	58-90-2	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
2,4,5-Trichlorophenol	11	95-95-4	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
2,4,6-Trichlorophenol	11	88-06-2	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
2,4-Dichlorophenol	11	120-83-2	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
2,4-Dimethylphenol	11	105-67-9	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
2,4-Dinitrophenol	11	51-28-5	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
2,4-Dinitrotoluene	11	121-14-2	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
2,6-Dichlorophenol	11	87-65-0	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
2,6-Dinitrotoluene	11	606-20-2	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
2-Chloronaphthalene	11	91-58-7	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
2-Chlorophenol	11	95-57-8	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
2-Methylnaphthalene	11	91-57-6	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS

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Client Sample ID: SC-28 **Laboratory Sample ID:** 23L1137-11

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	11	91-59-8	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
2-Nitroaniline	11	88-74-4	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
2-Nitrophenol	11	88-75-5	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
3,3'-Dichlorobenzidine	11	91-94-1	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
3-Methylcholanthrene	11	56-49-5	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
3-Nitroaniline	11	99-09-2	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	11	534-52-1	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
4-Aminobiphenyl	11	92-67-1	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
4-Bromophenyl phenyl ether	11	101-55-3	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
4-Chloroaniline	11	106-47-8	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	11	7005-72-3	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
4-Nitroaniline	11	100-01-6	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
4-Nitrophenol	11	100-02-7	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	11	57-97-6	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Acenaphthene	11	83-32-9	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Acenaphthylene	11	208-96-8	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Acetophenone	11	98-86-2	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Aniline	11	62-53-3	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Anthracene	11	120-12-7	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Benzidine	11	92-87-5	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Benzo (a) anthracene	11	56-55-3	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Benzo (a) pyrene	11	50-32-8	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Benzo (b) fluoranthene	11	205-99-2	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Benzo (g,h,i) perylene	11	191-24-2	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS

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Client Sample ID: SC-28 **Laboratory Sample ID:** 23L1137-11

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	11	207-08-9	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Benzoic acid	11	65-85-0	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Benzyl alcohol	11	100-51-6	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	11	111-91-1	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
bis (2-Chloroethyl) ether	11	111-44-4	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	11	108-60-1	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	11	117-81-7	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Butyl benzyl phthalate	11	85-68-7	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Chrysene	11	218-01-9	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Dibenz (a,h) anthracene	11	53-70-3	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Dibenz (a,j) acridine	11	224-42-0	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Dibenzofuran	11	132-64-9	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Diethyl phthalate	11	84-66-2	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Dimethyl phthalate	11	131-11-3	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Di-n-butyl phthalate	11	84-74-2	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Di-n-octyl phthalate	11	117-84-0	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Diphenylamine	11	122-39-4	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Ethyl methanesulfonate	11	62-50-0	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Fluoranthene	11	206-44-0	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Fluorene	11	86-73-7	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Hexachlorobenzene	11	118-74-1	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Hexachlorobutadiene	11	87-68-3	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Hexachlorocyclopentadiene	11	77-47-4	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Hexachloroethane	11	67-72-1	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-28** **Laboratory Sample ID:** **23L1137-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	11	193-39-5	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Isophorone	11	78-59-1	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
m+p-Cresols	11	1319-77-3	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Methyl methanesulfonate	11	66-27-3	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Naphthalene	11	91-20-3	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Nitrobenzene	11	98-95-3	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
n-Nitrosodimethylamine	11	62-75-9	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	11	924-16-3	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	11	621-64-7	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
n-Nitrosodiphenylamine	11	86-30-6	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
n-Nitrosopiperidine	11	100-75-4	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
o+m+p-Cresols	11	1319-77-3	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
o-Cresol	11	95-48-7	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	11	60-11-7	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
p-Chloro-m-cresol	11	59-50-7	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	11	82-68-8	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Pentachlorophenol	11	87-86-5	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Phenacetin	11	62-44-2	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Phenanthrene	11	85-01-8	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Phenol	11	108-95-2	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Pronamide	11	23950-58-5	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Pyrene	11	129-00-0	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Pyridine	11	110-86-1	SW8270E	12/20/2023 15:00	12/22/2023 23:33	BLOD		97.5	97.5	1	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*11*	*41.5 %*	*15-96*	*12/20/2023 15:00*	*12/22/2023 23:33*							

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Client Sample ID: **SC-28** **Laboratory Sample ID:** **23L1137-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*11*		*25.0 %*	*19-105*	*12/20/2023 15:00*	*12/22/2023 23:33*						
Surr: 2-Fluorophenol (Surr)	*11*		*29.6 %*	*12-95*	*12/20/2023 15:00*	*12/22/2023 23:33*						
Surr: Nitrobenzene-d5 (Surr)	*11*		*31.3 %*	*21-100*	*12/20/2023 15:00*	*12/22/2023 23:33*						
Surr: Phenol-d5 (Surr)	*11*		*33.6 %*	*13-100*	*12/20/2023 15:00*	*12/22/2023 23:33*						
Surr: p-Terphenyl-d14 (Surr)	*11*		*54.5 %*	*25-125*	*12/20/2023 15:00*	*12/22/2023 23:33*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	11	14808-79-8	SW9056A	12/20/2023 10:00	12/20/2023 10:00	16.6		2.97	11.9	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	11	7664-41-7	EPA350.1 R2.0	01/02/2024 15:01	01/02/2024 15:01	BLOD		11.7	11.7	1	mg/kg dry	SPH
Chromium, Hexavalent	11	18540-29-9	SW7199	01/02/2024 09:00	01/03/2024 04:16	0.63		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	11	14797-55-8	SW9056A	12/20/2023 10:00	12/20/2023 10:00	2.74		1.19	2.37	1	mg/kg dry	ATG
Percent Solids	11	NA	SM2540G-2011	12/21/2023 15:30	12/21/2023 15:30	84.3		0.10	0.10	1	%	KJM

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Client Sample ID: **DUP-5** **Laboratory Sample ID:** **23L1137-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	12	7440-22-4	SW6020B	12/20/2023 12:30	01/03/2024 10:20	33.8		2.81	2.81	1	ug/kg dry	AB
Arsenic	12	7440-38-2	SW6020B	12/20/2023 12:30	01/03/2024 10:20	1540		56.3	56.3	1	ug/kg dry	AB
Barium	12RE1	7440-39-3	SW6020B	12/20/2023 12:30	01/03/2024 11:06	145000		56300	56300	100	ug/kg dry	AB
Beryllium	12	7440-41-7	SW6020B	12/20/2023 12:30	01/03/2024 10:20	447		56.3	56.3	1	ug/kg dry	AB
Cadmium	12	7440-43-9	SW6020B	12/20/2023 12:30	01/03/2024 10:20	105		56.3	56.3	1	ug/kg dry	AB
Cobalt	12	7440-48-4	SW6020B	12/20/2023 12:30	01/03/2024 10:20	17300		56.3	56.3	1	ug/kg dry	AB
Chromium	12RE1	7440-47-3	SW6020B	12/20/2023 12:30	01/03/2024 11:06	58200		5630	5630	100	ug/kg dry	AB
Copper	12RE1	7440-50-8	SW6020B	12/20/2023 12:30	01/03/2024 11:06	52400		5630	5630	100	ug/kg dry	AB
Mercury	12	7439-97-6	SW7471B	12/20/2023 13:25	12/20/2023 14:59	0.038		0.010	0.010	1	mg/kg dry	SGT
Manganese	12RE1	7439-96-5	SW6020B	12/20/2023 12:30	01/03/2024 11:06	535000		5630	5630	100	ug/kg dry	AB
Nickel	12	7440-02-0	SW6020B	12/20/2023 12:30	01/03/2024 10:20	28500		56.3	56.3	1	ug/kg dry	AB
Lead	12RE1	7439-92-1	SW6020B	12/20/2023 12:30	01/03/2024 11:06	73600		5630	5630	100	ug/kg dry	AB
Antimony	12	7440-36-0	SW6020B	12/20/2023 12:30	01/03/2024 10:20	265		56.3	56.3	1	ug/kg dry	AB
Selenium	12	7782-49-2	SW6020B	12/20/2023 12:30	01/03/2024 10:20	2130		56.3	56.3	1	ug/kg dry	AB
Thallium	12	7440-28-0	SW6020B	12/20/2023 12:30	01/03/2024 10:20	86.8		56.3	56.3	1	ug/kg dry	AB
Vanadium	12RE1	7440-62-2	SW6020B	12/20/2023 12:30	01/03/2024 11:06	77900		28100	28100	100	ug/kg dry	AB
Zinc	12RE1	7440-66-6	SW6020B	12/20/2023 12:30	01/03/2024 11:06	106000		28100	28100	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	12	630-20-6	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
1,1,1-Trichloroethane	12	71-55-6	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	12	79-34-5	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
1,1,2-Trichloroethane	12	79-00-5	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
1,1-Dichloroethane	12	75-34-3	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
1,1-Dichloroethylene	12	75-35-4	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB

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Client Sample ID: **DUP-5** **Laboratory Sample ID:** **23L1137-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	12	563-58-6	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	12	87-61-6	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
1,2,3-Trichloropropane	12	96-18-4	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	12	120-82-1	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	12	95-63-6	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	12	96-12-8	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	12	106-93-4	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
1,2-Dichlorobenzene	12	95-50-1	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
1,2-Dichloroethane	12	107-06-2	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
1,2-Dichloropropane	12	78-87-5	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	12	108-67-8	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
1,3-Dichlorobenzene	12	541-73-1	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
1,3-Dichloropropane	12	142-28-9	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
1,4-Dichlorobenzene	12	106-46-7	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
2,2-Dichloropropane	12	594-20-7	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
2-Butanone (MEK)	12	78-93-3	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
2-Chlorotoluene	12	95-49-8	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
2-Hexanone (MBK)	12	591-78-6	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
4-Chlorotoluene	12	106-43-4	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
4-Isopropyltoluene	12	99-87-6	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	12	108-10-1	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
Acetone	12	67-64-1	SW8260D	12/20/2023 17:17	12/20/2023 17:17	47.5		9.73	10.0	1	ug/kg dry	RJB
Benzene	12	71-43-2	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
Bromobenzene	12	108-86-1	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	12	74-97-5	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
Bromodichloromethane	12	75-27-4	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
Bromoform	12	75-25-2	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD	C	4.86	5.00	1	ug/kg dry	RJB
Bromomethane	12	74-83-9	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
Carbon disulfide	12	75-15-0	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
Carbon tetrachloride	12	56-23-5	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
Chlorobenzene	12	108-90-7	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
Chloroethane	12	75-00-3	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
Chloroform	12	67-66-3	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
Chloromethane	12	74-87-3	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	12	156-59-2	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	12	10061-01-5	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
Dibromochloromethane	12	124-48-1	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
Dibromomethane	12	74-95-3	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
Dichlorodifluoromethane	12	75-71-8	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	12	108-20-3	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
Ethylbenzene	12	100-41-4	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
Hexachlorobutadiene	12	87-68-3	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
Iodomethane	12	74-88-4	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		9.73	10.0	1	ug/kg dry	RJB
Isopropylbenzene	12	98-82-8	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
m+p-Xylenes	12	179601-23-1	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
Methylene chloride	12	75-09-2	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	12	1634-04-4	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **DUP-5** **Laboratory Sample ID:** **23L1137-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	12	91-20-3	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
n-Butylbenzene	12	104-51-8	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
n-Propylbenzene	12	103-65-1	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
o-Xylene	12	95-47-6	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
sec-Butylbenzene	12	135-98-8	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
Styrene	12	100-42-5	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
tert-Butylbenzene	12	98-06-6	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	12	127-18-4	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
Toluene	12	108-88-3	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	12	156-60-5	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	12	10061-02-6	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
Trichloroethylene	12	79-01-6	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
Trichlorofluoromethane	12	75-69-4	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
Vinyl acetate	12	108-05-4	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	10.0	1	ug/kg dry	RJB
Vinyl chloride	12	75-01-4	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		4.86	5.00	1	ug/kg dry	RJB
Xylenes, Total	12	1330-20-7	SW8260D	12/20/2023 17:17	12/20/2023 17:17	BLOD		14.6	15.0	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*12*		*115 %*	*80-120*	*12/20/2023 17:17*	*12/20/2023 17:17*						
Surr: 4-Bromofluorobenzene (Surr)	*12*		*97.3 %*	*85-120*	*12/20/2023 17:17*	*12/20/2023 17:17*						
Surr: Dibromofluoromethane (Surr)	*12*		*105 %*	*80-130*	*12/20/2023 17:17*	*12/20/2023 17:17*						
Surr: Toluene-d8 (Surr)	*12*		*101 %*	*85-115*	*12/20/2023 17:17*	*12/20/2023 17:17*						

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Client Sample ID: **DUP-5** **Laboratory Sample ID:** **23L1137-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	12	123-91-1	SW8270E SIM	12/20/2023 15:00	12/21/2023 23:27	BLOD		4.05	4.05	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*12*	*36.0 %*	*35-100*	*12/20/2023 15:00*	*12/21/2023 23:27*							
1,2,4,5-Tetrachlorobenzene	12	95-94-3	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
1,2,4-Trichlorobenzene	12	120-82-1	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
1,2-Dichlorobenzene	12	95-50-1	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
1,2-Diphenylhydrazine	12	122-66-7	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
1,3-Dichlorobenzene	12	541-73-1	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
1,3-Dinitrobenzene	12	99-65-0	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
1,4-Dichlorobenzene	12	106-46-7	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
1-Chloronaphthalene	12	90-13-1	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
1-Naphthylamine	12	134-32-7	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	12	58-90-2	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
2,4,5-Trichlorophenol	12	95-95-4	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
2,4,6-Trichlorophenol	12	88-06-2	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
2,4-Dichlorophenol	12	120-83-2	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
2,4-Dimethylphenol	12	105-67-9	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
2,4-Dinitrophenol	12	51-28-5	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
2,4-Dinitrotoluene	12	121-14-2	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
2,6-Dichlorophenol	12	87-65-0	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
2,6-Dinitrotoluene	12	606-20-2	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
2-Chloronaphthalene	12	91-58-7	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
2-Chlorophenol	12	95-57-8	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
2-Methylnaphthalene	12	91-57-6	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS

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Client Sample ID: **DUP-5** **Laboratory Sample ID:** **23L1137-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	12	91-59-8	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
2-Nitroaniline	12	88-74-4	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
2-Nitrophenol	12	88-75-5	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
3,3'-Dichlorobenzidine	12	91-94-1	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
3-Methylcholanthrene	12	56-49-5	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
3-Nitroaniline	12	99-09-2	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	12	534-52-1	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
4-Aminobiphenyl	12	92-67-1	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
4-Bromophenyl phenyl ether	12	101-55-3	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
4-Chloroaniline	12	106-47-8	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	12	7005-72-3	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
4-Nitroaniline	12	100-01-6	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
4-Nitrophenol	12	100-02-7	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	12	57-97-6	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Acenaphthene	12	83-32-9	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Acenaphthylene	12	208-96-8	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Acetophenone	12	98-86-2	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Aniline	12	62-53-3	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Anthracene	12	120-12-7	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Benzidine	12	92-87-5	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Benzo (a) anthracene	12	56-55-3	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Benzo (a) pyrene	12	50-32-8	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Benzo (b) fluoranthene	12	205-99-2	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Benzo (g,h,i) perylene	12	191-24-2	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	12	207-08-9	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Benzoic acid	12	65-85-0	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Benzyl alcohol	12	100-51-6	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	12	111-91-1	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
bis (2-Chloroethyl) ether	12	111-44-4	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	12	108-60-1	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	12	117-81-7	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Butyl benzyl phthalate	12	85-68-7	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Chrysene	12	218-01-9	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Dibenz (a,h) anthracene	12	53-70-3	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Dibenz (a,j) acridine	12	224-42-0	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Dibenzofuran	12	132-64-9	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Diethyl phthalate	12	84-66-2	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Dimethyl phthalate	12	131-11-3	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Di-n-butyl phthalate	12	84-74-2	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Di-n-octyl phthalate	12	117-84-0	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Diphenylamine	12	122-39-4	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Ethyl methanesulfonate	12	62-50-0	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Fluoranthene	12	206-44-0	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Fluorene	12	86-73-7	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Hexachlorobenzene	12	118-74-1	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Hexachlorobutadiene	12	87-68-3	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Hexachlorocyclopentadiene	12	77-47-4	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Hexachloroethane	12	67-72-1	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	12	193-39-5	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Isophorone	12	78-59-1	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
m+p-Cresols	12	1319-77-3	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Methyl methanesulfonate	12	66-27-3	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Naphthalene	12	91-20-3	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Nitrobenzene	12	98-95-3	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
n-Nitrosodimethylamine	12	62-75-9	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	12	924-16-3	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	12	621-64-7	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
n-Nitrosodiphenylamine	12	86-30-6	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
n-Nitrosopiperidine	12	100-75-4	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
o+m+p-Cresols	12	1319-77-3	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
o-Cresol	12	95-48-7	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	12	60-11-7	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
p-Chloro-m-cresol	12	59-50-7	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	12	82-68-8	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Pentachlorophenol	12	87-86-5	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Phenacetin	12	62-44-2	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Phenanthrene	12	85-01-8	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Phenol	12	108-95-2	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Pronamide	12	23950-58-5	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Pyrene	12	129-00-0	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Pyridine	12	110-86-1	SW8270E	12/20/2023 15:00	12/27/2023 18:39	BLOD		405	405	4	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*12*	*35.1 %*	*15-96*	*12/20/2023 15:00*	*12/27/2023 18:39*							

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **DUP-5** **Laboratory Sample ID:** **23L1137-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*12*		*26.6 %*	*19-105*	*12/20/2023 15:00*	*12/27/2023 18:39*						
Surr: 2-Fluorophenol (Surr)	*12*		*33.4 %*	*12-95*	*12/20/2023 15:00*	*12/27/2023 18:39*						
Surr: Nitrobenzene-d5 (Surr)	*12*		*20.5 %*	*21-100*	*12/20/2023 15:00*	*12/27/2023 18:39*						*DS*
Surr: Phenol-d5 (Surr)	*12*		*29.7 %*	*13-100*	*12/20/2023 15:00*	*12/27/2023 18:39*						
Surr: p-Terphenyl-d14 (Surr)	*12*		*35.7 %*	*25-125*	*12/20/2023 15:00*	*12/27/2023 18:39*						

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Client Sample ID: **DUP-5** **Laboratory Sample ID:** **23L1137-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	12	14808-79-8	SW9056A	12/20/2023 10:00	12/20/2023 20:57	6.23	J	3.07	12.3	1	mg/kg dry	ATG

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Client Sample ID: **DUP-5** **Laboratory Sample ID:** **23L1137-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	12	7664-41-7	EPA350.1 R2.0	01/02/2024 15:01	01/02/2024 15:01	BLOD		11.6	11.6	1	mg/kg dry	SPH
Chromium, Hexavalent	12	18540-29-9	SW7199	01/02/2024 09:00	01/03/2024 04:43	0.92		0.25	0.25	1	mg/kg dry	MGC
Nitrate as N	12	14797-55-8	SW9056A	12/20/2023 10:00	12/20/2023 20:57	1.75	J	1.23	2.45	1	mg/kg dry	ATG
Percent Solids	12	NA	SM2540G-2011	12/22/2023 11:45	12/22/2023 11:45	81.5		0.10	0.10	1	%	KJM

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **Trip Blank** **Laboratory Sample ID:** **23L1137-13**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	13	630-20-6	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.40	0.40	1	ug/L	RJB
1,1,1-Trichloroethane	13	71-55-6	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.60	1.00	1	ug/L	RJB
1,1,2,2-Tetrachloroethane	13	79-34-5	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.30	0.40	1	ug/L	RJB
1,1,2-Trichloroethane	13	79-00-5	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.50	1.00	1	ug/L	RJB
1,1-Dichloroethane	13	75-34-3	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.60	1.00	1	ug/L	RJB
1,1-Dichloroethylene	13	75-35-4	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.70	1.00	1	ug/L	RJB
1,1-Dichloropropene	13	563-58-6	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.60	1.00	1	ug/L	RJB
1,2,3-Trichlorobenzene	13	87-61-6	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.70	1.00	1	ug/L	RJB
1,2,3-Trichloropropane	13	96-18-4	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.40	1.00	1	ug/L	RJB
1,2,4-Trichlorobenzene	13	120-82-1	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.50	1.00	1	ug/L	RJB
1,2,4-Trimethylbenzene	13	95-63-6	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.40	1.00	1	ug/L	RJB
1,2-Dibromo-3-chloropropane (DBCP)	13	96-12-8	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.60	1.00	1	ug/L	RJB
1,2-Dibromoethane (EDB)	13	106-93-4	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.40	1.00	1	ug/L	RJB
1,2-Dichlorobenzene	13	95-50-1	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.40	0.50	1	ug/L	RJB
1,2-Dichloroethane	13	107-06-2	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.70	1.00	1	ug/L	RJB
1,2-Dichloropropane	13	78-87-5	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.40	0.50	1	ug/L	RJB
1,3,5-Trimethylbenzene	13	108-67-8	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.90	1.00	1	ug/L	RJB
1,3-Dichlorobenzene	13	541-73-1	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.30	1.00	1	ug/L	RJB
1,3-Dichloropropane	13	142-28-9	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		1.00	1.00	1	ug/L	RJB
1,4-Dichlorobenzene	13	106-46-7	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.40	1.00	1	ug/L	RJB
2,2-Dichloropropane	13	594-20-7	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.60	1.00	1	ug/L	RJB
2-Butanone (MEK)	13	78-93-3	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		3.00	10.0	1	ug/L	RJB
2-Chlorotoluene	13	95-49-8	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.50	1.00	1	ug/L	RJB
2-Hexanone (MBK)	13	591-78-6	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		2.20	5.00	1	ug/L	RJB

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **Trip Blank** **Laboratory Sample ID:** **23L1137-13**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
4-Chlorotoluene	13	106-43-4	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.50	1.00	1	ug/L	RJB
4-Isopropyltoluene	13	99-87-6	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.40	1.00	1	ug/L	RJB
4-Methyl-2-pentanone (MIBK)	13	108-10-1	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		1.50	5.00	1	ug/L	RJB
Acetone	13	67-64-1	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		7.00	10.0	1	ug/L	RJB
Benzene	13	71-43-2	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.40	1.00	1	ug/L	RJB
Bromobenzene	13	108-86-1	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.50	1.00	1	ug/L	RJB
Bromochloromethane	13	74-97-5	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.50	1.00	1	ug/L	RJB
Bromodichloromethane	13	75-27-4	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.40	0.50	1	ug/L	RJB
Bromoform	13	75-25-2	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.40	1.00	1	ug/L	RJB
Bromomethane	13	74-83-9	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.80	1.00	1	ug/L	RJB
Carbon disulfide	13	75-15-0	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		5.00	10.0	1	ug/L	RJB
Carbon tetrachloride	13	56-23-5	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.50	1.00	1	ug/L	RJB
Chlorobenzene	13	108-90-7	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.40	1.00	1	ug/L	RJB
Chloroethane	13	75-00-3	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.70	1.00	1	ug/L	RJB
Chloroform	13	67-66-3	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.50	0.50	1	ug/L	RJB
Chloromethane	13	74-87-3	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.95	1.00	1	ug/L	RJB
cis-1,2-Dichloroethylene	13	156-59-2	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.40	1.00	1	ug/L	RJB
cis-1,3-Dichloropropene	13	10061-01-5	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.30	1.00	1	ug/L	RJB
Dibromochloromethane	13	124-48-1	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.35	0.50	1	ug/L	RJB
Dibromomethane	13	74-95-3	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.40	1.00	1	ug/L	RJB
Dichlorodifluoromethane	13	75-71-8	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.95	1.00	1	ug/L	RJB
Di-isopropyl ether (DIPE)	13	108-20-3	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		3.00	5.00	1	ug/L	RJB
Ethylbenzene	13	100-41-4	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.40	1.00	1	ug/L	RJB
Hexachlorobutadiene	13	87-68-3	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.60	0.80	1	ug/L	RJB

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **Trip Blank** **Laboratory Sample ID:** **23L1137-13**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Iodomethane	13	74-88-4	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		6.00	10.0	1	ug/L	RJB
Isopropylbenzene	13	98-82-8	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.50	1.00	1	ug/L	RJB
m+p-Xylenes	13	179601-23-1	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.60	2.00	1	ug/L	RJB
Methylene chloride	13	75-09-2	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		4.00	4.00	1	ug/L	RJB
Methyl-t-butyl ether (MTBE)	13	1634-04-4	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.60	1.00	1	ug/L	RJB
Naphthalene	13	91-20-3	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.80	1.00	1	ug/L	RJB
n-Butylbenzene	13	104-51-8	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.40	1.00	1	ug/L	RJB
n-Propylbenzene	13	103-65-1	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.40	1.00	1	ug/L	RJB
o-Xylene	13	95-47-6	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.40	1.00	1	ug/L	RJB
sec-Butylbenzene	13	135-98-8	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.40	1.00	1	ug/L	RJB
Styrene	13	100-42-5	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.40	1.00	1	ug/L	RJB
tert-Butylbenzene	13	98-06-6	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.40	1.00	1	ug/L	RJB
Tetrachloroethylene (PCE)	13	127-18-4	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.40	1.00	1	ug/L	RJB
Toluene	13	108-88-3	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.50	1.00	1	ug/L	RJB
trans-1,2-Dichloroethylene	13	156-60-5	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.60	1.00	1	ug/L	RJB
trans-1,3-Dichloropropene	13	10061-02-6	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.30	1.00	1	ug/L	RJB
Trichloroethylene	13	79-01-6	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.40	1.00	1	ug/L	RJB
Trichlorofluoromethane	13	75-69-4	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.80	1.00	1	ug/L	RJB
Vinyl acetate	13	108-05-4	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		2.00	10.0	1	ug/L	RJB
Vinyl chloride	13	75-01-4	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		0.50	0.50	1	ug/L	RJB
Xylenes, Total	13	1330-20-7	SW8260D	12/20/2023 11:52	12/20/2023 11:52	BLOD		1.00	3.00	1	ug/L	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*13*		*83.4 %*	*70-120*	*12/20/2023 11:52*	*12/20/2023 11:52*						
Surr: 4-Bromofluorobenzene (Surr)	*13*		*95.2 %*	*75-120*	*12/20/2023 11:52*	*12/20/2023 11:52*						
Surr: Dibromofluoromethane (Surr)	*13*		*86.0 %*	*70-130*	*12/20/2023 11:52*	*12/20/2023 11:52*						

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **Trip Blank** **Laboratory Sample ID:** **23L1137-13**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Volatile Organic Compounds by GCMS												
Surr: Toluene-d8 (Surr)	*13*		*94.2 %*	*70-130*	*12/20/2023 11:52*	*12/20/2023 11:52*						

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Client Sample ID: **SC-1** **Laboratory Sample ID:** **23L1228-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	01	7440-22-4	SW6020B	12/27/2023 11:15	01/04/2024 12:06	99.3		2.91	2.91	1	ug/kg dry	AB
Arsenic	01	7440-38-2	SW6020B	12/27/2023 11:15	01/04/2024 12:06	2840		58.2	58.2	1	ug/kg dry	AB
Barium	01RE1	7440-39-3	SW6020B	12/27/2023 11:15	01/04/2024 13:14	147000		58200	58200	100	ug/kg dry	AB
Beryllium	01	7440-41-7	SW6020B	12/27/2023 11:15	01/04/2024 12:06	651		58.2	58.2	1	ug/kg dry	AB
Cadmium	01	7440-43-9	SW6020B	12/27/2023 11:15	01/04/2024 12:06	882		58.2	58.2	1	ug/kg dry	AB
Cobalt	01	7440-48-4	SW6020B	12/27/2023 11:15	01/04/2024 12:06	22900		58.2	58.2	1	ug/kg dry	AB
Chromium	01RE1	7440-47-3	SW6020B	12/27/2023 11:15	01/04/2024 13:14	67700		5820	5820	100	ug/kg dry	AB
Copper	01RE1	7440-50-8	SW6020B	12/27/2023 11:15	01/04/2024 13:14	68700		5820	5820	100	ug/kg dry	AB
Mercury	01	7439-97-6	SW7471B	01/08/2024 09:32	01/08/2024 13:04	0.048		0.010	0.010	1	mg/kg dry	AB
Manganese	01RE1	7439-96-5	SW6020B	12/27/2023 11:15	01/04/2024 13:14	615000		5820	5820	100	ug/kg dry	AB
Nickel	01	7440-02-0	SW6020B	12/27/2023 11:15	01/04/2024 12:06	27700		58.2	58.2	1	ug/kg dry	AB
Lead	01RE1	7439-92-1	SW6020B	12/27/2023 11:15	01/04/2024 13:14	76000		5820	5820	100	ug/kg dry	AB
Antimony	01	7440-36-0	SW6020B	12/27/2023 11:15	01/04/2024 12:06	276		58.2	58.2	1	ug/kg dry	AB
Selenium	01	7782-49-2	SW6020B	12/27/2023 11:15	01/04/2024 12:06	2940		58.2	58.2	1	ug/kg dry	AB
Thallium	01	7440-28-0	SW6020B	12/27/2023 11:15	01/04/2024 12:06	140		58.2	58.2	1	ug/kg dry	AB
Vanadium	01RE1	7440-62-2	SW6020B	12/27/2023 11:15	01/04/2024 13:14	113000		29100	29100	100	ug/kg dry	AB
Zinc	01RE1	7440-66-6	SW6020B	12/27/2023 11:15	01/04/2024 13:14	133000		29100	29100	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	01	630-20-6	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
1,1,1-Trichloroethane	01	71-55-6	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	01	79-34-5	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
1,1,2-Trichloroethane	01	79-00-5	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
1,1-Dichloroethane	01	75-34-3	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
1,1-Dichloroethylene	01	75-35-4	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB

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Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-1** **Laboratory Sample ID:** **23L1228-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	01	563-58-6	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	01	87-61-6	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
1,2,3-Trichloropropane	01	96-18-4	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	01	120-82-1	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	01	95-63-6	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	01	96-12-8	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	01	106-93-4	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
1,2-Dichlorobenzene	01	95-50-1	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
1,2-Dichloroethane	01	107-06-2	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
1,2-Dichloropropane	01	78-87-5	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	01	108-67-8	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
1,3-Dichlorobenzene	01	541-73-1	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
1,3-Dichloropropane	01	142-28-9	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
1,4-Dichlorobenzene	01	106-46-7	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
2,2-Dichloropropane	01	594-20-7	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
2-Butanone (MEK)	01	78-93-3	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
2-Chlorotoluene	01	95-49-8	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
2-Hexanone (MBK)	01	591-78-6	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
4-Chlorotoluene	01	106-43-4	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
4-Isopropyltoluene	01	99-87-6	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	01	108-10-1	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
Acetone	01	67-64-1	SW8260D	12/21/2023 14:24	12/21/2023 14:24	37.1		10.0	10.0	1	ug/kg dry	RJB
Benzene	01	71-43-2	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
Bromobenzene	01	108-86-1	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-1 **Laboratory Sample ID:** 23L1228-01

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	01	74-97-5	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
Bromodichloromethane	01	75-27-4	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
Bromoform	01	75-25-2	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD	C	5.00	5.00	1	ug/kg dry	RJB
Bromomethane	01	74-83-9	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
Carbon disulfide	01	75-15-0	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
Carbon tetrachloride	01	56-23-5	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
Chlorobenzene	01	108-90-7	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
Chloroethane	01	75-00-3	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
Chloroform	01	67-66-3	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
Chloromethane	01	74-87-3	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	01	156-59-2	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	01	10061-01-5	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
Dibromochloromethane	01	124-48-1	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
Dibromomethane	01	74-95-3	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
Dichlorodifluoromethane	01	75-71-8	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	01	108-20-3	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
Ethylbenzene	01	100-41-4	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
Hexachlorobutadiene	01	87-68-3	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
Iodomethane	01	74-88-4	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		10.0	10.0	1	ug/kg dry	RJB
Isopropylbenzene	01	98-82-8	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
m+p-Xylenes	01	179601-23-1	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
Methylene chloride	01	75-09-2	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	01	1634-04-4	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-1 **Laboratory Sample ID:** 23L1228-01

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	01	91-20-3	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
n-Butylbenzene	01	104-51-8	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
n-Propylbenzene	01	103-65-1	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
o-Xylene	01	95-47-6	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
sec-Butylbenzene	01	135-98-8	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
Styrene	01	100-42-5	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
tert-Butylbenzene	01	98-06-6	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	01	127-18-4	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
Toluene	01	108-88-3	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	01	156-60-5	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	01	10061-02-6	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
Trichloroethylene	01	79-01-6	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
Trichlorofluoromethane	01	75-69-4	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
Vinyl acetate	01	108-05-4	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	10.0	1	ug/kg dry	RJB
Vinyl chloride	01	75-01-4	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		5.00	5.00	1	ug/kg dry	RJB
Xylenes, Total	01	1330-20-7	SW8260D	12/21/2023 14:24	12/21/2023 14:24	BLOD		15.0	15.0	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*01*		*109 %*	*80-120*	*12/21/2023 14:24*	*12/21/2023 14:24*						
Surr: 4-Bromofluorobenzene (Surr)	*01*		*95.4 %*	*85-120*	*12/21/2023 14:24*	*12/21/2023 14:24*						
Surr: Dibromofluoromethane (Surr)	*01*		*105 %*	*80-130*	*12/21/2023 14:24*	*12/21/2023 14:24*						
Surr: Toluene-d8 (Surr)	*01*		*99.9 %*	*85-115*	*12/21/2023 14:24*	*12/21/2023 14:24*						

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Client Sample ID: **SC-1** **Laboratory Sample ID:** **23L1228-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	01	123-91-1	SW8270E SIM	12/22/2023 08:45	12/22/2023 18:39	BLOD		8.25	8.25	2	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*01*	*54.7 %*	*35-100*	*12/22/2023 08:45*	*12/22/2023 18:39*							
1,2,4,5-Tetrachlorobenzene	01	95-94-3	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
1,2,4-Trichlorobenzene	01	120-82-1	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
1,2-Dichlorobenzene	01	95-50-1	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
1,2-Diphenylhydrazine	01	122-66-7	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
1,3-Dichlorobenzene	01	541-73-1	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
1,3-Dinitrobenzene	01	99-65-0	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
1,4-Dichlorobenzene	01	106-46-7	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
1-Chloronaphthalene	01	90-13-1	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
1-Naphthylamine	01	134-32-7	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	01	58-90-2	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
2,4,5-Trichlorophenol	01	95-95-4	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
2,4,6-Trichlorophenol	01	88-06-2	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
2,4-Dichlorophenol	01	120-83-2	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
2,4-Dimethylphenol	01	105-67-9	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
2,4-Dinitrophenol	01	51-28-5	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
2,4-Dinitrotoluene	01	121-14-2	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
2,6-Dichlorophenol	01	87-65-0	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
2,6-Dinitrotoluene	01	606-20-2	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
2-Chloronaphthalene	01	91-58-7	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
2-Chlorophenol	01	95-57-8	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
2-Methylnaphthalene	01	91-57-6	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS

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Client Sample ID: SC-1 **Laboratory Sample ID:** 23L1228-01

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	01	91-59-8	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
2-Nitroaniline	01	88-74-4	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
2-Nitrophenol	01	88-75-5	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
3,3'-Dichlorobenzidine	01	91-94-1	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
3-Methylcholanthrene	01	56-49-5	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
3-Nitroaniline	01	99-09-2	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	01	534-52-1	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
4-Aminobiphenyl	01	92-67-1	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
4-Bromophenyl phenyl ether	01	101-55-3	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
4-Chloroaniline	01	106-47-8	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	01	7005-72-3	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
4-Nitroaniline	01	100-01-6	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
4-Nitrophenol	01	100-02-7	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	01	57-97-6	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Acenaphthene	01	83-32-9	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Acenaphthylene	01	208-96-8	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Acetophenone	01	98-86-2	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Aniline	01	62-53-3	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Anthracene	01	120-12-7	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Benzidine	01	92-87-5	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Benzo (a) anthracene	01	56-55-3	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Benzo (a) pyrene	01	50-32-8	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Benzo (b) fluoranthene	01	205-99-2	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Benzo (g,h,i) perylene	01	191-24-2	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-1 **Laboratory Sample ID:** 23L1228-01

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	01	207-08-9	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Benzoic acid	01	65-85-0	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Benzyl alcohol	01	100-51-6	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	01	111-91-1	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
bis (2-Chloroethyl) ether	01	111-44-4	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	01	108-60-1	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	01	117-81-7	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Butyl benzyl phthalate	01	85-68-7	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Chrysene	01	218-01-9	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Dibenz (a,h) anthracene	01	53-70-3	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Dibenz (a,j) acridine	01	224-42-0	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Dibenzofuran	01	132-64-9	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Diethyl phthalate	01	84-66-2	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Dimethyl phthalate	01	131-11-3	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Di-n-butyl phthalate	01	84-74-2	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Di-n-octyl phthalate	01	117-84-0	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Diphenylamine	01	122-39-4	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Ethyl methanesulfonate	01	62-50-0	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Fluoranthene	01	206-44-0	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Fluorene	01	86-73-7	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Hexachlorobenzene	01	118-74-1	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Hexachlorobutadiene	01	87-68-3	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Hexachlorocyclopentadiene	01	77-47-4	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Hexachloroethane	01	67-72-1	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS

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Client Sample ID: SC-1 **Laboratory Sample ID:** 23L1228-01

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	01	193-39-5	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Isophorone	01	78-59-1	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
m+p-Cresols	01	1319-77-3	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Methyl methanesulfonate	01	66-27-3	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Naphthalene	01	91-20-3	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Nitrobenzene	01	98-95-3	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
n-Nitrosodimethylamine	01	62-75-9	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	01	924-16-3	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	01	621-64-7	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
n-Nitrosodiphenylamine	01	86-30-6	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
n-Nitrosopiperidine	01	100-75-4	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
o+m+p-Cresols	01	1319-77-3	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
o-Cresol	01	95-48-7	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	01	60-11-7	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
p-Chloro-m-cresol	01	59-50-7	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	01	82-68-8	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Pentachlorophenol	01	87-86-5	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Phenacetin	01	62-44-2	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Phenanthrene	01	85-01-8	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Phenol	01	108-95-2	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Pronamide	01	23950-58-5	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Pyrene	01	129-00-0	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Pyridine	01	110-86-1	SW8270E	12/22/2023 08:45	12/27/2023 17:27	BLOD		1030	1030	10	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*01*		*21.0 %*	*15-96*	*12/22/2023 08:45*	*12/27/2023 17:27*						

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Client Sample ID: **SC-1** **Laboratory Sample ID:** **23L1228-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*01*		*%*	*19-105*	*12/22/2023 08:45*	*12/27/2023 17:27*						*DS*
Surr: 2-Fluorophenol (Surr)	*01*		*36.7 %*	*12-95*	*12/22/2023 08:45*	*12/27/2023 17:27*						
Surr: Nitrobenzene-d5 (Surr)	*01*		*34.2 %*	*21-100*	*12/22/2023 08:45*	*12/27/2023 17:27*						
Surr: Phenol-d5 (Surr)	*01*		*34.7 %*	*13-100*	*12/22/2023 08:45*	*12/27/2023 17:27*						
Surr: p-Terphenyl-d14 (Surr)	*01*		*14.8 %*	*25-125*	*12/22/2023 08:45*	*12/27/2023 17:27*						*DS*

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	01	14808-79-8	SW9056A	12/21/2023 10:00	12/21/2023 10:00	13.3		3.15	12.6	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	01	7664-41-7	EPA350.1 R2.0	01/02/2024 15:01	01/02/2024 15:01	BLOD		11.9	11.9	1	mg/kg dry	SPH
Chromium, Hexavalent	01	18540-29-9	SW7199	01/03/2024 09:00	01/04/2024 00:26	1.04		0.25	0.25	1	mg/kg dry	MGC
Nitrate as N	01	14797-55-8	SW9056A	12/21/2023 10:00	12/21/2023 10:00	BLOD		1.26	2.52	1	mg/kg dry	ATG
Percent Solids	01	NA	SM2540G-2011	12/22/2023 11:45	12/22/2023 11:45	79.5		0.10	0.10	1	%	KJM

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Client Sample ID: **SC-2** **Laboratory Sample ID:** **23L1228-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	02RE1	7440-22-4	SW6020B	12/27/2023 11:15	01/04/2024 13:17	2700		309	309	100	ug/kg dry	AB
Arsenic	02	7440-38-2	SW6020B	12/27/2023 11:15	01/04/2024 12:11	4860		61.7	61.7	1	ug/kg dry	AB
Barium	02RE1	7440-39-3	SW6020B	12/27/2023 11:15	01/04/2024 13:17	174000		61700	61700	100	ug/kg dry	AB
Beryllium	02	7440-41-7	SW6020B	12/27/2023 11:15	01/04/2024 12:11	545		61.7	61.7	1	ug/kg dry	AB
Cadmium	02	7440-43-9	SW6020B	12/27/2023 11:15	01/04/2024 12:11	1630		61.7	61.7	1	ug/kg dry	AB
Cobalt	02	7440-48-4	SW6020B	12/27/2023 11:15	01/04/2024 12:11	15600		61.7	61.7	1	ug/kg dry	AB
Chromium	02RE1	7440-47-3	SW6020B	12/27/2023 11:15	01/04/2024 13:17	83300		6170	6170	100	ug/kg dry	AB
Copper	02RE1	7440-50-8	SW6020B	12/27/2023 11:15	01/04/2024 13:17	107000		6170	6170	100	ug/kg dry	AB
Mercury	02RE1	7439-97-6	SW7471B	01/08/2024 09:32	01/08/2024 14:33	0.306		0.020	0.020	2	mg/kg dry	AB
Manganese	02RE1	7439-96-5	SW6020B	12/27/2023 11:15	01/04/2024 13:17	602000		6170	6170	100	ug/kg dry	AB
Nickel	02	7440-02-0	SW6020B	12/27/2023 11:15	01/04/2024 12:11	25800		61.7	61.7	1	ug/kg dry	AB
Lead	02RE1	7439-92-1	SW6020B	12/27/2023 11:15	01/04/2024 13:17	443000		6170	6170	100	ug/kg dry	AB
Antimony	02	7440-36-0	SW6020B	12/27/2023 11:15	01/04/2024 12:11	1660		61.7	61.7	1	ug/kg dry	AB
Selenium	02	7782-49-2	SW6020B	12/27/2023 11:15	01/04/2024 12:11	2890		61.7	61.7	1	ug/kg dry	AB
Thallium	02	7440-28-0	SW6020B	12/27/2023 11:15	01/04/2024 12:11	127		61.7	61.7	1	ug/kg dry	AB
Vanadium	02RE1	7440-62-2	SW6020B	12/27/2023 11:15	01/04/2024 13:17	78200		30900	30900	100	ug/kg dry	AB
Zinc	02RE1	7440-66-6	SW6020B	12/27/2023 11:15	01/04/2024 13:17	409000		30900	30900	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	02	630-20-6	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,1,1-Trichloroethane	02	71-55-6	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	02	79-34-5	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,1,2-Trichloroethane	02	79-00-5	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,1-Dichloroethane	02	75-34-3	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,1-Dichloroethylene	02	75-35-4	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	02	563-58-6	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	02	87-61-6	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,2,3-Trichloropropane	02	96-18-4	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	02	120-82-1	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	02	95-63-6	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	02	96-12-8	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	02	106-93-4	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,2-Dichlorobenzene	02	95-50-1	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,2-Dichloroethane	02	107-06-2	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,2-Dichloropropane	02	78-87-5	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	02	108-67-8	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,3-Dichlorobenzene	02	541-73-1	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,3-Dichloropropane	02	142-28-9	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
1,4-Dichlorobenzene	02	106-46-7	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
2,2-Dichloropropane	02	594-20-7	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
2-Butanone (MEK)	02	78-93-3	SW8260D	12/21/2023 15:11	12/21/2023 15:11	9.12		6.33	6.33	1	ug/kg dry	RJB
2-Chlorotoluene	02	95-49-8	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
2-Hexanone (MBK)	02	591-78-6	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
4-Chlorotoluene	02	106-43-4	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
4-Isopropyltoluene	02	99-87-6	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	02	108-10-1	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
Acetone	02	67-64-1	SW8260D	12/21/2023 15:11	12/21/2023 15:11	282		12.7	12.7	1	ug/kg dry	RJB
Benzene	02	71-43-2	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
Bromobenzene	02	108-86-1	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

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Client Sample ID: **SC-2** **Laboratory Sample ID:** **23L1228-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	02	74-97-5	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
Bromodichloromethane	02	75-27-4	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
Bromoform	02	75-25-2	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD	C	6.33	6.33	1	ug/kg dry	RJB
Bromomethane	02	74-83-9	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
Carbon disulfide	02	75-15-0	SW8260D	12/21/2023 15:11	12/21/2023 15:11	6.67		6.33	6.33	1	ug/kg dry	RJB
Carbon tetrachloride	02	56-23-5	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
Chlorobenzene	02	108-90-7	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
Chloroethane	02	75-00-3	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
Chloroform	02	67-66-3	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
Chloromethane	02	74-87-3	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	02	156-59-2	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	02	10061-01-5	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
Dibromochloromethane	02	124-48-1	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
Dibromomethane	02	74-95-3	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
Dichlorodifluoromethane	02	75-71-8	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	02	108-20-3	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
Ethylbenzene	02	100-41-4	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
Hexachlorobutadiene	02	87-68-3	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
Iodomethane	02	74-88-4	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		12.7	12.7	1	ug/kg dry	RJB
Isopropylbenzene	02	98-82-8	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
m+p-Xylenes	02	179601-23-1	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
Methylene chloride	02	75-09-2	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	02	1634-04-4	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB

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Client Sample ID: SC-2 **Laboratory Sample ID:** 23L1228-02

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	02	91-20-3	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
n-Butylbenzene	02	104-51-8	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
n-Propylbenzene	02	103-65-1	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
o-Xylene	02	95-47-6	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
sec-Butylbenzene	02	135-98-8	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
Styrene	02	100-42-5	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
tert-Butylbenzene	02	98-06-6	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	02	127-18-4	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
Toluene	02	108-88-3	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	02	156-60-5	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	02	10061-02-6	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
Trichloroethylene	02	79-01-6	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
Trichlorofluoromethane	02	75-69-4	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
Vinyl acetate	02	108-05-4	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	12.7	1	ug/kg dry	RJB
Vinyl chloride	02	75-01-4	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		6.33	6.33	1	ug/kg dry	RJB
Xylenes, Total	02	1330-20-7	SW8260D	12/21/2023 15:11	12/21/2023 15:11	BLOD		19.0	19.0	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*02*		*109 %*	*80-120*	*12/21/2023 15:11*	*12/21/2023 15:11*						
Surr: 4-Bromofluorobenzene (Surr)	*02*		*87.7 %*	*85-120*	*12/21/2023 15:11*	*12/21/2023 15:11*						
Surr: Dibromofluoromethane (Surr)	*02*		*107 %*	*80-130*	*12/21/2023 15:11*	*12/21/2023 15:11*						
Surr: Toluene-d8 (Surr)	*02*		*96.9 %*	*85-115*	*12/21/2023 15:11*	*12/21/2023 15:11*						

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Client Sample ID: **SC-2** **Laboratory Sample ID:** **23L1228-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	02	123-91-1	SW8270E SIM	12/22/2023 08:45	12/22/2023 19:06	BLOD		8.37	8.37	2	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*02*	*61.2 %*	*35-100*	*12/22/2023 08:45*	*12/22/2023 19:06*							
1,2,4,5-Tetrachlorobenzene	02	95-94-3	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
1,2,4-Trichlorobenzene	02	120-82-1	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
1,2-Dichlorobenzene	02	95-50-1	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
1,2-Diphenylhydrazine	02	122-66-7	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
1,3-Dichlorobenzene	02	541-73-1	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
1,3-Dinitrobenzene	02	99-65-0	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
1,4-Dichlorobenzene	02	106-46-7	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
1-Chloronaphthalene	02	90-13-1	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
1-Naphthylamine	02	134-32-7	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	02	58-90-2	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
2,4,5-Trichlorophenol	02	95-95-4	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
2,4,6-Trichlorophenol	02	88-06-2	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
2,4-Dichlorophenol	02	120-83-2	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
2,4-Dimethylphenol	02	105-67-9	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
2,4-Dinitrophenol	02	51-28-5	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
2,4-Dinitrotoluene	02	121-14-2	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
2,6-Dichlorophenol	02	87-65-0	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
2,6-Dinitrotoluene	02	606-20-2	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
2-Chloronaphthalene	02	91-58-7	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
2-Chlorophenol	02	95-57-8	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
2-Methylnaphthalene	02	91-57-6	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	02	91-59-8	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
2-Nitroaniline	02	88-74-4	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
2-Nitrophenol	02	88-75-5	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
3,3'-Dichlorobenzidine	02	91-94-1	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
3-Methylcholanthrene	02	56-49-5	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
3-Nitroaniline	02	99-09-2	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	02	534-52-1	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
4-Aminobiphenyl	02	92-67-1	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
4-Bromophenyl phenyl ether	02	101-55-3	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
4-Chloroaniline	02	106-47-8	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	02	7005-72-3	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
4-Nitroaniline	02	100-01-6	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
4-Nitrophenol	02	100-02-7	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	02	57-97-6	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Acenaphthene	02	83-32-9	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Acenaphthylene	02	208-96-8	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Acetophenone	02	98-86-2	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Aniline	02	62-53-3	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Anthracene	02	120-12-7	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Benzidine	02	92-87-5	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Benzo (a) anthracene	02	56-55-3	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Benzo (a) pyrene	02	50-32-8	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Benzo (b) fluoranthene	02	205-99-2	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Benzo (g,h,i) perylene	02	191-24-2	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	02	207-08-9	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Benzoic acid	02	65-85-0	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Benzyl alcohol	02	100-51-6	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	02	111-91-1	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
bis (2-Chloroethyl) ether	02	111-44-4	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	02	108-60-1	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	02	117-81-7	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Butyl benzyl phthalate	02	85-68-7	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Chrysene	02	218-01-9	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Dibenz (a,h) anthracene	02	53-70-3	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Dibenz (a,j) acridine	02	224-42-0	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Dibenzofuran	02	132-64-9	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Diethyl phthalate	02	84-66-2	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Dimethyl phthalate	02	131-11-3	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Di-n-butyl phthalate	02	84-74-2	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Di-n-octyl phthalate	02	117-84-0	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Diphenylamine	02	122-39-4	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Ethyl methanesulfonate	02	62-50-0	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Fluoranthene	02	206-44-0	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Fluorene	02	86-73-7	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Hexachlorobenzene	02	118-74-1	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Hexachlorobutadiene	02	87-68-3	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Hexachlorocyclopentadiene	02	77-47-4	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Hexachloroethane	02	67-72-1	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-2 **Laboratory Sample ID:** 23L1228-02

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	02	193-39-5	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Isophorone	02	78-59-1	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
m+p-Cresols	02	1319-77-3	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Methyl methanesulfonate	02	66-27-3	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Naphthalene	02	91-20-3	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Nitrobenzene	02	98-95-3	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
n-Nitrosodimethylamine	02	62-75-9	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	02	924-16-3	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	02	621-64-7	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
n-Nitrosodiphenylamine	02	86-30-6	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
n-Nitrosopiperidine	02	100-75-4	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
o+m+p-Cresols	02	1319-77-3	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
o-Cresol	02	95-48-7	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	02	60-11-7	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
p-Chloro-m-cresol	02	59-50-7	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	02	82-68-8	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Pentachlorophenol	02	87-86-5	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Phenacetin	02	62-44-2	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Phenanthrene	02	85-01-8	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Phenol	02	108-95-2	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Pronamide	02	23950-58-5	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Pyrene	02	129-00-0	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Pyridine	02	110-86-1	SW8270E	12/22/2023 08:45	12/27/2023 18:03	BLOD		105	105	1	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*02*	*0.860 %*	*15-96*	*12/22/2023 08:45*	*12/27/2023 18:03*							*S*

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Client Sample ID: **SC-2** **Laboratory Sample ID:** **23L1228-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*02*		*%*	*19-105*	*12/22/2023 08:45*	*12/27/2023 18:03*						*S*
Surr: 2-Fluorophenol (Surr)	*02*		*1.73 %*	*12-95*	*12/22/2023 08:45*	*12/27/2023 18:03*						*S*
Surr: Nitrobenzene-d5 (Surr)	*02*		*1.96 %*	*21-100*	*12/22/2023 08:45*	*12/27/2023 18:03*						*S*
Surr: Phenol-d5 (Surr)	*02*		*1.72 %*	*13-100*	*12/22/2023 08:45*	*12/27/2023 18:03*						*S*
Surr: p-Terphenyl-d14 (Surr)	*02*		*%*	*25-125*	*12/22/2023 08:45*	*12/27/2023 18:03*						*S*

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Client Sample ID: **SC-2** **Laboratory Sample ID:** **23L1228-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	02	14808-79-8	SW9056A	12/21/2023 10:00	12/21/2023 10:00	117		3.23	12.9	1	mg/kg dry	ATG

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Client Sample ID: **SC-2** **Laboratory Sample ID:** **23L1228-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	02	7664-41-7	EPA350.1 R2.0	01/02/2024 15:01	01/02/2024 15:01	BLOD		12.6	12.6	1	mg/kg dry	SPH
Chromium, Hexavalent	02	18540-29-9	SW7199	01/03/2024 09:00	01/04/2024 00:53	2.17		0.26	0.26	1	mg/kg dry	MGC
Nitrate as N	02	14797-55-8	SW9056A	12/21/2023 10:00	12/21/2023 10:00	BLOD		1.29	2.59	1	mg/kg dry	ATG
Percent Solids	02	NA	SM2540G-2011	12/22/2023 15:31	12/22/2023 15:31	77.3		0.10	0.10	1	%	KJM

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Client Sample ID: **SC-5** **Laboratory Sample ID:** **23L1228-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	03	7440-22-4	SW6020B	12/27/2023 11:15	01/04/2024 12:14	38.9		2.97	2.97	1	ug/kg dry	AB
Arsenic	03	7440-38-2	SW6020B	12/27/2023 11:15	01/04/2024 12:14	2980		59.4	59.4	1	ug/kg dry	AB
Barium	03RE1	7440-39-3	SW6020B	12/27/2023 11:15	01/04/2024 13:20	155000		59400	59400	100	ug/kg dry	AB
Beryllium	03	7440-41-7	SW6020B	12/27/2023 11:15	01/04/2024 12:14	913		59.4	59.4	1	ug/kg dry	AB
Cadmium	03	7440-43-9	SW6020B	12/27/2023 11:15	01/04/2024 12:14	BLOD		59.4	59.4	1	ug/kg dry	AB
Cobalt	03	7440-48-4	SW6020B	12/27/2023 11:15	01/04/2024 12:14	20100		59.4	59.4	1	ug/kg dry	AB
Chromium	03RE1	7440-47-3	SW6020B	12/27/2023 11:15	01/04/2024 13:20	71300		5940	5940	100	ug/kg dry	AB
Copper	03RE1	7440-50-8	SW6020B	12/27/2023 11:15	01/04/2024 13:20	85900		5940	5940	100	ug/kg dry	AB
Mercury	03	7439-97-6	SW7471B	01/08/2024 09:32	01/08/2024 13:15	0.059		0.010	0.010	1	mg/kg dry	AB
Manganese	03RE1	7439-96-5	SW6020B	12/27/2023 11:15	01/04/2024 13:20	835000		5940	5940	100	ug/kg dry	AB
Nickel	03	7440-02-0	SW6020B	12/27/2023 11:15	01/04/2024 12:14	27100		59.4	59.4	1	ug/kg dry	AB
Lead	03	7439-92-1	SW6020B	12/27/2023 11:15	01/04/2024 12:14	15300		59.4	59.4	1	ug/kg dry	AB
Antimony	03	7440-36-0	SW6020B	12/27/2023 11:15	01/04/2024 12:14	135		59.4	59.4	1	ug/kg dry	AB
Selenium	03	7782-49-2	SW6020B	12/27/2023 11:15	01/04/2024 12:14	6980		59.4	59.4	1	ug/kg dry	AB
Thallium	03	7440-28-0	SW6020B	12/27/2023 11:15	01/04/2024 12:14	81.2		59.4	59.4	1	ug/kg dry	AB
Vanadium	03RE1	7440-62-2	SW6020B	12/27/2023 11:15	01/04/2024 13:20	133000		29700	29700	100	ug/kg dry	AB
Zinc	03RE1	7440-66-6	SW6020B	12/27/2023 11:15	01/04/2024 13:20	78400		29700	29700	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	03	630-20-6	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
1,1,1-Trichloroethane	03	71-55-6	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	03	79-34-5	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
1,1,2-Trichloroethane	03	79-00-5	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
1,1-Dichloroethane	03	75-34-3	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
1,1-Dichloroethylene	03	75-35-4	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB

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Client Sample ID: **SC-5** **Laboratory Sample ID:** **23L1228-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	03	563-58-6	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	03	87-61-6	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
1,2,3-Trichloropropane	03	96-18-4	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	03	120-82-1	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	03	95-63-6	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	03	96-12-8	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	03	106-93-4	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
1,2-Dichlorobenzene	03	95-50-1	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
1,2-Dichloroethane	03	107-06-2	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
1,2-Dichloropropane	03	78-87-5	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	03	108-67-8	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
1,3-Dichlorobenzene	03	541-73-1	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
1,3-Dichloropropane	03	142-28-9	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
1,4-Dichlorobenzene	03	106-46-7	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
2,2-Dichloropropane	03	594-20-7	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
2-Butanone (MEK)	03	78-93-3	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
2-Chlorotoluene	03	95-49-8	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
2-Hexanone (MBK)	03	591-78-6	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
4-Chlorotoluene	03	106-43-4	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
4-Isopropyltoluene	03	99-87-6	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	03	108-10-1	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
Acetone	03	67-64-1	SW8260D	12/21/2023 15:34	12/21/2023 15:34	34.9		11.2	11.2	1	ug/kg dry	RJB
Benzene	03	71-43-2	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
Bromobenzene	03	108-86-1	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB

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Client Sample ID: SC-5 **Laboratory Sample ID:** 23L1228-03

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	03	74-97-5	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
Bromodichloromethane	03	75-27-4	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
Bromoform	03	75-25-2	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD	C	5.58	5.58	1	ug/kg dry	RJB
Bromomethane	03	74-83-9	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
Carbon disulfide	03	75-15-0	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
Carbon tetrachloride	03	56-23-5	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
Chlorobenzene	03	108-90-7	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
Chloroethane	03	75-00-3	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
Chloroform	03	67-66-3	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
Chloromethane	03	74-87-3	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	03	156-59-2	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	03	10061-01-5	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
Dibromochloromethane	03	124-48-1	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
Dibromomethane	03	74-95-3	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
Dichlorodifluoromethane	03	75-71-8	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	03	108-20-3	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
Ethylbenzene	03	100-41-4	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
Hexachlorobutadiene	03	87-68-3	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
Iodomethane	03	74-88-4	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		11.2	11.2	1	ug/kg dry	RJB
Isopropylbenzene	03	98-82-8	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
m+p-Xylenes	03	179601-23-1	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
Methylene chloride	03	75-09-2	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	03	1634-04-4	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-5** **Laboratory Sample ID:** **23L1228-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	03	91-20-3	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
n-Butylbenzene	03	104-51-8	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
n-Propylbenzene	03	103-65-1	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
o-Xylene	03	95-47-6	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
sec-Butylbenzene	03	135-98-8	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
Styrene	03	100-42-5	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
tert-Butylbenzene	03	98-06-6	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	03	127-18-4	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
Toluene	03	108-88-3	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	03	156-60-5	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	03	10061-02-6	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
Trichloroethylene	03	79-01-6	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
Trichlorofluoromethane	03	75-69-4	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
Vinyl acetate	03	108-05-4	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	11.2	1	ug/kg dry	RJB
Vinyl chloride	03	75-01-4	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		5.58	5.58	1	ug/kg dry	RJB
Xylenes, Total	03	1330-20-7	SW8260D	12/21/2023 15:34	12/21/2023 15:34	BLOD		16.7	16.7	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*03*		*110 %*	*80-120*	*12/21/2023 15:34*	*12/21/2023 15:34*						
Surr: 4-Bromofluorobenzene (Surr)	*03*		*97.1 %*	*85-120*	*12/21/2023 15:34*	*12/21/2023 15:34*						
Surr: Dibromofluoromethane (Surr)	*03*		*103 %*	*80-130*	*12/21/2023 15:34*	*12/21/2023 15:34*						
Surr: Toluene-d8 (Surr)	*03*		*100 %*	*85-115*	*12/21/2023 15:34*	*12/21/2023 15:34*						

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-5** **Laboratory Sample ID:** **23L1228-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	03	123-91-1	SW8270E SIM	12/22/2023 08:45	12/22/2023 19:31	BLOD		8.17	8.17	2	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*03*	*146 %*	*35-100*	*12/22/2023 08:45*	*12/22/2023 19:31*							*DS*
1,2,4,5-Tetrachlorobenzene	03	95-94-3	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
1,2,4-Trichlorobenzene	03	120-82-1	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
1,2-Dichlorobenzene	03	95-50-1	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
1,2-Diphenylhydrazine	03	122-66-7	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
1,3-Dichlorobenzene	03	541-73-1	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
1,3-Dinitrobenzene	03	99-65-0	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
1,4-Dichlorobenzene	03	106-46-7	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
1-Chloronaphthalene	03	90-13-1	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
1-Naphthylamine	03	134-32-7	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	03	58-90-2	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
2,4,5-Trichlorophenol	03	95-95-4	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
2,4,6-Trichlorophenol	03	88-06-2	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
2,4-Dichlorophenol	03	120-83-2	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
2,4-Dimethylphenol	03	105-67-9	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
2,4-Dinitrophenol	03	51-28-5	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
2,4-Dinitrotoluene	03	121-14-2	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
2,6-Dichlorophenol	03	87-65-0	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
2,6-Dinitrotoluene	03	606-20-2	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
2-Chloronaphthalene	03	91-58-7	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
2-Chlorophenol	03	95-57-8	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
2-Methylnaphthalene	03	91-57-6	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS

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Client Sample ID: **SC-5** **Laboratory Sample ID:** **23L1228-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	03	91-59-8	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
2-Nitroaniline	03	88-74-4	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
2-Nitrophenol	03	88-75-5	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
3,3'-Dichlorobenzidine	03	91-94-1	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
3-Methylcholanthrene	03	56-49-5	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
3-Nitroaniline	03	99-09-2	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	03	534-52-1	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
4-Aminobiphenyl	03	92-67-1	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
4-Bromophenyl phenyl ether	03	101-55-3	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
4-Chloroaniline	03	106-47-8	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	03	7005-72-3	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
4-Nitroaniline	03	100-01-6	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
4-Nitrophenol	03	100-02-7	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	03	57-97-6	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Acenaphthene	03	83-32-9	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Acenaphthylene	03	208-96-8	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Acetophenone	03	98-86-2	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Aniline	03	62-53-3	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Anthracene	03	120-12-7	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Benzidine	03	92-87-5	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Benzo (a) anthracene	03	56-55-3	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Benzo (a) pyrene	03	50-32-8	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Benzo (b) fluoranthene	03	205-99-2	SW8270E	12/22/2023 08:45	12/27/2023 18:39	110		102	102	1	ug/kg dry	BMS
Benzo (g,h,i) perylene	03	191-24-2	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS

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Client Sample ID: SC-5 **Laboratory Sample ID:** 23L1228-03

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	03	207-08-9	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Benzoic acid	03	65-85-0	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Benzyl alcohol	03	100-51-6	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	03	111-91-1	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
bis (2-Chloroethyl) ether	03	111-44-4	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	03	108-60-1	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	03	117-81-7	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Butyl benzyl phthalate	03	85-68-7	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Chrysene	03	218-01-9	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Dibenz (a,h) anthracene	03	53-70-3	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Dibenz (a,j) acridine	03	224-42-0	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Dibenzofuran	03	132-64-9	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Diethyl phthalate	03	84-66-2	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Dimethyl phthalate	03	131-11-3	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Di-n-butyl phthalate	03	84-74-2	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Di-n-octyl phthalate	03	117-84-0	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Diphenylamine	03	122-39-4	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Ethyl methanesulfonate	03	62-50-0	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Fluoranthene	03	206-44-0	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Fluorene	03	86-73-7	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Hexachlorobenzene	03	118-74-1	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Hexachlorobutadiene	03	87-68-3	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Hexachlorocyclopentadiene	03	77-47-4	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Hexachloroethane	03	67-72-1	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS

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Client Sample ID: SC-5 **Laboratory Sample ID:** 23L1228-03

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	03	193-39-5	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Isophorone	03	78-59-1	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
m+p-Cresols	03	1319-77-3	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Methyl methanesulfonate	03	66-27-3	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Naphthalene	03	91-20-3	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Nitrobenzene	03	98-95-3	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
n-Nitrosodimethylamine	03	62-75-9	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	03	924-16-3	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	03	621-64-7	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
n-Nitrosodiphenylamine	03	86-30-6	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
n-Nitrosopiperidine	03	100-75-4	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
o+m+p-Cresols	03	1319-77-3	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
o-Cresol	03	95-48-7	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	03	60-11-7	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
p-Chloro-m-cresol	03	59-50-7	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	03	82-68-8	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Pentachlorophenol	03	87-86-5	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Phenacetin	03	62-44-2	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Phenanthrene	03	85-01-8	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Phenol	03	108-95-2	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Pronamide	03	23950-58-5	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Pyrene	03	129-00-0	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Pyridine	03	110-86-1	SW8270E	12/22/2023 08:45	12/27/2023 18:39	BLOD		102	102	1	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*03*	*22.1 %*	*15-96*	*12/22/2023 08:45*	*12/27/2023 18:39*							

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Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-5** **Laboratory Sample ID:** **23L1228-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*03*		*20.8 %*	*19-105*	*12/22/2023 08:45*	*12/27/2023 18:39*						
Surr: 2-Fluorophenol (Surr)	*03*		*28.9 %*	*12-95*	*12/22/2023 08:45*	*12/27/2023 18:39*						
Surr: Nitrobenzene-d5 (Surr)	*03*		*30.6 %*	*21-100*	*12/22/2023 08:45*	*12/27/2023 18:39*						
Surr: Phenol-d5 (Surr)	*03*		*26.2 %*	*13-100*	*12/22/2023 08:45*	*12/27/2023 18:39*						
Surr: p-Terphenyl-d14 (Surr)	*03*		*23.6 %*	*25-125*	*12/22/2023 08:45*	*12/27/2023 18:39*						*S*

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Client Sample ID: **SC-5** **Laboratory Sample ID:** **23L1228-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	03	14808-79-8	SW9056A	12/21/2023 10:00	12/21/2023 10:00	120		3.07	12.3	1	mg/kg dry	ATG

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Client Sample ID: **SC-5** **Laboratory Sample ID:** **23L1228-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	03	7664-41-7	EPA350.1 R2.0	01/02/2024 15:01	01/02/2024 15:01	BLOD		12.0	12.0	1	mg/kg dry	SPH
Chromium, Hexavalent	03	18540-29-9	SW7199	01/03/2024 09:00	01/04/2024 01:19	0.50		0.25	0.25	1	mg/kg dry	MGC
Nitrate as N	03	14797-55-8	SW9056A	12/21/2023 10:00	12/21/2023 10:00	1.38	J	1.23	2.45	1	mg/kg dry	ATG
Percent Solids	03	NA	SM2540G-2011	12/22/2023 11:45	12/22/2023 11:45	81.5		0.10	0.10	1	%	KJM

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Client Sample ID: **SC-6** **Laboratory Sample ID:** **23L1228-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	04	7440-22-4	SW6020B	12/27/2023 11:15	01/04/2024 12:16	118		3.05	3.05	1	ug/kg dry	AB
Arsenic	04	7440-38-2	SW6020B	12/27/2023 11:15	01/04/2024 12:16	5700		61.0	61.0	1	ug/kg dry	AB
Barium	04RE1	7440-39-3	SW6020B	12/27/2023 11:15	01/04/2024 13:24	137000		61000	61000	100	ug/kg dry	AB
Beryllium	04	7440-41-7	SW6020B	12/27/2023 11:15	01/04/2024 12:16	621		61.0	61.0	1	ug/kg dry	AB
Cadmium	04	7440-43-9	SW6020B	12/27/2023 11:15	01/04/2024 12:16	316		61.0	61.0	1	ug/kg dry	AB
Cobalt	04	7440-48-4	SW6020B	12/27/2023 11:15	01/04/2024 12:16	17800		61.0	61.0	1	ug/kg dry	AB
Chromium	04RE1	7440-47-3	SW6020B	12/27/2023 11:15	01/04/2024 13:24	115000		6100	6100	100	ug/kg dry	AB
Copper	04RE1	7440-50-8	SW6020B	12/27/2023 11:15	01/04/2024 13:24	61800		6100	6100	100	ug/kg dry	AB
Mercury	04	7439-97-6	SW7471B	01/08/2024 09:32	01/08/2024 13:18	0.064		0.010	0.010	1	mg/kg dry	AB
Manganese	04RE1	7439-96-5	SW6020B	12/27/2023 11:15	01/04/2024 13:24	590000		6100	6100	100	ug/kg dry	AB
Nickel	04	7440-02-0	SW6020B	12/27/2023 11:15	01/04/2024 12:16	14700		61.0	61.0	1	ug/kg dry	AB
Lead	04RE1	7439-92-1	SW6020B	12/27/2023 11:15	01/04/2024 13:24	124000		6100	6100	100	ug/kg dry	AB
Antimony	04	7440-36-0	SW6020B	12/27/2023 11:15	01/04/2024 12:16	509		61.0	61.0	1	ug/kg dry	AB
Selenium	04	7782-49-2	SW6020B	12/27/2023 11:15	01/04/2024 12:16	3620		61.0	61.0	1	ug/kg dry	AB
Thallium	04	7440-28-0	SW6020B	12/27/2023 11:15	01/04/2024 12:16	122		61.0	61.0	1	ug/kg dry	AB
Vanadium	04RE1	7440-62-2	SW6020B	12/27/2023 11:15	01/04/2024 13:24	106000		30500	30500	100	ug/kg dry	AB
Zinc	04RE1	7440-66-6	SW6020B	12/27/2023 11:15	01/04/2024 13:24	141000		30500	30500	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	04	630-20-6	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
1,1,1-Trichloroethane	04	71-55-6	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	04	79-34-5	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
1,1,2-Trichloroethane	04	79-00-5	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
1,1-Dichloroethane	04	75-34-3	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
1,1-Dichloroethylene	04	75-35-4	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-6** **Laboratory Sample ID:** **23L1228-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	04	563-58-6	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	04	87-61-6	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
1,2,3-Trichloropropane	04	96-18-4	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	04	120-82-1	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	04	95-63-6	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	04	96-12-8	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	04	106-93-4	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
1,2-Dichlorobenzene	04	95-50-1	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
1,2-Dichloroethane	04	107-06-2	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
1,2-Dichloropropane	04	78-87-5	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	04	108-67-8	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
1,3-Dichlorobenzene	04	541-73-1	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
1,3-Dichloropropane	04	142-28-9	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
1,4-Dichlorobenzene	04	106-46-7	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
2,2-Dichloropropane	04	594-20-7	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
2-Butanone (MEK)	04	78-93-3	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
2-Chlorotoluene	04	95-49-8	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
2-Hexanone (MBK)	04	591-78-6	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
4-Chlorotoluene	04	106-43-4	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
4-Isopropyltoluene	04	99-87-6	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	04	108-10-1	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
Acetone	04	67-64-1	SW8260D	12/21/2023 15:57	12/21/2023 15:57	98.9		10.9	10.9	1	ug/kg dry	RJB
Benzene	04	71-43-2	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
Bromobenzene	04	108-86-1	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB

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Client Sample ID: SC-6 **Laboratory Sample ID:** 23L1228-04

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	04	74-97-5	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
Bromodichloromethane	04	75-27-4	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
Bromoform	04	75-25-2	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD	C	5.47	5.47	1	ug/kg dry	RJB
Bromomethane	04	74-83-9	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
Carbon disulfide	04	75-15-0	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
Carbon tetrachloride	04	56-23-5	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
Chlorobenzene	04	108-90-7	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
Chloroethane	04	75-00-3	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
Chloroform	04	67-66-3	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
Chloromethane	04	74-87-3	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	04	156-59-2	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	04	10061-01-5	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
Dibromochloromethane	04	124-48-1	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
Dibromomethane	04	74-95-3	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
Dichlorodifluoromethane	04	75-71-8	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	04	108-20-3	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
Ethylbenzene	04	100-41-4	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
Hexachlorobutadiene	04	87-68-3	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
Iodomethane	04	74-88-4	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		10.9	10.9	1	ug/kg dry	RJB
Isopropylbenzene	04	98-82-8	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
m+p-Xylenes	04	179601-23-1	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
Methylene chloride	04	75-09-2	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	04	1634-04-4	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB

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Client Sample ID: SC-6 **Laboratory Sample ID:** 23L1228-04

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	04	91-20-3	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
n-Butylbenzene	04	104-51-8	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
n-Propylbenzene	04	103-65-1	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
o-Xylene	04	95-47-6	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
sec-Butylbenzene	04	135-98-8	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
Styrene	04	100-42-5	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
tert-Butylbenzene	04	98-06-6	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	04	127-18-4	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
Toluene	04	108-88-3	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	04	156-60-5	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	04	10061-02-6	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
Trichloroethylene	04	79-01-6	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
Trichlorofluoromethane	04	75-69-4	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
Vinyl acetate	04	108-05-4	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	10.9	1	ug/kg dry	RJB
Vinyl chloride	04	75-01-4	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		5.47	5.47	1	ug/kg dry	RJB
Xylenes, Total	04	1330-20-7	SW8260D	12/21/2023 15:57	12/21/2023 15:57	BLOD		16.4	16.4	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*04*		*111 %*	*80-120*	*12/21/2023 15:57*	*12/21/2023 15:57*						
Surr: 4-Bromofluorobenzene (Surr)	*04*		*96.6 %*	*85-120*	*12/21/2023 15:57*	*12/21/2023 15:57*						
Surr: Dibromofluoromethane (Surr)	*04*		*103 %*	*80-130*	*12/21/2023 15:57*	*12/21/2023 15:57*						
Surr: Toluene-d8 (Surr)	*04*		*100 %*	*85-115*	*12/21/2023 15:57*	*12/21/2023 15:57*						

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Client Sample ID: **SC-6** **Laboratory Sample ID:** **23L1228-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	04	123-91-1	SW8270E SIM	12/22/2023 08:45	12/22/2023 19:57	BLOD		8.29	8.29	2	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*04*	*69.0 %*	*35-100*	*12/22/2023 08:45*	*12/22/2023 19:57*							
1,2,4,5-Tetrachlorobenzene	04	95-94-3	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
1,2,4-Trichlorobenzene	04	120-82-1	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
1,2-Dichlorobenzene	04	95-50-1	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
1,2-Diphenylhydrazine	04	122-66-7	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
1,3-Dichlorobenzene	04	541-73-1	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
1,3-Dinitrobenzene	04	99-65-0	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
1,4-Dichlorobenzene	04	106-46-7	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
1-Chloronaphthalene	04	90-13-1	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
1-Naphthylamine	04	134-32-7	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	04	58-90-2	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
2,4,5-Trichlorophenol	04	95-95-4	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
2,4,6-Trichlorophenol	04	88-06-2	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
2,4-Dichlorophenol	04	120-83-2	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
2,4-Dimethylphenol	04	105-67-9	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
2,4-Dinitrophenol	04	51-28-5	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
2,4-Dinitrotoluene	04	121-14-2	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
2,6-Dichlorophenol	04	87-65-0	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
2,6-Dinitrotoluene	04	606-20-2	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
2-Chloronaphthalene	04	91-58-7	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
2-Chlorophenol	04	95-57-8	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
2-Methylnaphthalene	04	91-57-6	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-6 **Laboratory Sample ID:** 23L1228-04

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	04	91-59-8	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
2-Nitroaniline	04	88-74-4	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
2-Nitrophenol	04	88-75-5	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
3,3'-Dichlorobenzidine	04	91-94-1	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
3-Methylcholanthrene	04	56-49-5	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
3-Nitroaniline	04	99-09-2	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	04	534-52-1	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
4-Aminobiphenyl	04	92-67-1	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
4-Bromophenyl phenyl ether	04	101-55-3	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
4-Chloroaniline	04	106-47-8	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	04	7005-72-3	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
4-Nitroaniline	04	100-01-6	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
4-Nitrophenol	04	100-02-7	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	04	57-97-6	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Acenaphthene	04	83-32-9	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Acenaphthylene	04	208-96-8	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Acetophenone	04	98-86-2	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Aniline	04	62-53-3	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Anthracene	04	120-12-7	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Benzidine	04	92-87-5	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Benzo (a) anthracene	04	56-55-3	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Benzo (a) pyrene	04	50-32-8	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Benzo (b) fluoranthene	04	205-99-2	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Benzo (g,h,i) perylene	04	191-24-2	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS

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Client Sample ID: SC-6 **Laboratory Sample ID:** 23L1228-04

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	04	207-08-9	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Benzoic acid	04	65-85-0	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Benzyl alcohol	04	100-51-6	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	04	111-91-1	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
bis (2-Chloroethyl) ether	04	111-44-4	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	04	108-60-1	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	04	117-81-7	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Butyl benzyl phthalate	04	85-68-7	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Chrysene	04	218-01-9	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Dibenz (a,h) anthracene	04	53-70-3	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Dibenz (a,j) acridine	04	224-42-0	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Dibenzofuran	04	132-64-9	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Diethyl phthalate	04	84-66-2	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Dimethyl phthalate	04	131-11-3	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Di-n-butyl phthalate	04	84-74-2	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Di-n-octyl phthalate	04	117-84-0	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Diphenylamine	04	122-39-4	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Ethyl methanesulfonate	04	62-50-0	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Fluoranthene	04	206-44-0	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Fluorene	04	86-73-7	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Hexachlorobenzene	04	118-74-1	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Hexachlorobutadiene	04	87-68-3	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Hexachlorocyclopentadiene	04	77-47-4	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Hexachloroethane	04	67-72-1	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS

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Client Sample ID: **SC-6** **Laboratory Sample ID:** **23L1228-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	04	193-39-5	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Isophorone	04	78-59-1	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
m+p-Cresols	04	1319-77-3	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Methyl methanesulfonate	04	66-27-3	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Naphthalene	04	91-20-3	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Nitrobenzene	04	98-95-3	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
n-Nitrosodimethylamine	04	62-75-9	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	04	924-16-3	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	04	621-64-7	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
n-Nitrosodiphenylamine	04	86-30-6	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
n-Nitrosopiperidine	04	100-75-4	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
o+m+p-Cresols	04	1319-77-3	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
o-Cresol	04	95-48-7	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	04	60-11-7	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
p-Chloro-m-cresol	04	59-50-7	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	04	82-68-8	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Pentachlorophenol	04	87-86-5	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Phenacetin	04	62-44-2	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Phenanthrene	04	85-01-8	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Phenol	04	108-95-2	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Pronamide	04	23950-58-5	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Pyrene	04	129-00-0	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Pyridine	04	110-86-1	SW8270E	12/22/2023 08:45	12/27/2023 19:15	BLOD		1040	1040	10	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*04*	*25.5 %*	*15-96*	*12/22/2023 08:45*	*12/27/2023 19:15*							

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*04*		*9.80 %*	*19-105*	*12/22/2023 08:45*	*12/27/2023 19:15*						*DS*
Surr: 2-Fluorophenol (Surr)	*04*		*38.4 %*	*12-95*	*12/22/2023 08:45*	*12/27/2023 19:15*						
Surr: Nitrobenzene-d5 (Surr)	*04*		*42.6 %*	*21-100*	*12/22/2023 08:45*	*12/27/2023 19:15*						
Surr: Phenol-d5 (Surr)	*04*		*39.2 %*	*13-100*	*12/22/2023 08:45*	*12/27/2023 19:15*						
Surr: p-Terphenyl-d14 (Surr)	*04*		*19.4 %*	*25-125*	*12/22/2023 08:45*	*12/27/2023 19:15*						*DS*

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Ion Chromatography Analyses												
Sulfate	04	14808-79-8	SW9056A	12/21/2023 10:00	12/21/2023 10:00	21.3		3.17	12.7	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	04	7664-41-7	EPA350.1 R2.0	01/02/2024 15:01	01/02/2024 15:01	BLOD		11.8	11.8	1	mg/kg dry	SPH
Chromium, Hexavalent	04	18540-29-9	SW7199	01/03/2024 09:00	01/04/2024 01:46	0.32		0.25	0.25	1	mg/kg dry	MGC
Nitrate as N	04	14797-55-8	SW9056A	12/21/2023 10:00	12/21/2023 10:00	1.68	J	1.27	2.54	1	mg/kg dry	ATG
Percent Solids	04	NA	SM2540G-2011	12/22/2023 11:45	12/22/2023 11:45	78.9		0.10	0.10	1	%	KJM

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Client Sample ID: **SC-10** **Laboratory Sample ID:** **23L1228-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	05	7440-22-4	SW6020B	12/27/2023 11:15	01/04/2024 12:19	85.6		2.96	2.96	1	ug/kg dry	AB
Arsenic	05	7440-38-2	SW6020B	12/27/2023 11:15	01/04/2024 12:19	3210		59.2	59.2	1	ug/kg dry	AB
Barium	05RE1	7440-39-3	SW6020B	12/27/2023 11:15	01/04/2024 13:27	79300		59200	59200	100	ug/kg dry	AB
Beryllium	05	7440-41-7	SW6020B	12/27/2023 11:15	01/04/2024 12:19	499		59.2	59.2	1	ug/kg dry	AB
Cadmium	05	7440-43-9	SW6020B	12/27/2023 11:15	01/04/2024 12:19	451		59.2	59.2	1	ug/kg dry	AB
Cobalt	05	7440-48-4	SW6020B	12/27/2023 11:15	01/04/2024 12:19	12100		59.2	59.2	1	ug/kg dry	AB
Chromium	05RE1	7440-47-3	SW6020B	12/27/2023 11:15	01/04/2024 13:27	53600		5920	5920	100	ug/kg dry	AB
Copper	05RE1	7440-50-8	SW6020B	12/27/2023 11:15	01/04/2024 13:27	47100		5920	5920	100	ug/kg dry	AB
Mercury	05	7439-97-6	SW7471B	01/08/2024 09:32	01/08/2024 13:21	0.103		0.009	0.009	1	mg/kg dry	AB
Manganese	05RE1	7439-96-5	SW6020B	12/27/2023 11:15	01/04/2024 13:27	328000		5920	5920	100	ug/kg dry	AB
Nickel	05	7440-02-0	SW6020B	12/27/2023 11:15	01/04/2024 12:19	15500		59.2	59.2	1	ug/kg dry	AB
Lead	05RE1	7439-92-1	SW6020B	12/27/2023 11:15	01/04/2024 13:27	80200		5920	5920	100	ug/kg dry	AB
Antimony	05	7440-36-0	SW6020B	12/27/2023 11:15	01/04/2024 12:19	326		59.2	59.2	1	ug/kg dry	AB
Selenium	05	7782-49-2	SW6020B	12/27/2023 11:15	01/04/2024 12:19	2610		59.2	59.2	1	ug/kg dry	AB
Thallium	05	7440-28-0	SW6020B	12/27/2023 11:15	01/04/2024 12:19	131		59.2	59.2	1	ug/kg dry	AB
Vanadium	05RE1	7440-62-2	SW6020B	12/27/2023 11:15	01/04/2024 13:27	75400		29600	29600	100	ug/kg dry	AB
Zinc	05RE1	7440-66-6	SW6020B	12/27/2023 11:15	01/04/2024 13:27	100000		29600	29600	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	05	630-20-6	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
1,1,1-Trichloroethane	05	71-55-6	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	05	79-34-5	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
1,1,2-Trichloroethane	05	79-00-5	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
1,1-Dichloroethane	05	75-34-3	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
1,1-Dichloroethylene	05	75-35-4	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB

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Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-10** **Laboratory Sample ID:** **23L1228-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	05	563-58-6	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	05	87-61-6	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
1,2,3-Trichloropropane	05	96-18-4	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	05	120-82-1	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	05	95-63-6	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	05	96-12-8	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	05	106-93-4	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
1,2-Dichlorobenzene	05	95-50-1	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
1,2-Dichloroethane	05	107-06-2	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
1,2-Dichloropropane	05	78-87-5	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	05	108-67-8	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
1,3-Dichlorobenzene	05	541-73-1	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
1,3-Dichloropropane	05	142-28-9	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
1,4-Dichlorobenzene	05	106-46-7	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
2,2-Dichloropropane	05	594-20-7	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
2-Butanone (MEK)	05	78-93-3	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
2-Chlorotoluene	05	95-49-8	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
2-Hexanone (MBK)	05	591-78-6	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
4-Chlorotoluene	05	106-43-4	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
4-Isopropyltoluene	05	99-87-6	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	05	108-10-1	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
Acetone	05	67-64-1	SW8260D	12/21/2023 16:20	12/21/2023 16:20	35.6		9.47	10.0	1	ug/kg dry	RJB
Benzene	05	71-43-2	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
Bromobenzene	05	108-86-1	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-10** **Laboratory Sample ID:** **23L1228-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	05	74-97-5	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
Bromodichloromethane	05	75-27-4	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
Bromoform	05	75-25-2	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD	C	4.74	5.00	1	ug/kg dry	RJB
Bromomethane	05	74-83-9	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
Carbon disulfide	05	75-15-0	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
Carbon tetrachloride	05	56-23-5	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
Chlorobenzene	05	108-90-7	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
Chloroethane	05	75-00-3	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
Chloroform	05	67-66-3	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
Chloromethane	05	74-87-3	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	05	156-59-2	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	05	10061-01-5	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
Dibromochloromethane	05	124-48-1	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
Dibromomethane	05	74-95-3	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
Dichlorodifluoromethane	05	75-71-8	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	05	108-20-3	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
Ethylbenzene	05	100-41-4	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
Hexachlorobutadiene	05	87-68-3	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
Iodomethane	05	74-88-4	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		9.47	10.0	1	ug/kg dry	RJB
Isopropylbenzene	05	98-82-8	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
m+p-Xylenes	05	179601-23-1	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
Methylene chloride	05	75-09-2	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	05	1634-04-4	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-10** **Laboratory Sample ID:** **23L1228-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	05	91-20-3	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
n-Butylbenzene	05	104-51-8	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
n-Propylbenzene	05	103-65-1	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
o-Xylene	05	95-47-6	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
sec-Butylbenzene	05	135-98-8	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
Styrene	05	100-42-5	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
tert-Butylbenzene	05	98-06-6	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	05	127-18-4	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
Toluene	05	108-88-3	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	05	156-60-5	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	05	10061-02-6	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
Trichloroethylene	05	79-01-6	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
Trichlorofluoromethane	05	75-69-4	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
Vinyl acetate	05	108-05-4	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	10.0	1	ug/kg dry	RJB
Vinyl chloride	05	75-01-4	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		4.74	5.00	1	ug/kg dry	RJB
Xylenes, Total	05	1330-20-7	SW8260D	12/21/2023 16:20	12/21/2023 16:20	BLOD		14.2	15.0	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*05*		*111 %*	*80-120*	*12/21/2023 16:20*	*12/21/2023 16:20*						
Surr: 4-Bromofluorobenzene (Surr)	*05*		*95.7 %*	*85-120*	*12/21/2023 16:20*	*12/21/2023 16:20*						
Surr: Dibromofluoromethane (Surr)	*05*		*102 %*	*80-130*	*12/21/2023 16:20*	*12/21/2023 16:20*						
Surr: Toluene-d8 (Surr)	*05*		*102 %*	*85-115*	*12/21/2023 16:20*	*12/21/2023 16:20*						

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Client Sample ID: **SC-10** **Laboratory Sample ID:** **23L1228-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	05	123-91-1	SW8270E SIM	12/22/2023 08:45	12/22/2023 20:24	BLOD		7.81	7.81	2	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*05*	*79.6 %*	*35-100*	*12/22/2023 08:45*	*12/22/2023 20:24*							
1,2,4,5-Tetrachlorobenzene	05	95-94-3	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
1,2,4-Trichlorobenzene	05	120-82-1	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
1,2-Dichlorobenzene	05	95-50-1	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
1,2-Diphenylhydrazine	05	122-66-7	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
1,3-Dichlorobenzene	05	541-73-1	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
1,3-Dinitrobenzene	05	99-65-0	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
1,4-Dichlorobenzene	05	106-46-7	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
1-Chloronaphthalene	05	90-13-1	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
1-Naphthylamine	05	134-32-7	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	05	58-90-2	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
2,4,5-Trichlorophenol	05	95-95-4	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
2,4,6-Trichlorophenol	05	88-06-2	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
2,4-Dichlorophenol	05	120-83-2	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
2,4-Dimethylphenol	05	105-67-9	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
2,4-Dinitrophenol	05	51-28-5	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
2,4-Dinitrotoluene	05	121-14-2	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
2,6-Dichlorophenol	05	87-65-0	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
2,6-Dinitrotoluene	05	606-20-2	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
2-Chloronaphthalene	05	91-58-7	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
2-Chlorophenol	05	95-57-8	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
2-Methylnaphthalene	05	91-57-6	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	05	91-59-8	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
2-Nitroaniline	05	88-74-4	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
2-Nitrophenol	05	88-75-5	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
3,3'-Dichlorobenzidine	05	91-94-1	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
3-Methylcholanthrene	05	56-49-5	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
3-Nitroaniline	05	99-09-2	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	05	534-52-1	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
4-Aminobiphenyl	05	92-67-1	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
4-Bromophenyl phenyl ether	05	101-55-3	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
4-Chloroaniline	05	106-47-8	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	05	7005-72-3	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
4-Nitroaniline	05	100-01-6	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
4-Nitrophenol	05	100-02-7	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	05	57-97-6	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Acenaphthene	05	83-32-9	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Acenaphthylene	05	208-96-8	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Acetophenone	05	98-86-2	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Aniline	05	62-53-3	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Anthracene	05	120-12-7	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Benzidine	05	92-87-5	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Benzo (a) anthracene	05	56-55-3	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Benzo (a) pyrene	05	50-32-8	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Benzo (b) fluoranthene	05	205-99-2	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Benzo (g,h,i) perylene	05	191-24-2	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-10** **Laboratory Sample ID:** **23L1228-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	05	207-08-9	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Benzoic acid	05	65-85-0	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Benzyl alcohol	05	100-51-6	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	05	111-91-1	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
bis (2-Chloroethyl) ether	05	111-44-4	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	05	108-60-1	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	05	117-81-7	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Butyl benzyl phthalate	05	85-68-7	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Chrysene	05	218-01-9	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Dibenz (a,h) anthracene	05	53-70-3	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Dibenz (a,j) acridine	05	224-42-0	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Dibenzofuran	05	132-64-9	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Diethyl phthalate	05	84-66-2	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Dimethyl phthalate	05	131-11-3	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Di-n-butyl phthalate	05	84-74-2	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Di-n-octyl phthalate	05	117-84-0	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Diphenylamine	05	122-39-4	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Ethyl methanesulfonate	05	62-50-0	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Fluoranthene	05	206-44-0	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Fluorene	05	86-73-7	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Hexachlorobenzene	05	118-74-1	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Hexachlorobutadiene	05	87-68-3	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Hexachlorocyclopentadiene	05	77-47-4	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Hexachloroethane	05	67-72-1	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS

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Client Sample ID: **SC-10** **Laboratory Sample ID:** **23L1228-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	05	193-39-5	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Isophorone	05	78-59-1	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
m+p-Cresols	05	1319-77-3	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Methyl methanesulfonate	05	66-27-3	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Naphthalene	05	91-20-3	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Nitrobenzene	05	98-95-3	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
n-Nitrosodimethylamine	05	62-75-9	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	05	924-16-3	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	05	621-64-7	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
n-Nitrosodiphenylamine	05	86-30-6	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
n-Nitrosopiperidine	05	100-75-4	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
o+m+p-Cresols	05	1319-77-3	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
o-Cresol	05	95-48-7	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	05	60-11-7	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
p-Chloro-m-cresol	05	59-50-7	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	05	82-68-8	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Pentachlorophenol	05	87-86-5	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Phenacetin	05	62-44-2	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Phenanthrene	05	85-01-8	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Phenol	05	108-95-2	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Pronamide	05	23950-58-5	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Pyrene	05	129-00-0	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Pyridine	05	110-86-1	SW8270E	12/22/2023 08:45	12/27/2023 19:51	BLOD		391	391	4	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*05*	*33.6 %*	*15-96*	*12/22/2023 08:45*	*12/27/2023 19:51*							

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Client Sample ID: **SC-10** **Laboratory Sample ID:** **23L1228-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*05*		*34.1 %*	*19-105*	*12/22/2023 08:45*	*12/27/2023 19:51*						
Surr: 2-Fluorophenol (Surr)	*05*		*48.1 %*	*12-95*	*12/22/2023 08:45*	*12/27/2023 19:51*						
Surr: Nitrobenzene-d5 (Surr)	*05*		*54.6 %*	*21-100*	*12/22/2023 08:45*	*12/27/2023 19:51*						
Surr: Phenol-d5 (Surr)	*05*		*45.4 %*	*13-100*	*12/22/2023 08:45*	*12/27/2023 19:51*						
Surr: p-Terphenyl-d14 (Surr)	*05*		*37.3 %*	*25-125*	*12/22/2023 08:45*	*12/27/2023 19:51*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	05	14808-79-8	SW9056A	12/21/2023 10:00	12/21/2023 10:00	202		3.01	12.0	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	05	7664-41-7	EPA350.1 R2.0	01/02/2024 15:01	01/02/2024 15:01	BLOD		11.8	11.8	1	mg/kg dry	SPH
Chromium, Hexavalent	05	18540-29-9	SW7199	01/03/2024 09:00	01/04/2024 02:13	1.18		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	05	14797-55-8	SW9056A	12/21/2023 10:00	12/21/2023 10:00	1.27	J	1.20	2.41	1	mg/kg dry	ATG
Percent Solids	05	NA	SM2540G-2011	12/22/2023 15:31	12/22/2023 15:31	83.0		0.10	0.10	1	%	KJM

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Client Sample ID: **SC-11** **Laboratory Sample ID:** **23L1228-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	06	7440-22-4	SW6020B	12/27/2023 11:15	01/04/2024 12:30	601		2.76	2.76	1	ug/kg dry	AB
Arsenic	06	7440-38-2	SW6020B	12/27/2023 11:15	01/04/2024 12:30	2560		55.3	55.3	1	ug/kg dry	AB
Barium	06RE1	7440-39-3	SW6020B	12/27/2023 11:15	01/04/2024 13:38	117000		55300	55300	100	ug/kg dry	AB
Beryllium	06	7440-41-7	SW6020B	12/27/2023 11:15	01/04/2024 12:30	434		55.3	55.3	1	ug/kg dry	AB
Cadmium	06	7440-43-9	SW6020B	12/27/2023 11:15	01/04/2024 12:30	530		55.3	55.3	1	ug/kg dry	AB
Cobalt	06	7440-48-4	SW6020B	12/27/2023 11:15	01/04/2024 12:30	13400		55.3	55.3	1	ug/kg dry	AB
Chromium	06RE1	7440-47-3	SW6020B	12/27/2023 11:15	01/04/2024 13:38	49800		5530	5530	100	ug/kg dry	AB
Copper	06RE1	7440-50-8	SW6020B	12/27/2023 11:15	01/04/2024 13:38	64500		5530	5530	100	ug/kg dry	AB
Mercury	06	7439-97-6	SW7471B	01/08/2024 09:32	01/08/2024 13:23	0.179		0.009	0.009	1	mg/kg dry	AB
Manganese	06RE1	7439-96-5	SW6020B	12/27/2023 11:15	01/04/2024 13:38	558000		5530	5530	100	ug/kg dry	AB
Nickel	06	7440-02-0	SW6020B	12/27/2023 11:15	01/04/2024 12:30	15200		55.3	55.3	1	ug/kg dry	AB
Lead	06RE1	7439-92-1	SW6020B	12/27/2023 11:15	01/04/2024 13:38	76300		5530	5530	100	ug/kg dry	AB
Antimony	06	7440-36-0	SW6020B	12/27/2023 11:15	01/04/2024 12:30	288		55.3	55.3	1	ug/kg dry	AB
Selenium	06	7782-49-2	SW6020B	12/27/2023 11:15	01/04/2024 12:30	2290		55.3	55.3	1	ug/kg dry	AB
Thallium	06	7440-28-0	SW6020B	12/27/2023 11:15	01/04/2024 12:30	107		55.3	55.3	1	ug/kg dry	AB
Vanadium	06RE1	7440-62-2	SW6020B	12/27/2023 11:15	01/04/2024 13:38	70600		27600	27600	100	ug/kg dry	AB
Zinc	06RE1	7440-66-6	SW6020B	12/27/2023 11:15	01/04/2024 13:38	137000		27600	27600	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	06	630-20-6	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,1,1-Trichloroethane	06	71-55-6	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	06	79-34-5	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,1,2-Trichloroethane	06	79-00-5	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,1-Dichloroethane	06	75-34-3	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,1-Dichloroethylene	06	75-35-4	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	06	563-58-6	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	06	87-61-6	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,2,3-Trichloropropane	06	96-18-4	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	06	120-82-1	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	06	95-63-6	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	06	96-12-8	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	06	106-93-4	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,2-Dichlorobenzene	06	95-50-1	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,2-Dichloroethane	06	107-06-2	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,2-Dichloropropane	06	78-87-5	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	06	108-67-8	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,3-Dichlorobenzene	06	541-73-1	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,3-Dichloropropane	06	142-28-9	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
1,4-Dichlorobenzene	06	106-46-7	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
2,2-Dichloropropane	06	594-20-7	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
2-Butanone (MEK)	06	78-93-3	SW8260D	12/21/2023 16:50	12/21/2023 16:50	5.76		5.41	5.41	1	ug/kg dry	RJB
2-Chlorotoluene	06	95-49-8	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
2-Hexanone (MBK)	06	591-78-6	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
4-Chlorotoluene	06	106-43-4	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
4-Isopropyltoluene	06	99-87-6	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	06	108-10-1	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
Acetone	06RE1	67-64-1	SW8260D	12/26/2023 18:47	12/26/2023 18:47	BLOD		547	547	50	ug/kg dry	RJB
Benzene	06	71-43-2	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
Bromobenzene	06	108-86-1	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-11 **Laboratory Sample ID:** 23L1228-06

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	06	74-97-5	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
Bromodichloromethane	06	75-27-4	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
Bromoform	06	75-25-2	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD	C	5.41	5.41	1	ug/kg dry	RJB
Bromomethane	06	74-83-9	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
Carbon disulfide	06	75-15-0	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
Carbon tetrachloride	06	56-23-5	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
Chlorobenzene	06	108-90-7	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
Chloroethane	06	75-00-3	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
Chloroform	06	67-66-3	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
Chloromethane	06	74-87-3	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	06	156-59-2	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	06	10061-01-5	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
Dibromochloromethane	06	124-48-1	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
Dibromomethane	06	74-95-3	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
Dichlorodifluoromethane	06	75-71-8	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	06	108-20-3	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
Ethylbenzene	06	100-41-4	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
Hexachlorobutadiene	06	87-68-3	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
Iodomethane	06	74-88-4	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		10.8	10.8	1	ug/kg dry	RJB
Isopropylbenzene	06	98-82-8	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
m+p-Xylenes	06	179601-23-1	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
Methylene chloride	06	75-09-2	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	06	1634-04-4	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-11** **Laboratory Sample ID:** **23L1228-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	06	91-20-3	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
n-Butylbenzene	06	104-51-8	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
n-Propylbenzene	06	103-65-1	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
o-Xylene	06	95-47-6	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
sec-Butylbenzene	06	135-98-8	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
Styrene	06	100-42-5	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
tert-Butylbenzene	06	98-06-6	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	06	127-18-4	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
Toluene	06	108-88-3	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	06	156-60-5	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	06	10061-02-6	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
Trichloroethylene	06	79-01-6	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
Trichlorofluoromethane	06	75-69-4	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
Vinyl acetate	06	108-05-4	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	10.8	1	ug/kg dry	RJB
Vinyl chloride	06	75-01-4	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		5.41	5.41	1	ug/kg dry	RJB
Xylenes, Total	06	1330-20-7	SW8260D	12/21/2023 16:50	12/21/2023 16:50	BLOD		16.2	16.2	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*06*	*112 %*	*80-120*	*12/21/2023 16:50*	*12/21/2023 16:50*							
Surr: 4-Bromofluorobenzene (Surr)	*06*	*95.8 %*	*85-120*	*12/21/2023 16:50*	*12/21/2023 16:50*							
Surr: Dibromofluoromethane (Surr)	*06*	*104 %*	*80-130*	*12/21/2023 16:50*	*12/21/2023 16:50*							
Surr: Toluene-d8 (Surr)	*06*	*102 %*	*85-115*	*12/21/2023 16:50*	*12/21/2023 16:50*							
Surr: 1,2-Dichloroethane-d4 (Surr)	*06RE1*	*109 %*	*80-120*	*12/26/2023 18:47*	*12/26/2023 18:47*							
Surr: 4-Bromofluorobenzene (Surr)	*06RE1*	*96.5 %*	*85-120*	*12/26/2023 18:47*	*12/26/2023 18:47*							
Surr: Dibromofluoromethane (Surr)	*06RE1*	*109 %*	*80-130*	*12/26/2023 18:47*	*12/26/2023 18:47*							
Surr: Toluene-d8 (Surr)	*06RE1*	*106 %*	*85-115*	*12/26/2023 18:47*	*12/26/2023 18:47*							

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-11** **Laboratory Sample ID:** **23L1228-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	06	123-91-1	SW8270E SIM	12/22/2023 08:45	12/22/2023 20:50	BLOD		7.78	7.78	2	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*06*	*62.6 %*	*35-100*	*12/22/2023 08:45*	*12/22/2023 20:50*							
1,2,4,5-Tetrachlorobenzene	06	95-94-3	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
1,2,4-Trichlorobenzene	06	120-82-1	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
1,2-Dichlorobenzene	06	95-50-1	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
1,2-Diphenylhydrazine	06	122-66-7	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
1,3-Dichlorobenzene	06	541-73-1	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
1,3-Dinitrobenzene	06	99-65-0	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
1,4-Dichlorobenzene	06	106-46-7	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
1-Chloronaphthalene	06	90-13-1	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
1-Naphthylamine	06	134-32-7	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
2,3,4,6-Tetrachlorophenol	06	58-90-2	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
2,4,5-Trichlorophenol	06	95-95-4	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
2,4,6-Trichlorophenol	06	88-06-2	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
2,4-Dichlorophenol	06	120-83-2	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
2,4-Dimethylphenol	06	105-67-9	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
2,4-Dinitrophenol	06	51-28-5	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
2,4-Dinitrotoluene	06	121-14-2	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
2,6-Dichlorophenol	06	87-65-0	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
2,6-Dinitrotoluene	06	606-20-2	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
2-Chloronaphthalene	06	91-58-7	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
2-Chlorophenol	06	95-57-8	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
2-Methylnaphthalene	06	91-57-6	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	06	91-59-8	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
2-Nitroaniline	06	88-74-4	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
2-Nitrophenol	06	88-75-5	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
3,3'-Dichlorobenzidine	06	91-94-1	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
3-Methylcholanthrene	06	56-49-5	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
3-Nitroaniline	06	99-09-2	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
4,6-Dinitro-2-methylphenol	06	534-52-1	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
4-Aminobiphenyl	06	92-67-1	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
4-Bromophenyl phenyl ether	06	101-55-3	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
4-Chloroaniline	06	106-47-8	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
4-Chlorophenyl phenyl ether	06	7005-72-3	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
4-Nitroaniline	06	100-01-6	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
4-Nitrophenol	06	100-02-7	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
7,12-Dimethylbenz (a) anthracene	06	57-97-6	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Acenaphthene	06	83-32-9	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Acenaphthylene	06	208-96-8	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Acetophenone	06	98-86-2	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Aniline	06	62-53-3	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Anthracene	06	120-12-7	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Benzidine	06	92-87-5	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Benzo (a) anthracene	06	56-55-3	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Benzo (a) pyrene	06	50-32-8	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Benzo (b) fluoranthene	06	205-99-2	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Benzo (g,h,i) perylene	06	191-24-2	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD	C	389	389	4	ug/kg dry	ZDR

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	06	207-08-9	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Benzoic acid	06	65-85-0	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD	C	389	389	4	ug/kg dry	ZDR
Benzyl alcohol	06	100-51-6	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
bis (2-Chloroethoxy) methane	06	111-91-1	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
bis (2-Chloroethyl) ether	06	111-44-4	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
2,2'-Oxybis (1-chloropropane)	06	108-60-1	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
bis (2-Ethylhexyl) phthalate	06	117-81-7	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Butyl benzyl phthalate	06	85-68-7	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Chrysene	06	218-01-9	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Dibenz (a,h) anthracene	06	53-70-3	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD	C	389	389	4	ug/kg dry	ZDR
Dibenz (a,j) acridine	06	224-42-0	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD	C	389	389	4	ug/kg dry	ZDR
Dibenzofuran	06	132-64-9	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Diethyl phthalate	06	84-66-2	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Dimethyl phthalate	06	131-11-3	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Di-n-butyl phthalate	06	84-74-2	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Di-n-octyl phthalate	06	117-84-0	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Diphenylamine	06	122-39-4	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Ethyl methanesulfonate	06	62-50-0	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Fluoranthene	06	206-44-0	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Fluorene	06	86-73-7	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Hexachlorobenzene	06	118-74-1	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Hexachlorobutadiene	06	87-68-3	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Hexachlorocyclopentadiene	06	77-47-4	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Hexachloroethane	06	67-72-1	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR

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Submitted To: Tom Raymond

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Client Sample ID: **SC-11** **Laboratory Sample ID:** **23L1228-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	06	193-39-5	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD	C	389	389	4	ug/kg dry	ZDR
Isophorone	06	78-59-1	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD	C	389	389	4	ug/kg dry	ZDR
m+p-Cresols	06	1319-77-3	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Methyl methanesulfonate	06	66-27-3	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Naphthalene	06	91-20-3	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Nitrobenzene	06	98-95-3	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
n-Nitrosodimethylamine	06	62-75-9	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD	C	389	389	4	ug/kg dry	ZDR
n-Nitrosodi-n-butylamine	06	924-16-3	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
n-Nitrosodi-n-propylamine	06	621-64-7	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
n-Nitrosodiphenylamine	06	86-30-6	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
n-Nitrosopiperidine	06	100-75-4	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
o+m+p-Cresols	06	1319-77-3	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
o-Cresol	06	95-48-7	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
p-(Dimethylamino) azobenzene	06	60-11-7	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
p-Chloro-m-cresol	06	59-50-7	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Pentachloronitrobenzene (quintozene)	06	82-68-8	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Pentachlorophenol	06	87-86-5	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD	C	389	389	4	ug/kg dry	ZDR
Phenacetin	06	62-44-2	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Phenanthrene	06	85-01-8	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Phenol	06	108-95-2	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Pronamide	06	23950-58-5	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Pyrene	06	129-00-0	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD		389	389	4	ug/kg dry	ZDR
Pyridine	06	110-86-1	SW8270E	12/22/2023 08:45	12/28/2023 14:29	BLOD	C	389	389	4	ug/kg dry	ZDR
Surr: 2,4,6-Tribromophenol (Surr)	*06*	*30.2 %*	*15-96*	*12/22/2023 08:45*	*12/28/2023 14:29*							

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*06*		*24.9 %*	*19-105*	*12/22/2023 08:45*	*12/28/2023 14:29*						
Surr: 2-Fluorophenol (Surr)	*06*		*41.6 %*	*12-95*	*12/22/2023 08:45*	*12/28/2023 14:29*						
Surr: Nitrobenzene-d5 (Surr)	*06*		*43.1 %*	*21-100*	*12/22/2023 08:45*	*12/28/2023 14:29*						
Surr: Phenol-d5 (Surr)	*06*		*36.1 %*	*13-100*	*12/22/2023 08:45*	*12/28/2023 14:29*						
Surr: p-Terphenyl-d14 (Surr)	*06*		*32.6 %*	*25-125*	*12/22/2023 08:45*	*12/28/2023 14:29*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	06	14808-79-8	SW9056A	12/21/2023 10:00	12/21/2023 10:00	29.3		2.98	11.9	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	06	7664-41-7	EPA350.1 R2.0	01/02/2024 15:01	01/02/2024 15:01	BLOD		11.9	11.9	1	mg/kg dry	SPH
Chromium, Hexavalent	06	18540-29-9	SW7199	01/03/2024 09:00	01/04/2024 02:39	0.83		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	06	14797-55-8	SW9056A	12/21/2023 10:00	12/21/2023 10:00	BLOD		1.19	2.39	1	mg/kg dry	ATG
Percent Solids	06	NA	SM2540G-2011	12/22/2023 15:31	12/22/2023 15:31	83.8		0.10	0.10	1	%	KJM

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Client Sample ID: **SC-16** **Laboratory Sample ID:** **23L1228-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	07	7440-22-4	SW6020B	12/27/2023 11:15	01/04/2024 12:40	26.8		2.75	2.75	1	ug/kg dry	AB
Arsenic	07	7440-38-2	SW6020B	12/27/2023 11:15	01/04/2024 12:40	1700		55.1	55.1	1	ug/kg dry	AB
Barium	07RE1	7440-39-3	SW6020B	12/27/2023 11:15	01/04/2024 13:40	214000		55100	55100	100	ug/kg dry	AB
Beryllium	07	7440-41-7	SW6020B	12/27/2023 11:15	01/04/2024 12:40	700		55.1	55.1	1	ug/kg dry	AB
Cadmium	07	7440-43-9	SW6020B	12/27/2023 11:15	01/04/2024 12:40	129		55.1	55.1	1	ug/kg dry	AB
Cobalt	07	7440-48-4	SW6020B	12/27/2023 11:15	01/04/2024 12:40	23600		55.1	55.1	1	ug/kg dry	AB
Chromium	07RE1	7440-47-3	SW6020B	12/27/2023 11:15	01/04/2024 13:40	76700		5510	5510	100	ug/kg dry	AB
Copper	07RE1	7440-50-8	SW6020B	12/27/2023 11:15	01/04/2024 13:40	67300		5510	5510	100	ug/kg dry	AB
Mercury	07	7439-97-6	SW7471B	01/08/2024 09:32	01/08/2024 13:32	0.042		0.009	0.009	1	mg/kg dry	AB
Manganese	07RE1	7439-96-5	SW6020B	12/27/2023 11:15	01/04/2024 13:40	1040000		5510	5510	100	ug/kg dry	AB
Nickel	07RE1	7440-02-0	SW6020B	12/27/2023 11:15	01/04/2024 13:40	47600		5510	5510	100	ug/kg dry	AB
Lead	07	7439-92-1	SW6020B	12/27/2023 11:15	01/04/2024 12:40	7820		55.1	55.1	1	ug/kg dry	AB
Antimony	07	7440-36-0	SW6020B	12/27/2023 11:15	01/04/2024 12:40	BLOD		55.1	55.1	1	ug/kg dry	AB
Selenium	07	7782-49-2	SW6020B	12/27/2023 11:15	01/04/2024 12:40	2100		55.1	55.1	1	ug/kg dry	AB
Thallium	07	7440-28-0	SW6020B	12/27/2023 11:15	01/04/2024 12:40	146		55.1	55.1	1	ug/kg dry	AB
Vanadium	07RE1	7440-62-2	SW6020B	12/27/2023 11:15	01/04/2024 13:40	101000		27500	27500	100	ug/kg dry	AB
Zinc	07RE1	7440-66-6	SW6020B	12/27/2023 11:15	01/04/2024 13:40	75200		27500	27500	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	07	630-20-6	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,1,1-Trichloroethane	07	71-55-6	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	07	79-34-5	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,1,2-Trichloroethane	07	79-00-5	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,1-Dichloroethane	07	75-34-3	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,1-Dichloroethylene	07	75-35-4	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB

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Client Sample ID: **SC-16** **Laboratory Sample ID:** **23L1228-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	07	563-58-6	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	07	87-61-6	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,2,3-Trichloropropane	07	96-18-4	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	07	120-82-1	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	07	95-63-6	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	07	96-12-8	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	07	106-93-4	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,2-Dichlorobenzene	07	95-50-1	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,2-Dichloroethane	07	107-06-2	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,2-Dichloropropane	07	78-87-5	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	07	108-67-8	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,3-Dichlorobenzene	07	541-73-1	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,3-Dichloropropane	07	142-28-9	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
1,4-Dichlorobenzene	07	106-46-7	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
2,2-Dichloropropane	07	594-20-7	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
2-Butanone (MEK)	07	78-93-3	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
2-Chlorotoluene	07	95-49-8	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
2-Hexanone (MBK)	07	591-78-6	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
4-Chlorotoluene	07	106-43-4	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
4-Isopropyltoluene	07	99-87-6	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	07	108-10-1	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
Acetone	07	67-64-1	SW8260D	12/21/2023 17:14	12/21/2023 17:14	65.0		10.2	10.2	1	ug/kg dry	RJB
Benzene	07	71-43-2	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
Bromobenzene	07	108-86-1	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	07	74-97-5	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
Bromodichloromethane	07	75-27-4	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
Bromoform	07	75-25-2	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD	C	5.10	5.10	1	ug/kg dry	RJB
Bromomethane	07	74-83-9	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
Carbon disulfide	07	75-15-0	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
Carbon tetrachloride	07	56-23-5	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
Chlorobenzene	07	108-90-7	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
Chloroethane	07	75-00-3	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
Chloroform	07	67-66-3	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
Chloromethane	07	74-87-3	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	07	156-59-2	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	07	10061-01-5	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
Dibromochloromethane	07	124-48-1	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
Dibromomethane	07	74-95-3	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
Dichlorodifluoromethane	07	75-71-8	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	07	108-20-3	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
Ethylbenzene	07	100-41-4	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
Hexachlorobutadiene	07	87-68-3	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
Iodomethane	07	74-88-4	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		10.2	10.2	1	ug/kg dry	RJB
Isopropylbenzene	07	98-82-8	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
m+p-Xylenes	07	179601-23-1	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
Methylene chloride	07	75-09-2	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	07	1634-04-4	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

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Client Sample ID: **SC-16** **Laboratory Sample ID:** **23L1228-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	07	91-20-3	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
n-Butylbenzene	07	104-51-8	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
n-Propylbenzene	07	103-65-1	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
o-Xylene	07	95-47-6	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
sec-Butylbenzene	07	135-98-8	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
Styrene	07	100-42-5	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
tert-Butylbenzene	07	98-06-6	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	07	127-18-4	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
Toluene	07	108-88-3	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	07	156-60-5	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	07	10061-02-6	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
Trichloroethylene	07	79-01-6	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
Trichlorofluoromethane	07	75-69-4	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
Vinyl acetate	07	108-05-4	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	10.2	1	ug/kg dry	RJB
Vinyl chloride	07	75-01-4	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		5.10	5.10	1	ug/kg dry	RJB
Xylenes, Total	07	1330-20-7	SW8260D	12/21/2023 17:14	12/21/2023 17:14	BLOD		15.3	15.3	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*07*		*113 %*	*80-120*	*12/21/2023 17:14*	*12/21/2023 17:14*						
Surr: 4-Bromofluorobenzene (Surr)	*07*		*95.5 %*	*85-120*	*12/21/2023 17:14*	*12/21/2023 17:14*						
Surr: Dibromofluoromethane (Surr)	*07*		*103 %*	*80-130*	*12/21/2023 17:14*	*12/21/2023 17:14*						
Surr: Toluene-d8 (Surr)	*07*		*101 %*	*85-115*	*12/21/2023 17:14*	*12/21/2023 17:14*						

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Client Sample ID: **SC-16** **Laboratory Sample ID:** **23L1228-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	07	123-91-1	SW8270E SIM	12/22/2023 08:45	12/22/2023 21:17	BLOD		3.88	3.88	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*07*	*50.5 %*	*35-100*	*12/22/2023 08:45*	*12/22/2023 21:17*							
1,2,4,5-Tetrachlorobenzene	07	95-94-3	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
1,2,4-Trichlorobenzene	07	120-82-1	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
1,2-Dichlorobenzene	07	95-50-1	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
1,2-Diphenylhydrazine	07	122-66-7	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
1,3-Dichlorobenzene	07	541-73-1	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
1,3-Dinitrobenzene	07	99-65-0	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
1,4-Dichlorobenzene	07	106-46-7	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
1-Chloronaphthalene	07	90-13-1	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
1-Naphthylamine	07	134-32-7	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	07	58-90-2	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
2,4,5-Trichlorophenol	07	95-95-4	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
2,4,6-Trichlorophenol	07	88-06-2	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
2,4-Dichlorophenol	07	120-83-2	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
2,4-Dimethylphenol	07	105-67-9	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
2,4-Dinitrophenol	07	51-28-5	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
2,4-Dinitrotoluene	07	121-14-2	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
2,6-Dichlorophenol	07	87-65-0	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
2,6-Dinitrotoluene	07	606-20-2	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
2-Chloronaphthalene	07	91-58-7	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
2-Chlorophenol	07	95-57-8	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
2-Methylnaphthalene	07	91-57-6	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	07	91-59-8	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
2-Nitroaniline	07	88-74-4	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
2-Nitrophenol	07	88-75-5	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
3,3'-Dichlorobenzidine	07	91-94-1	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
3-Methylcholanthrene	07	56-49-5	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
3-Nitroaniline	07	99-09-2	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	07	534-52-1	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
4-Aminobiphenyl	07	92-67-1	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
4-Bromophenyl phenyl ether	07	101-55-3	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
4-Chloroaniline	07	106-47-8	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	07	7005-72-3	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
4-Nitroaniline	07	100-01-6	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
4-Nitrophenol	07	100-02-7	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	07	57-97-6	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Acenaphthene	07	83-32-9	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Acenaphthylene	07	208-96-8	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Acetophenone	07	98-86-2	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Aniline	07	62-53-3	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Anthracene	07	120-12-7	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Benzidine	07	92-87-5	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Benzo (a) anthracene	07	56-55-3	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Benzo (a) pyrene	07	50-32-8	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Benzo (b) fluoranthene	07	205-99-2	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Benzo (g,h,i) perylene	07	191-24-2	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS

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Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	07	207-08-9	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Benzoic acid	07	65-85-0	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Benzyl alcohol	07	100-51-6	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	07	111-91-1	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
bis (2-Chloroethyl) ether	07	111-44-4	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	07	108-60-1	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	07	117-81-7	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Butyl benzyl phthalate	07	85-68-7	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Chrysene	07	218-01-9	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Dibenz (a,h) anthracene	07	53-70-3	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Dibenz (a,j) acridine	07	224-42-0	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Dibenzofuran	07	132-64-9	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Diethyl phthalate	07	84-66-2	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Dimethyl phthalate	07	131-11-3	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Di-n-butyl phthalate	07	84-74-2	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Di-n-octyl phthalate	07	117-84-0	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Diphenylamine	07	122-39-4	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Ethyl methanesulfonate	07	62-50-0	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Fluoranthene	07	206-44-0	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Fluorene	07	86-73-7	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Hexachlorobenzene	07	118-74-1	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Hexachlorobutadiene	07	87-68-3	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Hexachlorocyclopentadiene	07	77-47-4	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Hexachloroethane	07	67-72-1	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS

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Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	07	193-39-5	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Isophorone	07	78-59-1	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
m+p-Cresols	07	1319-77-3	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Methyl methanesulfonate	07	66-27-3	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Naphthalene	07	91-20-3	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Nitrobenzene	07	98-95-3	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
n-Nitrosodimethylamine	07	62-75-9	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	07	924-16-3	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	07	621-64-7	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
n-Nitrosodiphenylamine	07	86-30-6	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
n-Nitrosopiperidine	07	100-75-4	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
o+m+p-Cresols	07	1319-77-3	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
o-Cresol	07	95-48-7	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	07	60-11-7	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
p-Chloro-m-cresol	07	59-50-7	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	07	82-68-8	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Pentachlorophenol	07	87-86-5	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Phenacetin	07	62-44-2	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Phenanthrene	07	85-01-8	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Phenol	07	108-95-2	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Pronamide	07	23950-58-5	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Pyrene	07	129-00-0	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Pyridine	07	110-86-1	SW8270E	12/22/2023 08:45	12/27/2023 21:04	BLOD		97.0	97.0	1	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*07*	*35.6 %*	*15-96*	*12/22/2023 08:45*	*12/27/2023 21:04*							

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-16** **Laboratory Sample ID:** **23L1228-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*07*		*30.7 %*	*19-105*	*12/22/2023 08:45*	*12/27/2023 21:04*						
Surr: 2-Fluorophenol (Surr)	*07*		*37.2 %*	*12-95*	*12/22/2023 08:45*	*12/27/2023 21:04*						
Surr: Nitrobenzene-d5 (Surr)	*07*		*40.5 %*	*21-100*	*12/22/2023 08:45*	*12/27/2023 21:04*						
Surr: Phenol-d5 (Surr)	*07*		*37.7 %*	*13-100*	*12/22/2023 08:45*	*12/27/2023 21:04*						
Surr: p-Terphenyl-d14 (Surr)	*07*		*61.0 %*	*25-125*	*12/22/2023 08:45*	*12/27/2023 21:04*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	07	14808-79-8	SW9056A	12/21/2023 10:00	12/21/2023 10:00	4.74	J	2.98	11.9	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	07	7664-41-7	EPA350.1 R2.0	01/02/2024 15:01	01/02/2024 15:01	BLOD		11.8	11.8	1	mg/kg dry	SPH
Chromium, Hexavalent	07	18540-29-9	SW7199	01/03/2024 09:00	01/04/2024 03:06	0.73		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	07	14797-55-8	SW9056A	12/21/2023 10:00	12/21/2023 10:00	1.44	J	1.19	2.39	1	mg/kg dry	ATG
Percent Solids	07	NA	SM2540G-2011	12/22/2023 11:45	12/22/2023 11:45	83.9		0.10	0.10	1	%	KJM

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Client Sample ID: **SC-17** **Laboratory Sample ID:** **23L1228-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	08	7440-22-4	SW6020B	12/27/2023 11:15	01/04/2024 12:43	52.6		2.94	2.94	1	ug/kg dry	AB
Arsenic	08	7440-38-2	SW6020B	12/27/2023 11:15	01/04/2024 12:43	1810		58.7	58.7	1	ug/kg dry	AB
Barium	08RE1	7440-39-3	SW6020B	12/27/2023 11:15	01/04/2024 13:43	113000		58700	58700	100	ug/kg dry	AB
Beryllium	08	7440-41-7	SW6020B	12/27/2023 11:15	01/04/2024 12:43	593		58.7	58.7	1	ug/kg dry	AB
Cadmium	08	7440-43-9	SW6020B	12/27/2023 11:15	01/04/2024 12:43	163		58.7	58.7	1	ug/kg dry	AB
Cobalt	08	7440-48-4	SW6020B	12/27/2023 11:15	01/04/2024 12:43	27200		58.7	58.7	1	ug/kg dry	AB
Chromium	08RE1	7440-47-3	SW6020B	12/27/2023 11:15	01/04/2024 13:43	115000		5870	5870	100	ug/kg dry	AB
Copper	08RE1	7440-50-8	SW6020B	12/27/2023 11:15	01/04/2024 13:43	123000		5870	5870	100	ug/kg dry	AB
Mercury	08	7439-97-6	SW7471B	01/08/2024 09:32	01/08/2024 13:39	0.124		0.009	0.009	1	mg/kg dry	AB
Manganese	08RE1	7439-96-5	SW6020B	12/27/2023 11:15	01/04/2024 13:43	532000		5870	5870	100	ug/kg dry	AB
Nickel	08RE1	7440-02-0	SW6020B	12/27/2023 11:15	01/04/2024 13:43	43000		5870	5870	100	ug/kg dry	AB
Lead	08	7439-92-1	SW6020B	12/27/2023 11:15	01/04/2024 12:43	21100		58.7	58.7	1	ug/kg dry	AB
Antimony	08	7440-36-0	SW6020B	12/27/2023 11:15	01/04/2024 12:43	81.8		58.7	58.7	1	ug/kg dry	AB
Selenium	08	7782-49-2	SW6020B	12/27/2023 11:15	01/04/2024 12:43	2620		58.7	58.7	1	ug/kg dry	AB
Thallium	08	7440-28-0	SW6020B	12/27/2023 11:15	01/04/2024 12:43	76.2		58.7	58.7	1	ug/kg dry	AB
Vanadium	08RE1	7440-62-2	SW6020B	12/27/2023 11:15	01/04/2024 13:43	128000		29400	29400	100	ug/kg dry	AB
Zinc	08RE1	7440-66-6	SW6020B	12/27/2023 11:15	01/04/2024 13:43	88200		29400	29400	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	08	630-20-6	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,1,1-Trichloroethane	08	71-55-6	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	08	79-34-5	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,1,2-Trichloroethane	08	79-00-5	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,1-Dichloroethane	08	75-34-3	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,1-Dichloroethylene	08	75-35-4	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB

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Client Sample ID: **SC-17** **Laboratory Sample ID:** **23L1228-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	08	563-58-6	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	08	87-61-6	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,2,3-Trichloropropane	08	96-18-4	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	08	120-82-1	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	08	95-63-6	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	08	96-12-8	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	08	106-93-4	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,2-Dichlorobenzene	08	95-50-1	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,2-Dichloroethane	08	107-06-2	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,2-Dichloropropane	08	78-87-5	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	08	108-67-8	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,3-Dichlorobenzene	08	541-73-1	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,3-Dichloropropane	08	142-28-9	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,4-Dichlorobenzene	08	106-46-7	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
2,2-Dichloropropane	08	594-20-7	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
2-Butanone (MEK)	08	78-93-3	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
2-Chlorotoluene	08	95-49-8	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
2-Hexanone (MBK)	08	591-78-6	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
4-Chlorotoluene	08	106-43-4	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
4-Isopropyltoluene	08	99-87-6	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	08	108-10-1	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
Acetone	08	67-64-1	SW8260D	12/21/2023 17:37	12/21/2023 17:37	50.1		9.92	10.0	1	ug/kg dry	RJB
Benzene	08	71-43-2	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
Bromobenzene	08	108-86-1	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB

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Client Sample ID: SC-17 **Laboratory Sample ID:** 23L1228-08

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	08	74-97-5	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
Bromodichloromethane	08	75-27-4	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
Bromoform	08	75-25-2	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD	C	4.96	5.00	1	ug/kg dry	RJB
Bromomethane	08	74-83-9	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
Carbon disulfide	08	75-15-0	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
Carbon tetrachloride	08	56-23-5	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
Chlorobenzene	08	108-90-7	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
Chloroethane	08	75-00-3	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
Chloroform	08	67-66-3	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
Chloromethane	08	74-87-3	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	08	156-59-2	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	08	10061-01-5	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
Dibromochloromethane	08	124-48-1	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
Dibromomethane	08	74-95-3	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
Dichlorodifluoromethane	08	75-71-8	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	08	108-20-3	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
Ethylbenzene	08	100-41-4	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
Hexachlorobutadiene	08	87-68-3	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
Iodomethane	08	74-88-4	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		9.92	10.0	1	ug/kg dry	RJB
Isopropylbenzene	08	98-82-8	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
m+p-Xylenes	08	179601-23-1	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
Methylene chloride	08	75-09-2	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	08	1634-04-4	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB

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Client Sample ID: **SC-17** **Laboratory Sample ID:** **23L1228-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	08	91-20-3	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
n-Butylbenzene	08	104-51-8	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
n-Propylbenzene	08	103-65-1	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
o-Xylene	08	95-47-6	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
sec-Butylbenzene	08	135-98-8	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
Styrene	08	100-42-5	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
tert-Butylbenzene	08	98-06-6	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	08	127-18-4	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
Toluene	08	108-88-3	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	08	156-60-5	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	08	10061-02-6	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
Trichloroethylene	08	79-01-6	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
Trichlorofluoromethane	08	75-69-4	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
Vinyl acetate	08	108-05-4	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	10.0	1	ug/kg dry	RJB
Vinyl chloride	08	75-01-4	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		4.96	5.00	1	ug/kg dry	RJB
Xylenes, Total	08	1330-20-7	SW8260D	12/21/2023 17:37	12/21/2023 17:37	BLOD		14.9	15.0	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*08*		*108 %*	*80-120*	*12/21/2023 17:37*	*12/21/2023 17:37*						
Surr: 4-Bromofluorobenzene (Surr)	*08*		*95.5 %*	*85-120*	*12/21/2023 17:37*	*12/21/2023 17:37*						
Surr: Dibromofluoromethane (Surr)	*08*		*103 %*	*80-130*	*12/21/2023 17:37*	*12/21/2023 17:37*						
Surr: Toluene-d8 (Surr)	*08*		*100 %*	*85-115*	*12/21/2023 17:37*	*12/21/2023 17:37*						

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Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-17** **Laboratory Sample ID:** **23L1228-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	08	123-91-1	SW8270E SIM	12/22/2023 08:45	12/22/2023 22:37	BLOD		7.96	7.96	2	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*08*	*77.4 %*	*35-100*	*12/22/2023 08:45*	*12/22/2023 22:37*							
1,2,4,5-Tetrachlorobenzene	08	95-94-3	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
1,2,4-Trichlorobenzene	08	120-82-1	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
1,2-Dichlorobenzene	08	95-50-1	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
1,2-Diphenylhydrazine	08	122-66-7	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
1,3-Dichlorobenzene	08	541-73-1	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
1,3-Dinitrobenzene	08	99-65-0	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
1,4-Dichlorobenzene	08	106-46-7	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
1-Chloronaphthalene	08	90-13-1	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
1-Naphthylamine	08	134-32-7	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	08	58-90-2	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
2,4,5-Trichlorophenol	08	95-95-4	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
2,4,6-Trichlorophenol	08	88-06-2	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
2,4-Dichlorophenol	08	120-83-2	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
2,4-Dimethylphenol	08	105-67-9	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
2,4-Dinitrophenol	08	51-28-5	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
2,4-Dinitrotoluene	08	121-14-2	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
2,6-Dichlorophenol	08	87-65-0	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
2,6-Dinitrotoluene	08	606-20-2	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
2-Chloronaphthalene	08	91-58-7	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
2-Chlorophenol	08	95-57-8	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
2-Methylnaphthalene	08	91-57-6	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-17 **Laboratory Sample ID:** 23L1228-08

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	08	91-59-8	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
2-Nitroaniline	08	88-74-4	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
2-Nitrophenol	08	88-75-5	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
3,3'-Dichlorobenzidine	08	91-94-1	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
3-Methylcholanthrene	08	56-49-5	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
3-Nitroaniline	08	99-09-2	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	08	534-52-1	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
4-Aminobiphenyl	08	92-67-1	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
4-Bromophenyl phenyl ether	08	101-55-3	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
4-Chloroaniline	08	106-47-8	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	08	7005-72-3	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
4-Nitroaniline	08	100-01-6	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
4-Nitrophenol	08	100-02-7	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	08	57-97-6	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Acenaphthene	08	83-32-9	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Acenaphthylene	08	208-96-8	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Acetophenone	08	98-86-2	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Aniline	08	62-53-3	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Anthracene	08	120-12-7	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Benzidine	08	92-87-5	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Benzo (a) anthracene	08	56-55-3	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Benzo (a) pyrene	08	50-32-8	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Benzo (b) fluoranthene	08	205-99-2	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Benzo (g,h,i) perylene	08	191-24-2	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS

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Client Sample ID: SC-17 **Laboratory Sample ID:** 23L1228-08

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	08	207-08-9	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Benzoic acid	08	65-85-0	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Benzyl alcohol	08	100-51-6	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	08	111-91-1	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
bis (2-Chloroethyl) ether	08	111-44-4	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	08	108-60-1	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	08	117-81-7	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Butyl benzyl phthalate	08	85-68-7	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Chrysene	08	218-01-9	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Dibenz (a,h) anthracene	08	53-70-3	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Dibenz (a,j) acridine	08	224-42-0	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Dibenzofuran	08	132-64-9	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Diethyl phthalate	08	84-66-2	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Dimethyl phthalate	08	131-11-3	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Di-n-butyl phthalate	08	84-74-2	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Di-n-octyl phthalate	08	117-84-0	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Diphenylamine	08	122-39-4	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Ethyl methanesulfonate	08	62-50-0	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Fluoranthene	08	206-44-0	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Fluorene	08	86-73-7	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Hexachlorobenzene	08	118-74-1	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Hexachlorobutadiene	08	87-68-3	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Hexachlorocyclopentadiene	08	77-47-4	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Hexachloroethane	08	67-72-1	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS

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Client Sample ID: SC-17 **Laboratory Sample ID:** 23L1228-08

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	08	193-39-5	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Isophorone	08	78-59-1	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
m+p-Cresols	08	1319-77-3	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Methyl methanesulfonate	08	66-27-3	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Naphthalene	08	91-20-3	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Nitrobenzene	08	98-95-3	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
n-Nitrosodimethylamine	08	62-75-9	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	08	924-16-3	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	08	621-64-7	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
n-Nitrosodiphenylamine	08	86-30-6	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
n-Nitrosopiperidine	08	100-75-4	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
o+m+p-Cresols	08	1319-77-3	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
o-Cresol	08	95-48-7	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	08	60-11-7	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
p-Chloro-m-cresol	08	59-50-7	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	08	82-68-8	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Pentachlorophenol	08	87-86-5	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Phenacetin	08	62-44-2	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Phenanthrene	08	85-01-8	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Phenol	08	108-95-2	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Pronamide	08	23950-58-5	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Pyrene	08	129-00-0	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Pyridine	08	110-86-1	SW8270E	12/22/2023 08:45	12/27/2023 22:52	BLOD		398	398	4	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*08*	*41.0 %*	*15-96*	*12/22/2023 08:45*	*12/27/2023 22:52*							

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*08*		*51.1 %*	*19-105*	*12/22/2023 08:45*	*12/27/2023 22:52*						
Surr: 2-Fluorophenol (Surr)	*08*		*59.2 %*	*12-95*	*12/22/2023 08:45*	*12/27/2023 22:52*						
Surr: Nitrobenzene-d5 (Surr)	*08*		*65.4 %*	*21-100*	*12/22/2023 08:45*	*12/27/2023 22:52*						
Surr: Phenol-d5 (Surr)	*08*		*56.4 %*	*13-100*	*12/22/2023 08:45*	*12/27/2023 22:52*						
Surr: p-Terphenyl-d14 (Surr)	*08*		*51.8 %*	*25-125*	*12/22/2023 08:45*	*12/27/2023 22:52*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	08	14808-79-8	SW9056A	12/21/2023 10:00	12/21/2023 10:00	26.3		3.04	12.2	1	mg/kg dry	ATG

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Wet Chemistry Analysis												
Ammonia as N	08	7664-41-7	EPA350.1 R2.0	01/02/2024 15:01	01/02/2024 15:01	BLOD		11.8	11.8	1	mg/kg dry	SPH
Chromium, Hexavalent	08	18540-29-9	SW7199	01/03/2024 09:00	01/04/2024 05:19	1.05		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	08	14797-55-8	SW9056A	12/21/2023 10:00	12/21/2023 10:00	BLOD		1.22	2.43	1	mg/kg dry	ATG
Percent Solids	08	NA	SM2540G-2011	12/22/2023 11:45	12/22/2023 11:45	82.2		0.10	0.10	1	%	KJM

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Client Sample ID: **SC-18** **Laboratory Sample ID:** **23L1228-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	09	7440-22-4	SW6020B	12/27/2023 11:15	01/04/2024 12:47	61.8		2.83	2.83	1	ug/kg dry	AB
Arsenic	09	7440-38-2	SW6020B	12/27/2023 11:15	01/04/2024 12:47	3280		56.5	56.5	1	ug/kg dry	AB
Barium	09RE1	7440-39-3	SW6020B	12/27/2023 11:15	01/04/2024 13:54	77000		56500	56500	100	ug/kg dry	AB
Beryllium	09	7440-41-7	SW6020B	12/27/2023 11:15	01/04/2024 12:47	482		56.5	56.5	1	ug/kg dry	AB
Cadmium	09	7440-43-9	SW6020B	12/27/2023 11:15	01/04/2024 12:47	177		56.5	56.5	1	ug/kg dry	AB
Cobalt	09	7440-48-4	SW6020B	12/27/2023 11:15	01/04/2024 12:47	12100		56.5	56.5	1	ug/kg dry	AB
Chromium	09RE1	7440-47-3	SW6020B	12/27/2023 11:15	01/04/2024 13:54	47000		5650	5650	100	ug/kg dry	AB
Copper	09RE1	7440-50-8	SW6020B	12/27/2023 11:15	01/04/2024 13:54	36600		5650	5650	100	ug/kg dry	AB
Mercury	09	7439-97-6	SW7471B	01/08/2024 09:32	01/08/2024 13:42	0.174		0.009	0.009	1	mg/kg dry	AB
Manganese	09RE1	7439-96-5	SW6020B	12/27/2023 11:15	01/04/2024 13:54	491000		5650	5650	100	ug/kg dry	AB
Nickel	09	7440-02-0	SW6020B	12/27/2023 11:15	01/04/2024 12:47	13800		56.5	56.5	1	ug/kg dry	AB
Lead	09RE1	7439-92-1	SW6020B	12/27/2023 11:15	01/04/2024 13:54	55400		5650	5650	100	ug/kg dry	AB
Antimony	09	7440-36-0	SW6020B	12/27/2023 11:15	01/04/2024 12:47	103		56.5	56.5	1	ug/kg dry	AB
Selenium	09	7782-49-2	SW6020B	12/27/2023 11:15	01/04/2024 12:47	3340		56.5	56.5	1	ug/kg dry	AB
Thallium	09	7440-28-0	SW6020B	12/27/2023 11:15	01/04/2024 12:47	122		56.5	56.5	1	ug/kg dry	AB
Vanadium	09RE1	7440-62-2	SW6020B	12/27/2023 11:15	01/04/2024 13:54	81100		28300	28300	100	ug/kg dry	AB
Zinc	09RE1	7440-66-6	SW6020B	12/27/2023 11:15	01/04/2024 13:54	68100		28300	28300	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	09	630-20-6	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,1,1-Trichloroethane	09	71-55-6	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	09	79-34-5	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,1,2-Trichloroethane	09	79-00-5	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,1-Dichloroethane	09	75-34-3	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,1-Dichloroethylene	09	75-35-4	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-18** **Laboratory Sample ID:** **23L1228-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	09	563-58-6	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	09	87-61-6	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,2,3-Trichloropropane	09	96-18-4	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	09	120-82-1	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	09	95-63-6	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	09	96-12-8	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	09	106-93-4	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,2-Dichlorobenzene	09	95-50-1	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,2-Dichloroethane	09	107-06-2	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,2-Dichloropropane	09	78-87-5	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	09	108-67-8	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,3-Dichlorobenzene	09	541-73-1	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,3-Dichloropropane	09	142-28-9	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
1,4-Dichlorobenzene	09	106-46-7	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
2,2-Dichloropropane	09	594-20-7	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
2-Butanone (MEK)	09	78-93-3	SW8260D	12/21/2023 18:00	12/21/2023 18:00	10.8		5.82	5.82	1	ug/kg dry	RJB
2-Chlorotoluene	09	95-49-8	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
2-Hexanone (MBK)	09	591-78-6	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
4-Chlorotoluene	09	106-43-4	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
4-Isopropyltoluene	09	99-87-6	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	09	108-10-1	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
Acetone	09	67-64-1	SW8260D	12/21/2023 18:00	12/21/2023 18:00	232		11.6	11.6	1	ug/kg dry	RJB
Benzene	09	71-43-2	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
Bromobenzene	09	108-86-1	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: SC-18 **Laboratory Sample ID:** 23L1228-09

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	09	74-97-5	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
Bromodichloromethane	09	75-27-4	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
Bromoform	09	75-25-2	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD	C	5.82	5.82	1	ug/kg dry	RJB
Bromomethane	09	74-83-9	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
Carbon disulfide	09	75-15-0	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
Carbon tetrachloride	09	56-23-5	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
Chlorobenzene	09	108-90-7	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
Chloroethane	09	75-00-3	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
Chloroform	09	67-66-3	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
Chloromethane	09	74-87-3	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	09	156-59-2	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	09	10061-01-5	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
Dibromochloromethane	09	124-48-1	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
Dibromomethane	09	74-95-3	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
Dichlorodifluoromethane	09	75-71-8	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	09	108-20-3	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
Ethylbenzene	09	100-41-4	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
Hexachlorobutadiene	09	87-68-3	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
Iodomethane	09	74-88-4	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		11.6	11.6	1	ug/kg dry	RJB
Isopropylbenzene	09	98-82-8	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
m+p-Xylenes	09	179601-23-1	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
Methylene chloride	09	75-09-2	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	09	1634-04-4	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-18** **Laboratory Sample ID:** **23L1228-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	09	91-20-3	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
n-Butylbenzene	09	104-51-8	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
n-Propylbenzene	09	103-65-1	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
o-Xylene	09	95-47-6	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
sec-Butylbenzene	09	135-98-8	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
Styrene	09	100-42-5	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
tert-Butylbenzene	09	98-06-6	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	09	127-18-4	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
Toluene	09	108-88-3	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	09	156-60-5	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	09	10061-02-6	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
Trichloroethylene	09	79-01-6	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
Trichlorofluoromethane	09	75-69-4	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
Vinyl acetate	09	108-05-4	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	11.6	1	ug/kg dry	RJB
Vinyl chloride	09	75-01-4	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		5.82	5.82	1	ug/kg dry	RJB
Xylenes, Total	09	1330-20-7	SW8260D	12/21/2023 18:00	12/21/2023 18:00	BLOD		17.5	17.5	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*09*		*106 %*	*80-120*	*12/21/2023 18:00*	*12/21/2023 18:00*						
Surr: 4-Bromofluorobenzene (Surr)	*09*		*90.5 %*	*85-120*	*12/21/2023 18:00*	*12/21/2023 18:00*						
Surr: Dibromofluoromethane (Surr)	*09*		*106 %*	*80-130*	*12/21/2023 18:00*	*12/21/2023 18:00*						
Surr: Toluene-d8 (Surr)	*09*		*100 %*	*85-115*	*12/21/2023 18:00*	*12/21/2023 18:00*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	09	123-91-1	SW8270E SIM	12/22/2023 08:45	12/22/2023 23:04	BLOD		7.94	7.94	2	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*09*	*76.6 %*	*35-100*	*12/22/2023 08:45*	*12/22/2023 23:04*							
1,2,4,5-Tetrachlorobenzene	09	95-94-3	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
1,2,4-Trichlorobenzene	09	120-82-1	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
1,2-Dichlorobenzene	09	95-50-1	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
1,2-Diphenylhydrazine	09	122-66-7	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
1,3-Dichlorobenzene	09	541-73-1	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
1,3-Dinitrobenzene	09	99-65-0	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
1,4-Dichlorobenzene	09	106-46-7	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
1-Chloronaphthalene	09	90-13-1	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
1-Naphthylamine	09	134-32-7	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	09	58-90-2	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
2,4,5-Trichlorophenol	09	95-95-4	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
2,4,6-Trichlorophenol	09	88-06-2	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
2,4-Dichlorophenol	09	120-83-2	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
2,4-Dimethylphenol	09	105-67-9	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
2,4-Dinitrophenol	09	51-28-5	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
2,4-Dinitrotoluene	09	121-14-2	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
2,6-Dichlorophenol	09	87-65-0	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
2,6-Dinitrotoluene	09	606-20-2	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
2-Chloronaphthalene	09	91-58-7	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
2-Chlorophenol	09	95-57-8	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
2-Methylnaphthalene	09	91-57-6	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	09	91-59-8	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
2-Nitroaniline	09	88-74-4	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
2-Nitrophenol	09	88-75-5	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
3,3'-Dichlorobenzidine	09	91-94-1	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
3-Methylcholanthrene	09	56-49-5	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
3-Nitroaniline	09	99-09-2	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	09	534-52-1	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
4-Aminobiphenyl	09	92-67-1	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
4-Bromophenyl phenyl ether	09	101-55-3	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
4-Chloroaniline	09	106-47-8	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	09	7005-72-3	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
4-Nitroaniline	09	100-01-6	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
4-Nitrophenol	09	100-02-7	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	09	57-97-6	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Acenaphthene	09	83-32-9	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Acenaphthylene	09	208-96-8	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Acetophenone	09	98-86-2	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Aniline	09	62-53-3	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Anthracene	09	120-12-7	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Benzidine	09	92-87-5	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Benzo (a) anthracene	09	56-55-3	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Benzo (a) pyrene	09	50-32-8	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Benzo (b) fluoranthene	09	205-99-2	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Benzo (g,h,i) perylene	09	191-24-2	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS

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Client Sample ID: SC-18 **Laboratory Sample ID:** 23L1228-09

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	09	207-08-9	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Benzoic acid	09	65-85-0	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Benzyl alcohol	09	100-51-6	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	09	111-91-1	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
bis (2-Chloroethyl) ether	09	111-44-4	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	09	108-60-1	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	09	117-81-7	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Butyl benzyl phthalate	09	85-68-7	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Chrysene	09	218-01-9	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Dibenz (a,h) anthracene	09	53-70-3	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Dibenz (a,j) acridine	09	224-42-0	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Dibenzofuran	09	132-64-9	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Diethyl phthalate	09	84-66-2	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Dimethyl phthalate	09	131-11-3	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Di-n-butyl phthalate	09	84-74-2	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Di-n-octyl phthalate	09	117-84-0	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Diphenylamine	09	122-39-4	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Ethyl methanesulfonate	09	62-50-0	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Fluoranthene	09	206-44-0	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Fluorene	09	86-73-7	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Hexachlorobenzene	09	118-74-1	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Hexachlorobutadiene	09	87-68-3	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Hexachlorocyclopentadiene	09	77-47-4	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Hexachloroethane	09	67-72-1	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS

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Client Sample ID: SC-18 **Laboratory Sample ID:** 23L1228-09

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	09	193-39-5	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Isophorone	09	78-59-1	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
m+p-Cresols	09	1319-77-3	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Methyl methanesulfonate	09	66-27-3	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Naphthalene	09	91-20-3	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Nitrobenzene	09	98-95-3	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
n-Nitrosodimethylamine	09	62-75-9	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	09	924-16-3	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	09	621-64-7	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
n-Nitrosodiphenylamine	09	86-30-6	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
n-Nitrosopiperidine	09	100-75-4	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
o+m+p-Cresols	09	1319-77-3	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
o-Cresol	09	95-48-7	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	09	60-11-7	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
p-Chloro-m-cresol	09	59-50-7	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	09	82-68-8	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Pentachlorophenol	09	87-86-5	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Phenacetin	09	62-44-2	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Phenanthrene	09	85-01-8	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Phenol	09	108-95-2	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Pronamide	09	23950-58-5	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Pyrene	09	129-00-0	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Pyridine	09	110-86-1	SW8270E	12/22/2023 08:45	12/27/2023 23:27	BLOD		993	993	10	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*09*	*24.8 %*	*15-96*	*12/22/2023 08:45*	*12/27/2023 23:27*							

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Client Sample ID: **SC-18** **Laboratory Sample ID:** **23L1228-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*09*		*14.8 %*	*19-105*	*12/22/2023 08:45*	*12/27/2023 23:27*						*DS*
Surr: 2-Fluorophenol (Surr)	*09*		*39.2 %*	*12-95*	*12/22/2023 08:45*	*12/27/2023 23:27*						
Surr: Nitrobenzene-d5 (Surr)	*09*		*49.6 %*	*21-100*	*12/22/2023 08:45*	*12/27/2023 23:27*						
Surr: Phenol-d5 (Surr)	*09*		*38.8 %*	*13-100*	*12/22/2023 08:45*	*12/27/2023 23:27*						
Surr: p-Terphenyl-d14 (Surr)	*09*		*20.6 %*	*25-125*	*12/22/2023 08:45*	*12/27/2023 23:27*						*DS*

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	09	14808-79-8	SW9056A	12/21/2023 10:00	12/21/2023 10:00	4.59	J	3.02	12.1	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	09	7664-41-7	EPA350.1 R2.0	01/05/2024 15:22	01/05/2024 15:22	BLOD		11.9	11.9	1	mg/kg dry	LAM
Chromium, Hexavalent	09	18540-29-9	SW7199	01/03/2024 09:00	01/04/2024 05:45	0.87		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	09	14797-55-8	SW9056A	12/21/2023 10:00	12/21/2023 10:00	2.12	J	1.21	2.42	1	mg/kg dry	ATG
Percent Solids	09	NA	SM2540G-2011	12/22/2023 15:31	12/22/2023 15:31	82.7		0.10	0.10	1	%	KJM

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Client Sample ID: **SC-19** **Laboratory Sample ID:** **23L1228-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	10	7440-22-4	SW6020B	12/27/2023 11:15	01/04/2024 12:50	74.8		2.89	2.89	1	ug/kg dry	AB
Arsenic	10	7440-38-2	SW6020B	12/27/2023 11:15	01/04/2024 12:50	3340		57.8	57.8	1	ug/kg dry	AB
Barium	10RE1	7440-39-3	SW6020B	12/27/2023 11:15	01/04/2024 13:57	104000		57800	57800	100	ug/kg dry	AB
Beryllium	10	7440-41-7	SW6020B	12/27/2023 11:15	01/04/2024 12:50	463		57.8	57.8	1	ug/kg dry	AB
Cadmium	10	7440-43-9	SW6020B	12/27/2023 11:15	01/04/2024 12:50	223		57.8	57.8	1	ug/kg dry	AB
Cobalt	10	7440-48-4	SW6020B	12/27/2023 11:15	01/04/2024 12:50	17600		57.8	57.8	1	ug/kg dry	AB
Chromium	10RE1	7440-47-3	SW6020B	12/27/2023 11:15	01/04/2024 13:57	61300		5780	5780	100	ug/kg dry	AB
Copper	10RE1	7440-50-8	SW6020B	12/27/2023 11:15	01/04/2024 13:57	97200		5780	5780	100	ug/kg dry	AB
Mercury	10	7439-97-6	SW7471B	01/08/2024 09:32	01/08/2024 13:44	0.094		0.010	0.010	1	mg/kg dry	AB
Manganese	10RE1	7439-96-5	SW6020B	12/27/2023 11:15	01/04/2024 13:57	512000		5780	5780	100	ug/kg dry	AB
Nickel	10	7440-02-0	SW6020B	12/27/2023 11:15	01/04/2024 12:50	20300		57.8	57.8	1	ug/kg dry	AB
Lead	10RE1	7439-92-1	SW6020B	12/27/2023 11:15	01/04/2024 13:57	143000		5780	5780	100	ug/kg dry	AB
Antimony	10	7440-36-0	SW6020B	12/27/2023 11:15	01/04/2024 12:50	417		57.8	57.8	1	ug/kg dry	AB
Selenium	10	7782-49-2	SW6020B	12/27/2023 11:15	01/04/2024 12:50	1870		57.8	57.8	1	ug/kg dry	AB
Thallium	10	7440-28-0	SW6020B	12/27/2023 11:15	01/04/2024 12:50	101		57.8	57.8	1	ug/kg dry	AB
Vanadium	10RE1	7440-62-2	SW6020B	12/27/2023 11:15	01/04/2024 13:57	99900		28900	28900	100	ug/kg dry	AB
Zinc	10RE1	7440-66-6	SW6020B	12/27/2023 11:15	01/04/2024 13:57	128000		28900	28900	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	10	630-20-6	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
1,1,1-Trichloroethane	10	71-55-6	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	10	79-34-5	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
1,1,2-Trichloroethane	10	79-00-5	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
1,1-Dichloroethane	10	75-34-3	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
1,1-Dichloroethylene	10	75-35-4	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB

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Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	10	563-58-6	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	10	87-61-6	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
1,2,3-Trichloropropane	10	96-18-4	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	10	120-82-1	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	10	95-63-6	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	10	96-12-8	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	10	106-93-4	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
1,2-Dichlorobenzene	10	95-50-1	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
1,2-Dichloroethane	10	107-06-2	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
1,2-Dichloropropane	10	78-87-5	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	10	108-67-8	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
1,3-Dichlorobenzene	10	541-73-1	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
1,3-Dichloropropane	10	142-28-9	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
1,4-Dichlorobenzene	10	106-46-7	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
2,2-Dichloropropane	10	594-20-7	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
2-Butanone (MEK)	10	78-93-3	SW8260D	12/22/2023 18:47	12/22/2023 18:47	14.6		5.29	5.29	1	ug/kg dry	RJB
2-Chlorotoluene	10	95-49-8	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
2-Hexanone (MBK)	10	591-78-6	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
4-Chlorotoluene	10	106-43-4	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
4-Isopropyltoluene	10	99-87-6	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	10	108-10-1	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
Acetone	10	67-64-1	SW8260D	12/22/2023 18:47	12/22/2023 18:47	207		10.6	10.6	1	ug/kg dry	RJB
Benzene	10	71-43-2	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
Bromobenzene	10	108-86-1	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB

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Client Sample ID: **SC-19** **Laboratory Sample ID:** **23L1228-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	10	74-97-5	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
Bromodichloromethane	10	75-27-4	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
Bromoform	10	75-25-2	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
Bromomethane	10	74-83-9	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
Carbon disulfide	10	75-15-0	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
Carbon tetrachloride	10	56-23-5	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
Chlorobenzene	10	108-90-7	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
Chloroethane	10	75-00-3	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
Chloroform	10	67-66-3	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
Chloromethane	10	74-87-3	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	10	156-59-2	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	10	10061-01-5	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
Dibromochloromethane	10	124-48-1	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
Dibromomethane	10	74-95-3	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
Dichlorodifluoromethane	10	75-71-8	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	10	108-20-3	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
Ethylbenzene	10	100-41-4	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
Hexachlorobutadiene	10	87-68-3	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
Iodomethane	10	74-88-4	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		10.6	10.6	1	ug/kg dry	RJB
Isopropylbenzene	10	98-82-8	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
m+p-Xylenes	10	179601-23-1	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
Methylene chloride	10	75-09-2	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	10	1634-04-4	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB

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Client Sample ID: **SC-19** **Laboratory Sample ID:** **23L1228-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	10	91-20-3	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
n-Butylbenzene	10	104-51-8	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
n-Propylbenzene	10	103-65-1	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
o-Xylene	10	95-47-6	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
sec-Butylbenzene	10	135-98-8	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
Styrene	10	100-42-5	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
tert-Butylbenzene	10	98-06-6	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	10	127-18-4	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
Toluene	10	108-88-3	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	10	156-60-5	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	10	10061-02-6	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
Trichloroethylene	10	79-01-6	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
Trichlorofluoromethane	10	75-69-4	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
Vinyl acetate	10	108-05-4	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	10.6	1	ug/kg dry	RJB
Vinyl chloride	10	75-01-4	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		5.29	5.29	1	ug/kg dry	RJB
Xylenes, Total	10	1330-20-7	SW8260D	12/22/2023 18:47	12/22/2023 18:47	BLOD		15.9	15.9	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*10*		*109 %*	*80-120*	*12/22/2023 18:47*	*12/22/2023 18:47*						
Surr: 4-Bromofluorobenzene (Surr)	*10*		*90.3 %*	*85-120*	*12/22/2023 18:47*	*12/22/2023 18:47*						
Surr: Dibromofluoromethane (Surr)	*10*		*104 %*	*80-130*	*12/22/2023 18:47*	*12/22/2023 18:47*						
Surr: Toluene-d8 (Surr)	*10*		*100 %*	*85-115*	*12/22/2023 18:47*	*12/22/2023 18:47*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	10	123-91-1	SW8270E SIM	12/22/2023 08:45	12/22/2023 23:30	BLOD		8.12	8.12	2	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*10*	*63.8 %*	*35-100*	*12/22/2023 08:45*	*12/22/2023 23:30*							
1,2,4,5-Tetrachlorobenzene	10	95-94-3	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
1,2,4-Trichlorobenzene	10	120-82-1	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
1,2-Dichlorobenzene	10	95-50-1	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
1,2-Diphenylhydrazine	10	122-66-7	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
1,3-Dichlorobenzene	10	541-73-1	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
1,3-Dinitrobenzene	10	99-65-0	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
1,4-Dichlorobenzene	10	106-46-7	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
1-Chloronaphthalene	10	90-13-1	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
1-Naphthylamine	10	134-32-7	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	10	58-90-2	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
2,4,5-Trichlorophenol	10	95-95-4	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
2,4,6-Trichlorophenol	10	88-06-2	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
2,4-Dichlorophenol	10	120-83-2	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
2,4-Dimethylphenol	10	105-67-9	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
2,4-Dinitrophenol	10	51-28-5	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
2,4-Dinitrotoluene	10	121-14-2	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
2,6-Dichlorophenol	10	87-65-0	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
2,6-Dinitrotoluene	10	606-20-2	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
2-Chloronaphthalene	10	91-58-7	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
2-Chlorophenol	10	95-57-8	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
2-Methylnaphthalene	10	91-57-6	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	10	91-59-8	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
2-Nitroaniline	10	88-74-4	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
2-Nitrophenol	10	88-75-5	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
3,3'-Dichlorobenzidine	10	91-94-1	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
3-Methylcholanthrene	10	56-49-5	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
3-Nitroaniline	10	99-09-2	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	10	534-52-1	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
4-Aminobiphenyl	10	92-67-1	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
4-Bromophenyl phenyl ether	10	101-55-3	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
4-Chloroaniline	10	106-47-8	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	10	7005-72-3	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
4-Nitroaniline	10	100-01-6	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
4-Nitrophenol	10	100-02-7	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	10	57-97-6	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Acenaphthene	10	83-32-9	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Acenaphthylene	10	208-96-8	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Acetophenone	10	98-86-2	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Aniline	10	62-53-3	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Anthracene	10	120-12-7	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Benzidine	10	92-87-5	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Benzo (a) anthracene	10	56-55-3	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Benzo (a) pyrene	10	50-32-8	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Benzo (b) fluoranthene	10	205-99-2	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Benzo (g,h,i) perylene	10	191-24-2	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS

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Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	10	207-08-9	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Benzoic acid	10	65-85-0	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Benzyl alcohol	10	100-51-6	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	10	111-91-1	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
bis (2-Chloroethyl) ether	10	111-44-4	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	10	108-60-1	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	10	117-81-7	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Butyl benzyl phthalate	10	85-68-7	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Chrysene	10	218-01-9	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Dibenz (a,h) anthracene	10	53-70-3	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Dibenz (a,j) acridine	10	224-42-0	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Dibenzofuran	10	132-64-9	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Diethyl phthalate	10	84-66-2	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Dimethyl phthalate	10	131-11-3	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Di-n-butyl phthalate	10	84-74-2	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Di-n-octyl phthalate	10	117-84-0	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Diphenylamine	10	122-39-4	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Ethyl methanesulfonate	10	62-50-0	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Fluoranthene	10	206-44-0	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Fluorene	10	86-73-7	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Hexachlorobenzene	10	118-74-1	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Hexachlorobutadiene	10	87-68-3	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Hexachlorocyclopentadiene	10	77-47-4	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Hexachloroethane	10	67-72-1	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS

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Client Sample ID: **SC-19** **Laboratory Sample ID:** **23L1228-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	10	193-39-5	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Isophorone	10	78-59-1	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
m+p-Cresols	10	1319-77-3	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Methyl methanesulfonate	10	66-27-3	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Naphthalene	10	91-20-3	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Nitrobenzene	10	98-95-3	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
n-Nitrosodimethylamine	10	62-75-9	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	10	924-16-3	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	10	621-64-7	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
n-Nitrosodiphenylamine	10	86-30-6	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
n-Nitrosopiperidine	10	100-75-4	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
o+m+p-Cresols	10	1319-77-3	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
o-Cresol	10	95-48-7	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	10	60-11-7	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
p-Chloro-m-cresol	10	59-50-7	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	10	82-68-8	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Pentachlorophenol	10	87-86-5	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Phenacetin	10	62-44-2	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Phenanthrene	10	85-01-8	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Phenol	10	108-95-2	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Pronamide	10	23950-58-5	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Pyrene	10	129-00-0	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Pyridine	10	110-86-1	SW8270E	12/22/2023 08:45	12/28/2023 00:03	BLOD		1020	1020	10	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*10*		*29.2 %*	*15-96*	*12/22/2023 08:45*	*12/28/2023 00:03*						

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Client Sample ID: **SC-19** **Laboratory Sample ID:** **23L1228-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*10*		*12.6 %*	*19-105*	*12/22/2023 08:45*	*12/28/2023 00:03*						*DS*
Surr: 2-Fluorophenol (Surr)	*10*		*38.0 %*	*12-95*	*12/22/2023 08:45*	*12/28/2023 00:03*						
Surr: Nitrobenzene-d5 (Surr)	*10*		*42.2 %*	*21-100*	*12/22/2023 08:45*	*12/28/2023 00:03*						
Surr: Phenol-d5 (Surr)	*10*		*35.3 %*	*13-100*	*12/22/2023 08:45*	*12/28/2023 00:03*						
Surr: p-Terphenyl-d14 (Surr)	*10*		*22.8 %*	*25-125*	*12/22/2023 08:45*	*12/28/2023 00:03*						*DS*

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	10	14808-79-8	SW9056A	12/21/2023 10:00	12/21/2023 10:00	33.6		3.06	12.3	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	10	7664-41-7	EPA350.1 R2.0	01/05/2024 15:22	01/05/2024 15:22	BLOD		12.0	12.0	1	mg/kg dry	LAM
Chromium, Hexavalent	10	18540-29-9	SW7199	01/03/2024 09:00	01/04/2024 06:12	1.19		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	10	14797-55-8	SW9056A	12/21/2023 10:00	12/21/2023 10:00	BLOD		1.23	2.45	1	mg/kg dry	ATG
Percent Solids	10	NA	SM2540G-2011	12/22/2023 15:31	12/22/2023 15:31	81.6		0.10	0.10	1	%	KJM

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Client Sample ID: **SC-20** **Laboratory Sample ID:** **23L1228-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	11	7440-22-4	SW6020B	12/27/2023 11:15	01/04/2024 12:53	209		3.00	3.00	1	ug/kg dry	AB
Arsenic	11	7440-38-2	SW6020B	12/27/2023 11:15	01/04/2024 12:53	2510		60.1	60.1	1	ug/kg dry	AB
Barium	11RE1	7440-39-3	SW6020B	12/27/2023 11:15	01/04/2024 14:00	77600		60100	60100	100	ug/kg dry	AB
Beryllium	11	7440-41-7	SW6020B	12/27/2023 11:15	01/04/2024 12:53	474		60.1	60.1	1	ug/kg dry	AB
Cadmium	11	7440-43-9	SW6020B	12/27/2023 11:15	01/04/2024 12:53	294		60.1	60.1	1	ug/kg dry	AB
Cobalt	11	7440-48-4	SW6020B	12/27/2023 11:15	01/04/2024 12:53	13400		60.1	60.1	1	ug/kg dry	AB
Chromium	11RE1	7440-47-3	SW6020B	12/27/2023 11:15	01/04/2024 14:00	48300		6010	6010	100	ug/kg dry	AB
Copper	11RE1	7440-50-8	SW6020B	12/27/2023 11:15	01/04/2024 14:00	46800		6010	6010	100	ug/kg dry	AB
Mercury	11	7439-97-6	SW7471B	01/08/2024 09:32	01/08/2024 13:47	0.167		0.009	0.009	1	mg/kg dry	AB
Manganese	11RE1	7439-96-5	SW6020B	12/27/2023 11:15	01/04/2024 14:00	506000		6010	6010	100	ug/kg dry	AB
Nickel	11	7440-02-0	SW6020B	12/27/2023 11:15	01/04/2024 12:53	13200		60.1	60.1	1	ug/kg dry	AB
Lead	11RE1	7439-92-1	SW6020B	12/27/2023 11:15	01/04/2024 14:00	93400		6010	6010	100	ug/kg dry	AB
Antimony	11	7440-36-0	SW6020B	12/27/2023 11:15	01/04/2024 12:53	559		60.1	60.1	1	ug/kg dry	AB
Selenium	11	7782-49-2	SW6020B	12/27/2023 11:15	01/04/2024 12:53	2330		60.1	60.1	1	ug/kg dry	AB
Thallium	11	7440-28-0	SW6020B	12/27/2023 11:15	01/04/2024 12:53	90.6		60.1	60.1	1	ug/kg dry	AB
Vanadium	11RE1	7440-62-2	SW6020B	12/27/2023 11:15	01/04/2024 14:00	84200		30000	30000	100	ug/kg dry	AB
Zinc	11RE1	7440-66-6	SW6020B	12/27/2023 11:15	01/04/2024 14:00	177000		30000	30000	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	11	630-20-6	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
1,1,1-Trichloroethane	11	71-55-6	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	11	79-34-5	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
1,1,2-Trichloroethane	11	79-00-5	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
1,1-Dichloroethane	11	75-34-3	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
1,1-Dichloroethylene	11	75-35-4	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB

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Client Sample ID: **SC-20** **Laboratory Sample ID:** **23L1228-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	11	563-58-6	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	11	87-61-6	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
1,2,3-Trichloropropane	11	96-18-4	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	11	120-82-1	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	11	95-63-6	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	11	96-12-8	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	11	106-93-4	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
1,2-Dichlorobenzene	11	95-50-1	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
1,2-Dichloroethane	11	107-06-2	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
1,2-Dichloropropane	11	78-87-5	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	11	108-67-8	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
1,3-Dichlorobenzene	11	541-73-1	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
1,3-Dichloropropane	11	142-28-9	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
1,4-Dichlorobenzene	11	106-46-7	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
2,2-Dichloropropane	11	594-20-7	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
2-Butanone (MEK)	11	78-93-3	SW8260D	12/22/2023 19:10	12/22/2023 19:10	23.4		4.99	5.00	1	ug/kg dry	RJB
2-Chlorotoluene	11	95-49-8	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
2-Hexanone (MBK)	11	591-78-6	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
4-Chlorotoluene	11	106-43-4	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
4-Isopropyltoluene	11	99-87-6	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	11	108-10-1	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
Acetone	11	67-64-1	SW8260D	12/22/2023 19:10	12/22/2023 19:10	252		9.99	10.0	1	ug/kg dry	RJB
Benzene	11	71-43-2	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
Bromobenzene	11	108-86-1	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	11	74-97-5	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
Bromodichloromethane	11	75-27-4	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
Bromoform	11	75-25-2	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
Bromomethane	11	74-83-9	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
Carbon disulfide	11	75-15-0	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
Carbon tetrachloride	11	56-23-5	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
Chlorobenzene	11	108-90-7	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
Chloroethane	11	75-00-3	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
Chloroform	11	67-66-3	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
Chloromethane	11	74-87-3	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	11	156-59-2	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	11	10061-01-5	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
Dibromochloromethane	11	124-48-1	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
Dibromomethane	11	74-95-3	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
Dichlorodifluoromethane	11	75-71-8	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	11	108-20-3	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
Ethylbenzene	11	100-41-4	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
Hexachlorobutadiene	11	87-68-3	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
Iodomethane	11	74-88-4	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		9.99	10.0	1	ug/kg dry	RJB
Isopropylbenzene	11	98-82-8	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
m+p-Xylenes	11	179601-23-1	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
Methylene chloride	11	75-09-2	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	11	1634-04-4	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-20** **Laboratory Sample ID:** **23L1228-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	11	91-20-3	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
n-Butylbenzene	11	104-51-8	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
n-Propylbenzene	11	103-65-1	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
o-Xylene	11	95-47-6	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
sec-Butylbenzene	11	135-98-8	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
Styrene	11	100-42-5	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
tert-Butylbenzene	11	98-06-6	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	11	127-18-4	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
Toluene	11	108-88-3	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	11	156-60-5	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	11	10061-02-6	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
Trichloroethylene	11	79-01-6	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
Trichlorofluoromethane	11	75-69-4	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
Vinyl acetate	11	108-05-4	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	10.0	1	ug/kg dry	RJB
Vinyl chloride	11	75-01-4	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		4.99	5.00	1	ug/kg dry	RJB
Xylenes, Total	11	1330-20-7	SW8260D	12/22/2023 19:10	12/22/2023 19:10	BLOD		15.0	15.0	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*11*		*112 %*	*80-120*	*12/22/2023 19:10*	*12/22/2023 19:10*						
Surr: 4-Bromofluorobenzene (Surr)	*11*		*88.1 %*	*85-120*	*12/22/2023 19:10*	*12/22/2023 19:10*						
Surr: Dibromofluoromethane (Surr)	*11*		*106 %*	*80-130*	*12/22/2023 19:10*	*12/22/2023 19:10*						
Surr: Toluene-d8 (Surr)	*11*		*100 %*	*85-115*	*12/22/2023 19:10*	*12/22/2023 19:10*						

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Client Sample ID: **SC-20** **Laboratory Sample ID:** **23L1228-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	11	123-91-1	SW8270E SIM	12/22/2023 08:45	12/22/2023 23:56	BLOD		4.02	4.02	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*11*	*72.0 %*	*35-100*	*12/22/2023 08:45*	*12/22/2023 23:56*							
1,2,4,5-Tetrachlorobenzene	11	95-94-3	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
1,2,4-Trichlorobenzene	11	120-82-1	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
1,2-Dichlorobenzene	11	95-50-1	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
1,2-Diphenylhydrazine	11	122-66-7	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
1,3-Dichlorobenzene	11	541-73-1	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
1,3-Dinitrobenzene	11	99-65-0	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
1,4-Dichlorobenzene	11	106-46-7	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
1-Chloronaphthalene	11	90-13-1	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
1-Naphthylamine	11	134-32-7	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
2,3,4,6-Tetrachlorophenol	11	58-90-2	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
2,4,5-Trichlorophenol	11	95-95-4	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
2,4,6-Trichlorophenol	11	88-06-2	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
2,4-Dichlorophenol	11	120-83-2	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
2,4-Dimethylphenol	11	105-67-9	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
2,4-Dinitrophenol	11	51-28-5	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
2,4-Dinitrotoluene	11	121-14-2	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
2,6-Dichlorophenol	11	87-65-0	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
2,6-Dinitrotoluene	11	606-20-2	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
2-Chloronaphthalene	11	91-58-7	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
2-Chlorophenol	11	95-57-8	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
2-Methylnaphthalene	11	91-57-6	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR

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Client Sample ID: SC-20 **Laboratory Sample ID:** 23L1228-11

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	11	91-59-8	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
2-Nitroaniline	11	88-74-4	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
2-Nitrophenol	11	88-75-5	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
3,3'-Dichlorobenzidine	11	91-94-1	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
3-Methylcholanthrene	11	56-49-5	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
3-Nitroaniline	11	99-09-2	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
4,6-Dinitro-2-methylphenol	11	534-52-1	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
4-Aminobiphenyl	11	92-67-1	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
4-Bromophenyl phenyl ether	11	101-55-3	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
4-Chloroaniline	11	106-47-8	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
4-Chlorophenyl phenyl ether	11	7005-72-3	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
4-Nitroaniline	11	100-01-6	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
4-Nitrophenol	11	100-02-7	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
7,12-Dimethylbenz (a) anthracene	11	57-97-6	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Acenaphthene	11	83-32-9	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Acenaphthylene	11	208-96-8	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Acetophenone	11	98-86-2	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Aniline	11	62-53-3	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Anthracene	11	120-12-7	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Benzidine	11	92-87-5	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Benzo (a) anthracene	11	56-55-3	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Benzo (a) pyrene	11	50-32-8	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Benzo (b) fluoranthene	11	205-99-2	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Benzo (g,h,i) perylene	11	191-24-2	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR

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Client Sample ID: SC-20 **Laboratory Sample ID:** 23L1228-11

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	11	207-08-9	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Benzoic acid	11	65-85-0	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Benzyl alcohol	11	100-51-6	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
bis (2-Chloroethoxy) methane	11	111-91-1	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
bis (2-Chloroethyl) ether	11	111-44-4	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
2,2'-Oxybis (1-chloropropane)	11	108-60-1	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
bis (2-Ethylhexyl) phthalate	11	117-81-7	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Butyl benzyl phthalate	11	85-68-7	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Chrysene	11	218-01-9	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Dibenz (a,h) anthracene	11	53-70-3	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Dibenz (a,j) acridine	11	224-42-0	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Dibenzofuran	11	132-64-9	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Diethyl phthalate	11	84-66-2	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Dimethyl phthalate	11	131-11-3	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Di-n-butyl phthalate	11	84-74-2	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Di-n-octyl phthalate	11	117-84-0	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Diphenylamine	11	122-39-4	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Ethyl methanesulfonate	11	62-50-0	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Fluoranthene	11	206-44-0	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Fluorene	11	86-73-7	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Hexachlorobenzene	11	118-74-1	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Hexachlorobutadiene	11	87-68-3	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Hexachlorocyclopentadiene	11	77-47-4	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Hexachloroethane	11	67-72-1	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	11	193-39-5	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Isophorone	11	78-59-1	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
m+p-Cresols	11	1319-77-3	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Methyl methanesulfonate	11	66-27-3	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Naphthalene	11	91-20-3	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Nitrobenzene	11	98-95-3	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
n-Nitrosodimethylamine	11	62-75-9	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD	C	402	402	4	ug/kg dry	ZDR
n-Nitrosodi-n-butylamine	11	924-16-3	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
n-Nitrosodi-n-propylamine	11	621-64-7	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
n-Nitrosodiphenylamine	11	86-30-6	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
n-Nitrosopiperidine	11	100-75-4	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
o+m+p-Cresols	11	1319-77-3	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
o-Cresol	11	95-48-7	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
p-(Dimethylamino) azobenzene	11	60-11-7	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
p-Chloro-m-cresol	11	59-50-7	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Pentachloronitrobenzene (quintozene)	11	82-68-8	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Pentachlorophenol	11	87-86-5	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Phenacetin	11	62-44-2	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Phenanthrene	11	85-01-8	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Phenol	11	108-95-2	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Pronamide	11	23950-58-5	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Pyrene	11	129-00-0	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Pyridine	11	110-86-1	SW8270E	12/22/2023 08:45	12/28/2023 20:39	BLOD		402	402	4	ug/kg dry	ZDR
Surr: 2,4,6-Tribromophenol (Surr)	*11*	*50.0 %*	*15-96*	*12/22/2023 08:45*	*12/28/2023 20:39*							

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Client Sample ID: **SC-20** **Laboratory Sample ID:** **23L1228-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*11*		*45.8 %*	*19-105*	*12/22/2023 08:45*	*12/28/2023 20:39*						
Surr: 2-Fluorophenol (Surr)	*11*		*14.3 %*	*12-95*	*12/22/2023 08:45*	*12/28/2023 20:39*						
Surr: Nitrobenzene-d5 (Surr)	*11*		*57.4 %*	*21-100*	*12/22/2023 08:45*	*12/28/2023 20:39*						
Surr: Phenol-d5 (Surr)	*11*		*57.0 %*	*13-100*	*12/22/2023 08:45*	*12/28/2023 20:39*						
Surr: p-Terphenyl-d14 (Surr)	*11*		*51.9 %*	*25-125*	*12/22/2023 08:45*	*12/28/2023 20:39*						

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Client Sample ID: **SC-20** **Laboratory Sample ID:** **23L1228-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	11	14808-79-8	SW9056A	12/21/2023 10:00	12/21/2023 10:00	32.4		3.07	12.3	1	mg/kg dry	ATG

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Client Sample ID: **SC-20** **Laboratory Sample ID:** **23L1228-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	11	7664-41-7	EPA350.1 R2.0	01/05/2024 15:22	01/05/2024 15:22	BLOD		11.4	11.4	1	mg/kg dry	LAM
Chromium, Hexavalent	11	18540-29-9	SW7199	01/03/2024 09:00	01/04/2024 07:32	0.99		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	11	14797-55-8	SW9056A	12/21/2023 10:00	12/21/2023 10:00	2.66		1.23	2.45	1	mg/kg dry	ATG
Percent Solids	11	NA	SM2540G-2011	12/22/2023 15:31	12/22/2023 15:31	81.5		0.10	0.10	1	%	KJM

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Client Sample ID: **SC-21** **Laboratory Sample ID:** **23L1228-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	12	7440-22-4	SW6020B	12/27/2023 11:15	01/04/2024 12:58	317		3.04	3.04	1	ug/kg dry	AB
Arsenic	12	7440-38-2	SW6020B	12/27/2023 11:15	01/04/2024 12:58	3370		60.7	60.7	1	ug/kg dry	AB
Barium	12RE1	7440-39-3	SW6020B	12/27/2023 11:15	01/04/2024 14:04	213000		60700	60700	100	ug/kg dry	AB
Beryllium	12	7440-41-7	SW6020B	12/27/2023 11:15	01/04/2024 12:58	1030		60.7	60.7	1	ug/kg dry	AB
Cadmium	12	7440-43-9	SW6020B	12/27/2023 11:15	01/04/2024 12:58	451		60.7	60.7	1	ug/kg dry	AB
Cobalt	12	7440-48-4	SW6020B	12/27/2023 11:15	01/04/2024 12:58	23400		60.7	60.7	1	ug/kg dry	AB
Chromium	12RE1	7440-47-3	SW6020B	12/27/2023 11:15	01/04/2024 14:04	72800		6070	6070	100	ug/kg dry	AB
Copper	12RE1	7440-50-8	SW6020B	12/27/2023 11:15	01/04/2024 14:04	104000		6070	6070	100	ug/kg dry	AB
Mercury	12RE1	7439-97-6	SW7471B	01/08/2024 09:32	01/08/2024 14:34	0.253		0.020	0.020	2	mg/kg dry	AB
Manganese	12RE1	7439-96-5	SW6020B	12/27/2023 11:15	01/04/2024 14:04	538000		6070	6070	100	ug/kg dry	AB
Nickel	12RE1	7440-02-0	SW6020B	12/27/2023 11:15	01/04/2024 14:04	44400		6070	6070	100	ug/kg dry	AB
Lead	12RE1	7439-92-1	SW6020B	12/27/2023 11:15	01/04/2024 14:04	145000		6070	6070	100	ug/kg dry	AB
Antimony	12	7440-36-0	SW6020B	12/27/2023 11:15	01/04/2024 12:58	428		60.7	60.7	1	ug/kg dry	AB
Selenium	12	7782-49-2	SW6020B	12/27/2023 11:15	01/04/2024 12:58	6830		60.7	60.7	1	ug/kg dry	AB
Thallium	12	7440-28-0	SW6020B	12/27/2023 11:15	01/04/2024 12:58	118		60.7	60.7	1	ug/kg dry	AB
Vanadium	12RE1	7440-62-2	SW6020B	12/27/2023 11:15	01/04/2024 14:04	128000		30400	30400	100	ug/kg dry	AB
Zinc	12RE1	7440-66-6	SW6020B	12/27/2023 11:15	01/04/2024 14:04	209000		30400	30400	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	12	630-20-6	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
1,1,1-Trichloroethane	12	71-55-6	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	12	79-34-5	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
1,1,2-Trichloroethane	12	79-00-5	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
1,1-Dichloroethane	12	75-34-3	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
1,1-Dichloroethylene	12	75-35-4	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB

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Client Sample ID: **SC-21** **Laboratory Sample ID:** **23L1228-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	12	563-58-6	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	12	87-61-6	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
1,2,3-Trichloropropane	12	96-18-4	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	12	120-82-1	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	12	95-63-6	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	12	96-12-8	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD	C	5.08	5.08	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	12	106-93-4	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
1,2-Dichlorobenzene	12	95-50-1	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
1,2-Dichloroethane	12	107-06-2	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
1,2-Dichloropropane	12	78-87-5	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	12	108-67-8	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
1,3-Dichlorobenzene	12	541-73-1	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
1,3-Dichloropropane	12	142-28-9	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
1,4-Dichlorobenzene	12	106-46-7	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
2,2-Dichloropropane	12	594-20-7	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
2-Butanone (MEK)	12	78-93-3	SW8260D	12/26/2023 17:14	12/26/2023 17:14	12.8		5.08	5.08	1	ug/kg dry	RJB
2-Chlorotoluene	12	95-49-8	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
2-Hexanone (MBK)	12	591-78-6	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
4-Chlorotoluene	12	106-43-4	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
4-Isopropyltoluene	12	99-87-6	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	12	108-10-1	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
Acetone	12	67-64-1	SW8260D	12/26/2023 17:14	12/26/2023 17:14	232		10.2	10.2	1	ug/kg dry	RJB
Benzene	12	71-43-2	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
Bromobenzene	12	108-86-1	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	12	74-97-5	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
Bromodichloromethane	12	75-27-4	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
Bromoform	12	75-25-2	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
Bromomethane	12	74-83-9	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
Carbon disulfide	12	75-15-0	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
Carbon tetrachloride	12	56-23-5	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
Chlorobenzene	12	108-90-7	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
Chloroethane	12	75-00-3	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
Chloroform	12	67-66-3	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
Chloromethane	12	74-87-3	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	12	156-59-2	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	12	10061-01-5	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
Dibromochloromethane	12	124-48-1	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
Dibromomethane	12	74-95-3	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
Dichlorodifluoromethane	12	75-71-8	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	12	108-20-3	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
Ethylbenzene	12	100-41-4	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
Hexachlorobutadiene	12	87-68-3	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
Iodomethane	12	74-88-4	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		10.2	10.2	1	ug/kg dry	RJB
Isopropylbenzene	12	98-82-8	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
m+p-Xylenes	12	179601-23-1	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
Methylene chloride	12	75-09-2	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	12	1634-04-4	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	12	91-20-3	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
n-Butylbenzene	12	104-51-8	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
n-Propylbenzene	12	103-65-1	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
o-Xylene	12	95-47-6	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
sec-Butylbenzene	12	135-98-8	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
Styrene	12	100-42-5	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
tert-Butylbenzene	12	98-06-6	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	12	127-18-4	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD	C	5.08	5.08	1	ug/kg dry	RJB
Toluene	12	108-88-3	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	12	156-60-5	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	12	10061-02-6	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
Trichloroethylene	12	79-01-6	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
Trichlorofluoromethane	12	75-69-4	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
Vinyl acetate	12	108-05-4	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	10.2	1	ug/kg dry	RJB
Vinyl chloride	12	75-01-4	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		5.08	5.08	1	ug/kg dry	RJB
Xylenes, Total	12	1330-20-7	SW8260D	12/26/2023 17:14	12/26/2023 17:14	BLOD		15.2	15.2	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*12*	*122 %*	*80-120*	*12/26/2023 17:14*	*12/26/2023 17:14*							*S*
Surr: 4-Bromofluorobenzene (Surr)	*12*	*107 %*	*85-120*	*12/26/2023 17:14*	*12/26/2023 17:14*							
Surr: Dibromofluoromethane (Surr)	*12*	*118 %*	*80-130*	*12/26/2023 17:14*	*12/26/2023 17:14*							
Surr: Toluene-d8 (Surr)	*12*	*105 %*	*85-115*	*12/26/2023 17:14*	*12/26/2023 17:14*							

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Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **SC-21** **Laboratory Sample ID:** **23L1228-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	12	123-91-1	SW8270E SIM	12/22/2023 08:45	12/23/2023 00:23	BLOD		4.28	4.28	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*12*	*69.3 %*	*35-100*	*12/22/2023 08:45*	*12/23/2023 00:23*							
1,2,4,5-Tetrachlorobenzene	12	95-94-3	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
1,2,4-Trichlorobenzene	12	120-82-1	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
1,2-Dichlorobenzene	12	95-50-1	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
1,2-Diphenylhydrazine	12	122-66-7	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
1,3-Dichlorobenzene	12	541-73-1	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
1,3-Dinitrobenzene	12	99-65-0	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
1,4-Dichlorobenzene	12	106-46-7	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
1-Chloronaphthalene	12	90-13-1	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
1-Naphthylamine	12	134-32-7	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
2,3,4,6-Tetrachlorophenol	12	58-90-2	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
2,4,5-Trichlorophenol	12	95-95-4	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
2,4,6-Trichlorophenol	12	88-06-2	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
2,4-Dichlorophenol	12	120-83-2	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
2,4-Dimethylphenol	12	105-67-9	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
2,4-Dinitrophenol	12	51-28-5	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
2,4-Dinitrotoluene	12	121-14-2	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
2,6-Dichlorophenol	12	87-65-0	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
2,6-Dinitrotoluene	12	606-20-2	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
2-Chloronaphthalene	12	91-58-7	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
2-Chlorophenol	12	95-57-8	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
2-Methylnaphthalene	12	91-57-6	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR

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Client Sample ID: SC-21 **Laboratory Sample ID:** 23L1228-12

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	12	91-59-8	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
2-Nitroaniline	12	88-74-4	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
2-Nitrophenol	12	88-75-5	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
3,3'-Dichlorobenzidine	12	91-94-1	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
3-Methylcholanthrene	12	56-49-5	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
3-Nitroaniline	12	99-09-2	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
4,6-Dinitro-2-methylphenol	12	534-52-1	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
4-Aminobiphenyl	12	92-67-1	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
4-Bromophenyl phenyl ether	12	101-55-3	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
4-Chloroaniline	12	106-47-8	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
4-Chlorophenyl phenyl ether	12	7005-72-3	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
4-Nitroaniline	12	100-01-6	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
4-Nitrophenol	12	100-02-7	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
7,12-Dimethylbenz (a) anthracene	12	57-97-6	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Acenaphthene	12	83-32-9	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Acenaphthylene	12	208-96-8	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Acetophenone	12	98-86-2	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Aniline	12	62-53-3	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Anthracene	12	120-12-7	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Benzidine	12	92-87-5	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Benzo (a) anthracene	12	56-55-3	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Benzo (a) pyrene	12	50-32-8	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Benzo (b) fluoranthene	12	205-99-2	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Benzo (g,h,i) perylene	12	191-24-2	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR

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Client Sample ID: SC-21 **Laboratory Sample ID:** 23L1228-12

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	12	207-08-9	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Benzoic acid	12	65-85-0	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Benzyl alcohol	12	100-51-6	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
bis (2-Chloroethoxy) methane	12	111-91-1	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
bis (2-Chloroethyl) ether	12	111-44-4	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
2,2'-Oxybis (1-chloropropane)	12	108-60-1	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
bis (2-Ethylhexyl) phthalate	12	117-81-7	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Butyl benzyl phthalate	12	85-68-7	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Chrysene	12	218-01-9	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Dibenz (a,h) anthracene	12	53-70-3	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Dibenz (a,j) acridine	12	224-42-0	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Dibenzofuran	12	132-64-9	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Diethyl phthalate	12	84-66-2	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Dimethyl phthalate	12	131-11-3	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Di-n-butyl phthalate	12	84-74-2	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Di-n-octyl phthalate	12	117-84-0	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Diphenylamine	12	122-39-4	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Ethyl methanesulfonate	12	62-50-0	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Fluoranthene	12	206-44-0	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Fluorene	12	86-73-7	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Hexachlorobenzene	12	118-74-1	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Hexachlorobutadiene	12	87-68-3	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Hexachlorocyclopentadiene	12	77-47-4	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Hexachloroethane	12	67-72-1	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR

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Client Sample ID: SC-21 **Laboratory Sample ID:** 23L1228-12

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	12	193-39-5	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Isophorone	12	78-59-1	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
m+p-Cresols	12	1319-77-3	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Methyl methanesulfonate	12	66-27-3	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Naphthalene	12	91-20-3	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Nitrobenzene	12	98-95-3	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
n-Nitrosodimethylamine	12	62-75-9	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD	C	428	428	4	ug/kg dry	ZDR
n-Nitrosodi-n-butylamine	12	924-16-3	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
n-Nitrosodi-n-propylamine	12	621-64-7	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
n-Nitrosodiphenylamine	12	86-30-6	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
n-Nitrosopiperidine	12	100-75-4	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
o+m+p-Cresols	12	1319-77-3	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
o-Cresol	12	95-48-7	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
p-(Dimethylamino) azobenzene	12	60-11-7	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
p-Chloro-m-cresol	12	59-50-7	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Pentachloronitrobenzene (quintozene)	12	82-68-8	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Pentachlorophenol	12	87-86-5	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Phenacetin	12	62-44-2	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Phenanthrene	12	85-01-8	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Phenol	12	108-95-2	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Pronamide	12	23950-58-5	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Pyrene	12	129-00-0	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Pyridine	12	110-86-1	SW8270E	12/22/2023 08:45	12/28/2023 21:08	BLOD		428	428	4	ug/kg dry	ZDR
Surr: 2,4,6-Tribromophenol (Surr)	*12*	*39.2 %*	*15-96*	*12/22/2023 08:45*	*12/28/2023 21:08*							

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*12*		*36.3 %*	*19-105*	*12/22/2023 08:45*	*12/28/2023 21:08*						
Surr: 2-Fluorophenol (Surr)	*12*		*13.3 %*	*12-95*	*12/22/2023 08:45*	*12/28/2023 21:08*						
Surr: Nitrobenzene-d5 (Surr)	*12*		*50.6 %*	*21-100*	*12/22/2023 08:45*	*12/28/2023 21:08*						
Surr: Phenol-d5 (Surr)	*12*		*52.7 %*	*13-100*	*12/22/2023 08:45*	*12/28/2023 21:08*						
Surr: p-Terphenyl-d14 (Surr)	*12*		*37.8 %*	*25-125*	*12/22/2023 08:45*	*12/28/2023 21:08*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	12	14808-79-8	SW9056A	12/21/2023 10:00	12/21/2023 10:00	107		3.28	13.1	1	mg/kg dry	ATG

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Wet Chemistry Analysis												
Ammonia as N	12	7664-41-7	EPA350.1 R2.0	01/05/2024 15:22	01/05/2024 15:22	BLOD		12.4	12.4	1	mg/kg dry	LAM
Chromium, Hexavalent	12	18540-29-9	SW7199	01/03/2024 09:00	01/04/2024 07:58	1.17		0.26	0.26	1	mg/kg dry	MGC
Nitrate as N	12	14797-55-8	SW9056A	12/21/2023 10:00	12/21/2023 10:00	2.60	J	1.31	2.62	1	mg/kg dry	ATG
Percent Solids	12	NA	SM2540G-2011	12/22/2023 15:31	12/22/2023 15:31	76.2		0.10	0.10	1	%	KJM

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Client Sample ID: **DUP-6** **Laboratory Sample ID:** **23L1228-13**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	13	7440-22-4	SW6020B	12/27/2023 11:15	01/04/2024 13:01	80.4		2.94	2.94	1	ug/kg dry	AB
Arsenic	13	7440-38-2	SW6020B	12/27/2023 11:15	01/04/2024 13:01	1860		58.9	58.9	1	ug/kg dry	AB
Barium	13RE1	7440-39-3	SW6020B	12/27/2023 11:15	01/04/2024 14:07	53500		5890	5890	100	ug/kg dry	AB
Beryllium	13	7440-41-7	SW6020B	12/27/2023 11:15	01/04/2024 13:01	522		58.9	58.9	1	ug/kg dry	AB
Cadmium	13	7440-43-9	SW6020B	12/27/2023 11:15	01/04/2024 13:01	128		58.9	58.9	1	ug/kg dry	AB
Cobalt	13	7440-48-4	SW6020B	12/27/2023 11:15	01/04/2024 13:01	10700		58.9	58.9	1	ug/kg dry	AB
Chromium	13RE1	7440-47-3	SW6020B	12/27/2023 11:15	01/04/2024 14:07	59700		5890	5890	100	ug/kg dry	AB
Copper	13RE1	7440-50-8	SW6020B	12/27/2023 11:15	01/04/2024 14:07	46500		5890	5890	100	ug/kg dry	AB
Mercury	13	7439-97-6	SW7471B	01/08/2024 09:32	01/08/2024 13:53	0.155		0.010	0.010	1	mg/kg dry	AB
Manganese	13RE1	7439-96-5	SW6020B	12/27/2023 11:15	01/04/2024 14:07	379000		5890	5890	100	ug/kg dry	AB
Nickel	13	7440-02-0	SW6020B	12/27/2023 11:15	01/04/2024 13:01	13800		58.9	58.9	1	ug/kg dry	AB
Lead	13RE1	7439-92-1	SW6020B	12/27/2023 11:15	01/04/2024 14:07	45100		5890	5890	100	ug/kg dry	AB
Antimony	13	7440-36-0	SW6020B	12/27/2023 11:15	01/04/2024 13:01	272		58.9	58.9	1	ug/kg dry	AB
Selenium	13	7782-49-2	SW6020B	12/27/2023 11:15	01/04/2024 13:01	1930		58.9	58.9	1	ug/kg dry	AB
Thallium	13	7440-28-0	SW6020B	12/27/2023 11:15	01/04/2024 13:01	74.3		58.9	58.9	1	ug/kg dry	AB
Vanadium	13RE1	7440-62-2	SW6020B	12/27/2023 11:15	01/04/2024 14:07	108000		29400	29400	100	ug/kg dry	AB
Zinc	13RE1	7440-66-6	SW6020B	12/27/2023 11:15	01/04/2024 14:07	77500		29400	29400	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	13	630-20-6	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,1,1-Trichloroethane	13	71-55-6	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	13	79-34-5	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,1,2-Trichloroethane	13	79-00-5	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,1-Dichloroethane	13	75-34-3	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,1-Dichloroethylene	13	75-35-4	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **DUP-6** **Laboratory Sample ID:** **23L1228-13**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	13	563-58-6	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	13	87-61-6	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,2,3-Trichloropropane	13	96-18-4	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	13	120-82-1	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	13	95-63-6	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	13	96-12-8	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD	C	4.96	5.00	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	13	106-93-4	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,2-Dichlorobenzene	13	95-50-1	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,2-Dichloroethane	13	107-06-2	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,2-Dichloropropane	13	78-87-5	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	13	108-67-8	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,3-Dichlorobenzene	13	541-73-1	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,3-Dichloropropane	13	142-28-9	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
1,4-Dichlorobenzene	13	106-46-7	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
2,2-Dichloropropane	13	594-20-7	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
2-Butanone (MEK)	13	78-93-3	SW8260D	12/26/2023 17:38	12/26/2023 17:38	11.3		4.96	5.00	1	ug/kg dry	RJB
2-Chlorotoluene	13	95-49-8	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
2-Hexanone (MBK)	13	591-78-6	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
4-Chlorotoluene	13	106-43-4	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
4-Isopropyltoluene	13	99-87-6	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	13	108-10-1	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
Acetone	13	67-64-1	SW8260D	12/26/2023 17:38	12/26/2023 17:38	181		9.92	10.0	1	ug/kg dry	RJB
Benzene	13	71-43-2	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
Bromobenzene	13	108-86-1	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **DUP-6** **Laboratory Sample ID:** **23L1228-13**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	13	74-97-5	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
Bromodichloromethane	13	75-27-4	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
Bromoform	13	75-25-2	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
Bromomethane	13	74-83-9	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
Carbon disulfide	13	75-15-0	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
Carbon tetrachloride	13	56-23-5	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
Chlorobenzene	13	108-90-7	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
Chloroethane	13	75-00-3	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
Chloroform	13	67-66-3	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
Chloromethane	13	74-87-3	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	13	156-59-2	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	13	10061-01-5	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
Dibromochloromethane	13	124-48-1	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
Dibromomethane	13	74-95-3	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
Dichlorodifluoromethane	13	75-71-8	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	13	108-20-3	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
Ethylbenzene	13	100-41-4	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
Hexachlorobutadiene	13	87-68-3	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
Iodomethane	13	74-88-4	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		9.92	10.0	1	ug/kg dry	RJB
Isopropylbenzene	13	98-82-8	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
m+p-Xylenes	13	179601-23-1	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
Methylene chloride	13	75-09-2	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	13	1634-04-4	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **DUP-6** **Laboratory Sample ID:** **23L1228-13**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	13	91-20-3	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
n-Butylbenzene	13	104-51-8	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
n-Propylbenzene	13	103-65-1	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
o-Xylene	13	95-47-6	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
sec-Butylbenzene	13	135-98-8	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
Styrene	13	100-42-5	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
tert-Butylbenzene	13	98-06-6	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	13	127-18-4	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD	C	4.96	5.00	1	ug/kg dry	RJB
Toluene	13	108-88-3	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	13	156-60-5	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	13	10061-02-6	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
Trichloroethylene	13	79-01-6	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
Trichlorofluoromethane	13	75-69-4	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
Vinyl acetate	13	108-05-4	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	10.0	1	ug/kg dry	RJB
Vinyl chloride	13	75-01-4	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		4.96	5.00	1	ug/kg dry	RJB
Xylenes, Total	13	1330-20-7	SW8260D	12/26/2023 17:38	12/26/2023 17:38	BLOD		14.9	15.0	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*13*	*122 %*	*80-120*	*12/26/2023 17:38*	*12/26/2023 17:38*							*S*
Surr: 4-Bromofluorobenzene (Surr)	*13*	*108 %*	*85-120*	*12/26/2023 17:38*	*12/26/2023 17:38*							
Surr: Dibromofluoromethane (Surr)	*13*	*118 %*	*80-130*	*12/26/2023 17:38*	*12/26/2023 17:38*							
Surr: Toluene-d8 (Surr)	*13*	*105 %*	*85-115*	*12/26/2023 17:38*	*12/26/2023 17:38*							

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Client Sample ID: **DUP-6** **Laboratory Sample ID:** **23L1228-13**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	13	123-91-1	SW8270E SIM	12/22/2023 08:45	12/23/2023 00:49	BLOD		4.01	4.01	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*13*	*68.6 %*	*35-100*	*12/22/2023 08:45*	*12/23/2023 00:49*							
1,2,4,5-Tetrachlorobenzene	13	95-94-3	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
1,2,4-Trichlorobenzene	13	120-82-1	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
1,2-Dichlorobenzene	13	95-50-1	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
1,2-Diphenylhydrazine	13	122-66-7	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
1,3-Dichlorobenzene	13	541-73-1	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
1,3-Dinitrobenzene	13	99-65-0	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
1,4-Dichlorobenzene	13	106-46-7	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
1-Chloronaphthalene	13	90-13-1	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
1-Naphthylamine	13	134-32-7	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
2,3,4,6-Tetrachlorophenol	13	58-90-2	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
2,4,5-Trichlorophenol	13	95-95-4	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
2,4,6-Trichlorophenol	13	88-06-2	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
2,4-Dichlorophenol	13	120-83-2	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
2,4-Dimethylphenol	13	105-67-9	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
2,4-Dinitrophenol	13	51-28-5	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
2,4-Dinitrotoluene	13	121-14-2	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
2,6-Dichlorophenol	13	87-65-0	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
2,6-Dinitrotoluene	13	606-20-2	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
2-Chloronaphthalene	13	91-58-7	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
2-Chlorophenol	13	95-57-8	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
2-Methylnaphthalene	13	91-57-6	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR

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Client Sample ID: DUP-6 **Laboratory Sample ID:** 23L1228-13

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	13	91-59-8	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
2-Nitroaniline	13	88-74-4	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
2-Nitrophenol	13	88-75-5	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
3,3'-Dichlorobenzidine	13	91-94-1	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
3-Methylcholanthrene	13	56-49-5	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
3-Nitroaniline	13	99-09-2	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
4,6-Dinitro-2-methylphenol	13	534-52-1	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
4-Aminobiphenyl	13	92-67-1	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
4-Bromophenyl phenyl ether	13	101-55-3	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
4-Chloroaniline	13	106-47-8	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
4-Chlorophenyl phenyl ether	13	7005-72-3	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
4-Nitroaniline	13	100-01-6	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
4-Nitrophenol	13	100-02-7	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
7,12-Dimethylbenz (a) anthracene	13	57-97-6	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Acenaphthene	13	83-32-9	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Acenaphthylene	13	208-96-8	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Acetophenone	13	98-86-2	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Aniline	13	62-53-3	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Anthracene	13	120-12-7	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Benzidine	13	92-87-5	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Benzo (a) anthracene	13	56-55-3	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Benzo (a) pyrene	13	50-32-8	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Benzo (b) fluoranthene	13	205-99-2	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Benzo (g,h,i) perylene	13	191-24-2	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: DUP-6 **Laboratory Sample ID:** 23L1228-13

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	13	207-08-9	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Benzoic acid	13	65-85-0	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Benzyl alcohol	13	100-51-6	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
bis (2-Chloroethoxy) methane	13	111-91-1	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
bis (2-Chloroethyl) ether	13	111-44-4	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
2,2'-Oxybis (1-chloropropane)	13	108-60-1	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
bis (2-Ethylhexyl) phthalate	13	117-81-7	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Butyl benzyl phthalate	13	85-68-7	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Chrysene	13	218-01-9	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Dibenz (a,h) anthracene	13	53-70-3	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Dibenz (a,j) acridine	13	224-42-0	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Dibenzofuran	13	132-64-9	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Diethyl phthalate	13	84-66-2	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Dimethyl phthalate	13	131-11-3	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Di-n-butyl phthalate	13	84-74-2	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Di-n-octyl phthalate	13	117-84-0	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Diphenylamine	13	122-39-4	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Ethyl methanesulfonate	13	62-50-0	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Fluoranthene	13	206-44-0	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Fluorene	13	86-73-7	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Hexachlorobenzene	13	118-74-1	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Hexachlorobutadiene	13	87-68-3	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Hexachlorocyclopentadiene	13	77-47-4	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Hexachloroethane	13	67-72-1	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **DUP-6** **Laboratory Sample ID:** **23L1228-13**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	13	193-39-5	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Isophorone	13	78-59-1	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
m+p-Cresols	13	1319-77-3	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Methyl methanesulfonate	13	66-27-3	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Naphthalene	13	91-20-3	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Nitrobenzene	13	98-95-3	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
n-Nitrosodimethylamine	13	62-75-9	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD	C	401	401	4	ug/kg dry	ZDR
n-Nitrosodi-n-butylamine	13	924-16-3	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
n-Nitrosodi-n-propylamine	13	621-64-7	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
n-Nitrosodiphenylamine	13	86-30-6	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
n-Nitrosopiperidine	13	100-75-4	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
o+m+p-Cresols	13	1319-77-3	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
o-Cresol	13	95-48-7	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
p-(Dimethylamino) azobenzene	13	60-11-7	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
p-Chloro-m-cresol	13	59-50-7	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Pentachloronitrobenzene (quintozene)	13	82-68-8	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Pentachlorophenol	13	87-86-5	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Phenacetin	13	62-44-2	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Phenanthrene	13	85-01-8	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Phenol	13	108-95-2	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Pronamide	13	23950-58-5	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Pyrene	13	129-00-0	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Pyridine	13	110-86-1	SW8270E	12/22/2023 08:45	12/28/2023 21:38	BLOD		401	401	4	ug/kg dry	ZDR
Surr: 2,4,6-Tribromophenol (Surr)	*13*	*42.9 %*	*15-96*	*12/22/2023 08:45*	*12/28/2023 21:38*							

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Client Sample ID: **DUP-6** **Laboratory Sample ID:** **23L1228-13**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*13*		*41.6 %*	*19-105*	*12/22/2023 08:45*	*12/28/2023 21:38*						
Surr: 2-Fluorophenol (Surr)	*13*		*18.9 %*	*12-95*	*12/22/2023 08:45*	*12/28/2023 21:38*						
Surr: Nitrobenzene-d5 (Surr)	*13*		*49.4 %*	*21-100*	*12/22/2023 08:45*	*12/28/2023 21:38*						
Surr: Phenol-d5 (Surr)	*13*		*51.3 %*	*13-100*	*12/22/2023 08:45*	*12/28/2023 21:38*						
Surr: p-Terphenyl-d14 (Surr)	*13*		*42.4 %*	*25-125*	*12/22/2023 08:45*	*12/28/2023 21:38*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	13	14808-79-8	SW9056A	12/21/2023 10:00	12/21/2023 10:00	31.1		3.08	12.3	1	mg/kg dry	ATG

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Client Sample ID: **DUP-6** **Laboratory Sample ID:** **23L1228-13**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	13	7664-41-7	EPA350.1 R2.0	01/05/2024 15:22	01/05/2024 15:22	BLOD		12.0	12.0	1	mg/kg dry	LAM
Chromium, Hexavalent	13	18540-29-9	SW7199	01/03/2024 09:00	01/04/2024 08:25	0.81		0.25	0.25	1	mg/kg dry	MGC
Nitrate as N	13	14797-55-8	SW9056A	12/21/2023 10:00	12/21/2023 10:00	2.12	J	1.23	2.46	1	mg/kg dry	ATG
Percent Solids	13	NA	SM2540G-2011	12/22/2023 15:31	12/22/2023 15:31	81.2		0.10	0.10	1	%	KJM

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Client Sample ID: **Trip Blank** **Laboratory Sample ID:** **23L1228-14**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	14	630-20-6	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.40	0.40	1	ug/L	RJB
1,1,1-Trichloroethane	14	71-55-6	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.60	1.00	1	ug/L	RJB
1,1,2,2-Tetrachloroethane	14	79-34-5	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.30	0.40	1	ug/L	RJB
1,1,2-Trichloroethane	14	79-00-5	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.50	1.00	1	ug/L	RJB
1,1-Dichloroethane	14	75-34-3	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.60	1.00	1	ug/L	RJB
1,1-Dichloroethylene	14	75-35-4	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.70	1.00	1	ug/L	RJB
1,1-Dichloropropene	14	563-58-6	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.60	1.00	1	ug/L	RJB
1,2,3-Trichlorobenzene	14	87-61-6	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.70	1.00	1	ug/L	RJB
1,2,3-Trichloropropane	14	96-18-4	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.40	1.00	1	ug/L	RJB
1,2,4-Trichlorobenzene	14	120-82-1	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.50	1.00	1	ug/L	RJB
1,2,4-Trimethylbenzene	14	95-63-6	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.40	1.00	1	ug/L	RJB
1,2-Dibromo-3-chloropropane (DBCP)	14	96-12-8	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.60	1.00	1	ug/L	RJB
1,2-Dibromoethane (EDB)	14	106-93-4	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.40	1.00	1	ug/L	RJB
1,2-Dichlorobenzene	14	95-50-1	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.40	0.50	1	ug/L	RJB
1,2-Dichloroethane	14	107-06-2	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.70	1.00	1	ug/L	RJB
1,2-Dichloropropane	14	78-87-5	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.40	0.50	1	ug/L	RJB
1,3,5-Trimethylbenzene	14	108-67-8	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.90	1.00	1	ug/L	RJB
1,3-Dichlorobenzene	14	541-73-1	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.30	1.00	1	ug/L	RJB
1,3-Dichloropropane	14	142-28-9	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		1.00	1.00	1	ug/L	RJB
1,4-Dichlorobenzene	14	106-46-7	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.40	1.00	1	ug/L	RJB
2,2-Dichloropropane	14	594-20-7	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.60	1.00	1	ug/L	RJB
2-Butanone (MEK)	14	78-93-3	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		3.00	10.0	1	ug/L	RJB
2-Chlorotoluene	14	95-49-8	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.50	1.00	1	ug/L	RJB
2-Hexanone (MBK)	14	591-78-6	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		2.20	5.00	1	ug/L	RJB

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Client Sample ID: **Trip Blank** **Laboratory Sample ID:** **23L1228-14**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
4-Chlorotoluene	14	106-43-4	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.50	1.00	1	ug/L	RJB
4-Isopropyltoluene	14	99-87-6	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.40	1.00	1	ug/L	RJB
4-Methyl-2-pentanone (MIBK)	14	108-10-1	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		1.50	5.00	1	ug/L	RJB
Acetone	14	67-64-1	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		7.00	10.0	1	ug/L	RJB
Benzene	14	71-43-2	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.40	1.00	1	ug/L	RJB
Bromobenzene	14	108-86-1	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.50	1.00	1	ug/L	RJB
Bromochloromethane	14	74-97-5	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.50	1.00	1	ug/L	RJB
Bromodichloromethane	14	75-27-4	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.40	0.50	1	ug/L	RJB
Bromoform	14	75-25-2	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.40	1.00	1	ug/L	RJB
Bromomethane	14	74-83-9	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.80	1.00	1	ug/L	RJB
Carbon disulfide	14	75-15-0	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		5.00	10.0	1	ug/L	RJB
Carbon tetrachloride	14	56-23-5	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.50	1.00	1	ug/L	RJB
Chlorobenzene	14	108-90-7	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.40	1.00	1	ug/L	RJB
Chloroethane	14	75-00-3	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.70	1.00	1	ug/L	RJB
Chloroform	14	67-66-3	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.50	0.50	1	ug/L	RJB
Chloromethane	14	74-87-3	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.95	1.00	1	ug/L	RJB
cis-1,2-Dichloroethylene	14	156-59-2	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.40	1.00	1	ug/L	RJB
cis-1,3-Dichloropropene	14	10061-01-5	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.30	1.00	1	ug/L	RJB
Dibromochloromethane	14	124-48-1	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.35	0.50	1	ug/L	RJB
Dibromomethane	14	74-95-3	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.40	1.00	1	ug/L	RJB
Dichlorodifluoromethane	14	75-71-8	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.95	1.00	1	ug/L	RJB
Di-isopropyl ether (DIPE)	14	108-20-3	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		3.00	5.00	1	ug/L	RJB
Ethylbenzene	14	100-41-4	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.40	1.00	1	ug/L	RJB
Hexachlorobutadiene	14	87-68-3	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.60	0.80	1	ug/L	RJB

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Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **Trip Blank** **Laboratory Sample ID:** **23L1228-14**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Iodomethane	14	74-88-4	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		6.00	10.0	1	ug/L	RJB
Isopropylbenzene	14	98-82-8	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.50	1.00	1	ug/L	RJB
m+p-Xylenes	14	179601-23-1	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.60	2.00	1	ug/L	RJB
Methylene chloride	14	75-09-2	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		4.00	4.00	1	ug/L	RJB
Methyl-t-butyl ether (MTBE)	14	1634-04-4	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.60	1.00	1	ug/L	RJB
Naphthalene	14	91-20-3	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.80	1.00	1	ug/L	RJB
n-Butylbenzene	14	104-51-8	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.40	1.00	1	ug/L	RJB
n-Propylbenzene	14	103-65-1	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.40	1.00	1	ug/L	RJB
o-Xylene	14	95-47-6	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.40	1.00	1	ug/L	RJB
sec-Butylbenzene	14	135-98-8	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.40	1.00	1	ug/L	RJB
Styrene	14	100-42-5	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.40	1.00	1	ug/L	RJB
tert-Butylbenzene	14	98-06-6	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.40	1.00	1	ug/L	RJB
Tetrachloroethylene (PCE)	14	127-18-4	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.40	1.00	1	ug/L	RJB
Toluene	14	108-88-3	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.50	1.00	1	ug/L	RJB
trans-1,2-Dichloroethylene	14	156-60-5	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.60	1.00	1	ug/L	RJB
trans-1,3-Dichloropropene	14	10061-02-6	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.30	1.00	1	ug/L	RJB
Trichloroethylene	14	79-01-6	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.40	1.00	1	ug/L	RJB
Trichlorofluoromethane	14	75-69-4	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.80	1.00	1	ug/L	RJB
Vinyl acetate	14	108-05-4	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		2.00	10.0	1	ug/L	RJB
Vinyl chloride	14	75-01-4	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		0.50	0.50	1	ug/L	RJB
Xylenes, Total	14	1330-20-7	SW8260D	12/21/2023 13:27	12/21/2023 13:27	BLOD		1.00	3.00	1	ug/L	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*14*		*103 %*	*70-120*	*12/21/2023 13:27*	*12/21/2023 13:27*						
Surr: 4-Bromofluorobenzene (Surr)	*14*		*108 %*	*75-120*	*12/21/2023 13:27*	*12/21/2023 13:27*						
Surr: Dibromofluoromethane (Surr)	*14*		*104 %*	*70-130*	*12/21/2023 13:27*	*12/21/2023 13:27*						

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **Trip Blank** **Laboratory Sample ID:** **23L1228-14**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Surr: Toluene-d8 (Surr)	*14*		*70-130*	*12/21/2023 13:27*	*12/21/2023 13:27*	*103 %*						

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-1-6"** **Laboratory Sample ID:** **23L1295-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	01	7440-22-4	SW6020B	12/27/2023 11:15	01/05/2024 12:07	88.5		3.01	3.01	1	ug/kg dry	AB
Arsenic	01	7440-38-2	SW6020B	12/27/2023 11:15	01/05/2024 12:07	4760		60.2	60.2	1	ug/kg dry	AB
Barium	01RE1	7440-39-3	SW6020B	12/27/2023 11:15	01/05/2024 13:27	102000		60200	60200	100	ug/kg dry	AB
Beryllium	01	7440-41-7	SW6020B	12/27/2023 11:15	01/05/2024 12:07	589		60.2	60.2	1	ug/kg dry	AB
Cadmium	01	7440-43-9	SW6020B	12/27/2023 11:15	01/05/2024 12:07	207		60.2	60.2	1	ug/kg dry	AB
Cobalt	01	7440-48-4	SW6020B	12/27/2023 11:15	01/05/2024 12:07	15900		60.2	60.2	1	ug/kg dry	AB
Chromium	01RE1	7440-47-3	SW6020B	12/27/2023 11:15	01/05/2024 13:27	34900		6020	6020	100	ug/kg dry	AB
Copper	01RE1	7440-50-8	SW6020B	12/27/2023 11:15	01/05/2024 13:27	71400		6020	6020	100	ug/kg dry	AB
Mercury	01RE1	7439-97-6	SW7471B	01/05/2024 10:13	01/05/2024 15:08	0.430		0.046	0.046	5	mg/kg dry	ACM
Manganese	01RE1	7439-96-5	SW6020B	12/27/2023 11:15	01/05/2024 13:27	518000		6020	6020	100	ug/kg dry	AB
Nickel	01	7440-02-0	SW6020B	12/27/2023 11:15	01/05/2024 12:07	11900		60.2	60.2	1	ug/kg dry	AB
Lead	01RE1	7439-92-1	SW6020B	12/27/2023 11:15	01/05/2024 13:27	68400		6020	6020	100	ug/kg dry	AB
Antimony	01	7440-36-0	SW6020B	12/27/2023 11:15	01/05/2024 12:07	187		60.2	60.2	1	ug/kg dry	AB
Selenium	01	7782-49-2	SW6020B	12/27/2023 11:15	01/05/2024 12:07	2540		60.2	60.2	1	ug/kg dry	AB
Thallium	01	7440-28-0	SW6020B	12/27/2023 11:15	01/05/2024 12:07	118		60.2	60.2	1	ug/kg dry	AB
Vanadium	01RE1	7440-62-2	SW6020B	12/27/2023 11:15	01/05/2024 13:27	93100		30100	30100	100	ug/kg dry	AB
Zinc	01RE1	7440-66-6	SW6020B	12/27/2023 11:15	01/05/2024 13:27	103000		30100	30100	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	01	630-20-6	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
1,1,1-Trichloroethane	01	71-55-6	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	01	79-34-5	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
1,1,2-Trichloroethane	01	79-00-5	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
1,1-Dichloroethane	01	75-34-3	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
1,1-Dichloroethylene	01	75-35-4	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-1-6"** **Laboratory Sample ID:** **23L1295-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	01	563-58-6	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	01	87-61-6	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
1,2,3-Trichloropropane	01	96-18-4	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	01	120-82-1	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	01	95-63-6	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	01	96-12-8	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	01	106-93-4	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
1,2-Dichlorobenzene	01	95-50-1	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
1,2-Dichloroethane	01	107-06-2	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
1,2-Dichloropropane	01	78-87-5	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	01	108-67-8	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
1,3-Dichlorobenzene	01	541-73-1	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
1,3-Dichloropropane	01	142-28-9	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
1,4-Dichlorobenzene	01	106-46-7	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
2,2-Dichloropropane	01	594-20-7	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
2-Butanone (MEK)	01	78-93-3	SW8260D	12/22/2023 11:46	12/22/2023 11:46	5.31		5.28	5.28	1	ug/kg dry	RJB
2-Chlorotoluene	01	95-49-8	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
2-Hexanone (MBK)	01	591-78-6	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
4-Chlorotoluene	01	106-43-4	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
4-Isopropyltoluene	01	99-87-6	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	01	108-10-1	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
Acetone	01	67-64-1	SW8260D	12/22/2023 11:46	12/22/2023 11:46	83.3		10.6	10.6	1	ug/kg dry	RJB
Benzene	01	71-43-2	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
Bromobenzene	01	108-86-1	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB

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Client Sample ID: **BG-1-6"** **Laboratory Sample ID:** **23L1295-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	01	74-97-5	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
Bromodichloromethane	01	75-27-4	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
Bromoform	01	75-25-2	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
Bromomethane	01	74-83-9	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
Carbon disulfide	01	75-15-0	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
Carbon tetrachloride	01	56-23-5	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
Chlorobenzene	01	108-90-7	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
Chloroethane	01	75-00-3	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
Chloroform	01	67-66-3	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
Chloromethane	01	74-87-3	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	01	156-59-2	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	01	10061-01-5	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
Dibromochloromethane	01	124-48-1	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
Dibromomethane	01	74-95-3	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
Dichlorodifluoromethane	01	75-71-8	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	01	108-20-3	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
Ethylbenzene	01	100-41-4	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
Hexachlorobutadiene	01	87-68-3	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
Iodomethane	01	74-88-4	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		10.6	10.6	1	ug/kg dry	RJB
Isopropylbenzene	01	98-82-8	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
m+p-Xylenes	01	179601-23-1	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
Methylene chloride	01	75-09-2	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	01	1634-04-4	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB

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Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-1-6"** **Laboratory Sample ID:** **23L1295-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	01	91-20-3	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
n-Butylbenzene	01	104-51-8	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
n-Propylbenzene	01	103-65-1	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
o-Xylene	01	95-47-6	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
sec-Butylbenzene	01	135-98-8	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
Styrene	01	100-42-5	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
tert-Butylbenzene	01	98-06-6	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	01	127-18-4	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
Toluene	01	108-88-3	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	01	156-60-5	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	01	10061-02-6	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
Trichloroethylene	01	79-01-6	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
Trichlorofluoromethane	01	75-69-4	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
Vinyl acetate	01	108-05-4	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	10.6	1	ug/kg dry	RJB
Vinyl chloride	01	75-01-4	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		5.28	5.28	1	ug/kg dry	RJB
Xylenes, Total	01	1330-20-7	SW8260D	12/22/2023 11:46	12/22/2023 11:46	BLOD		15.8	15.8	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*01*		*107 %*	*80-120*	*12/22/2023 11:46*	*12/22/2023 11:46*						
Surr: 4-Bromofluorobenzene (Surr)	*01*		*94.8 %*	*85-120*	*12/22/2023 11:46*	*12/22/2023 11:46*						
Surr: Dibromofluoromethane (Surr)	*01*		*104 %*	*80-130*	*12/22/2023 11:46*	*12/22/2023 11:46*						
Surr: Toluene-d8 (Surr)	*01*		*100 %*	*85-115*	*12/22/2023 11:46*	*12/22/2023 11:46*						

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Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-1-6"** **Laboratory Sample ID:** **23L1295-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	01	123-91-1	SW8270E SIM	12/22/2023 08:45	12/23/2023 01:15	BLOD		7.89	7.89	2	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*01*	*69.4 %*	*35-100*	*12/22/2023 08:45*	*12/23/2023 01:15*							
1,2,4,5-Tetrachlorobenzene	01	95-94-3	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
1,2,4-Trichlorobenzene	01	120-82-1	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
1,2-Dichlorobenzene	01	95-50-1	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
1,2-Diphenylhydrazine	01	122-66-7	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
1,3-Dichlorobenzene	01	541-73-1	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
1,3-Dinitrobenzene	01	99-65-0	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
1,4-Dichlorobenzene	01	106-46-7	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
1-Chloronaphthalene	01	90-13-1	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
1-Naphthylamine	01	134-32-7	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
2,3,4,6-Tetrachlorophenol	01	58-90-2	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
2,4,5-Trichlorophenol	01	95-95-4	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
2,4,6-Trichlorophenol	01	88-06-2	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
2,4-Dichlorophenol	01	120-83-2	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
2,4-Dimethylphenol	01	105-67-9	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
2,4-Dinitrophenol	01	51-28-5	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
2,4-Dinitrotoluene	01	121-14-2	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
2,6-Dichlorophenol	01	87-65-0	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
2,6-Dinitrotoluene	01	606-20-2	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
2-Chloronaphthalene	01	91-58-7	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
2-Chlorophenol	01	95-57-8	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
2-Methylnaphthalene	01	91-57-6	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR

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Client Sample ID: **BG-1-6"** **Laboratory Sample ID:** **23L1295-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	01	91-59-8	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
2-Nitroaniline	01	88-74-4	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
2-Nitrophenol	01	88-75-5	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
3,3'-Dichlorobenzidine	01	91-94-1	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
3-Methylcholanthrene	01	56-49-5	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
3-Nitroaniline	01	99-09-2	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
4,6-Dinitro-2-methylphenol	01	534-52-1	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
4-Aminobiphenyl	01	92-67-1	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
4-Bromophenyl phenyl ether	01	101-55-3	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
4-Chloroaniline	01	106-47-8	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
4-Chlorophenyl phenyl ether	01	7005-72-3	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
4-Nitroaniline	01	100-01-6	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
4-Nitrophenol	01	100-02-7	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
7,12-Dimethylbenz (a) anthracene	01	57-97-6	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Acenaphthene	01	83-32-9	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Acenaphthylene	01	208-96-8	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Acetophenone	01	98-86-2	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Aniline	01	62-53-3	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Anthracene	01	120-12-7	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Benzidine	01	92-87-5	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Benzo (a) anthracene	01	56-55-3	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Benzo (a) pyrene	01	50-32-8	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Benzo (b) fluoranthene	01	205-99-2	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Benzo (g,h,i) perylene	01	191-24-2	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR

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Client Sample ID: **BG-1-6"** **Laboratory Sample ID:** **23L1295-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	01	207-08-9	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Benzoic acid	01	65-85-0	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Benzyl alcohol	01	100-51-6	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
bis (2-Chloroethoxy) methane	01	111-91-1	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
bis (2-Chloroethyl) ether	01	111-44-4	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
2,2'-Oxybis (1-chloropropane)	01	108-60-1	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
bis (2-Ethylhexyl) phthalate	01	117-81-7	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Butyl benzyl phthalate	01	85-68-7	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Chrysene	01	218-01-9	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Dibenz (a,h) anthracene	01	53-70-3	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Dibenz (a,j) acridine	01	224-42-0	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Dibenzofuran	01	132-64-9	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Diethyl phthalate	01	84-66-2	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Dimethyl phthalate	01	131-11-3	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Di-n-butyl phthalate	01	84-74-2	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Di-n-octyl phthalate	01	117-84-0	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Diphenylamine	01	122-39-4	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Ethyl methanesulfonate	01	62-50-0	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Fluoranthene	01	206-44-0	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Fluorene	01	86-73-7	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Hexachlorobenzene	01	118-74-1	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Hexachlorobutadiene	01	87-68-3	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Hexachlorocyclopentadiene	01	77-47-4	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Hexachloroethane	01	67-72-1	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	01	193-39-5	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Isophorone	01	78-59-1	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
m+p-Cresols	01	1319-77-3	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Methyl methanesulfonate	01	66-27-3	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Naphthalene	01	91-20-3	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Nitrobenzene	01	98-95-3	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
n-Nitrosodimethylamine	01	62-75-9	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD	C	395	395	4	ug/kg dry	ZDR
n-Nitrosodi-n-butylamine	01	924-16-3	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
n-Nitrosodi-n-propylamine	01	621-64-7	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
n-Nitrosodiphenylamine	01	86-30-6	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
n-Nitrosopiperidine	01	100-75-4	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
o+m+p-Cresols	01	1319-77-3	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
o-Cresol	01	95-48-7	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
p-(Dimethylamino) azobenzene	01	60-11-7	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
p-Chloro-m-cresol	01	59-50-7	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Pentachloronitrobenzene (quintozene)	01	82-68-8	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Pentachlorophenol	01	87-86-5	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Phenacetin	01	62-44-2	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Phenanthrene	01	85-01-8	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Phenol	01	108-95-2	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Pronamide	01	23950-58-5	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Pyrene	01	129-00-0	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Pyridine	01	110-86-1	SW8270E	12/22/2023 08:45	12/28/2023 22:08	BLOD		395	395	4	ug/kg dry	ZDR
Surr: 2,4,6-Tribromophenol (Surr)	*01*	*43.4 %*	*15-96*	*12/22/2023 08:45*	*12/28/2023 22:08*							

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Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*01*		*46.6 %*	*19-105*	*12/22/2023 08:45*	*12/28/2023 22:08*						
Surr: 2-Fluorophenol (Surr)	*01*		*16.1 %*	*12-95*	*12/22/2023 08:45*	*12/28/2023 22:08*						
Surr: Nitrobenzene-d5 (Surr)	*01*		*53.7 %*	*21-100*	*12/22/2023 08:45*	*12/28/2023 22:08*						
Surr: Phenol-d5 (Surr)	*01*		*55.4 %*	*13-100*	*12/22/2023 08:45*	*12/28/2023 22:08*						
Surr: p-Terphenyl-d14 (Surr)	*01*		*49.6 %*	*25-125*	*12/22/2023 08:45*	*12/28/2023 22:08*						

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Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-1-6"** **Laboratory Sample ID:** **23L1295-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	01	14808-79-8	SW9056A	12/21/2023 10:00	12/21/2023 10:00	17.6		3.03	12.1	1	mg/kg dry	ATG

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Client Sample ID: **BG-1-6"** **Laboratory Sample ID:** **23L1295-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	01	7664-41-7	EPA350.1 R2.0	01/05/2024 15:22	01/05/2024 15:22	BLOD		12.0	12.0	1	mg/kg dry	LAM
Chromium, Hexavalent	01	18540-29-9	SW7199	01/03/2024 09:00	01/04/2024 08:52	0.87		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	01	14797-55-8	SW9056A	12/21/2023 10:00	12/21/2023 10:00	BLOD		1.21	2.42	1	mg/kg dry	ATG
Percent Solids	01	NA	SM2540G-2011	12/26/2023 16:15	12/26/2023 16:15	82.5		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-1-12"** **Laboratory Sample ID:** **23L1295-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	02	7440-22-4	SW6020B	12/27/2023 11:15	01/05/2024 12:18	158		2.91	2.91	1	ug/kg dry	AB
Arsenic	02	7440-38-2	SW6020B	12/27/2023 11:15	01/05/2024 12:18	3700		58.2	58.2	1	ug/kg dry	AB
Barium	02RE1	7440-39-3	SW6020B	12/27/2023 11:15	01/05/2024 13:37	137000		58200	58200	100	ug/kg dry	AB
Beryllium	02	7440-41-7	SW6020B	12/27/2023 11:15	01/05/2024 12:18	723		58.2	58.2	1	ug/kg dry	AB
Cadmium	02	7440-43-9	SW6020B	12/27/2023 11:15	01/05/2024 12:18	457		58.2	58.2	1	ug/kg dry	AB
Cobalt	02	7440-48-4	SW6020B	12/27/2023 11:15	01/05/2024 12:18	16600		58.2	58.2	1	ug/kg dry	AB
Chromium	02RE1	7440-47-3	SW6020B	12/27/2023 11:15	01/05/2024 13:37	43900		5820	5820	100	ug/kg dry	AB
Copper	02RE1	7440-50-8	SW6020B	12/27/2023 11:15	01/05/2024 13:37	66300		5820	5820	100	ug/kg dry	AB
Mercury	02	7439-97-6	SW7471B	01/05/2024 10:13	01/05/2024 14:08	0.069		0.009	0.009	1	mg/kg dry	ACM
Manganese	02RE1	7439-96-5	SW6020B	12/27/2023 11:15	01/05/2024 13:37	439000		5820	5820	100	ug/kg dry	AB
Nickel	02	7440-02-0	SW6020B	12/27/2023 11:15	01/05/2024 12:18	14300		58.2	58.2	1	ug/kg dry	AB
Lead	02RE1	7439-92-1	SW6020B	12/27/2023 11:15	01/05/2024 13:37	162000		5820	5820	100	ug/kg dry	AB
Antimony	02	7440-36-0	SW6020B	12/27/2023 11:15	01/05/2024 12:18	198		58.2	58.2	1	ug/kg dry	AB
Selenium	02	7782-49-2	SW6020B	12/27/2023 11:15	01/05/2024 12:18	3050		58.2	58.2	1	ug/kg dry	AB
Thallium	02	7440-28-0	SW6020B	12/27/2023 11:15	01/05/2024 12:18	108		58.2	58.2	1	ug/kg dry	AB
Vanadium	02RE1	7440-62-2	SW6020B	12/27/2023 11:15	01/05/2024 13:37	119000		29100	29100	100	ug/kg dry	AB
Zinc	02RE1	7440-66-6	SW6020B	12/27/2023 11:15	01/05/2024 13:37	129000		29100	29100	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	02	630-20-6	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
1,1,1-Trichloroethane	02	71-55-6	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	02	79-34-5	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
1,1,2-Trichloroethane	02	79-00-5	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
1,1-Dichloroethane	02	75-34-3	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
1,1-Dichloroethylene	02	75-35-4	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-1-12"** **Laboratory Sample ID:** **23L1295-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	02	563-58-6	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	02	87-61-6	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
1,2,3-Trichloropropane	02	96-18-4	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	02	120-82-1	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	02	95-63-6	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	02	96-12-8	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	02	106-93-4	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
1,2-Dichlorobenzene	02	95-50-1	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
1,2-Dichloroethane	02	107-06-2	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
1,2-Dichloropropane	02	78-87-5	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	02	108-67-8	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
1,3-Dichlorobenzene	02	541-73-1	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
1,3-Dichloropropane	02	142-28-9	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
1,4-Dichlorobenzene	02	106-46-7	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
2,2-Dichloropropane	02	594-20-7	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
2-Butanone (MEK)	02	78-93-3	SW8260D	12/22/2023 12:10	12/22/2023 12:10	7.63		5.68	5.68	1	ug/kg dry	RJB
2-Chlorotoluene	02	95-49-8	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
2-Hexanone (MBK)	02	591-78-6	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
4-Chlorotoluene	02	106-43-4	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
4-Isopropyltoluene	02	99-87-6	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	02	108-10-1	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
Acetone	02	67-64-1	SW8260D	12/22/2023 12:10	12/22/2023 12:10	110		11.4	11.4	1	ug/kg dry	RJB
Benzene	02	71-43-2	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
Bromobenzene	02	108-86-1	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-1-12"** **Laboratory Sample ID:** **23L1295-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	02	74-97-5	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
Bromodichloromethane	02	75-27-4	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
Bromoform	02	75-25-2	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
Bromomethane	02	74-83-9	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
Carbon disulfide	02	75-15-0	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
Carbon tetrachloride	02	56-23-5	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
Chlorobenzene	02	108-90-7	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
Chloroethane	02	75-00-3	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
Chloroform	02	67-66-3	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
Chloromethane	02	74-87-3	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	02	156-59-2	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	02	10061-01-5	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
Dibromochloromethane	02	124-48-1	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
Dibromomethane	02	74-95-3	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
Dichlorodifluoromethane	02	75-71-8	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	02	108-20-3	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
Ethylbenzene	02	100-41-4	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
Hexachlorobutadiene	02	87-68-3	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
Iodomethane	02	74-88-4	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		11.4	11.4	1	ug/kg dry	RJB
Isopropylbenzene	02	98-82-8	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
m+p-Xylenes	02	179601-23-1	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
Methylene chloride	02	75-09-2	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	02	1634-04-4	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-1-12"** **Laboratory Sample ID:** **23L1295-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	02	91-20-3	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
n-Butylbenzene	02	104-51-8	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
n-Propylbenzene	02	103-65-1	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
o-Xylene	02	95-47-6	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
sec-Butylbenzene	02	135-98-8	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
Styrene	02	100-42-5	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
tert-Butylbenzene	02	98-06-6	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	02	127-18-4	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
Toluene	02	108-88-3	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	02	156-60-5	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	02	10061-02-6	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
Trichloroethylene	02	79-01-6	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
Trichlorofluoromethane	02	75-69-4	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
Vinyl acetate	02	108-05-4	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	11.4	1	ug/kg dry	RJB
Vinyl chloride	02	75-01-4	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		5.68	5.68	1	ug/kg dry	RJB
Xylenes, Total	02	1330-20-7	SW8260D	12/22/2023 12:10	12/22/2023 12:10	BLOD		17.1	17.1	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*02*		*109 %*	*80-120*	*12/22/2023 12:10*	*12/22/2023 12:10*						
Surr: 4-Bromofluorobenzene (Surr)	*02*		*88.4 %*	*85-120*	*12/22/2023 12:10*	*12/22/2023 12:10*						
Surr: Dibromofluoromethane (Surr)	*02*		*103 %*	*80-130*	*12/22/2023 12:10*	*12/22/2023 12:10*						
Surr: Toluene-d8 (Surr)	*02*		*101 %*	*85-115*	*12/22/2023 12:10*	*12/22/2023 12:10*						

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Client Sample ID: **BG-1-12"** **Laboratory Sample ID:** **23L1295-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	02	123-91-1	SW8270E SIM	12/22/2023 08:45	12/23/2023 01:41	BLOD		7.91	7.91	2	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*02*	*76.6 %*	*35-100*	*12/22/2023 08:45*	*12/23/2023 01:41*							
1,2,4,5-Tetrachlorobenzene	02	95-94-3	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
1,2,4-Trichlorobenzene	02	120-82-1	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
1,2-Dichlorobenzene	02	95-50-1	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
1,2-Diphenylhydrazine	02	122-66-7	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
1,3-Dichlorobenzene	02	541-73-1	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
1,3-Dinitrobenzene	02	99-65-0	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
1,4-Dichlorobenzene	02	106-46-7	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
1-Chloronaphthalene	02	90-13-1	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
1-Naphthylamine	02	134-32-7	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
2,3,4,6-Tetrachlorophenol	02	58-90-2	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
2,4,5-Trichlorophenol	02	95-95-4	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
2,4,6-Trichlorophenol	02	88-06-2	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
2,4-Dichlorophenol	02	120-83-2	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
2,4-Dimethylphenol	02	105-67-9	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
2,4-Dinitrophenol	02	51-28-5	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
2,4-Dinitrotoluene	02	121-14-2	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
2,6-Dichlorophenol	02	87-65-0	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
2,6-Dinitrotoluene	02	606-20-2	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
2-Chloronaphthalene	02	91-58-7	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
2-Chlorophenol	02	95-57-8	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
2-Methylnaphthalene	02	91-57-6	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-1-12"** **Laboratory Sample ID:** **23L1295-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	02	91-59-8	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
2-Nitroaniline	02	88-74-4	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
2-Nitrophenol	02	88-75-5	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
3,3'-Dichlorobenzidine	02	91-94-1	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
3-Methylcholanthrene	02	56-49-5	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
3-Nitroaniline	02	99-09-2	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
4,6-Dinitro-2-methylphenol	02	534-52-1	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
4-Aminobiphenyl	02	92-67-1	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
4-Bromophenyl phenyl ether	02	101-55-3	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
4-Chloroaniline	02	106-47-8	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
4-Chlorophenyl phenyl ether	02	7005-72-3	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
4-Nitroaniline	02	100-01-6	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
4-Nitrophenol	02	100-02-7	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
7,12-Dimethylbenz (a) anthracene	02	57-97-6	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Acenaphthene	02	83-32-9	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Acenaphthylene	02	208-96-8	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Acetophenone	02	98-86-2	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Aniline	02	62-53-3	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Anthracene	02	120-12-7	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Benzidine	02	92-87-5	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Benzo (a) anthracene	02	56-55-3	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Benzo (a) pyrene	02	50-32-8	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Benzo (b) fluoranthene	02	205-99-2	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Benzo (g,h,i) perylene	02	191-24-2	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-1-12"** **Laboratory Sample ID:** **23L1295-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	02	207-08-9	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Benzoic acid	02	65-85-0	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Benzyl alcohol	02	100-51-6	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
bis (2-Chloroethoxy) methane	02	111-91-1	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
bis (2-Chloroethyl) ether	02	111-44-4	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
2,2'-Oxybis (1-chloropropane)	02	108-60-1	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
bis (2-Ethylhexyl) phthalate	02	117-81-7	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Butyl benzyl phthalate	02	85-68-7	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Chrysene	02	218-01-9	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Dibenz (a,h) anthracene	02	53-70-3	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Dibenz (a,j) acridine	02	224-42-0	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Dibenzofuran	02	132-64-9	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Diethyl phthalate	02	84-66-2	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Dimethyl phthalate	02	131-11-3	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Di-n-butyl phthalate	02	84-74-2	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Di-n-octyl phthalate	02	117-84-0	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Diphenylamine	02	122-39-4	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Ethyl methanesulfonate	02	62-50-0	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Fluoranthene	02	206-44-0	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Fluorene	02	86-73-7	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Hexachlorobenzene	02	118-74-1	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Hexachlorobutadiene	02	87-68-3	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Hexachlorocyclopentadiene	02	77-47-4	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Hexachloroethane	02	67-72-1	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR

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Client Sample ID: **BG-1-12"** **Laboratory Sample ID:** **23L1295-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	02	193-39-5	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Isophorone	02	78-59-1	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
m+p-Cresols	02	1319-77-3	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Methyl methanesulfonate	02	66-27-3	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Naphthalene	02	91-20-3	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Nitrobenzene	02	98-95-3	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
n-Nitrosodimethylamine	02	62-75-9	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD	C	396	396	4	ug/kg dry	ZDR
n-Nitrosodi-n-butylamine	02	924-16-3	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
n-Nitrosodi-n-propylamine	02	621-64-7	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
n-Nitrosodiphenylamine	02	86-30-6	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
n-Nitrosopiperidine	02	100-75-4	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
o+m+p-Cresols	02	1319-77-3	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
o-Cresol	02	95-48-7	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
p-(Dimethylamino) azobenzene	02	60-11-7	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
p-Chloro-m-cresol	02	59-50-7	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Pentachloronitrobenzene (quintozene)	02	82-68-8	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Pentachlorophenol	02	87-86-5	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Phenacetin	02	62-44-2	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Phenanthrene	02	85-01-8	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Phenol	02	108-95-2	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Pronamide	02	23950-58-5	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Pyrene	02	129-00-0	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Pyridine	02	110-86-1	SW8270E	12/22/2023 08:45	12/28/2023 22:38	BLOD		396	396	4	ug/kg dry	ZDR
Surr: 2,4,6-Tribromophenol (Surr)	*02*	*46.1 %*	*15-96*	*12/22/2023 08:45*	*12/28/2023 22:38*							

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Client Sample ID: **BG-1-12"** **Laboratory Sample ID:** **23L1295-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*02*		*52.4 %*	*19-105*	*12/22/2023 08:45*	*12/28/2023 22:38*						
Surr: 2-Fluorophenol (Surr)	*02*		*17.8 %*	*12-95*	*12/22/2023 08:45*	*12/28/2023 22:38*						
Surr: Nitrobenzene-d5 (Surr)	*02*		*56.4 %*	*21-100*	*12/22/2023 08:45*	*12/28/2023 22:38*						
Surr: Phenol-d5 (Surr)	*02*		*57.2 %*	*13-100*	*12/22/2023 08:45*	*12/28/2023 22:38*						
Surr: p-Terphenyl-d14 (Surr)	*02*		*52.3 %*	*25-125*	*12/22/2023 08:45*	*12/28/2023 22:38*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	02	14808-79-8	SW9056A	12/22/2023 10:00	12/22/2023 10:00	69.2		3.01	12.0	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	02	7664-41-7	EPA350.1 R2.0	01/05/2024 15:22	01/05/2024 15:22	BLOD		11.7	11.7	1	mg/kg dry	LAM
Chromium, Hexavalent	02	18540-29-9	SW7199	01/03/2024 09:00	01/04/2024 09:18	0.74		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	02	14797-55-8	SW9056A	12/22/2023 10:00	12/22/2023 10:00	BLOD		1.20	2.41	1	mg/kg dry	ATG
Percent Solids	02	NA	SM2540G-2011	12/26/2023 16:15	12/26/2023 16:15	83.1		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-2-6"** **Laboratory Sample ID:** **23L1295-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	03	7440-22-4	SW6020B	12/27/2023 11:15	01/05/2024 12:20	1010		2.84	2.84	1	ug/kg dry	AB
Arsenic	03	7440-38-2	SW6020B	12/27/2023 11:15	01/05/2024 12:20	2480		56.8	56.8	1	ug/kg dry	AB
Barium	03RE1	7440-39-3	SW6020B	12/27/2023 11:15	01/05/2024 13:40	124000		56800	56800	100	ug/kg dry	AB
Beryllium	03	7440-41-7	SW6020B	12/27/2023 11:15	01/05/2024 12:20	352		56.8	56.8	1	ug/kg dry	AB
Cadmium	03	7440-43-9	SW6020B	12/27/2023 11:15	01/05/2024 12:20	722		56.8	56.8	1	ug/kg dry	AB
Cobalt	03	7440-48-4	SW6020B	12/27/2023 11:15	01/05/2024 12:20	11700		56.8	56.8	1	ug/kg dry	AB
Chromium	03RE1	7440-47-3	SW6020B	12/27/2023 11:15	01/05/2024 13:40	37000		5680	5680	100	ug/kg dry	AB
Copper	03RE1	7440-50-8	SW6020B	12/27/2023 11:15	01/05/2024 13:40	40200		5680	5680	100	ug/kg dry	AB
Mercury	03	7439-97-6	SW7471B	01/05/2024 10:13	01/05/2024 14:10	0.045		0.009	0.009	1	mg/kg dry	ACM
Manganese	03RE1	7439-96-5	SW6020B	12/27/2023 11:15	01/05/2024 13:40	619000		5680	5680	100	ug/kg dry	AB
Nickel	03	7440-02-0	SW6020B	12/27/2023 11:15	01/05/2024 12:20	18300		56.8	56.8	1	ug/kg dry	AB
Lead	03RE1	7439-92-1	SW6020B	12/27/2023 11:15	01/05/2024 13:40	81300		5680	5680	100	ug/kg dry	AB
Antimony	03	7440-36-0	SW6020B	12/27/2023 11:15	01/05/2024 12:20	397		56.8	56.8	1	ug/kg dry	AB
Selenium	03	7782-49-2	SW6020B	12/27/2023 11:15	01/05/2024 12:20	1750		56.8	56.8	1	ug/kg dry	AB
Thallium	03	7440-28-0	SW6020B	12/27/2023 11:15	01/05/2024 12:20	BLOD		56.8	56.8	1	ug/kg dry	AB
Vanadium	03RE1	7440-62-2	SW6020B	12/27/2023 11:15	01/05/2024 13:40	51200		28400	28400	100	ug/kg dry	AB
Zinc	03RE1	7440-66-6	SW6020B	12/27/2023 11:15	01/05/2024 13:40	184000		28400	28400	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	03	630-20-6	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
1,1,1-Trichloroethane	03	71-55-6	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	03	79-34-5	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
1,1,2-Trichloroethane	03	79-00-5	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
1,1-Dichloroethane	03	75-34-3	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
1,1-Dichloroethylene	03	75-35-4	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-2-6"** **Laboratory Sample ID:** **23L1295-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	03	563-58-6	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	03	87-61-6	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
1,2,3-Trichloropropane	03	96-18-4	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	03	120-82-1	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	03	95-63-6	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	03	96-12-8	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	03	106-93-4	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
1,2-Dichlorobenzene	03	95-50-1	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
1,2-Dichloroethane	03	107-06-2	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
1,2-Dichloropropane	03	78-87-5	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	03	108-67-8	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
1,3-Dichlorobenzene	03	541-73-1	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
1,3-Dichloropropane	03	142-28-9	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
1,4-Dichlorobenzene	03	106-46-7	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
2,2-Dichloropropane	03	594-20-7	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
2-Butanone (MEK)	03	78-93-3	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
2-Chlorotoluene	03	95-49-8	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
2-Hexanone (MBK)	03	591-78-6	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
4-Chlorotoluene	03	106-43-4	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
4-Isopropyltoluene	03	99-87-6	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	03	108-10-1	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
Acetone	03	67-64-1	SW8260D	12/22/2023 12:33	12/22/2023 12:33	107		11.9	11.9	1	ug/kg dry	RJB
Benzene	03	71-43-2	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
Bromobenzene	03	108-86-1	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB

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Client Sample ID: **BG-2-6"** **Laboratory Sample ID:** **23L1295-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	03	74-97-5	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
Bromodichloromethane	03	75-27-4	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
Bromoform	03	75-25-2	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
Bromomethane	03	74-83-9	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
Carbon disulfide	03	75-15-0	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
Carbon tetrachloride	03	56-23-5	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
Chlorobenzene	03	108-90-7	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
Chloroethane	03	75-00-3	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
Chloroform	03	67-66-3	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
Chloromethane	03	74-87-3	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	03	156-59-2	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	03	10061-01-5	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
Dibromochloromethane	03	124-48-1	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
Dibromomethane	03	74-95-3	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
Dichlorodifluoromethane	03	75-71-8	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	03	108-20-3	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
Ethylbenzene	03	100-41-4	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
Hexachlorobutadiene	03	87-68-3	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
Iodomethane	03	74-88-4	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		11.9	11.9	1	ug/kg dry	RJB
Isopropylbenzene	03	98-82-8	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
m+p-Xylenes	03	179601-23-1	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
Methylene chloride	03	75-09-2	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	03	1634-04-4	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB

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Client Sample ID: **BG-2-6"** **Laboratory Sample ID:** **23L1295-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	03	91-20-3	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
n-Butylbenzene	03	104-51-8	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
n-Propylbenzene	03	103-65-1	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
o-Xylene	03	95-47-6	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
sec-Butylbenzene	03	135-98-8	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
Styrene	03	100-42-5	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
tert-Butylbenzene	03	98-06-6	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	03	127-18-4	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
Toluene	03	108-88-3	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	03	156-60-5	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	03	10061-02-6	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
Trichloroethylene	03	79-01-6	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
Trichlorofluoromethane	03	75-69-4	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
Vinyl acetate	03	108-05-4	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	11.9	1	ug/kg dry	RJB
Vinyl chloride	03	75-01-4	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		5.95	5.95	1	ug/kg dry	RJB
Xylenes, Total	03	1330-20-7	SW8260D	12/22/2023 12:33	12/22/2023 12:33	BLOD		17.9	17.9	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*03*		*111 %*	*80-120*	*12/22/2023 12:33*	*12/22/2023 12:33*						
Surr: 4-Bromofluorobenzene (Surr)	*03*		*95.3 %*	*85-120*	*12/22/2023 12:33*	*12/22/2023 12:33*						
Surr: Dibromofluoromethane (Surr)	*03*		*104 %*	*80-130*	*12/22/2023 12:33*	*12/22/2023 12:33*						
Surr: Toluene-d8 (Surr)	*03*		*99.2 %*	*85-115*	*12/22/2023 12:33*	*12/22/2023 12:33*						

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Client Sample ID: **BG-2-6"** **Laboratory Sample ID:** **23L1295-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	03	123-91-1	SW8270E SIM	12/22/2023 08:45	12/23/2023 02:08	BLOD		8.06	8.06	2	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*03*	*44.3 %*	*35-100*	*12/22/2023 08:45*	*12/23/2023 02:08*							
1,2,4,5-Tetrachlorobenzene	03	95-94-3	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
1,2,4-Trichlorobenzene	03	120-82-1	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
1,2-Dichlorobenzene	03	95-50-1	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
1,2-Diphenylhydrazine	03	122-66-7	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
1,3-Dichlorobenzene	03	541-73-1	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
1,3-Dinitrobenzene	03	99-65-0	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
1,4-Dichlorobenzene	03	106-46-7	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
1-Chloronaphthalene	03	90-13-1	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
1-Naphthylamine	03	134-32-7	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
2,3,4,6-Tetrachlorophenol	03	58-90-2	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
2,4,5-Trichlorophenol	03	95-95-4	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
2,4,6-Trichlorophenol	03	88-06-2	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
2,4-Dichlorophenol	03	120-83-2	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
2,4-Dimethylphenol	03	105-67-9	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
2,4-Dinitrophenol	03	51-28-5	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
2,4-Dinitrotoluene	03	121-14-2	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
2,6-Dichlorophenol	03	87-65-0	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
2,6-Dinitrotoluene	03	606-20-2	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
2-Chloronaphthalene	03	91-58-7	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
2-Chlorophenol	03	95-57-8	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
2-Methylnaphthalene	03	91-57-6	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	03	91-59-8	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
2-Nitroaniline	03	88-74-4	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
2-Nitrophenol	03	88-75-5	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
3,3'-Dichlorobenzidine	03	91-94-1	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
3-Methylcholanthrene	03	56-49-5	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
3-Nitroaniline	03	99-09-2	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
4,6-Dinitro-2-methylphenol	03	534-52-1	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
4-Aminobiphenyl	03	92-67-1	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
4-Bromophenyl phenyl ether	03	101-55-3	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
4-Chloroaniline	03	106-47-8	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
4-Chlorophenyl phenyl ether	03	7005-72-3	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
4-Nitroaniline	03	100-01-6	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
4-Nitrophenol	03	100-02-7	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
7,12-Dimethylbenz (a) anthracene	03	57-97-6	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Acenaphthene	03	83-32-9	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Acenaphthylene	03	208-96-8	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Acetophenone	03	98-86-2	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Aniline	03	62-53-3	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Anthracene	03	120-12-7	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Benzidine	03	92-87-5	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Benzo (a) anthracene	03	56-55-3	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Benzo (a) pyrene	03	50-32-8	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Benzo (b) fluoranthene	03	205-99-2	SW8270E	12/22/2023 08:45	12/29/2023 02:06	2470		2020	2020	20	ug/kg dry	ZDR
Benzo (g,h,i) perylene	03	191-24-2	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR

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Client Sample ID: **BG-2-6"** **Laboratory Sample ID:** **23L1295-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	03	207-08-9	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Benzoic acid	03	65-85-0	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Benzyl alcohol	03	100-51-6	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
bis (2-Chloroethoxy) methane	03	111-91-1	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
bis (2-Chloroethyl) ether	03	111-44-4	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
2,2'-Oxybis (1-chloropropane)	03	108-60-1	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
bis (2-Ethylhexyl) phthalate	03	117-81-7	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Butyl benzyl phthalate	03	85-68-7	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Chrysene	03	218-01-9	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Dibenz (a,h) anthracene	03	53-70-3	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Dibenz (a,j) acridine	03	224-42-0	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Dibenzofuran	03	132-64-9	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Diethyl phthalate	03	84-66-2	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Dimethyl phthalate	03	131-11-3	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Di-n-butyl phthalate	03	84-74-2	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Di-n-octyl phthalate	03	117-84-0	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Diphenylamine	03	122-39-4	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Ethyl methanesulfonate	03	62-50-0	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Fluoranthene	03	206-44-0	SW8270E	12/22/2023 08:45	12/29/2023 02:06	2600		2020	2020	20	ug/kg dry	ZDR
Fluorene	03	86-73-7	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Hexachlorobenzene	03	118-74-1	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Hexachlorobutadiene	03	87-68-3	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Hexachlorocyclopentadiene	03	77-47-4	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Hexachloroethane	03	67-72-1	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR

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Client Sample ID: **BG-2-6"** **Laboratory Sample ID:** **23L1295-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	03	193-39-5	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Isophorone	03	78-59-1	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
m+p-Cresols	03	1319-77-3	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Methyl methanesulfonate	03	66-27-3	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Naphthalene	03	91-20-3	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Nitrobenzene	03	98-95-3	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
n-Nitrosodimethylamine	03	62-75-9	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD	C	2020	2020	20	ug/kg dry	ZDR
n-Nitrosodi-n-butylamine	03	924-16-3	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
n-Nitrosodi-n-propylamine	03	621-64-7	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
n-Nitrosodiphenylamine	03	86-30-6	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
n-Nitrosopiperidine	03	100-75-4	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
o+m+p-Cresols	03	1319-77-3	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
o-Cresol	03	95-48-7	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
p-(Dimethylamino) azobenzene	03	60-11-7	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
p-Chloro-m-cresol	03	59-50-7	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Pentachloronitrobenzene (quintozene)	03	82-68-8	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Pentachlorophenol	03	87-86-5	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Phenacetin	03	62-44-2	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Phenanthrene	03	85-01-8	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Phenol	03	108-95-2	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Pronamide	03	23950-58-5	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Pyrene	03	129-00-0	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Pyridine	03	110-86-1	SW8270E	12/22/2023 08:45	12/29/2023 02:06	BLOD		2020	2020	20	ug/kg dry	ZDR
Surr: 2,4,6-Tribromophenol (Surr)	*03*		*19.8 %*	*15-96*	*12/22/2023 08:45*	*12/29/2023 02:06*						

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Client Sample ID: **BG-2-6"** **Laboratory Sample ID:** **23L1295-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*03*		*34.8 %*	*19-105*	*12/22/2023 08:45*	*12/29/2023 02:06*						
Surr: 2-Fluorophenol (Surr)	*03*		*24.4 %*	*12-95*	*12/22/2023 08:45*	*12/29/2023 02:06*						
Surr: Nitrobenzene-d5 (Surr)	*03*		*24.0 %*	*21-100*	*12/22/2023 08:45*	*12/29/2023 02:06*						
Surr: Phenol-d5 (Surr)	*03*		*24.0 %*	*13-100*	*12/22/2023 08:45*	*12/29/2023 02:06*						
Surr: p-Terphenyl-d14 (Surr)	*03*		*23.6 %*	*25-125*	*12/22/2023 08:45*	*12/29/2023 02:06*						*DS*

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	03	14808-79-8	SW9056A	12/22/2023 10:00	12/22/2023 10:00	BLOD		3.05	12.2	1	mg/kg dry	ATG

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Client Sample ID: **BG-2-6"** **Laboratory Sample ID:** **23L1295-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	03	7664-41-7	EPA350.1 R2.0	01/05/2024 15:22	01/05/2024 15:22	BLOD		12.1	12.1	1	mg/kg dry	LAM
Chromium, Hexavalent	03	18540-29-9	SW7199	01/04/2024 09:00	01/04/2024 19:40	BLOD		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	03	14797-55-8	SW9056A	12/22/2023 10:00	12/22/2023 10:00	1.48	J	1.22	2.44	1	mg/kg dry	ATG
Percent Solids	03	NA	SM2540G-2011	12/26/2023 16:15	12/26/2023 16:15	82.0		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-2-12"** **Laboratory Sample ID:** **23L1295-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	04	7440-22-4	SW6020B	12/27/2023 11:15	01/05/2024 12:25	899		2.84	2.84	1	ug/kg dry	AB
Arsenic	04	7440-38-2	SW6020B	12/27/2023 11:15	01/05/2024 12:25	2520		56.9	56.9	1	ug/kg dry	AB
Barium	04RE1	7440-39-3	SW6020B	12/27/2023 11:15	01/05/2024 13:43	239000		56900	56900	100	ug/kg dry	AB
Beryllium	04	7440-41-7	SW6020B	12/27/2023 11:15	01/05/2024 12:25	325		56.9	56.9	1	ug/kg dry	AB
Cadmium	04	7440-43-9	SW6020B	12/27/2023 11:15	01/05/2024 12:25	755		56.9	56.9	1	ug/kg dry	AB
Cobalt	04	7440-48-4	SW6020B	12/27/2023 11:15	01/05/2024 12:25	9920		56.9	56.9	1	ug/kg dry	AB
Chromium	04RE1	7440-47-3	SW6020B	12/27/2023 11:15	01/05/2024 13:43	41900		5690	5690	100	ug/kg dry	AB
Copper	04RE1	7440-50-8	SW6020B	12/27/2023 11:15	01/05/2024 13:43	36600		5690	5690	100	ug/kg dry	AB
Mercury	04	7439-97-6	SW7471B	01/05/2024 10:13	01/05/2024 14:13	0.029		0.009	0.009	1	mg/kg dry	ACM
Manganese	04RE1	7439-96-5	SW6020B	12/27/2023 11:15	01/05/2024 13:43	478000		5690	5690	100	ug/kg dry	AB
Nickel	04	7440-02-0	SW6020B	12/27/2023 11:15	01/05/2024 12:25	15200		56.9	56.9	1	ug/kg dry	AB
Lead	04RE1	7439-92-1	SW6020B	12/27/2023 11:15	01/05/2024 13:43	74300		5690	5690	100	ug/kg dry	AB
Antimony	04	7440-36-0	SW6020B	12/27/2023 11:15	01/05/2024 12:25	308		56.9	56.9	1	ug/kg dry	AB
Selenium	04	7782-49-2	SW6020B	12/27/2023 11:15	01/05/2024 12:25	1730		56.9	56.9	1	ug/kg dry	AB
Thallium	04	7440-28-0	SW6020B	12/27/2023 11:15	01/05/2024 12:25	BLOD		56.9	56.9	1	ug/kg dry	AB
Vanadium	04RE1	7440-62-2	SW6020B	12/27/2023 11:15	01/05/2024 13:43	51000		28400	28400	100	ug/kg dry	AB
Zinc	04RE1	7440-66-6	SW6020B	12/27/2023 11:15	01/05/2024 13:43	185000		28400	28400	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	04	630-20-6	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
1,1,1-Trichloroethane	04	71-55-6	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	04	79-34-5	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
1,1,2-Trichloroethane	04	79-00-5	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
1,1-Dichloroethane	04	75-34-3	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
1,1-Dichloroethylene	04	75-35-4	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB

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Client Sample ID: **BG-2-12"** **Laboratory Sample ID:** **23L1295-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	04	563-58-6	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	04	87-61-6	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
1,2,3-Trichloropropane	04	96-18-4	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	04	120-82-1	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	04	95-63-6	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	04	96-12-8	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	04	106-93-4	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
1,2-Dichlorobenzene	04	95-50-1	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
1,2-Dichloroethane	04	107-06-2	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
1,2-Dichloropropane	04	78-87-5	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	04	108-67-8	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
1,3-Dichlorobenzene	04	541-73-1	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
1,3-Dichloropropane	04	142-28-9	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
1,4-Dichlorobenzene	04	106-46-7	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
2,2-Dichloropropane	04	594-20-7	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
2-Butanone (MEK)	04	78-93-3	SW8260D	12/22/2023 12:56	12/22/2023 12:56	14.3		5.50	5.50	1	ug/kg dry	RJB
2-Chlorotoluene	04	95-49-8	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
2-Hexanone (MBK)	04	591-78-6	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
4-Chlorotoluene	04	106-43-4	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
4-Isopropyltoluene	04	99-87-6	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	04	108-10-1	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
Acetone	04	67-64-1	SW8260D	12/22/2023 12:56	12/22/2023 12:56	275		11.0	11.0	1	ug/kg dry	RJB
Benzene	04	71-43-2	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
Bromobenzene	04	108-86-1	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB

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Client Sample ID: **BG-2-12"** **Laboratory Sample ID:** **23L1295-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	04	74-97-5	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
Bromodichloromethane	04	75-27-4	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
Bromoform	04	75-25-2	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
Bromomethane	04	74-83-9	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
Carbon disulfide	04	75-15-0	SW8260D	12/22/2023 12:56	12/22/2023 12:56	11.3		5.50	5.50	1	ug/kg dry	RJB
Carbon tetrachloride	04	56-23-5	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
Chlorobenzene	04	108-90-7	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
Chloroethane	04	75-00-3	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
Chloroform	04	67-66-3	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
Chloromethane	04	74-87-3	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	04	156-59-2	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	04	10061-01-5	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
Dibromochloromethane	04	124-48-1	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
Dibromomethane	04	74-95-3	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
Dichlorodifluoromethane	04	75-71-8	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	04	108-20-3	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
Ethylbenzene	04	100-41-4	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
Hexachlorobutadiene	04	87-68-3	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
Iodomethane	04	74-88-4	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		11.0	11.0	1	ug/kg dry	RJB
Isopropylbenzene	04	98-82-8	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
m+p-Xylenes	04	179601-23-1	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
Methylene chloride	04	75-09-2	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	04	1634-04-4	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB

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Client Sample ID: **BG-2-12"** **Laboratory Sample ID:** **23L1295-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	04	91-20-3	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
n-Butylbenzene	04	104-51-8	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
n-Propylbenzene	04	103-65-1	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
o-Xylene	04	95-47-6	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
sec-Butylbenzene	04	135-98-8	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
Styrene	04	100-42-5	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
tert-Butylbenzene	04	98-06-6	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	04	127-18-4	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
Toluene	04	108-88-3	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	04	156-60-5	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	04	10061-02-6	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
Trichloroethylene	04	79-01-6	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
Trichlorofluoromethane	04	75-69-4	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
Vinyl acetate	04	108-05-4	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	11.0	1	ug/kg dry	RJB
Vinyl chloride	04	75-01-4	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		5.50	5.50	1	ug/kg dry	RJB
Xylenes, Total	04	1330-20-7	SW8260D	12/22/2023 12:56	12/22/2023 12:56	BLOD		16.5	16.5	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*04*		*113 %*	*80-120*	*12/22/2023 12:56*	*12/22/2023 12:56*						
Surr: 4-Bromofluorobenzene (Surr)	*04*		*87.3 %*	*85-120*	*12/22/2023 12:56*	*12/22/2023 12:56*						
Surr: Dibromofluoromethane (Surr)	*04*		*109 %*	*80-130*	*12/22/2023 12:56*	*12/22/2023 12:56*						
Surr: Toluene-d8 (Surr)	*04*		*97.1 %*	*85-115*	*12/22/2023 12:56*	*12/22/2023 12:56*						

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Client Sample ID: **BG-2-12"** **Laboratory Sample ID:** **23L1295-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	04	123-91-1	SW8270E SIM	12/22/2023 08:45	12/26/2023 17:57	BLOD		7.72	7.72	2	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*04*	*52.8 %*	*35-100*	*12/22/2023 08:45*	*12/26/2023 17:57*							
1,2,4,5-Tetrachlorobenzene	04	95-94-3	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
1,2,4-Trichlorobenzene	04	120-82-1	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
1,2-Dichlorobenzene	04	95-50-1	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
1,2-Diphenylhydrazine	04	122-66-7	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
1,3-Dichlorobenzene	04	541-73-1	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
1,3-Dinitrobenzene	04	99-65-0	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
1,4-Dichlorobenzene	04	106-46-7	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
1-Chloronaphthalene	04	90-13-1	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
1-Naphthylamine	04	134-32-7	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
2,3,4,6-Tetrachlorophenol	04	58-90-2	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
2,4,5-Trichlorophenol	04	95-95-4	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
2,4,6-Trichlorophenol	04	88-06-2	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
2,4-Dichlorophenol	04	120-83-2	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
2,4-Dimethylphenol	04	105-67-9	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
2,4-Dinitrophenol	04	51-28-5	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
2,4-Dinitrotoluene	04	121-14-2	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
2,6-Dichlorophenol	04	87-65-0	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
2,6-Dinitrotoluene	04	606-20-2	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
2-Chloronaphthalene	04	91-58-7	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
2-Chlorophenol	04	95-57-8	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
2-Methylnaphthalene	04	91-57-6	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	04	91-59-8	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
2-Nitroaniline	04	88-74-4	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
2-Nitrophenol	04	88-75-5	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
3,3'-Dichlorobenzidine	04	91-94-1	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
3-Methylcholanthrene	04	56-49-5	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
3-Nitroaniline	04	99-09-2	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
4,6-Dinitro-2-methylphenol	04	534-52-1	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
4-Aminobiphenyl	04	92-67-1	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
4-Bromophenyl phenyl ether	04	101-55-3	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
4-Chloroaniline	04	106-47-8	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
4-Chlorophenyl phenyl ether	04	7005-72-3	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
4-Nitroaniline	04	100-01-6	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
4-Nitrophenol	04	100-02-7	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
7,12-Dimethylbenz (a) anthracene	04	57-97-6	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Acenaphthene	04	83-32-9	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Acenaphthylene	04	208-96-8	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Acetophenone	04	98-86-2	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Aniline	04	62-53-3	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Anthracene	04	120-12-7	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Benzidine	04	92-87-5	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Benzo (a) anthracene	04	56-55-3	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Benzo (a) pyrene	04	50-32-8	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Benzo (b) fluoranthene	04	205-99-2	SW8270E	12/22/2023 08:45	12/29/2023 02:35	2040		1930	1930	20	ug/kg dry	ZDR
Benzo (g,h,i) perylene	04	191-24-2	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR

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Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	04	207-08-9	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Benzoic acid	04	65-85-0	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Benzyl alcohol	04	100-51-6	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
bis (2-Chloroethoxy) methane	04	111-91-1	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
bis (2-Chloroethyl) ether	04	111-44-4	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
2,2'-Oxybis (1-chloropropane)	04	108-60-1	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
bis (2-Ethylhexyl) phthalate	04	117-81-7	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Butyl benzyl phthalate	04	85-68-7	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Chrysene	04	218-01-9	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Dibenz (a,h) anthracene	04	53-70-3	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Dibenz (a,j) acridine	04	224-42-0	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Dibenzofuran	04	132-64-9	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Diethyl phthalate	04	84-66-2	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Dimethyl phthalate	04	131-11-3	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Di-n-butyl phthalate	04	84-74-2	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Di-n-octyl phthalate	04	117-84-0	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Diphenylamine	04	122-39-4	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Ethyl methanesulfonate	04	62-50-0	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Fluoranthene	04	206-44-0	SW8270E	12/22/2023 08:45	12/29/2023 02:35	1960		1930	1930	20	ug/kg dry	ZDR
Fluorene	04	86-73-7	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Hexachlorobenzene	04	118-74-1	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Hexachlorobutadiene	04	87-68-3	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Hexachlorocyclopentadiene	04	77-47-4	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Hexachloroethane	04	67-72-1	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-2-12"** **Laboratory Sample ID:** **23L1295-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	04	193-39-5	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Isophorone	04	78-59-1	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
m+p-Cresols	04	1319-77-3	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Methyl methanesulfonate	04	66-27-3	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Naphthalene	04	91-20-3	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Nitrobenzene	04	98-95-3	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
n-Nitrosodimethylamine	04	62-75-9	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD	C	1930	1930	20	ug/kg dry	ZDR
n-Nitrosodi-n-butylamine	04	924-16-3	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
n-Nitrosodi-n-propylamine	04	621-64-7	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
n-Nitrosodiphenylamine	04	86-30-6	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
n-Nitrosopiperidine	04	100-75-4	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
o+m+p-Cresols	04	1319-77-3	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
o-Cresol	04	95-48-7	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
p-(Dimethylamino) azobenzene	04	60-11-7	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
p-Chloro-m-cresol	04	59-50-7	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Pentachloronitrobenzene (quintozene)	04	82-68-8	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Pentachlorophenol	04	87-86-5	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Phenacetin	04	62-44-2	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Phenanthrene	04	85-01-8	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Phenol	04	108-95-2	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Pronamide	04	23950-58-5	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Pyrene	04	129-00-0	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Pyridine	04	110-86-1	SW8270E	12/22/2023 08:45	12/29/2023 02:35	BLOD		1930	1930	20	ug/kg dry	ZDR
Surr: 2,4,6-Tribromophenol (Surr)	*04*	*30.8 %*	*15-96*	*12/22/2023 08:45*	*12/29/2023 02:35*							

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Client Sample ID: **BG-2-12"** **Laboratory Sample ID:** **23L1295-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*04*		*37.2 %*	*19-105*	*12/22/2023 08:45*	*12/29/2023 02:35*						
Surr: 2-Fluorophenol (Surr)	*04*		*30.6 %*	*12-95*	*12/22/2023 08:45*	*12/29/2023 02:35*						
Surr: Nitrobenzene-d5 (Surr)	*04*		*28.0 %*	*21-100*	*12/22/2023 08:45*	*12/29/2023 02:35*						
Surr: Phenol-d5 (Surr)	*04*		*28.0 %*	*13-100*	*12/22/2023 08:45*	*12/29/2023 02:35*						
Surr: p-Terphenyl-d14 (Surr)	*04*		*29.6 %*	*25-125*	*12/22/2023 08:45*	*12/29/2023 02:35*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	04	14808-79-8	SW9056A	12/22/2023 10:00	12/22/2023 10:00	BLOD		2.93	11.7	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	04	7664-41-7	EPA350.1 R2.0	01/05/2024 15:22	01/05/2024 15:22	BLOD		11.5	11.5	1	mg/kg dry	LAM
Chromium, Hexavalent	04	18540-29-9	SW7199	01/04/2024 09:00	01/04/2024 20:06	1.24		0.23	0.23	1	mg/kg dry	MGC
Nitrate as N	04	14797-55-8	SW9056A	12/22/2023 10:00	12/22/2023 10:00	1.40	J	1.17	2.34	1	mg/kg dry	ATG
Percent Solids	04	NA	SM2540G-2011	12/26/2023 16:15	12/26/2023 16:15	85.5		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-3-6"** **Laboratory Sample ID:** **23L1295-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	05	7440-22-4	SW6020B	12/27/2023 11:15	01/05/2024 12:28	111		3.12	3.12	1	ug/kg dry	AB
Arsenic	05	7440-38-2	SW6020B	12/27/2023 11:15	01/05/2024 12:28	3110		62.5	62.5	1	ug/kg dry	AB
Barium	05RE1	7440-39-3	SW6020B	12/27/2023 11:15	01/05/2024 13:48	102000		62500	62500	100	ug/kg dry	AB
Beryllium	05	7440-41-7	SW6020B	12/27/2023 11:15	01/05/2024 12:28	616		62.5	62.5	1	ug/kg dry	AB
Cadmium	05	7440-43-9	SW6020B	12/27/2023 11:15	01/05/2024 12:28	277		62.5	62.5	1	ug/kg dry	AB
Cobalt	05	7440-48-4	SW6020B	12/27/2023 11:15	01/05/2024 12:28	15200		62.5	62.5	1	ug/kg dry	AB
Chromium	05RE1	7440-47-3	SW6020B	12/27/2023 11:15	01/05/2024 13:48	76800		6250	6250	100	ug/kg dry	AB
Copper	05RE1	7440-50-8	SW6020B	12/27/2023 11:15	01/05/2024 13:48	54800		6250	6250	100	ug/kg dry	AB
Mercury	05	7439-97-6	SW7471B	01/05/2024 10:13	01/05/2024 14:15	0.156		0.010	0.010	1	mg/kg dry	ACM
Manganese	05RE1	7439-96-5	SW6020B	12/27/2023 11:15	01/05/2024 13:48	387000		6250	6250	100	ug/kg dry	AB
Nickel	05	7440-02-0	SW6020B	12/27/2023 11:15	01/05/2024 12:28	25400		62.5	62.5	1	ug/kg dry	AB
Lead	05RE1	7439-92-1	SW6020B	12/27/2023 11:15	01/05/2024 13:48	85000		6250	6250	100	ug/kg dry	AB
Antimony	05	7440-36-0	SW6020B	12/27/2023 11:15	01/05/2024 12:28	211		62.5	62.5	1	ug/kg dry	AB
Selenium	05	7782-49-2	SW6020B	12/27/2023 11:15	01/05/2024 12:28	2520		62.5	62.5	1	ug/kg dry	AB
Thallium	05	7440-28-0	SW6020B	12/27/2023 11:15	01/05/2024 12:28	86.7		62.5	62.5	1	ug/kg dry	AB
Vanadium	05RE1	7440-62-2	SW6020B	12/27/2023 11:15	01/05/2024 13:48	99700		31200	31200	100	ug/kg dry	AB
Zinc	05RE1	7440-66-6	SW6020B	12/27/2023 11:15	01/05/2024 13:48	103000		31200	31200	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	05	630-20-6	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
1,1,1-Trichloroethane	05	71-55-6	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	05	79-34-5	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
1,1,2-Trichloroethane	05	79-00-5	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
1,1-Dichloroethane	05	75-34-3	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
1,1-Dichloroethylene	05	75-35-4	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB

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Client Sample ID: **BG-3-6"** **Laboratory Sample ID:** **23L1295-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	05	563-58-6	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	05	87-61-6	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
1,2,3-Trichloropropane	05	96-18-4	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	05	120-82-1	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	05	95-63-6	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	05	96-12-8	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	05	106-93-4	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
1,2-Dichlorobenzene	05	95-50-1	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
1,2-Dichloroethane	05	107-06-2	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
1,2-Dichloropropane	05	78-87-5	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	05	108-67-8	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
1,3-Dichlorobenzene	05	541-73-1	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
1,3-Dichloropropane	05	142-28-9	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
1,4-Dichlorobenzene	05	106-46-7	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
2,2-Dichloropropane	05	594-20-7	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
2-Butanone (MEK)	05	78-93-3	SW8260D	12/22/2023 13:20	12/22/2023 13:20	13.7		6.95	6.95	1	ug/kg dry	RJB
2-Chlorotoluene	05	95-49-8	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
2-Hexanone (MBK)	05	591-78-6	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
4-Chlorotoluene	05	106-43-4	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
4-Isopropyltoluene	05	99-87-6	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	05	108-10-1	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
Acetone	05	67-64-1	SW8260D	12/22/2023 13:20	12/22/2023 13:20	182		13.9	13.9	1	ug/kg dry	RJB
Benzene	05	71-43-2	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
Bromobenzene	05	108-86-1	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB

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Client Sample ID: **BG-3-6"** **Laboratory Sample ID:** **23L1295-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	05	74-97-5	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
Bromodichloromethane	05	75-27-4	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
Bromoform	05	75-25-2	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
Bromomethane	05	74-83-9	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
Carbon disulfide	05	75-15-0	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
Carbon tetrachloride	05	56-23-5	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
Chlorobenzene	05	108-90-7	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
Chloroethane	05	75-00-3	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
Chloroform	05	67-66-3	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
Chloromethane	05	74-87-3	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	05	156-59-2	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	05	10061-01-5	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
Dibromochloromethane	05	124-48-1	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
Dibromomethane	05	74-95-3	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
Dichlorodifluoromethane	05	75-71-8	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	05	108-20-3	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
Ethylbenzene	05	100-41-4	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
Hexachlorobutadiene	05	87-68-3	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
Iodomethane	05	74-88-4	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		13.9	13.9	1	ug/kg dry	RJB
Isopropylbenzene	05	98-82-8	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
m+p-Xylenes	05	179601-23-1	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
Methylene chloride	05	75-09-2	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	05	1634-04-4	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-3-6"** **Laboratory Sample ID:** **23L1295-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	05	91-20-3	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
n-Butylbenzene	05	104-51-8	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
n-Propylbenzene	05	103-65-1	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
o-Xylene	05	95-47-6	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
sec-Butylbenzene	05	135-98-8	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
Styrene	05	100-42-5	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
tert-Butylbenzene	05	98-06-6	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	05	127-18-4	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
Toluene	05	108-88-3	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	05	156-60-5	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	05	10061-02-6	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
Trichloroethylene	05	79-01-6	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
Trichlorofluoromethane	05	75-69-4	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
Vinyl acetate	05	108-05-4	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	13.9	1	ug/kg dry	RJB
Vinyl chloride	05	75-01-4	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		6.95	6.95	1	ug/kg dry	RJB
Xylenes, Total	05	1330-20-7	SW8260D	12/22/2023 13:20	12/22/2023 13:20	BLOD		20.8	20.8	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*05*	*111 %*	*80-120*	*12/22/2023 13:20*	*12/22/2023 13:20*							
Surr: 4-Bromofluorobenzene (Surr)	*05*	*89.5 %*	*85-120*	*12/22/2023 13:20*	*12/22/2023 13:20*							
Surr: Dibromofluoromethane (Surr)	*05*	*106 %*	*80-130*	*12/22/2023 13:20*	*12/22/2023 13:20*							
Surr: Toluene-d8 (Surr)	*05*	*99.3 %*	*85-115*	*12/22/2023 13:20*	*12/22/2023 13:20*							

Enthalpy Analytical
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Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-3-6"** **Laboratory Sample ID:** **23L1295-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	05	123-91-1	SW8270E SIM	12/22/2023 08:45	12/26/2023 18:23	BLOD		8.78	8.78	2	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*05*	*79.7 %*	*35-100*	*12/22/2023 08:45*	*12/26/2023 18:23*							
1,2,4,5-Tetrachlorobenzene	05	95-94-3	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
1,2,4-Trichlorobenzene	05	120-82-1	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
1,2-Dichlorobenzene	05	95-50-1	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
1,2-Diphenylhydrazine	05	122-66-7	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
1,3-Dichlorobenzene	05	541-73-1	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
1,3-Dinitrobenzene	05	99-65-0	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
1,4-Dichlorobenzene	05	106-46-7	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
1-Chloronaphthalene	05	90-13-1	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
1-Naphthylamine	05	134-32-7	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
2,3,4,6-Tetrachlorophenol	05	58-90-2	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
2,4,5-Trichlorophenol	05	95-95-4	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
2,4,6-Trichlorophenol	05	88-06-2	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
2,4-Dichlorophenol	05	120-83-2	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
2,4-Dimethylphenol	05	105-67-9	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
2,4-Dinitrophenol	05	51-28-5	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
2,4-Dinitrotoluene	05	121-14-2	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
2,6-Dichlorophenol	05	87-65-0	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
2,6-Dinitrotoluene	05	606-20-2	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
2-Chloronaphthalene	05	91-58-7	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
2-Chlorophenol	05	95-57-8	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
2-Methylnaphthalene	05	91-57-6	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-3-6"** **Laboratory Sample ID:** **23L1295-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	05	91-59-8	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
2-Nitroaniline	05	88-74-4	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
2-Nitrophenol	05	88-75-5	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
3,3'-Dichlorobenzidine	05	91-94-1	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
3-Methylcholanthrene	05	56-49-5	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
3-Nitroaniline	05	99-09-2	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
4,6-Dinitro-2-methylphenol	05	534-52-1	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
4-Aminobiphenyl	05	92-67-1	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
4-Bromophenyl phenyl ether	05	101-55-3	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
4-Chloroaniline	05	106-47-8	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
4-Chlorophenyl phenyl ether	05	7005-72-3	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
4-Nitroaniline	05	100-01-6	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
4-Nitrophenol	05	100-02-7	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
7,12-Dimethylbenz (a) anthracene	05	57-97-6	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Acenaphthene	05	83-32-9	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Acenaphthylene	05	208-96-8	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Acetophenone	05	98-86-2	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Aniline	05	62-53-3	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Anthracene	05	120-12-7	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Benzidine	05	92-87-5	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Benzo (a) anthracene	05	56-55-3	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Benzo (a) pyrene	05	50-32-8	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Benzo (b) fluoranthene	05	205-99-2	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Benzo (g,h,i) perylene	05	191-24-2	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR

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Client Sample ID: **BG-3-6"** **Laboratory Sample ID:** **23L1295-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	05	207-08-9	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Benzoic acid	05	65-85-0	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Benzyl alcohol	05	100-51-6	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
bis (2-Chloroethoxy) methane	05	111-91-1	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
bis (2-Chloroethyl) ether	05	111-44-4	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
2,2'-Oxybis (1-chloropropane)	05	108-60-1	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
bis (2-Ethylhexyl) phthalate	05	117-81-7	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Butyl benzyl phthalate	05	85-68-7	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Chrysene	05	218-01-9	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Dibenz (a,h) anthracene	05	53-70-3	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Dibenz (a,j) acridine	05	224-42-0	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Dibenzofuran	05	132-64-9	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Diethyl phthalate	05	84-66-2	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Dimethyl phthalate	05	131-11-3	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Di-n-butyl phthalate	05	84-74-2	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Di-n-octyl phthalate	05	117-84-0	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Diphenylamine	05	122-39-4	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Ethyl methanesulfonate	05	62-50-0	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Fluoranthene	05	206-44-0	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Fluorene	05	86-73-7	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Hexachlorobenzene	05	118-74-1	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Hexachlorobutadiene	05	87-68-3	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Hexachlorocyclopentadiene	05	77-47-4	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Hexachloroethane	05	67-72-1	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR

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Client Sample ID: **BG-3-6"** **Laboratory Sample ID:** **23L1295-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	05	193-39-5	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Isophorone	05	78-59-1	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
m+p-Cresols	05	1319-77-3	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Methyl methanesulfonate	05	66-27-3	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Naphthalene	05	91-20-3	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Nitrobenzene	05	98-95-3	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
n-Nitrosodimethylamine	05	62-75-9	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD	C	1100	1100	10	ug/kg dry	ZDR
n-Nitrosodi-n-butylamine	05	924-16-3	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
n-Nitrosodi-n-propylamine	05	621-64-7	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
n-Nitrosodiphenylamine	05	86-30-6	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
n-Nitrosopiperidine	05	100-75-4	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
o+m+p-Cresols	05	1319-77-3	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
o-Cresol	05	95-48-7	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
p-(Dimethylamino) azobenzene	05	60-11-7	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
p-Chloro-m-cresol	05	59-50-7	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Pentachloronitrobenzene (quintozene)	05	82-68-8	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Pentachlorophenol	05	87-86-5	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Phenacetin	05	62-44-2	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Phenanthrene	05	85-01-8	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Phenol	05	108-95-2	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Pronamide	05	23950-58-5	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Pyrene	05	129-00-0	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Pyridine	05	110-86-1	SW8270E	12/22/2023 08:45	12/28/2023 23:07	BLOD		1100	1100	10	ug/kg dry	ZDR
Surr: 2,4,6-Tribromophenol (Surr)	*05*	*38.7 %*	*15-96*	*12/22/2023 08:45*	*12/28/2023 23:07*							

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Client Sample ID: **BG-3-6"** **Laboratory Sample ID:** **23L1295-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*05*		*42.8 %*	*19-105*	*12/22/2023 08:45*	*12/28/2023 23:07*						
Surr: 2-Fluorophenol (Surr)	*05*		*47.6 %*	*12-95*	*12/22/2023 08:45*	*12/28/2023 23:07*						
Surr: Nitrobenzene-d5 (Surr)	*05*		*45.6 %*	*21-100*	*12/22/2023 08:45*	*12/28/2023 23:07*						
Surr: Phenol-d5 (Surr)	*05*		*46.1 %*	*13-100*	*12/22/2023 08:45*	*12/28/2023 23:07*						
Surr: p-Terphenyl-d14 (Surr)	*05*		*35.6 %*	*25-125*	*12/22/2023 08:45*	*12/28/2023 23:07*						

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Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-3-6"** **Laboratory Sample ID:** **23L1295-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	05	14808-79-8	SW9056A	12/22/2023 10:00	12/22/2023 10:00	BLOD		3.35	13.4	1	mg/kg dry	ATG

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Client Sample ID: **BG-3-6"** **Laboratory Sample ID:** **23L1295-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	05	7664-41-7	EPA350.1 R2.0	01/05/2024 15:22	01/05/2024 15:22	BLOD		13.2	13.2	1	mg/kg dry	LAM
Chromium, Hexavalent	05	18540-29-9	SW7199	01/04/2024 09:00	01/04/2024 20:33	0.99		0.27	0.27	1	mg/kg dry	MGC
Nitrate as N	05	14797-55-8	SW9056A	12/22/2023 10:00	12/22/2023 10:00	BLOD		1.34	2.68	1	mg/kg dry	ATG
Percent Solids	05	NA	SM2540G-2011	12/26/2023 16:15	12/26/2023 16:15	74.6		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-3-12"** **Laboratory Sample ID:** **23L1295-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	06	7440-22-4	SW6020B	12/27/2023 11:15	01/05/2024 12:31	88.9		2.99	2.99	1	ug/kg dry	AB
Arsenic	06	7440-38-2	SW6020B	12/27/2023 11:15	01/05/2024 12:31	2920		59.8	59.8	1	ug/kg dry	AB
Barium	06RE1	7440-39-3	SW6020B	12/27/2023 11:15	01/05/2024 13:51	156000		59800	59800	100	ug/kg dry	AB
Beryllium	06	7440-41-7	SW6020B	12/27/2023 11:15	01/05/2024 12:31	801		59.8	59.8	1	ug/kg dry	AB
Cadmium	06	7440-43-9	SW6020B	12/27/2023 11:15	01/05/2024 12:31	175		59.8	59.8	1	ug/kg dry	AB
Cobalt	06	7440-48-4	SW6020B	12/27/2023 11:15	01/05/2024 12:31	18700		59.8	59.8	1	ug/kg dry	AB
Chromium	06RE1	7440-47-3	SW6020B	12/27/2023 11:15	01/05/2024 13:51	110000		5980	5980	100	ug/kg dry	AB
Copper	06RE1	7440-50-8	SW6020B	12/27/2023 11:15	01/05/2024 13:51	67800		5980	5980	100	ug/kg dry	AB
Mercury	06RE1	7439-97-6	SW7471B	01/05/2024 10:13	01/05/2024 15:15	0.204		0.020	0.020	2	mg/kg dry	ACM
Manganese	06RE1	7439-96-5	SW6020B	12/27/2023 11:15	01/05/2024 13:51	388000		5980	5980	100	ug/kg dry	AB
Nickel	06RE1	7440-02-0	SW6020B	12/27/2023 11:15	01/05/2024 13:51	40300		5980	5980	100	ug/kg dry	AB
Lead	06RE1	7439-92-1	SW6020B	12/27/2023 11:15	01/05/2024 13:51	70000		5980	5980	100	ug/kg dry	AB
Antimony	06	7440-36-0	SW6020B	12/27/2023 11:15	01/05/2024 12:31	115		59.8	59.8	1	ug/kg dry	AB
Selenium	06	7782-49-2	SW6020B	12/27/2023 11:15	01/05/2024 12:31	2840		59.8	59.8	1	ug/kg dry	AB
Thallium	06	7440-28-0	SW6020B	12/27/2023 11:15	01/05/2024 12:31	79.5		59.8	59.8	1	ug/kg dry	AB
Vanadium	06RE1	7440-62-2	SW6020B	12/27/2023 11:15	01/05/2024 13:51	137000		29900	29900	100	ug/kg dry	AB
Zinc	06RE1	7440-66-6	SW6020B	12/27/2023 11:15	01/05/2024 13:51	92100		29900	29900	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	06	630-20-6	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
1,1,1-Trichloroethane	06	71-55-6	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	06	79-34-5	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
1,1,2-Trichloroethane	06	79-00-5	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
1,1-Dichloroethane	06	75-34-3	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
1,1-Dichloroethylene	06	75-35-4	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB

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Client Sample ID: **BG-3-12"** **Laboratory Sample ID:** **23L1295-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	06	563-58-6	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	06	87-61-6	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
1,2,3-Trichloropropane	06	96-18-4	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	06	120-82-1	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	06	95-63-6	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	06	96-12-8	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	06	106-93-4	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
1,2-Dichlorobenzene	06	95-50-1	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
1,2-Dichloroethane	06	107-06-2	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
1,2-Dichloropropane	06	78-87-5	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	06	108-67-8	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
1,3-Dichlorobenzene	06	541-73-1	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
1,3-Dichloropropane	06	142-28-9	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
1,4-Dichlorobenzene	06	106-46-7	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
2,2-Dichloropropane	06	594-20-7	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
2-Butanone (MEK)	06	78-93-3	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
2-Chlorotoluene	06	95-49-8	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
2-Hexanone (MBK)	06	591-78-6	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
4-Chlorotoluene	06	106-43-4	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
4-Isopropyltoluene	06	99-87-6	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	06	108-10-1	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
Acetone	06	67-64-1	SW8260D	12/22/2023 13:43	12/22/2023 13:43	70.9		12.5	12.5	1	ug/kg dry	RJB
Benzene	06	71-43-2	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
Bromobenzene	06	108-86-1	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-3-12"** **Laboratory Sample ID:** **23L1295-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	06	74-97-5	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
Bromodichloromethane	06	75-27-4	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
Bromoform	06	75-25-2	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
Bromomethane	06	74-83-9	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
Carbon disulfide	06	75-15-0	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
Carbon tetrachloride	06	56-23-5	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
Chlorobenzene	06	108-90-7	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
Chloroethane	06	75-00-3	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
Chloroform	06	67-66-3	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
Chloromethane	06	74-87-3	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	06	156-59-2	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	06	10061-01-5	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
Dibromochloromethane	06	124-48-1	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
Dibromomethane	06	74-95-3	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
Dichlorodifluoromethane	06	75-71-8	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	06	108-20-3	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
Ethylbenzene	06	100-41-4	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
Hexachlorobutadiene	06	87-68-3	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
Iodomethane	06	74-88-4	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		12.5	12.5	1	ug/kg dry	RJB
Isopropylbenzene	06	98-82-8	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
m+p-Xylenes	06	179601-23-1	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
Methylene chloride	06	75-09-2	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	06	1634-04-4	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB

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Client Sample ID: **BG-3-12"** **Laboratory Sample ID:** **23L1295-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	06	91-20-3	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
n-Butylbenzene	06	104-51-8	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
n-Propylbenzene	06	103-65-1	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
o-Xylene	06	95-47-6	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
sec-Butylbenzene	06	135-98-8	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
Styrene	06	100-42-5	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
tert-Butylbenzene	06	98-06-6	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	06	127-18-4	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
Toluene	06	108-88-3	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	06	156-60-5	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	06	10061-02-6	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
Trichloroethylene	06	79-01-6	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
Trichlorofluoromethane	06	75-69-4	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
Vinyl acetate	06	108-05-4	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	12.5	1	ug/kg dry	RJB
Vinyl chloride	06	75-01-4	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		6.23	6.23	1	ug/kg dry	RJB
Xylenes, Total	06	1330-20-7	SW8260D	12/22/2023 13:43	12/22/2023 13:43	BLOD		18.7	18.7	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*06*		*108 %*	*80-120*	*12/22/2023 13:43*	*12/22/2023 13:43*						
Surr: 4-Bromofluorobenzene (Surr)	*06*		*96.0 %*	*85-120*	*12/22/2023 13:43*	*12/22/2023 13:43*						
Surr: Dibromofluoromethane (Surr)	*06*		*102 %*	*80-130*	*12/22/2023 13:43*	*12/22/2023 13:43*						
Surr: Toluene-d8 (Surr)	*06*		*99.7 %*	*85-115*	*12/22/2023 13:43*	*12/22/2023 13:43*						

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Client Sample ID: **BG-3-12"** **Laboratory Sample ID:** **23L1295-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	06	123-91-1	SW8270E SIM	12/22/2023 08:45	12/26/2023 18:49	BLOD		8.54	8.54	2	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*06*	*71.2 %*	*35-100*	*12/22/2023 08:45*	*12/26/2023 18:49*							
1,2,4,5-Tetrachlorobenzene	06	95-94-3	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
1,2,4-Trichlorobenzene	06	120-82-1	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
1,2-Dichlorobenzene	06	95-50-1	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
1,2-Diphenylhydrazine	06	122-66-7	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
1,3-Dichlorobenzene	06	541-73-1	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
1,3-Dinitrobenzene	06	99-65-0	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
1,4-Dichlorobenzene	06	106-46-7	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
1-Chloronaphthalene	06	90-13-1	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
1-Naphthylamine	06	134-32-7	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
2,3,4,6-Tetrachlorophenol	06	58-90-2	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
2,4,5-Trichlorophenol	06	95-95-4	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
2,4,6-Trichlorophenol	06	88-06-2	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
2,4-Dichlorophenol	06	120-83-2	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
2,4-Dimethylphenol	06	105-67-9	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
2,4-Dinitrophenol	06	51-28-5	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
2,4-Dinitrotoluene	06	121-14-2	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
2,6-Dichlorophenol	06	87-65-0	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
2,6-Dinitrotoluene	06	606-20-2	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
2-Chloronaphthalene	06	91-58-7	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
2-Chlorophenol	06	95-57-8	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
2-Methylnaphthalene	06	91-57-6	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-3-12"** **Laboratory Sample ID:** **23L1295-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	06	91-59-8	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
2-Nitroaniline	06	88-74-4	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
2-Nitrophenol	06	88-75-5	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
3,3'-Dichlorobenzidine	06	91-94-1	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
3-Methylcholanthrene	06	56-49-5	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
3-Nitroaniline	06	99-09-2	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
4,6-Dinitro-2-methylphenol	06	534-52-1	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
4-Aminobiphenyl	06	92-67-1	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
4-Bromophenyl phenyl ether	06	101-55-3	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
4-Chloroaniline	06	106-47-8	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
4-Chlorophenyl phenyl ether	06	7005-72-3	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
4-Nitroaniline	06	100-01-6	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
4-Nitrophenol	06	100-02-7	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
7,12-Dimethylbenz (a) anthracene	06	57-97-6	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Acenaphthene	06	83-32-9	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Acenaphthylene	06	208-96-8	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Acetophenone	06	98-86-2	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Aniline	06	62-53-3	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Anthracene	06	120-12-7	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Benzidine	06	92-87-5	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Benzo (a) anthracene	06	56-55-3	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Benzo (a) pyrene	06	50-32-8	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Benzo (b) fluoranthene	06	205-99-2	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Benzo (g,h,i) perylene	06	191-24-2	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-3-12"** **Laboratory Sample ID:** **23L1295-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	06	207-08-9	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Benzoic acid	06	65-85-0	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Benzyl alcohol	06	100-51-6	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
bis (2-Chloroethoxy) methane	06	111-91-1	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
bis (2-Chloroethyl) ether	06	111-44-4	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
2,2'-Oxybis (1-chloropropane)	06	108-60-1	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
bis (2-Ethylhexyl) phthalate	06	117-81-7	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Butyl benzyl phthalate	06	85-68-7	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Chrysene	06	218-01-9	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Dibenz (a,h) anthracene	06	53-70-3	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Dibenz (a,j) acridine	06	224-42-0	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Dibenzofuran	06	132-64-9	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Diethyl phthalate	06	84-66-2	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Dimethyl phthalate	06	131-11-3	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Di-n-butyl phthalate	06	84-74-2	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Di-n-octyl phthalate	06	117-84-0	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Diphenylamine	06	122-39-4	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Ethyl methanesulfonate	06	62-50-0	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Fluoranthene	06	206-44-0	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Fluorene	06	86-73-7	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Hexachlorobenzene	06	118-74-1	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Hexachlorobutadiene	06	87-68-3	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Hexachlorocyclopentadiene	06	77-47-4	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Hexachloroethane	06	67-72-1	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-3-12"** **Laboratory Sample ID:** **23L1295-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	06	193-39-5	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Isophorone	06	78-59-1	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
m+p-Cresols	06	1319-77-3	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Methyl methanesulfonate	06	66-27-3	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Naphthalene	06	91-20-3	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Nitrobenzene	06	98-95-3	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
n-Nitrosodimethylamine	06	62-75-9	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD	C	427	427	4	ug/kg dry	ZDR
n-Nitrosodi-n-butylamine	06	924-16-3	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
n-Nitrosodi-n-propylamine	06	621-64-7	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
n-Nitrosodiphenylamine	06	86-30-6	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
n-Nitrosopiperidine	06	100-75-4	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
o+m+p-Cresols	06	1319-77-3	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
o-Cresol	06	95-48-7	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
p-(Dimethylamino) azobenzene	06	60-11-7	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
p-Chloro-m-cresol	06	59-50-7	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Pentachloronitrobenzene (quintozene)	06	82-68-8	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Pentachlorophenol	06	87-86-5	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Phenacetin	06	62-44-2	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Phenanthrene	06	85-01-8	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Phenol	06	108-95-2	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Pronamide	06	23950-58-5	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Pyrene	06	129-00-0	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Pyridine	06	110-86-1	SW8270E	12/22/2023 08:45	12/28/2023 23:37	BLOD		427	427	4	ug/kg dry	ZDR
Surr: 2,4,6-Tribromophenol (Surr)	*06*	*37.0 %*	*15-96*	*12/22/2023 08:45*	*12/28/2023 23:37*							

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Client Sample ID: **BG-3-12"** **Laboratory Sample ID:** **23L1295-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*06*		*26.9 %*	*19-105*	*12/22/2023 08:45*	*12/28/2023 23:37*						
Surr: 2-Fluorophenol (Surr)	*06*		*19.6 %*	*12-95*	*12/22/2023 08:45*	*12/28/2023 23:37*						
Surr: Nitrobenzene-d5 (Surr)	*06*		*51.0 %*	*21-100*	*12/22/2023 08:45*	*12/28/2023 23:37*						
Surr: Phenol-d5 (Surr)	*06*		*56.1 %*	*13-100*	*12/22/2023 08:45*	*12/28/2023 23:37*						
Surr: p-Terphenyl-d14 (Surr)	*06*		*35.9 %*	*25-125*	*12/22/2023 08:45*	*12/28/2023 23:37*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	06	14808-79-8	SW9056A	12/22/2023 10:00	12/22/2023 10:00	8.32	J	3.26	13.0	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	06	7664-41-7	EPA350.1 R2.0	01/05/2024 15:22	01/05/2024 15:22	BLOD		12.9	12.9	1	mg/kg dry	LAM
Chromium, Hexavalent	06	18540-29-9	SW7199	01/04/2024 09:00	01/04/2024 20:59	1.56		0.26	0.26	1	mg/kg dry	MGC
Nitrate as N	06	14797-55-8	SW9056A	12/22/2023 10:00	12/22/2023 10:00	BLOD		1.30	2.61	1	mg/kg dry	ATG
Percent Solids	06	NA	SM2540G-2011	12/26/2023 16:15	12/26/2023 16:15	76.7		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-4-6"** **Laboratory Sample ID:** **23L1295-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	07	7440-22-4	SW6020B	12/27/2023 11:15	01/05/2024 12:41	39.5		3.10	3.10	1	ug/kg dry	AB
Arsenic	07	7440-38-2	SW6020B	12/27/2023 11:15	01/05/2024 12:41	2300		62.0	62.0	1	ug/kg dry	AB
Barium	07RE1	7440-39-3	SW6020B	12/27/2023 11:15	01/05/2024 13:53	76900		62000	62000	100	ug/kg dry	AB
Beryllium	07	7440-41-7	SW6020B	12/27/2023 11:15	01/05/2024 12:41	658		62.0	62.0	1	ug/kg dry	AB
Cadmium	07	7440-43-9	SW6020B	12/27/2023 11:15	01/05/2024 12:41	265		62.0	62.0	1	ug/kg dry	AB
Cobalt	07	7440-48-4	SW6020B	12/27/2023 11:15	01/05/2024 12:41	10900		62.0	62.0	1	ug/kg dry	AB
Chromium	07RE1	7440-47-3	SW6020B	12/27/2023 11:15	01/05/2024 13:53	64400		6200	6200	100	ug/kg dry	AB
Copper	07RE1	7440-50-8	SW6020B	12/27/2023 11:15	01/05/2024 13:53	59800		6200	6200	100	ug/kg dry	AB
Mercury	07	7439-97-6	SW7471B	01/05/2024 10:13	01/05/2024 14:26	0.074		0.011	0.011	1	mg/kg dry	ACM
Manganese	07RE1	7439-96-5	SW6020B	12/27/2023 11:15	01/05/2024 13:53	535000		6200	6200	100	ug/kg dry	AB
Nickel	07	7440-02-0	SW6020B	12/27/2023 11:15	01/05/2024 12:41	14000		62.0	62.0	1	ug/kg dry	AB
Lead	07RE1	7439-92-1	SW6020B	12/27/2023 11:15	01/05/2024 13:53	38200		6200	6200	100	ug/kg dry	AB
Antimony	07	7440-36-0	SW6020B	12/27/2023 11:15	01/05/2024 12:41	83.3		62.0	62.0	1	ug/kg dry	AB
Selenium	07	7782-49-2	SW6020B	12/27/2023 11:15	01/05/2024 12:41	1770		62.0	62.0	1	ug/kg dry	AB
Thallium	07	7440-28-0	SW6020B	12/27/2023 11:15	01/05/2024 12:41	81.5		62.0	62.0	1	ug/kg dry	AB
Vanadium	07RE1	7440-62-2	SW6020B	12/27/2023 11:15	01/05/2024 13:53	131000		31000	31000	100	ug/kg dry	AB
Zinc	07RE1	7440-66-6	SW6020B	12/27/2023 11:15	01/05/2024 13:53	77000		31000	31000	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	07	630-20-6	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
1,1,1-Trichloroethane	07	71-55-6	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	07	79-34-5	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
1,1,2-Trichloroethane	07	79-00-5	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
1,1-Dichloroethane	07	75-34-3	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
1,1-Dichloroethylene	07	75-35-4	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-4-6"** **Laboratory Sample ID:** **23L1295-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	07	563-58-6	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	07	87-61-6	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
1,2,3-Trichloropropane	07	96-18-4	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	07	120-82-1	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	07	95-63-6	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	07	96-12-8	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	07	106-93-4	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
1,2-Dichlorobenzene	07	95-50-1	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
1,2-Dichloroethane	07	107-06-2	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
1,2-Dichloropropane	07	78-87-5	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	07	108-67-8	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
1,3-Dichlorobenzene	07	541-73-1	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
1,3-Dichloropropane	07	142-28-9	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
1,4-Dichlorobenzene	07	106-46-7	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
2,2-Dichloropropane	07	594-20-7	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
2-Butanone (MEK)	07	78-93-3	SW8260D	12/22/2023 14:07	12/22/2023 14:07	6.82		6.78	6.78	1	ug/kg dry	RJB
2-Chlorotoluene	07	95-49-8	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
2-Hexanone (MBK)	07	591-78-6	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
4-Chlorotoluene	07	106-43-4	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
4-Isopropyltoluene	07	99-87-6	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	07	108-10-1	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
Acetone	07	67-64-1	SW8260D	12/22/2023 14:07	12/22/2023 14:07	123		13.6	13.6	1	ug/kg dry	RJB
Benzene	07	71-43-2	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
Bromobenzene	07	108-86-1	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB

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Client Sample ID: **BG-4-6"** **Laboratory Sample ID:** **23L1295-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	07	74-97-5	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
Bromodichloromethane	07	75-27-4	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
Bromoform	07	75-25-2	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
Bromomethane	07	74-83-9	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
Carbon disulfide	07	75-15-0	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
Carbon tetrachloride	07	56-23-5	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
Chlorobenzene	07	108-90-7	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
Chloroethane	07	75-00-3	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
Chloroform	07	67-66-3	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
Chloromethane	07	74-87-3	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	07	156-59-2	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	07	10061-01-5	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
Dibromochloromethane	07	124-48-1	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
Dibromomethane	07	74-95-3	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
Dichlorodifluoromethane	07	75-71-8	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	07	108-20-3	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
Ethylbenzene	07	100-41-4	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
Hexachlorobutadiene	07	87-68-3	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
Iodomethane	07	74-88-4	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		13.6	13.6	1	ug/kg dry	RJB
Isopropylbenzene	07	98-82-8	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
m+p-Xylenes	07	179601-23-1	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
Methylene chloride	07	75-09-2	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	07	1634-04-4	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB

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Client Sample ID: **BG-4-6"** **Laboratory Sample ID:** **23L1295-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	07	91-20-3	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
n-Butylbenzene	07	104-51-8	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
n-Propylbenzene	07	103-65-1	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
o-Xylene	07	95-47-6	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
sec-Butylbenzene	07	135-98-8	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
Styrene	07	100-42-5	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
tert-Butylbenzene	07	98-06-6	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	07	127-18-4	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
Toluene	07	108-88-3	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	07	156-60-5	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	07	10061-02-6	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
Trichloroethylene	07	79-01-6	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
Trichlorofluoromethane	07	75-69-4	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
Vinyl acetate	07	108-05-4	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	13.6	1	ug/kg dry	RJB
Vinyl chloride	07	75-01-4	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		6.78	6.78	1	ug/kg dry	RJB
Xylenes, Total	07	1330-20-7	SW8260D	12/22/2023 14:07	12/22/2023 14:07	BLOD		20.3	20.3	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*07*		*110 %*	*80-120*	*12/22/2023 14:07*	*12/22/2023 14:07*						
Surr: 4-Bromofluorobenzene (Surr)	*07*		*95.6 %*	*85-120*	*12/22/2023 14:07*	*12/22/2023 14:07*						
Surr: Dibromofluoromethane (Surr)	*07*		*102 %*	*80-130*	*12/22/2023 14:07*	*12/22/2023 14:07*						
Surr: Toluene-d8 (Surr)	*07*		*101 %*	*85-115*	*12/22/2023 14:07*	*12/22/2023 14:07*						

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Client Sample ID: **BG-4-6"** **Laboratory Sample ID:** **23L1295-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	07	123-91-1	SW8270E SIM	12/22/2023 08:45	12/26/2023 19:15	BLOD		4.44	4.44	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*07*	*71.6 %*	*35-100*	*12/22/2023 08:45*	*12/26/2023 19:15*							
1,2,4,5-Tetrachlorobenzene	07	95-94-3	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
1,2,4-Trichlorobenzene	07	120-82-1	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
1,2-Dichlorobenzene	07	95-50-1	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
1,2-Diphenylhydrazine	07	122-66-7	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
1,3-Dichlorobenzene	07	541-73-1	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
1,3-Dinitrobenzene	07	99-65-0	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
1,4-Dichlorobenzene	07	106-46-7	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
1-Chloronaphthalene	07	90-13-1	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
1-Naphthylamine	07	134-32-7	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
2,3,4,6-Tetrachlorophenol	07	58-90-2	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
2,4,5-Trichlorophenol	07	95-95-4	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
2,4,6-Trichlorophenol	07	88-06-2	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
2,4-Dichlorophenol	07	120-83-2	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
2,4-Dimethylphenol	07	105-67-9	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
2,4-Dinitrophenol	07	51-28-5	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
2,4-Dinitrotoluene	07	121-14-2	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
2,6-Dichlorophenol	07	87-65-0	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
2,6-Dinitrotoluene	07	606-20-2	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
2-Chloronaphthalene	07	91-58-7	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
2-Chlorophenol	07	95-57-8	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
2-Methylnaphthalene	07	91-57-6	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	07	91-59-8	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
2-Nitroaniline	07	88-74-4	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
2-Nitrophenol	07	88-75-5	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
3,3'-Dichlorobenzidine	07	91-94-1	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
3-Methylcholanthrene	07	56-49-5	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
3-Nitroaniline	07	99-09-2	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
4,6-Dinitro-2-methylphenol	07	534-52-1	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
4-Aminobiphenyl	07	92-67-1	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
4-Bromophenyl phenyl ether	07	101-55-3	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
4-Chloroaniline	07	106-47-8	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
4-Chlorophenyl phenyl ether	07	7005-72-3	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
4-Nitroaniline	07	100-01-6	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
4-Nitrophenol	07	100-02-7	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
7,12-Dimethylbenz (a) anthracene	07	57-97-6	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Acenaphthene	07	83-32-9	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Acenaphthylene	07	208-96-8	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Acetophenone	07	98-86-2	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Aniline	07	62-53-3	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Anthracene	07	120-12-7	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Benzidine	07	92-87-5	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Benzo (a) anthracene	07	56-55-3	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Benzo (a) pyrene	07	50-32-8	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Benzo (b) fluoranthene	07	205-99-2	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Benzo (g,h,i) perylene	07	191-24-2	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-4-6"** **Laboratory Sample ID:** **23L1295-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	07	207-08-9	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Benzoic acid	07	65-85-0	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Benzyl alcohol	07	100-51-6	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
bis (2-Chloroethoxy) methane	07	111-91-1	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
bis (2-Chloroethyl) ether	07	111-44-4	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
2,2'-Oxybis (1-chloropropane)	07	108-60-1	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
bis (2-Ethylhexyl) phthalate	07	117-81-7	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Butyl benzyl phthalate	07	85-68-7	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Chrysene	07	218-01-9	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Dibenz (a,h) anthracene	07	53-70-3	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Dibenz (a,j) acridine	07	224-42-0	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Dibenzofuran	07	132-64-9	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Diethyl phthalate	07	84-66-2	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Dimethyl phthalate	07	131-11-3	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Di-n-butyl phthalate	07	84-74-2	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Di-n-octyl phthalate	07	117-84-0	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Diphenylamine	07	122-39-4	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Ethyl methanesulfonate	07	62-50-0	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Fluoranthene	07	206-44-0	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Fluorene	07	86-73-7	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Hexachlorobenzene	07	118-74-1	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Hexachlorobutadiene	07	87-68-3	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Hexachlorocyclopentadiene	07	77-47-4	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Hexachloroethane	07	67-72-1	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR

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Client Sample ID: **BG-4-6"** **Laboratory Sample ID:** **23L1295-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	07	193-39-5	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Isophorone	07	78-59-1	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
m+p-Cresols	07	1319-77-3	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Methyl methanesulfonate	07	66-27-3	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Naphthalene	07	91-20-3	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Nitrobenzene	07	98-95-3	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
n-Nitrosodimethylamine	07	62-75-9	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD	C	444	444	4	ug/kg dry	ZDR
n-Nitrosodi-n-butylamine	07	924-16-3	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
n-Nitrosodi-n-propylamine	07	621-64-7	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
n-Nitrosodiphenylamine	07	86-30-6	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
n-Nitrosopiperidine	07	100-75-4	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
o+m+p-Cresols	07	1319-77-3	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
o-Cresol	07	95-48-7	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
p-(Dimethylamino) azobenzene	07	60-11-7	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
p-Chloro-m-cresol	07	59-50-7	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Pentachloronitrobenzene (quintozene)	07	82-68-8	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Pentachlorophenol	07	87-86-5	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Phenacetin	07	62-44-2	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Phenanthrene	07	85-01-8	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Phenol	07	108-95-2	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Pronamide	07	23950-58-5	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Pyrene	07	129-00-0	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Pyridine	07	110-86-1	SW8270E	12/22/2023 08:45	12/29/2023 00:07	BLOD		444	444	4	ug/kg dry	ZDR
Surr: 2,4,6-Tribromophenol (Surr)	*07*	*49.9 %*	*15-96*	*12/22/2023 08:45*	*12/29/2023 00:07*							

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Client Sample ID: **BG-4-6"** **Laboratory Sample ID:** **23L1295-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*07*		*46.3 %*	*19-105*	*12/22/2023 08:45*	*12/29/2023 00:07*						
Surr: 2-Fluorophenol (Surr)	*07*		*16.5 %*	*12-95*	*12/22/2023 08:45*	*12/29/2023 00:07*						
Surr: Nitrobenzene-d5 (Surr)	*07*		*56.7 %*	*21-100*	*12/22/2023 08:45*	*12/29/2023 00:07*						
Surr: Phenol-d5 (Surr)	*07*		*59.4 %*	*13-100*	*12/22/2023 08:45*	*12/29/2023 00:07*						
Surr: p-Terphenyl-d14 (Surr)	*07*		*49.3 %*	*25-125*	*12/22/2023 08:45*	*12/29/2023 00:07*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	07	14808-79-8	SW9056A	12/22/2023 10:00	12/22/2023 10:00	43.0		3.34	13.4	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	07	7664-41-7	EPA350.1 R2.0	01/05/2024 15:22	01/05/2024 15:22	BLOD		12.5	12.5	1	mg/kg dry	LAM
Chromium, Hexavalent	07	18540-29-9	SW7199	01/04/2024 09:00	01/04/2024 21:26	0.38		0.27	0.27	1	mg/kg dry	MGC
Nitrate as N	07	14797-55-8	SW9056A	12/22/2023 10:00	12/22/2023 10:00	1.47	J	1.34	2.67	1	mg/kg dry	ATG
Percent Solids	07	NA	SM2540G-2011	12/26/2023 16:15	12/26/2023 16:15	74.8		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-4-12"** **Laboratory Sample ID:** **23L1295-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	08	7440-22-4	SW6020B	12/27/2023 11:15	01/05/2024 12:44	140		3.03	3.03	1	ug/kg dry	AB
Arsenic	08	7440-38-2	SW6020B	12/27/2023 11:15	01/05/2024 12:44	2820		60.6	60.6	1	ug/kg dry	AB
Barium	08RE1	7440-39-3	SW6020B	12/27/2023 11:15	01/05/2024 14:04	145000		60600	60600	100	ug/kg dry	AB
Beryllium	08	7440-41-7	SW6020B	12/27/2023 11:15	01/05/2024 12:44	587		60.6	60.6	1	ug/kg dry	AB
Cadmium	08	7440-43-9	SW6020B	12/27/2023 11:15	01/05/2024 12:44	480		60.6	60.6	1	ug/kg dry	AB
Cobalt	08	7440-48-4	SW6020B	12/27/2023 11:15	01/05/2024 12:44	17500		60.6	60.6	1	ug/kg dry	AB
Chromium	08RE1	7440-47-3	SW6020B	12/27/2023 11:15	01/05/2024 14:04	63700		6060	6060	100	ug/kg dry	AB
Copper	08RE1	7440-50-8	SW6020B	12/27/2023 11:15	01/05/2024 14:04	95700		6060	6060	100	ug/kg dry	AB
Mercury	08	7439-97-6	SW7471B	01/05/2024 10:13	01/05/2024 14:28	0.050		0.009	0.009	1	mg/kg dry	ACM
Manganese	08RE1	7439-96-5	SW6020B	12/27/2023 11:15	01/05/2024 14:04	500000		6060	6060	100	ug/kg dry	AB
Nickel	08	7440-02-0	SW6020B	12/27/2023 11:15	01/05/2024 12:44	21700		60.6	60.6	1	ug/kg dry	AB
Lead	08RE1	7439-92-1	SW6020B	12/27/2023 11:15	01/05/2024 14:04	203000		6060	6060	100	ug/kg dry	AB
Antimony	08	7440-36-0	SW6020B	12/27/2023 11:15	01/05/2024 12:44	355		60.6	60.6	1	ug/kg dry	AB
Selenium	08	7782-49-2	SW6020B	12/27/2023 11:15	01/05/2024 12:44	2360		60.6	60.6	1	ug/kg dry	AB
Thallium	08	7440-28-0	SW6020B	12/27/2023 11:15	01/05/2024 12:44	104		60.6	60.6	1	ug/kg dry	AB
Vanadium	08RE1	7440-62-2	SW6020B	12/27/2023 11:15	01/05/2024 14:04	107000		30300	30300	100	ug/kg dry	AB
Zinc	08RE1	7440-66-6	SW6020B	12/27/2023 11:15	01/05/2024 14:04	131000		30300	30300	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	08	630-20-6	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
1,1,1-Trichloroethane	08	71-55-6	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	08	79-34-5	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
1,1,2-Trichloroethane	08	79-00-5	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
1,1-Dichloroethane	08	75-34-3	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
1,1-Dichloroethylene	08	75-35-4	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB

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Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	08	563-58-6	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	08	87-61-6	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
1,2,3-Trichloropropane	08	96-18-4	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	08	120-82-1	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	08	95-63-6	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	08	96-12-8	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	08	106-93-4	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
1,2-Dichlorobenzene	08	95-50-1	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
1,2-Dichloroethane	08	107-06-2	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
1,2-Dichloropropane	08	78-87-5	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	08	108-67-8	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
1,3-Dichlorobenzene	08	541-73-1	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
1,3-Dichloropropane	08	142-28-9	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
1,4-Dichlorobenzene	08	106-46-7	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
2,2-Dichloropropane	08	594-20-7	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
2-Butanone (MEK)	08	78-93-3	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
2-Chlorotoluene	08	95-49-8	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
2-Hexanone (MBK)	08	591-78-6	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
4-Chlorotoluene	08	106-43-4	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
4-Isopropyltoluene	08	99-87-6	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	08	108-10-1	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
Acetone	08	67-64-1	SW8260D	12/22/2023 14:30	12/22/2023 14:30	35.0		10.4	10.4	1	ug/kg dry	RJB
Benzene	08	71-43-2	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
Bromobenzene	08	108-86-1	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-4-12"** **Laboratory Sample ID:** **23L1295-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	08	74-97-5	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
Bromodichloromethane	08	75-27-4	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
Bromoform	08	75-25-2	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
Bromomethane	08	74-83-9	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
Carbon disulfide	08	75-15-0	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
Carbon tetrachloride	08	56-23-5	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
Chlorobenzene	08	108-90-7	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
Chloroethane	08	75-00-3	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
Chloroform	08	67-66-3	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
Chloromethane	08	74-87-3	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	08	156-59-2	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	08	10061-01-5	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
Dibromochloromethane	08	124-48-1	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
Dibromomethane	08	74-95-3	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
Dichlorodifluoromethane	08	75-71-8	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	08	108-20-3	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
Ethylbenzene	08	100-41-4	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
Hexachlorobutadiene	08	87-68-3	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
Iodomethane	08	74-88-4	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		10.4	10.4	1	ug/kg dry	RJB
Isopropylbenzene	08	98-82-8	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
m+p-Xylenes	08	179601-23-1	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
Methylene chloride	08	75-09-2	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	08	1634-04-4	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-4-12"** **Laboratory Sample ID:** **23L1295-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	08	91-20-3	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
n-Butylbenzene	08	104-51-8	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
n-Propylbenzene	08	103-65-1	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
o-Xylene	08	95-47-6	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
sec-Butylbenzene	08	135-98-8	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
Styrene	08	100-42-5	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
tert-Butylbenzene	08	98-06-6	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	08	127-18-4	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
Toluene	08	108-88-3	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	08	156-60-5	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	08	10061-02-6	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
Trichloroethylene	08	79-01-6	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
Trichlorofluoromethane	08	75-69-4	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
Vinyl acetate	08	108-05-4	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	10.4	1	ug/kg dry	RJB
Vinyl chloride	08	75-01-4	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		5.19	5.19	1	ug/kg dry	RJB
Xylenes, Total	08	1330-20-7	SW8260D	12/22/2023 14:30	12/22/2023 14:30	BLOD		15.6	15.6	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*08*		*109 %*	*80-120*	*12/22/2023 14:30*	*12/22/2023 14:30*						
Surr: 4-Bromofluorobenzene (Surr)	*08*		*96.6 %*	*85-120*	*12/22/2023 14:30*	*12/22/2023 14:30*						
Surr: Dibromofluoromethane (Surr)	*08*		*104 %*	*80-130*	*12/22/2023 14:30*	*12/22/2023 14:30*						
Surr: Toluene-d8 (Surr)	*08*		*101 %*	*85-115*	*12/22/2023 14:30*	*12/22/2023 14:30*						

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Client Sample ID: **BG-4-12"** **Laboratory Sample ID:** **23L1295-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	08	123-91-1	SW8270E SIM	12/27/2023 12:40	12/28/2023 17:59	BLOD		4.11	4.11	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*08*	*60.4 %*	*35-100*	*12/27/2023 12:40*	*12/28/2023 17:59*							
1,2,4,5-Tetrachlorobenzene	08	95-94-3	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
1,2,4-Trichlorobenzene	08	120-82-1	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
1,2-Dichlorobenzene	08	95-50-1	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
1,2-Diphenylhydrazine	08	122-66-7	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
1,3-Dichlorobenzene	08	541-73-1	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
1,3-Dinitrobenzene	08	99-65-0	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
1,4-Dichlorobenzene	08	106-46-7	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
1-Chloronaphthalene	08	90-13-1	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
1-Naphthylamine	08	134-32-7	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
2,3,4,6-Tetrachlorophenol	08	58-90-2	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
2,4,5-Trichlorophenol	08	95-95-4	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
2,4,6-Trichlorophenol	08	88-06-2	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
2,4-Dichlorophenol	08	120-83-2	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
2,4-Dimethylphenol	08	105-67-9	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
2,4-Dinitrophenol	08	51-28-5	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
2,4-Dinitrotoluene	08	121-14-2	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
2,6-Dichlorophenol	08	87-65-0	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
2,6-Dinitrotoluene	08	606-20-2	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
2-Chloronaphthalene	08	91-58-7	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
2-Chlorophenol	08	95-57-8	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
2-Methylnaphthalene	08	91-57-6	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR

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Client Sample ID: **BG-4-12"** **Laboratory Sample ID:** **23L1295-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	08	91-59-8	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
2-Nitroaniline	08	88-74-4	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
2-Nitrophenol	08	88-75-5	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
3,3'-Dichlorobenzidine	08	91-94-1	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
3-Methylcholanthrene	08	56-49-5	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
3-Nitroaniline	08	99-09-2	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
4,6-Dinitro-2-methylphenol	08	534-52-1	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
4-Aminobiphenyl	08	92-67-1	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
4-Bromophenyl phenyl ether	08	101-55-3	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
4-Chloroaniline	08	106-47-8	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
4-Chlorophenyl phenyl ether	08	7005-72-3	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
4-Nitroaniline	08	100-01-6	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
4-Nitrophenol	08	100-02-7	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
7,12-Dimethylbenz (a) anthracene	08	57-97-6	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Acenaphthene	08	83-32-9	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Acenaphthylene	08	208-96-8	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Acetophenone	08	98-86-2	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Aniline	08	62-53-3	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Anthracene	08	120-12-7	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Benzidine	08	92-87-5	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Benzo (a) anthracene	08	56-55-3	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Benzo (a) pyrene	08	50-32-8	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Benzo (b) fluoranthene	08	205-99-2	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Benzo (g,h,i) perylene	08	191-24-2	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD	C	103	103	1	ug/kg dry	ZDR

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	08	207-08-9	SW8270E	12/27/2023 12:40	12/28/2023 15:06	126		103	103	1	ug/kg dry	ZDR
Benzoic acid	08	65-85-0	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD	C	103	103	1	ug/kg dry	ZDR
Benzyl alcohol	08	100-51-6	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
bis (2-Chloroethoxy) methane	08	111-91-1	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
bis (2-Chloroethyl) ether	08	111-44-4	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
2,2'-Oxybis (1-chloropropane)	08	108-60-1	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
bis (2-Ethylhexyl) phthalate	08	117-81-7	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Butyl benzyl phthalate	08	85-68-7	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Chrysene	08	218-01-9	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Dibenz (a,h) anthracene	08	53-70-3	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD	C	103	103	1	ug/kg dry	ZDR
Dibenz (a,j) acridine	08	224-42-0	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD	C	103	103	1	ug/kg dry	ZDR
Dibenzofuran	08	132-64-9	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Diethyl phthalate	08	84-66-2	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Dimethyl phthalate	08	131-11-3	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Di-n-butyl phthalate	08	84-74-2	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Di-n-octyl phthalate	08	117-84-0	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Diphenylamine	08	122-39-4	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Ethyl methanesulfonate	08	62-50-0	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Fluoranthene	08	206-44-0	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Fluorene	08	86-73-7	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Hexachlorobenzene	08	118-74-1	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Hexachlorobutadiene	08	87-68-3	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Hexachlorocyclopentadiene	08	77-47-4	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Hexachloroethane	08	67-72-1	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR

Enthalpy Analytical
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Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-4-12"** **Laboratory Sample ID:** **23L1295-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	08	193-39-5	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD	C	103	103	1	ug/kg dry	ZDR
Isophorone	08	78-59-1	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD	C	103	103	1	ug/kg dry	ZDR
m+p-Cresols	08	1319-77-3	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Methyl methanesulfonate	08	66-27-3	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Naphthalene	08	91-20-3	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Nitrobenzene	08	98-95-3	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
n-Nitrosodimethylamine	08	62-75-9	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD	C	103	103	1	ug/kg dry	ZDR
n-Nitrosodi-n-butylamine	08	924-16-3	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
n-Nitrosodi-n-propylamine	08	621-64-7	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
n-Nitrosodiphenylamine	08	86-30-6	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
n-Nitrosopiperidine	08	100-75-4	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
o+m+p-Cresols	08	1319-77-3	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
o-Cresol	08	95-48-7	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
p-(Dimethylamino) azobenzene	08	60-11-7	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
p-Chloro-m-cresol	08	59-50-7	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Pentachloronitrobenzene (quintozene)	08	82-68-8	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Pentachlorophenol	08	87-86-5	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD	C	103	103	1	ug/kg dry	ZDR
Phenacetin	08	62-44-2	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Phenanthrene	08	85-01-8	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Phenol	08	108-95-2	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Pronamide	08	23950-58-5	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Pyrene	08	129-00-0	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD		103	103	1	ug/kg dry	ZDR
Pyridine	08	110-86-1	SW8270E	12/27/2023 12:40	12/28/2023 15:06	BLOD	C	103	103	1	ug/kg dry	ZDR
Surr: 2,4,6-Tribromophenol (Surr)	*08*	*36.8 %*	*15-96*	*12/27/2023 12:40*	*12/28/2023 15:06*							

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*08*		*27.4 %*	*19-105*	*12/27/2023 12:40*	*12/28/2023 15:06*						
Surr: 2-Fluorophenol (Surr)	*08*		*44.0 %*	*12-95*	*12/27/2023 12:40*	*12/28/2023 15:06*						
Surr: Nitrobenzene-d5 (Surr)	*08*		*44.5 %*	*21-100*	*12/27/2023 12:40*	*12/28/2023 15:06*						
Surr: Phenol-d5 (Surr)	*08*		*42.6 %*	*13-100*	*12/27/2023 12:40*	*12/28/2023 15:06*						
Surr: p-Terphenyl-d14 (Surr)	*08*		*47.0 %*	*25-125*	*12/27/2023 12:40*	*12/28/2023 15:06*						

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Ion Chromatography Analyses												
Sulfate	08	14808-79-8	SW9056A	12/22/2023 10:00	12/22/2023 10:00	38.9		3.09	12.3	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	08	7664-41-7	EPA350.1 R2.0	01/05/2024 15:22	01/05/2024 15:22	BLOD		11.6	11.6	1	mg/kg dry	LAM
Chromium, Hexavalent	08	18540-29-9	SW7199	01/04/2024 09:00	01/04/2024 21:53	0.81		0.25	0.25	1	mg/kg dry	MGC
Nitrate as N	08	14797-55-8	SW9056A	12/22/2023 10:00	12/22/2023 10:00	BLOD		1.23	2.47	1	mg/kg dry	ATG
Percent Solids	08	NA	SM2540G-2011	12/22/2023 11:45	12/22/2023 11:45	81.0		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-5-6"** **Laboratory Sample ID:** **23L1295-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	09	7440-22-4	SW6020B	12/27/2023 11:15	01/05/2024 12:47	14.5		2.84	2.84	1	ug/kg dry	AB
Arsenic	09	7440-38-2	SW6020B	12/27/2023 11:15	01/05/2024 12:47	1280		56.8	56.8	1	ug/kg dry	AB
Barium	09RE1	7440-39-3	SW6020B	12/27/2023 11:15	01/05/2024 14:07	BLOD		56800	56800	100	ug/kg dry	AB
Beryllium	09	7440-41-7	SW6020B	12/27/2023 11:15	01/05/2024 12:47	266		56.8	56.8	1	ug/kg dry	AB
Cadmium	09	7440-43-9	SW6020B	12/27/2023 11:15	01/05/2024 12:47	BLOD		56.8	56.8	1	ug/kg dry	AB
Cobalt	09	7440-48-4	SW6020B	12/27/2023 11:15	01/05/2024 12:47	7580		56.8	56.8	1	ug/kg dry	AB
Chromium	09	7440-47-3	SW6020B	12/27/2023 11:15	01/05/2024 12:47	21600		56.8	56.8	1	ug/kg dry	AB
Copper	09	7440-50-8	SW6020B	12/27/2023 11:15	01/05/2024 12:47	11200		56.8	56.8	1	ug/kg dry	AB
Mercury	09	7439-97-6	SW7471B	01/05/2024 10:13	01/05/2024 14:30	0.025		0.009	0.009	1	mg/kg dry	ACM
Manganese	09RE1	7439-96-5	SW6020B	12/27/2023 11:15	01/05/2024 14:07	204000		5680	5680	100	ug/kg dry	AB
Nickel	09	7440-02-0	SW6020B	12/27/2023 11:15	01/05/2024 12:47	6100		56.8	56.8	1	ug/kg dry	AB
Lead	09	7439-92-1	SW6020B	12/27/2023 11:15	01/05/2024 12:47	23500		56.8	56.8	1	ug/kg dry	AB
Antimony	09	7440-36-0	SW6020B	12/27/2023 11:15	01/05/2024 12:47	197		56.8	56.8	1	ug/kg dry	AB
Selenium	09	7782-49-2	SW6020B	12/27/2023 11:15	01/05/2024 12:47	2000		56.8	56.8	1	ug/kg dry	AB
Thallium	09	7440-28-0	SW6020B	12/27/2023 11:15	01/05/2024 12:47	BLOD		56.8	56.8	1	ug/kg dry	AB
Vanadium	09RE1	7440-62-2	SW6020B	12/27/2023 11:15	01/05/2024 14:07	32300		28400	28400	100	ug/kg dry	AB
Zinc	09	7440-66-6	SW6020B	12/27/2023 11:15	01/05/2024 12:47	29600		284	284	1	ug/kg dry	AB

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Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	09	630-20-6	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
1,1,1-Trichloroethane	09	71-55-6	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	09	79-34-5	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
1,1,2-Trichloroethane	09	79-00-5	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
1,1-Dichloroethane	09	75-34-3	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
1,1-Dichloroethylene	09	75-35-4	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
1,1-Dichloropropene	09	563-58-6	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	09	87-61-6	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
1,2,3-Trichloropropane	09	96-18-4	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	09	120-82-1	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	09	95-63-6	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	09	96-12-8	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	09	106-93-4	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
1,2-Dichlorobenzene	09	95-50-1	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
1,2-Dichloroethane	09	107-06-2	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
1,2-Dichloropropane	09	78-87-5	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	09	108-67-8	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
1,3-Dichlorobenzene	09	541-73-1	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
1,3-Dichloropropane	09	142-28-9	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
1,4-Dichlorobenzene	09	106-46-7	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
2,2-Dichloropropane	09	594-20-7	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
2-Butanone (MEK)	09	78-93-3	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
2-Chlorotoluene	09	95-49-8	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
2-Hexanone (MBK)	09	591-78-6	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB

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Client Sample ID: **BG-5-6"** **Laboratory Sample ID:** **23L1295-09**

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Volatile Organic Compounds by GCMS												
4-Chlorotoluene	09	106-43-4	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
4-Isopropyltoluene	09	99-87-6	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	09	108-10-1	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
Acetone	09	67-64-1	SW8260D	12/22/2023 14:53	12/22/2023 14:53	27.1		11.4	11.4	1	ug/kg dry	RJB
Benzene	09	71-43-2	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
Bromobenzene	09	108-86-1	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
Bromochloromethane	09	74-97-5	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
Bromodichloromethane	09	75-27-4	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
Bromoform	09	75-25-2	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
Bromomethane	09	74-83-9	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
Carbon disulfide	09	75-15-0	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
Carbon tetrachloride	09	56-23-5	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
Chlorobenzene	09	108-90-7	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
Chloroethane	09	75-00-3	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
Chloroform	09	67-66-3	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
Chloromethane	09	74-87-3	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	09	156-59-2	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	09	10061-01-5	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
Dibromochloromethane	09	124-48-1	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
Dibromomethane	09	74-95-3	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
Dichlorodifluoromethane	09	75-71-8	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	09	108-20-3	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
Ethylbenzene	09	100-41-4	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
Hexachlorobutadiene	09	87-68-3	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB

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Volatile Organic Compounds by GCMS												
Iodomethane	09	74-88-4	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		11.4	11.4	1	ug/kg dry	RJB
Isopropylbenzene	09	98-82-8	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
m+p-Xylenes	09	179601-23-1	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
Methylene chloride	09	75-09-2	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	09	1634-04-4	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
Naphthalene	09	91-20-3	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
n-Butylbenzene	09	104-51-8	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
n-Propylbenzene	09	103-65-1	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
o-Xylene	09	95-47-6	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
sec-Butylbenzene	09	135-98-8	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
Styrene	09	100-42-5	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
tert-Butylbenzene	09	98-06-6	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	09	127-18-4	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
Toluene	09	108-88-3	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	09	156-60-5	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	09	10061-02-6	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
Trichloroethylene	09	79-01-6	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
Trichlorofluoromethane	09	75-69-4	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
Vinyl acetate	09	108-05-4	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	11.4	1	ug/kg dry	RJB
Vinyl chloride	09	75-01-4	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		5.70	5.70	1	ug/kg dry	RJB
Xylenes, Total	09	1330-20-7	SW8260D	12/22/2023 14:53	12/22/2023 14:53	BLOD		17.1	17.1	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*09*	*111 %*	*80-120*	*12/22/2023 14:53*	*12/22/2023 14:53*							
Surr: 4-Bromofluorobenzene (Surr)	*09*	*93.7 %*	*85-120*	*12/22/2023 14:53*	*12/22/2023 14:53*							
Surr: Dibromofluoromethane (Surr)	*09*	*103 %*	*80-130*	*12/22/2023 14:53*	*12/22/2023 14:53*							

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-5-6"** **Laboratory Sample ID:** **23L1295-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Volatile Organic Compounds by GCMS												
Surr: Toluene-d8 (Surr)	*09*		*85-115*	*12/22/2023 14:53*	*12/22/2023 14:53*	*101 %*						

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Client Sample ID: **BG-5-6"** **Laboratory Sample ID:** **23L1295-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	09	123-91-1	SW8270E SIM	12/27/2023 12:40	12/28/2023 18:25	BLOD		3.95	3.95	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*09*	*64.2 %*	*35-100*	*12/27/2023 12:40*	*12/28/2023 18:25*							
1,2,4,5-Tetrachlorobenzene	09	95-94-3	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
1,2,4-Trichlorobenzene	09	120-82-1	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
1,2-Dichlorobenzene	09	95-50-1	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
1,2-Diphenylhydrazine	09	122-66-7	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
1,3-Dichlorobenzene	09	541-73-1	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
1,3-Dinitrobenzene	09	99-65-0	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
1,4-Dichlorobenzene	09	106-46-7	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
1-Chloronaphthalene	09	90-13-1	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
1-Naphthylamine	09	134-32-7	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
2,3,4,6-Tetrachlorophenol	09	58-90-2	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
2,4,5-Trichlorophenol	09	95-95-4	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
2,4,6-Trichlorophenol	09	88-06-2	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
2,4-Dichlorophenol	09	120-83-2	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
2,4-Dimethylphenol	09	105-67-9	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
2,4-Dinitrophenol	09	51-28-5	SW8270E	12/27/2023 12:40	12/28/2023 15:42	134		98.8	98.8	1	ug/kg dry	ZDR
2,4-Dinitrotoluene	09	121-14-2	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
2,6-Dichlorophenol	09	87-65-0	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
2,6-Dinitrotoluene	09	606-20-2	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
2-Chloronaphthalene	09	91-58-7	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
2-Chlorophenol	09	95-57-8	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
2-Methylnaphthalene	09	91-57-6	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR

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Client Sample ID: **BG-5-6"** **Laboratory Sample ID:** **23L1295-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	09	91-59-8	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
2-Nitroaniline	09	88-74-4	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
2-Nitrophenol	09	88-75-5	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
3,3'-Dichlorobenzidine	09	91-94-1	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
3-Methylcholanthrene	09	56-49-5	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
3-Nitroaniline	09	99-09-2	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
4,6-Dinitro-2-methylphenol	09	534-52-1	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
4-Aminobiphenyl	09	92-67-1	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
4-Bromophenyl phenyl ether	09	101-55-3	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
4-Chloroaniline	09	106-47-8	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
4-Chlorophenyl phenyl ether	09	7005-72-3	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
4-Nitroaniline	09	100-01-6	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
4-Nitrophenol	09	100-02-7	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
7,12-Dimethylbenz (a) anthracene	09	57-97-6	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Acenaphthene	09	83-32-9	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Acenaphthylene	09	208-96-8	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Acetophenone	09	98-86-2	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Aniline	09	62-53-3	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Anthracene	09	120-12-7	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Benzidine	09	92-87-5	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Benzo (a) anthracene	09	56-55-3	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Benzo (a) pyrene	09	50-32-8	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Benzo (b) fluoranthene	09	205-99-2	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Benzo (g,h,i) perylene	09	191-24-2	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD	C	98.8	98.8	1	ug/kg dry	ZDR

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Client Sample ID: **BG-5-6"** **Laboratory Sample ID:** **23L1295-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	09	207-08-9	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Benzoic acid	09	65-85-0	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD	C	98.8	98.8	1	ug/kg dry	ZDR
Benzyl alcohol	09	100-51-6	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
bis (2-Chloroethoxy) methane	09	111-91-1	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
bis (2-Chloroethyl) ether	09	111-44-4	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
2,2'-Oxybis (1-chloropropane)	09	108-60-1	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
bis (2-Ethylhexyl) phthalate	09	117-81-7	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Butyl benzyl phthalate	09	85-68-7	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Chrysene	09	218-01-9	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Dibenz (a,h) anthracene	09	53-70-3	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD	C	98.8	98.8	1	ug/kg dry	ZDR
Dibenz (a,j) acridine	09	224-42-0	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD	C	98.8	98.8	1	ug/kg dry	ZDR
Dibenzofuran	09	132-64-9	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Diethyl phthalate	09	84-66-2	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Dimethyl phthalate	09	131-11-3	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Di-n-butyl phthalate	09	84-74-2	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Di-n-octyl phthalate	09	117-84-0	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Diphenylamine	09	122-39-4	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Ethyl methanesulfonate	09	62-50-0	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Fluoranthene	09	206-44-0	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Fluorene	09	86-73-7	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Hexachlorobenzene	09	118-74-1	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Hexachlorobutadiene	09	87-68-3	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Hexachlorocyclopentadiene	09	77-47-4	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Hexachloroethane	09	67-72-1	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	09	193-39-5	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD	C	98.8	98.8	1	ug/kg dry	ZDR
Isophorone	09	78-59-1	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD	C	98.8	98.8	1	ug/kg dry	ZDR
m+p-Cresols	09	1319-77-3	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Methyl methanesulfonate	09	66-27-3	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Naphthalene	09	91-20-3	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Nitrobenzene	09	98-95-3	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
n-Nitrosodimethylamine	09	62-75-9	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD	C	98.8	98.8	1	ug/kg dry	ZDR
n-Nitrosodi-n-butylamine	09	924-16-3	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
n-Nitrosodi-n-propylamine	09	621-64-7	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
n-Nitrosodiphenylamine	09	86-30-6	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
n-Nitrosopiperidine	09	100-75-4	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
o+m+p-Cresols	09	1319-77-3	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
o-Cresol	09	95-48-7	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
p-(Dimethylamino) azobenzene	09	60-11-7	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
p-Chloro-m-cresol	09	59-50-7	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Pentachloronitrobenzene (quintozene)	09	82-68-8	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Pentachlorophenol	09	87-86-5	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD	C	98.8	98.8	1	ug/kg dry	ZDR
Phenacetin	09	62-44-2	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Phenanthrene	09	85-01-8	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Phenol	09	108-95-2	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Pronamide	09	23950-58-5	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Pyrene	09	129-00-0	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD		98.8	98.8	1	ug/kg dry	ZDR
Pyridine	09	110-86-1	SW8270E	12/27/2023 12:40	12/28/2023 15:42	BLOD	C	98.8	98.8	1	ug/kg dry	ZDR
Surr: 2,4,6-Tribromophenol (Surr)	*09*	*49.0 %*	*15-96*	*12/27/2023 12:40*	*12/28/2023 15:42*							

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-5-6"** **Laboratory Sample ID:** **23L1295-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*09*		*34.7 %*	*19-105*	*12/27/2023 12:40*	*12/28/2023 15:42*						
Surr: 2-Fluorophenol (Surr)	*09*		*55.4 %*	*12-95*	*12/27/2023 12:40*	*12/28/2023 15:42*						
Surr: Nitrobenzene-d5 (Surr)	*09*		*54.2 %*	*21-100*	*12/27/2023 12:40*	*12/28/2023 15:42*						
Surr: Phenol-d5 (Surr)	*09*		*50.7 %*	*13-100*	*12/27/2023 12:40*	*12/28/2023 15:42*						
Surr: p-Terphenyl-d14 (Surr)	*09*		*52.5 %*	*25-125*	*12/27/2023 12:40*	*12/28/2023 15:42*						

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Client Sample ID: **BG-5-6"** **Laboratory Sample ID:** **23L1295-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	09	14808-79-8	SW9056A	12/22/2023 10:00	12/22/2023 10:00	7.77	J	3.01	12.1	1	mg/kg dry	ATG

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Client Sample ID: **BG-5-6"** **Laboratory Sample ID:** **23L1295-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	09	7664-41-7	EPA350.1 R2.0	01/05/2024 15:22	01/05/2024 15:22	BLOD		11.9	11.9	1	mg/kg dry	LAM
Chromium, Hexavalent	09RE1	18540-29-9	SW7199	01/04/2024 09:00	01/05/2024 09:27	BLOD		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	09	14797-55-8	SW9056A	12/22/2023 10:00	12/22/2023 10:00	BLOD		1.21	2.41	1	mg/kg dry	ATG
Percent Solids	09	NA	SM2540G-2011	12/22/2023 11:45	12/22/2023 11:45	82.9		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-5-12"** **Laboratory Sample ID:** **23L1295-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	10	7440-22-4	SW6020B	12/27/2023 11:15	01/05/2024 12:51	12.1		2.76	2.76	1	ug/kg dry	AB
Arsenic	10	7440-38-2	SW6020B	12/27/2023 11:15	01/05/2024 12:51	1320		55.3	55.3	1	ug/kg dry	AB
Barium	10RE1	7440-39-3	SW6020B	12/27/2023 11:15	01/05/2024 14:10	110000		55300	55300	100	ug/kg dry	AB
Beryllium	10	7440-41-7	SW6020B	12/27/2023 11:15	01/05/2024 12:51	425		55.3	55.3	1	ug/kg dry	AB
Cadmium	10	7440-43-9	SW6020B	12/27/2023 11:15	01/05/2024 12:51	BLOD		55.3	55.3	1	ug/kg dry	AB
Cobalt	10	7440-48-4	SW6020B	12/27/2023 11:15	01/05/2024 12:51	8240		55.3	55.3	1	ug/kg dry	AB
Chromium	10	7440-47-3	SW6020B	12/27/2023 11:15	01/05/2024 12:51	21000		55.3	55.3	1	ug/kg dry	AB
Copper	10	7440-50-8	SW6020B	12/27/2023 11:15	01/05/2024 12:51	27600		55.3	55.3	1	ug/kg dry	AB
Mercury	10	7439-97-6	SW7471B	01/05/2024 10:13	01/05/2024 14:33	0.011		0.010	0.010	1	mg/kg dry	ACM
Manganese	10RE1	7439-96-5	SW6020B	12/27/2023 11:15	01/05/2024 14:10	201000		5530	5530	100	ug/kg dry	AB
Nickel	10	7440-02-0	SW6020B	12/27/2023 11:15	01/05/2024 12:51	8320		55.3	55.3	1	ug/kg dry	AB
Lead	10	7439-92-1	SW6020B	12/27/2023 11:15	01/05/2024 12:51	7240		55.3	55.3	1	ug/kg dry	AB
Antimony	10	7440-36-0	SW6020B	12/27/2023 11:15	01/05/2024 12:51	BLOD		55.3	55.3	1	ug/kg dry	AB
Selenium	10	7782-49-2	SW6020B	12/27/2023 11:15	01/05/2024 12:51	3880		55.3	55.3	1	ug/kg dry	AB
Thallium	10	7440-28-0	SW6020B	12/27/2023 11:15	01/05/2024 12:51	BLOD		55.3	55.3	1	ug/kg dry	AB
Vanadium	10RE1	7440-62-2	SW6020B	12/27/2023 11:15	01/05/2024 14:10	81900		27600	27600	100	ug/kg dry	AB
Zinc	10RE1	7440-66-6	SW6020B	12/27/2023 11:15	01/05/2024 14:10	49700		27600	27600	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	10	630-20-6	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
1,1,1-Trichloroethane	10	71-55-6	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	10	79-34-5	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
1,1,2-Trichloroethane	10	79-00-5	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
1,1-Dichloroethane	10	75-34-3	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
1,1-Dichloroethylene	10	75-35-4	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB

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Client Sample ID: **BG-5-12"** **Laboratory Sample ID:** **23L1295-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	10	563-58-6	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	10	87-61-6	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
1,2,3-Trichloropropane	10	96-18-4	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	10	120-82-1	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	10	95-63-6	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	10	96-12-8	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	10	106-93-4	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
1,2-Dichlorobenzene	10	95-50-1	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
1,2-Dichloroethane	10	107-06-2	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
1,2-Dichloropropane	10	78-87-5	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	10	108-67-8	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
1,3-Dichlorobenzene	10	541-73-1	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
1,3-Dichloropropane	10	142-28-9	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
1,4-Dichlorobenzene	10	106-46-7	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
2,2-Dichloropropane	10	594-20-7	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
2-Butanone (MEK)	10	78-93-3	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
2-Chlorotoluene	10	95-49-8	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
2-Hexanone (MBK)	10	591-78-6	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
4-Chlorotoluene	10	106-43-4	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
4-Isopropyltoluene	10	99-87-6	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	10	108-10-1	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
Acetone	10	67-64-1	SW8260D	12/22/2023 15:17	12/22/2023 15:17	17.2		13.8	13.8	1	ug/kg dry	RJB
Benzene	10	71-43-2	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
Bromobenzene	10	108-86-1	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB

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Client Sample ID: **BG-5-12"** **Laboratory Sample ID:** **23L1295-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	10	74-97-5	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
Bromodichloromethane	10	75-27-4	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
Bromoform	10	75-25-2	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
Bromomethane	10	74-83-9	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
Carbon disulfide	10	75-15-0	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
Carbon tetrachloride	10	56-23-5	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
Chlorobenzene	10	108-90-7	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
Chloroethane	10	75-00-3	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
Chloroform	10	67-66-3	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
Chloromethane	10	74-87-3	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	10	156-59-2	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	10	10061-01-5	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
Dibromochloromethane	10	124-48-1	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
Dibromomethane	10	74-95-3	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
Dichlorodifluoromethane	10	75-71-8	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	10	108-20-3	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
Ethylbenzene	10	100-41-4	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
Hexachlorobutadiene	10	87-68-3	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
Iodomethane	10	74-88-4	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		13.8	13.8	1	ug/kg dry	RJB
Isopropylbenzene	10	98-82-8	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
m+p-Xylenes	10	179601-23-1	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
Methylene chloride	10	75-09-2	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	10	1634-04-4	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB

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Client Sample ID: **BG-5-12"** **Laboratory Sample ID:** **23L1295-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	10	91-20-3	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
n-Butylbenzene	10	104-51-8	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
n-Propylbenzene	10	103-65-1	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
o-Xylene	10	95-47-6	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
sec-Butylbenzene	10	135-98-8	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
Styrene	10	100-42-5	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
tert-Butylbenzene	10	98-06-6	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	10	127-18-4	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
Toluene	10	108-88-3	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	10	156-60-5	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	10	10061-02-6	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
Trichloroethylene	10	79-01-6	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
Trichlorofluoromethane	10	75-69-4	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
Vinyl acetate	10	108-05-4	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	13.8	1	ug/kg dry	RJB
Vinyl chloride	10	75-01-4	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		6.89	6.89	1	ug/kg dry	RJB
Xylenes, Total	10	1330-20-7	SW8260D	12/22/2023 15:17	12/22/2023 15:17	BLOD		20.7	20.7	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*10*		*107 %*	*80-120*	*12/22/2023 15:17*	*12/22/2023 15:17*						
Surr: 4-Bromofluorobenzene (Surr)	*10*		*95.3 %*	*85-120*	*12/22/2023 15:17*	*12/22/2023 15:17*						
Surr: Dibromofluoromethane (Surr)	*10*		*104 %*	*80-130*	*12/22/2023 15:17*	*12/22/2023 15:17*						
Surr: Toluene-d8 (Surr)	*10*		*101 %*	*85-115*	*12/22/2023 15:17*	*12/22/2023 15:17*						

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Client Sample ID: **BG-5-12"** **Laboratory Sample ID:** **23L1295-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	10	123-91-1	SW8270E SIM	12/27/2023 12:40	12/28/2023 18:52	BLOD		3.94	3.94	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*10*	*63.4 %*	*35-100*	*12/27/2023 12:40*	*12/28/2023 18:52*							
1,2,4,5-Tetrachlorobenzene	10	95-94-3	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
1,2,4-Trichlorobenzene	10	120-82-1	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
1,2-Dichlorobenzene	10	95-50-1	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
1,2-Diphenylhydrazine	10	122-66-7	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
1,3-Dichlorobenzene	10	541-73-1	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
1,3-Dinitrobenzene	10	99-65-0	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
1,4-Dichlorobenzene	10	106-46-7	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
1-Chloronaphthalene	10	90-13-1	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
1-Naphthylamine	10	134-32-7	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
2,3,4,6-Tetrachlorophenol	10	58-90-2	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
2,4,5-Trichlorophenol	10	95-95-4	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
2,4,6-Trichlorophenol	10	88-06-2	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
2,4-Dichlorophenol	10	120-83-2	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
2,4-Dimethylphenol	10	105-67-9	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
2,4-Dinitrophenol	10	51-28-5	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
2,4-Dinitrotoluene	10	121-14-2	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
2,6-Dichlorophenol	10	87-65-0	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
2,6-Dinitrotoluene	10	606-20-2	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
2-Chloronaphthalene	10	91-58-7	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
2-Chlorophenol	10	95-57-8	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
2-Methylnaphthalene	10	91-57-6	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-5-12"** **Laboratory Sample ID:** **23L1295-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	10	91-59-8	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
2-Nitroaniline	10	88-74-4	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
2-Nitrophenol	10	88-75-5	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
3,3'-Dichlorobenzidine	10	91-94-1	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
3-Methylcholanthrene	10	56-49-5	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
3-Nitroaniline	10	99-09-2	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
4,6-Dinitro-2-methylphenol	10	534-52-1	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
4-Aminobiphenyl	10	92-67-1	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
4-Bromophenyl phenyl ether	10	101-55-3	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
4-Chloroaniline	10	106-47-8	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
4-Chlorophenyl phenyl ether	10	7005-72-3	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
4-Nitroaniline	10	100-01-6	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
4-Nitrophenol	10	100-02-7	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
7,12-Dimethylbenz (a) anthracene	10	57-97-6	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Acenaphthene	10	83-32-9	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Acenaphthylene	10	208-96-8	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Acetophenone	10	98-86-2	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Aniline	10	62-53-3	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Anthracene	10	120-12-7	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Benzidine	10	92-87-5	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Benzo (a) anthracene	10	56-55-3	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Benzo (a) pyrene	10	50-32-8	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Benzo (b) fluoranthene	10	205-99-2	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Benzo (g,h,i) perylene	10	191-24-2	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD	C	98.7	98.7	1	ug/kg dry	ZDR

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-5-12"** **Laboratory Sample ID:** **23L1295-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	10	207-08-9	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Benzoic acid	10	65-85-0	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD	C	98.7	98.7	1	ug/kg dry	ZDR
Benzyl alcohol	10	100-51-6	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
bis (2-Chloroethoxy) methane	10	111-91-1	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
bis (2-Chloroethyl) ether	10	111-44-4	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
2,2'-Oxybis (1-chloropropane)	10	108-60-1	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
bis (2-Ethylhexyl) phthalate	10	117-81-7	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Butyl benzyl phthalate	10	85-68-7	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Chrysene	10	218-01-9	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Dibenz (a,h) anthracene	10	53-70-3	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD	C	98.7	98.7	1	ug/kg dry	ZDR
Dibenz (a,j) acridine	10	224-42-0	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD	C	98.7	98.7	1	ug/kg dry	ZDR
Dibenzofuran	10	132-64-9	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Diethyl phthalate	10	84-66-2	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Dimethyl phthalate	10	131-11-3	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Di-n-butyl phthalate	10	84-74-2	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Di-n-octyl phthalate	10	117-84-0	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Diphenylamine	10	122-39-4	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Ethyl methanesulfonate	10	62-50-0	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Fluoranthene	10	206-44-0	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Fluorene	10	86-73-7	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Hexachlorobenzene	10	118-74-1	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Hexachlorobutadiene	10	87-68-3	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Hexachlorocyclopentadiene	10	77-47-4	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Hexachloroethane	10	67-72-1	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-5-12"** **Laboratory Sample ID:** **23L1295-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	10	193-39-5	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD	C	98.7	98.7	1	ug/kg dry	ZDR
Isophorone	10	78-59-1	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD	C	98.7	98.7	1	ug/kg dry	ZDR
m+p-Cresols	10	1319-77-3	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Methyl methanesulfonate	10	66-27-3	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Naphthalene	10	91-20-3	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Nitrobenzene	10	98-95-3	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
n-Nitrosodimethylamine	10	62-75-9	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD	C	98.7	98.7	1	ug/kg dry	ZDR
n-Nitrosodi-n-butylamine	10	924-16-3	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
n-Nitrosodi-n-propylamine	10	621-64-7	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
n-Nitrosodiphenylamine	10	86-30-6	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
n-Nitrosopiperidine	10	100-75-4	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
o+m+p-Cresols	10	1319-77-3	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
o-Cresol	10	95-48-7	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
p-(Dimethylamino) azobenzene	10	60-11-7	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
p-Chloro-m-cresol	10	59-50-7	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Pentachloronitrobenzene (quintozene)	10	82-68-8	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Pentachlorophenol	10	87-86-5	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD	C	98.7	98.7	1	ug/kg dry	ZDR
Phenacetin	10	62-44-2	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Phenanthrene	10	85-01-8	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Phenol	10	108-95-2	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Pronamide	10	23950-58-5	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Pyrene	10	129-00-0	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD		98.7	98.7	1	ug/kg dry	ZDR
Pyridine	10	110-86-1	SW8270E	12/27/2023 12:40	12/28/2023 16:18	BLOD	C	98.7	98.7	1	ug/kg dry	ZDR
Surr: 2,4,6-Tribromophenol (Surr)	*10*	*48.0 %*	*15-96*	*12/27/2023 12:40*	*12/28/2023 16:18*							

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*10*		*42.9 %*	*19-105*	*12/27/2023 12:40*	*12/28/2023 16:18*						
Surr: 2-Fluorophenol (Surr)	*10*		*55.9 %*	*12-95*	*12/27/2023 12:40*	*12/28/2023 16:18*						
Surr: Nitrobenzene-d5 (Surr)	*10*		*53.9 %*	*21-100*	*12/27/2023 12:40*	*12/28/2023 16:18*						
Surr: Phenol-d5 (Surr)	*10*		*47.1 %*	*13-100*	*12/27/2023 12:40*	*12/28/2023 16:18*						
Surr: p-Terphenyl-d14 (Surr)	*10*		*52.0 %*	*25-125*	*12/27/2023 12:40*	*12/28/2023 16:18*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	10	14808-79-8	SW9056A	12/22/2023 10:00	12/22/2023 10:00	10.8	J	2.99	12.0	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	10	7664-41-7	EPA350.1 R2.0	01/05/2024 15:22	01/05/2024 15:22	BLOD		11.5	11.5	1	mg/kg dry	LAM
Chromium, Hexavalent	10	18540-29-9	SW7199	01/04/2024 09:00	01/05/2024 00:32	0.79		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	10	14797-55-8	SW9056A	12/22/2023 10:00	12/22/2023 10:00	2.44		1.20	2.39	1	mg/kg dry	ATG
Percent Solids	10	NA	SM2540G-2011	12/26/2023 16:15	12/26/2023 16:15	83.6		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-6-6"** **Laboratory Sample ID:** **23L1295-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	11	7440-22-4	SW6020B	12/27/2023 11:15	01/05/2024 12:54	19.6		3.03	3.03	1	ug/kg dry	AB
Arsenic	11	7440-38-2	SW6020B	12/27/2023 11:15	01/05/2024 12:54	1380		60.6	60.6	1	ug/kg dry	AB
Barium	11RE1	7440-39-3	SW6020B	12/27/2023 11:15	01/05/2024 14:14	103000		60600	60600	100	ug/kg dry	AB
Beryllium	11	7440-41-7	SW6020B	12/27/2023 11:15	01/05/2024 12:54	383		60.6	60.6	1	ug/kg dry	AB
Cadmium	11	7440-43-9	SW6020B	12/27/2023 11:15	01/05/2024 12:54	BLOD		60.6	60.6	1	ug/kg dry	AB
Cobalt	11	7440-48-4	SW6020B	12/27/2023 11:15	01/05/2024 12:54	12500		60.6	60.6	1	ug/kg dry	AB
Chromium	11	7440-47-3	SW6020B	12/27/2023 11:15	01/05/2024 12:54	29300		60.6	60.6	1	ug/kg dry	AB
Copper	11	7440-50-8	SW6020B	12/27/2023 11:15	01/05/2024 12:54	30600		60.6	60.6	1	ug/kg dry	AB
Mercury	11	7439-97-6	SW7471B	01/05/2024 10:13	01/05/2024 14:35	0.037		0.010	0.010	1	mg/kg dry	ACM
Manganese	11RE1	7439-96-5	SW6020B	12/27/2023 11:15	01/05/2024 14:14	414000		6060	6060	100	ug/kg dry	AB
Nickel	11	7440-02-0	SW6020B	12/27/2023 11:15	01/05/2024 12:54	10800		60.6	60.6	1	ug/kg dry	AB
Lead	11RE1	7439-92-1	SW6020B	12/27/2023 11:15	01/05/2024 14:14	107000		6060	6060	100	ug/kg dry	AB
Antimony	11	7440-36-0	SW6020B	12/27/2023 11:15	01/05/2024 12:54	525		60.6	60.6	1	ug/kg dry	AB
Selenium	11	7782-49-2	SW6020B	12/27/2023 11:15	01/05/2024 12:54	2100		60.6	60.6	1	ug/kg dry	AB
Thallium	11	7440-28-0	SW6020B	12/27/2023 11:15	01/05/2024 12:54	BLOD		60.6	60.6	1	ug/kg dry	AB
Vanadium	11RE1	7440-62-2	SW6020B	12/27/2023 11:15	01/05/2024 14:14	70400		30300	30300	100	ug/kg dry	AB
Zinc	11RE1	7440-66-6	SW6020B	12/27/2023 11:15	01/05/2024 14:14	78000		30300	30300	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	11	630-20-6	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
1,1,1-Trichloroethane	11	71-55-6	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	11	79-34-5	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
1,1,2-Trichloroethane	11	79-00-5	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
1,1-Dichloroethane	11	75-34-3	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
1,1-Dichloroethylene	11	75-35-4	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-6-6"** **Laboratory Sample ID:** **23L1295-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	11	563-58-6	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	11	87-61-6	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
1,2,3-Trichloropropane	11	96-18-4	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	11	120-82-1	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	11	95-63-6	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	11	96-12-8	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	11	106-93-4	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
1,2-Dichlorobenzene	11	95-50-1	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
1,2-Dichloroethane	11	107-06-2	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
1,2-Dichloropropane	11	78-87-5	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	11	108-67-8	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
1,3-Dichlorobenzene	11	541-73-1	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
1,3-Dichloropropane	11	142-28-9	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
1,4-Dichlorobenzene	11	106-46-7	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
2,2-Dichloropropane	11	594-20-7	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
2-Butanone (MEK)	11	78-93-3	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
2-Chlorotoluene	11	95-49-8	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
2-Hexanone (MBK)	11	591-78-6	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
4-Chlorotoluene	11	106-43-4	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
4-Isopropyltoluene	11	99-87-6	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	11	108-10-1	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
Acetone	11	67-64-1	SW8260D	12/22/2023 16:03	12/22/2023 16:03	92.9		14.0	14.0	1	ug/kg dry	RJB
Benzene	11	71-43-2	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
Bromobenzene	11	108-86-1	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-6-6"** **Laboratory Sample ID:** **23L1295-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	11	74-97-5	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
Bromodichloromethane	11	75-27-4	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
Bromoform	11	75-25-2	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
Bromomethane	11	74-83-9	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
Carbon disulfide	11	75-15-0	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
Carbon tetrachloride	11	56-23-5	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
Chlorobenzene	11	108-90-7	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
Chloroethane	11	75-00-3	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
Chloroform	11	67-66-3	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
Chloromethane	11	74-87-3	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	11	156-59-2	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	11	10061-01-5	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
Dibromochloromethane	11	124-48-1	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
Dibromomethane	11	74-95-3	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
Dichlorodifluoromethane	11	75-71-8	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	11	108-20-3	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
Ethylbenzene	11	100-41-4	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
Hexachlorobutadiene	11	87-68-3	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
Iodomethane	11	74-88-4	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		14.0	14.0	1	ug/kg dry	RJB
Isopropylbenzene	11	98-82-8	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
m+p-Xylenes	11	179601-23-1	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
Methylene chloride	11	75-09-2	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	11	1634-04-4	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-6-6"** **Laboratory Sample ID:** **23L1295-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	11	91-20-3	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
n-Butylbenzene	11	104-51-8	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
n-Propylbenzene	11	103-65-1	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
o-Xylene	11	95-47-6	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
sec-Butylbenzene	11	135-98-8	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
Styrene	11	100-42-5	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
tert-Butylbenzene	11	98-06-6	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	11	127-18-4	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
Toluene	11	108-88-3	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	11	156-60-5	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	11	10061-02-6	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
Trichloroethylene	11	79-01-6	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
Trichlorofluoromethane	11	75-69-4	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
Vinyl acetate	11	108-05-4	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	14.0	1	ug/kg dry	RJB
Vinyl chloride	11	75-01-4	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		6.98	6.98	1	ug/kg dry	RJB
Xylenes, Total	11	1330-20-7	SW8260D	12/22/2023 16:03	12/22/2023 16:03	BLOD		20.9	20.9	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*11*		*110 %*	*80-120*	*12/22/2023 16:03*	*12/22/2023 16:03*						
Surr: 4-Bromofluorobenzene (Surr)	*11*		*91.4 %*	*85-120*	*12/22/2023 16:03*	*12/22/2023 16:03*						
Surr: Dibromofluoromethane (Surr)	*11*		*105 %*	*80-130*	*12/22/2023 16:03*	*12/22/2023 16:03*						
Surr: Toluene-d8 (Surr)	*11*		*101 %*	*85-115*	*12/22/2023 16:03*	*12/22/2023 16:03*						

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Client Sample ID: **BG-6-6"** **Laboratory Sample ID:** **23L1295-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	11	123-91-1	SW8270E SIM	12/27/2023 12:40	12/28/2023 20:12	BLOD		4.07	4.07	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*11*	*38.5 %*	*35-100*	*12/27/2023 12:40*	*12/28/2023 20:12*							
1,2,4,5-Tetrachlorobenzene	11	95-94-3	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
1,2,4-Trichlorobenzene	11	120-82-1	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
1,2-Dichlorobenzene	11	95-50-1	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
1,2-Diphenylhydrazine	11	122-66-7	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
1,3-Dichlorobenzene	11	541-73-1	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
1,3-Dinitrobenzene	11	99-65-0	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
1,4-Dichlorobenzene	11	106-46-7	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
1-Chloronaphthalene	11	90-13-1	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
1-Naphthylamine	11	134-32-7	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
2,3,4,6-Tetrachlorophenol	11	58-90-2	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
2,4,5-Trichlorophenol	11	95-95-4	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
2,4,6-Trichlorophenol	11	88-06-2	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
2,4-Dichlorophenol	11	120-83-2	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
2,4-Dimethylphenol	11	105-67-9	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
2,4-Dinitrophenol	11	51-28-5	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
2,4-Dinitrotoluene	11	121-14-2	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
2,6-Dichlorophenol	11	87-65-0	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
2,6-Dinitrotoluene	11	606-20-2	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
2-Chloronaphthalene	11	91-58-7	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
2-Chlorophenol	11	95-57-8	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
2-Methylnaphthalene	11	91-57-6	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR

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Client Sample ID: **BG-6-6"** **Laboratory Sample ID:** **23L1295-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	11	91-59-8	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
2-Nitroaniline	11	88-74-4	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
2-Nitrophenol	11	88-75-5	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
3,3'-Dichlorobenzidine	11	91-94-1	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
3-Methylcholanthrene	11	56-49-5	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
3-Nitroaniline	11	99-09-2	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
4,6-Dinitro-2-methylphenol	11	534-52-1	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
4-Aminobiphenyl	11	92-67-1	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
4-Bromophenyl phenyl ether	11	101-55-3	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
4-Chloroaniline	11	106-47-8	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
4-Chlorophenyl phenyl ether	11	7005-72-3	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
4-Nitroaniline	11	100-01-6	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
4-Nitrophenol	11	100-02-7	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
7,12-Dimethylbenz (a) anthracene	11	57-97-6	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Acenaphthene	11	83-32-9	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Acenaphthylene	11	208-96-8	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Acetophenone	11	98-86-2	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Aniline	11	62-53-3	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Anthracene	11	120-12-7	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Benzidine	11	92-87-5	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Benzo (a) anthracene	11	56-55-3	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Benzo (a) pyrene	11	50-32-8	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Benzo (b) fluoranthene	11	205-99-2	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Benzo (g,h,i) perylene	11	191-24-2	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD	C	102	102	1	ug/kg dry	ZDR

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-6-6"** **Laboratory Sample ID:** **23L1295-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	11	207-08-9	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Benzoic acid	11	65-85-0	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD	C	102	102	1	ug/kg dry	ZDR
Benzyl alcohol	11	100-51-6	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
bis (2-Chloroethoxy) methane	11	111-91-1	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
bis (2-Chloroethyl) ether	11	111-44-4	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
2,2'-Oxybis (1-chloropropane)	11	108-60-1	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
bis (2-Ethylhexyl) phthalate	11	117-81-7	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Butyl benzyl phthalate	11	85-68-7	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Chrysene	11	218-01-9	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Dibenz (a,h) anthracene	11	53-70-3	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD	C	102	102	1	ug/kg dry	ZDR
Dibenz (a,j) acridine	11	224-42-0	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD	C	102	102	1	ug/kg dry	ZDR
Dibenzofuran	11	132-64-9	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Diethyl phthalate	11	84-66-2	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Dimethyl phthalate	11	131-11-3	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Di-n-butyl phthalate	11	84-74-2	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Di-n-octyl phthalate	11	117-84-0	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Diphenylamine	11	122-39-4	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Ethyl methanesulfonate	11	62-50-0	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Fluoranthene	11	206-44-0	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Fluorene	11	86-73-7	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Hexachlorobenzene	11	118-74-1	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Hexachlorobutadiene	11	87-68-3	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Hexachlorocyclopentadiene	11	77-47-4	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Hexachloroethane	11	67-72-1	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-6-6"** **Laboratory Sample ID:** **23L1295-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	11	193-39-5	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD	C	102	102	1	ug/kg dry	ZDR
Isophorone	11	78-59-1	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD	C	102	102	1	ug/kg dry	ZDR
m+p-Cresols	11	1319-77-3	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Methyl methanesulfonate	11	66-27-3	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Naphthalene	11	91-20-3	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Nitrobenzene	11	98-95-3	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
n-Nitrosodimethylamine	11	62-75-9	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD	C	102	102	1	ug/kg dry	ZDR
n-Nitrosodi-n-butylamine	11	924-16-3	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
n-Nitrosodi-n-propylamine	11	621-64-7	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
n-Nitrosodiphenylamine	11	86-30-6	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
n-Nitrosopiperidine	11	100-75-4	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
o+m+p-Cresols	11	1319-77-3	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
o-Cresol	11	95-48-7	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
p-(Dimethylamino) azobenzene	11	60-11-7	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
p-Chloro-m-cresol	11	59-50-7	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Pentachloronitrobenzene (quintozene)	11	82-68-8	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Pentachlorophenol	11	87-86-5	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD	C	102	102	1	ug/kg dry	ZDR
Phenacetin	11	62-44-2	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Phenanthrene	11	85-01-8	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Phenol	11	108-95-2	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Pronamide	11	23950-58-5	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Pyrene	11	129-00-0	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD		102	102	1	ug/kg dry	ZDR
Pyridine	11	110-86-1	SW8270E	12/27/2023 12:40	12/28/2023 18:07	BLOD	C	102	102	1	ug/kg dry	ZDR
Surr: 2,4,6-Tribromophenol (Surr)	*11*	*37.2 %*	*15-96*	*12/27/2023 12:40*	*12/28/2023 18:07*							

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-6-6"** **Laboratory Sample ID:** **23L1295-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*11*		*28.8 %*	*19-105*	*12/27/2023 12:40*	*12/28/2023 18:07*						
Surr: 2-Fluorophenol (Surr)	*11*		*50.8 %*	*12-95*	*12/27/2023 12:40*	*12/28/2023 18:07*						
Surr: Nitrobenzene-d5 (Surr)	*11*		*50.2 %*	*21-100*	*12/27/2023 12:40*	*12/28/2023 18:07*						
Surr: Phenol-d5 (Surr)	*11*		*46.0 %*	*13-100*	*12/27/2023 12:40*	*12/28/2023 18:07*						
Surr: p-Terphenyl-d14 (Surr)	*11*		*46.5 %*	*25-125*	*12/27/2023 12:40*	*12/28/2023 18:07*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Ion Chromatography Analyses												
Sulfate	11	14808-79-8	SW9056A	12/22/2023 10:00	12/22/2023 10:00	4.06	J	3.08	12.3	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	11	7664-41-7	EPA350.1 R2.0	01/05/2024 15:22	01/05/2024 15:22	BLOD		11.9	11.9	1	mg/kg dry	LAM
Chromium, Hexavalent	11	18540-29-9	SW7199	01/04/2024 09:00	01/05/2024 00:59	0.27		0.25	0.25	1	mg/kg dry	MGC
Nitrate as N	11	14797-55-8	SW9056A	12/22/2023 10:00	12/22/2023 10:00	BLOD		1.23	2.47	1	mg/kg dry	ATG
Percent Solids	11	NA	SM2540G-2011	12/22/2023 11:45	12/22/2023 11:45	81.1		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-6-12"** **Laboratory Sample ID:** **23L1295-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	12	7440-22-4	SW6020B	12/27/2023 11:15	01/05/2024 12:57	21.4		2.72	2.72	1	ug/kg dry	AB
Arsenic	12	7440-38-2	SW6020B	12/27/2023 11:15	01/05/2024 12:57	1530		54.4	54.4	1	ug/kg dry	AB
Barium	12RE1	7440-39-3	SW6020B	12/27/2023 11:15	01/05/2024 14:17	119000		54400	54400	100	ug/kg dry	AB
Beryllium	12	7440-41-7	SW6020B	12/27/2023 11:15	01/05/2024 12:57	393		54.4	54.4	1	ug/kg dry	AB
Cadmium	12	7440-43-9	SW6020B	12/27/2023 11:15	01/05/2024 12:57	98.0		54.4	54.4	1	ug/kg dry	AB
Cobalt	12	7440-48-4	SW6020B	12/27/2023 11:15	01/05/2024 12:57	12600		54.4	54.4	1	ug/kg dry	AB
Chromium	12RE1	7440-47-3	SW6020B	12/27/2023 11:15	01/05/2024 14:17	41300		5440	5440	100	ug/kg dry	AB
Copper	12RE1	7440-50-8	SW6020B	12/27/2023 11:15	01/05/2024 14:17	43400		5440	5440	100	ug/kg dry	AB
Mercury	12	7439-97-6	SW7471B	01/05/2024 10:13	01/05/2024 14:37	0.018		0.009	0.009	1	mg/kg dry	ACM
Manganese	12RE1	7439-96-5	SW6020B	12/27/2023 11:15	01/05/2024 14:17	437000		5440	5440	100	ug/kg dry	AB
Nickel	12	7440-02-0	SW6020B	12/27/2023 11:15	01/05/2024 12:57	13700		54.4	54.4	1	ug/kg dry	AB
Lead	12RE1	7439-92-1	SW6020B	12/27/2023 11:15	01/05/2024 14:17	52200		5440	5440	100	ug/kg dry	AB
Antimony	12	7440-36-0	SW6020B	12/27/2023 11:15	01/05/2024 12:57	271		54.4	54.4	1	ug/kg dry	AB
Selenium	12	7782-49-2	SW6020B	12/27/2023 11:15	01/05/2024 12:57	1990		54.4	54.4	1	ug/kg dry	AB
Thallium	12	7440-28-0	SW6020B	12/27/2023 11:15	01/05/2024 12:57	BLOD		54.4	54.4	1	ug/kg dry	AB
Vanadium	12RE1	7440-62-2	SW6020B	12/27/2023 11:15	01/05/2024 14:17	86100		27200	27200	100	ug/kg dry	AB
Zinc	12RE1	7440-66-6	SW6020B	12/27/2023 11:15	01/05/2024 14:17	88900		27200	27200	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	12	630-20-6	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
1,1,1-Trichloroethane	12	71-55-6	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	12	79-34-5	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
1,1,2-Trichloroethane	12	79-00-5	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
1,1-Dichloroethane	12	75-34-3	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
1,1-Dichloroethylene	12	75-35-4	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB

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Client Sample ID: **BG-6-12"** **Laboratory Sample ID:** **23L1295-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	12	563-58-6	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	12	87-61-6	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
1,2,3-Trichloropropane	12	96-18-4	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	12	120-82-1	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	12	95-63-6	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	12	96-12-8	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	12	106-93-4	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
1,2-Dichlorobenzene	12	95-50-1	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
1,2-Dichloroethane	12	107-06-2	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
1,2-Dichloropropane	12	78-87-5	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	12	108-67-8	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
1,3-Dichlorobenzene	12	541-73-1	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
1,3-Dichloropropane	12	142-28-9	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
1,4-Dichlorobenzene	12	106-46-7	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
2,2-Dichloropropane	12	594-20-7	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
2-Butanone (MEK)	12	78-93-3	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
2-Chlorotoluene	12	95-49-8	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
2-Hexanone (MBK)	12	591-78-6	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
4-Chlorotoluene	12	106-43-4	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
4-Isopropyltoluene	12	99-87-6	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	12	108-10-1	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
Acetone	12	67-64-1	SW8260D	12/22/2023 16:27	12/22/2023 16:27	64.0		10.5	10.5	1	ug/kg dry	RJB
Benzene	12	71-43-2	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
Bromobenzene	12	108-86-1	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB

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Client Sample ID: **BG-6-12"** **Laboratory Sample ID:** **23L1295-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	12	74-97-5	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
Bromodichloromethane	12	75-27-4	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
Bromoform	12	75-25-2	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
Bromomethane	12	74-83-9	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
Carbon disulfide	12	75-15-0	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
Carbon tetrachloride	12	56-23-5	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
Chlorobenzene	12	108-90-7	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
Chloroethane	12	75-00-3	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
Chloroform	12	67-66-3	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
Chloromethane	12	74-87-3	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	12	156-59-2	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	12	10061-01-5	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
Dibromochloromethane	12	124-48-1	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
Dibromomethane	12	74-95-3	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
Dichlorodifluoromethane	12	75-71-8	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	12	108-20-3	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
Ethylbenzene	12	100-41-4	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
Hexachlorobutadiene	12	87-68-3	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
Iodomethane	12	74-88-4	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		10.5	10.5	1	ug/kg dry	RJB
Isopropylbenzene	12	98-82-8	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
m+p-Xylenes	12	179601-23-1	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
Methylene chloride	12	75-09-2	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	12	1634-04-4	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB

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Client Sample ID: **BG-6-12"** **Laboratory Sample ID:** **23L1295-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	12	91-20-3	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
n-Butylbenzene	12	104-51-8	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
n-Propylbenzene	12	103-65-1	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
o-Xylene	12	95-47-6	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
sec-Butylbenzene	12	135-98-8	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
Styrene	12	100-42-5	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
tert-Butylbenzene	12	98-06-6	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	12	127-18-4	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
Toluene	12	108-88-3	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	12	156-60-5	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	12	10061-02-6	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
Trichloroethylene	12	79-01-6	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
Trichlorofluoromethane	12	75-69-4	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
Vinyl acetate	12	108-05-4	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	10.5	1	ug/kg dry	RJB
Vinyl chloride	12	75-01-4	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		5.25	5.25	1	ug/kg dry	RJB
Xylenes, Total	12	1330-20-7	SW8260D	12/22/2023 16:27	12/22/2023 16:27	BLOD		15.7	15.7	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*12*		*111 %*	*80-120*	*12/22/2023 16:27*	*12/22/2023 16:27*						
Surr: 4-Bromofluorobenzene (Surr)	*12*		*91.9 %*	*85-120*	*12/22/2023 16:27*	*12/22/2023 16:27*						
Surr: Dibromofluoromethane (Surr)	*12*		*104 %*	*80-130*	*12/22/2023 16:27*	*12/22/2023 16:27*						
Surr: Toluene-d8 (Surr)	*12*		*99.8 %*	*85-115*	*12/22/2023 16:27*	*12/22/2023 16:27*						

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Client Sample ID: **BG-6-12"** **Laboratory Sample ID:** **23L1295-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	12	123-91-1	SW8270E SIM	12/27/2023 12:40	12/28/2023 20:39	BLOD		7.73	7.73	2	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*12*	*140 %*	*35-100*	*12/27/2023 12:40*	*12/28/2023 20:39*							*DS*
1,2,4,5-Tetrachlorobenzene	12	95-94-3	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
1,2,4-Trichlorobenzene	12	120-82-1	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
1,2-Dichlorobenzene	12	95-50-1	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
1,2-Diphenylhydrazine	12	122-66-7	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
1,3-Dichlorobenzene	12	541-73-1	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
1,3-Dinitrobenzene	12	99-65-0	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
1,4-Dichlorobenzene	12	106-46-7	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
1-Chloronaphthalene	12	90-13-1	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
1-Naphthylamine	12	134-32-7	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
2,3,4,6-Tetrachlorophenol	12	58-90-2	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
2,4,5-Trichlorophenol	12	95-95-4	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
2,4,6-Trichlorophenol	12	88-06-2	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
2,4-Dichlorophenol	12	120-83-2	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
2,4-Dimethylphenol	12	105-67-9	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
2,4-Dinitrophenol	12	51-28-5	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
2,4-Dinitrotoluene	12	121-14-2	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
2,6-Dichlorophenol	12	87-65-0	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
2,6-Dinitrotoluene	12	606-20-2	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
2-Chloronaphthalene	12	91-58-7	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
2-Chlorophenol	12	95-57-8	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
2-Methylnaphthalene	12	91-57-6	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	12	91-59-8	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
2-Nitroaniline	12	88-74-4	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
2-Nitrophenol	12	88-75-5	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
3,3'-Dichlorobenzidine	12	91-94-1	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
3-Methylcholanthrene	12	56-49-5	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
3-Nitroaniline	12	99-09-2	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
4,6-Dinitro-2-methylphenol	12	534-52-1	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
4-Aminobiphenyl	12	92-67-1	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
4-Bromophenyl phenyl ether	12	101-55-3	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
4-Chloroaniline	12	106-47-8	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
4-Chlorophenyl phenyl ether	12	7005-72-3	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
4-Nitroaniline	12	100-01-6	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
4-Nitrophenol	12	100-02-7	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
7,12-Dimethylbenz (a) anthracene	12	57-97-6	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Acenaphthene	12	83-32-9	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Acenaphthylene	12	208-96-8	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Acetophenone	12	98-86-2	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Aniline	12	62-53-3	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Anthracene	12	120-12-7	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Benzidine	12	92-87-5	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Benzo (a) anthracene	12	56-55-3	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Benzo (a) pyrene	12	50-32-8	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Benzo (b) fluoranthene	12	205-99-2	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Benzo (g,h,i) perylene	12	191-24-2	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD	C	966	966	10	ug/kg dry	ZDR

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	12	207-08-9	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Benzoic acid	12	65-85-0	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD	C	966	966	10	ug/kg dry	ZDR
Benzyl alcohol	12	100-51-6	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
bis (2-Chloroethoxy) methane	12	111-91-1	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
bis (2-Chloroethyl) ether	12	111-44-4	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
2,2'-Oxybis (1-chloropropane)	12	108-60-1	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
bis (2-Ethylhexyl) phthalate	12	117-81-7	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Butyl benzyl phthalate	12	85-68-7	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Chrysene	12	218-01-9	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Dibenz (a,h) anthracene	12	53-70-3	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD	C	966	966	10	ug/kg dry	ZDR
Dibenz (a,j) acridine	12	224-42-0	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD	C	966	966	10	ug/kg dry	ZDR
Dibenzofuran	12	132-64-9	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Diethyl phthalate	12	84-66-2	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Dimethyl phthalate	12	131-11-3	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Di-n-butyl phthalate	12	84-74-2	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Di-n-octyl phthalate	12	117-84-0	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Diphenylamine	12	122-39-4	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Ethyl methanesulfonate	12	62-50-0	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Fluoranthene	12	206-44-0	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Fluorene	12	86-73-7	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Hexachlorobenzene	12	118-74-1	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Hexachlorobutadiene	12	87-68-3	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Hexachlorocyclopentadiene	12	77-47-4	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Hexachloroethane	12	67-72-1	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR

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Client Sample ID: **BG-6-12"** **Laboratory Sample ID:** **23L1295-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	12	193-39-5	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD	C	966	966	10	ug/kg dry	ZDR
Isophorone	12	78-59-1	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD	C	966	966	10	ug/kg dry	ZDR
m+p-Cresols	12	1319-77-3	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Methyl methanesulfonate	12	66-27-3	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Naphthalene	12	91-20-3	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Nitrobenzene	12	98-95-3	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
n-Nitrosodimethylamine	12	62-75-9	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD	C	966	966	10	ug/kg dry	ZDR
n-Nitrosodi-n-butylamine	12	924-16-3	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
n-Nitrosodi-n-propylamine	12	621-64-7	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
n-Nitrosodiphenylamine	12	86-30-6	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
n-Nitrosopiperidine	12	100-75-4	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
o+m+p-Cresols	12	1319-77-3	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
o-Cresol	12	95-48-7	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
p-(Dimethylamino) azobenzene	12	60-11-7	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
p-Chloro-m-cresol	12	59-50-7	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Pentachloronitrobenzene (quintozene)	12	82-68-8	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Pentachlorophenol	12	87-86-5	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD	C	966	966	10	ug/kg dry	ZDR
Phenacetin	12	62-44-2	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Phenanthrene	12	85-01-8	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Phenol	12	108-95-2	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Pronamide	12	23950-58-5	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Pyrene	12	129-00-0	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD		966	966	10	ug/kg dry	ZDR
Pyridine	12	110-86-1	SW8270E	12/27/2023 12:40	12/28/2023 18:43	BLOD	C	966	966	10	ug/kg dry	ZDR
Surr: 2,4,6-Tribromophenol (Surr)	*12*	*70.9 %*	*15-96*	*12/27/2023 12:40*	*12/28/2023 18:43*							

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Client Sample ID: **BG-6-12"** **Laboratory Sample ID:** **23L1295-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*12*		*53.4 %*	*19-105*	*12/27/2023 12:40*	*12/28/2023 18:43*						
Surr: 2-Fluorophenol (Surr)	*12*		*106 %*	*12-95*	*12/27/2023 12:40*	*12/28/2023 18:43*						*DS*
Surr: Nitrobenzene-d5 (Surr)	*12*		*110 %*	*21-100*	*12/27/2023 12:40*	*12/28/2023 18:43*						*DS*
Surr: Phenol-d5 (Surr)	*12*		*92.1 %*	*13-100*	*12/27/2023 12:40*	*12/28/2023 18:43*						
Surr: p-Terphenyl-d14 (Surr)	*12*		*79.4 %*	*25-125*	*12/27/2023 12:40*	*12/28/2023 18:43*						

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Ion Chromatography Analyses												
Sulfate	12	14808-79-8	SW9056A	12/22/2023 10:00	12/22/2023 10:00	5.40	J	2.93	11.7	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	12	7664-41-7	EPA350.1 R2.0	01/05/2024 15:22	01/05/2024 15:22	BLOD		11.2	11.2	1	mg/kg dry	LAM
Chromium, Hexavalent	12	18540-29-9	SW7199	01/04/2024 09:00	01/05/2024 01:25	0.77		0.23	0.23	1	mg/kg dry	MGC
Nitrate as N	12	14797-55-8	SW9056A	12/22/2023 10:00	12/22/2023 10:00	BLOD		1.17	2.34	1	mg/kg dry	ATG
Percent Solids	12	NA	SM2540G-2011	12/26/2023 16:15	12/26/2023 16:15	85.3		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-7-6"** **Laboratory Sample ID:** **23L1295-13**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	13	7440-22-4	SW6020B	12/27/2023 11:15	01/05/2024 13:00	38.3		2.92	2.92	1	ug/kg dry	AB
Arsenic	13	7440-38-2	SW6020B	12/27/2023 11:15	01/05/2024 13:00	2860		58.4	58.4	1	ug/kg dry	AB
Barium	13RE1	7440-39-3	SW6020B	12/27/2023 11:15	01/05/2024 14:20	68700		58400	58400	100	ug/kg dry	AB
Beryllium	13	7440-41-7	SW6020B	12/27/2023 11:15	01/05/2024 13:00	492		58.4	58.4	1	ug/kg dry	AB
Cadmium	13	7440-43-9	SW6020B	12/27/2023 11:15	01/05/2024 13:00	87.6		58.4	58.4	1	ug/kg dry	AB
Cobalt	13	7440-48-4	SW6020B	12/27/2023 11:15	01/05/2024 13:00	21700		58.4	58.4	1	ug/kg dry	AB
Chromium	13RE1	7440-47-3	SW6020B	12/27/2023 11:15	01/05/2024 14:20	96800		5840	5840	100	ug/kg dry	AB
Copper	13RE1	7440-50-8	SW6020B	12/27/2023 11:15	01/05/2024 14:20	45600		5840	5840	100	ug/kg dry	AB
Mercury	13	7439-97-6	SW7471B	01/05/2024 10:13	01/05/2024 14:40	0.058		0.009	0.009	1	mg/kg dry	ACM
Manganese	13RE1	7439-96-5	SW6020B	12/27/2023 11:15	01/05/2024 14:20	716000		5840	5840	100	ug/kg dry	AB
Nickel	13	7440-02-0	SW6020B	12/27/2023 11:15	01/05/2024 13:00	18600		58.4	58.4	1	ug/kg dry	AB
Lead	13RE1	7439-92-1	SW6020B	12/27/2023 11:15	01/05/2024 14:20	118000		5840	5840	100	ug/kg dry	AB
Antimony	13	7440-36-0	SW6020B	12/27/2023 11:15	01/05/2024 13:00	582		58.4	58.4	1	ug/kg dry	AB
Selenium	13	7782-49-2	SW6020B	12/27/2023 11:15	01/05/2024 13:00	1860		58.4	58.4	1	ug/kg dry	AB
Thallium	13	7440-28-0	SW6020B	12/27/2023 11:15	01/05/2024 13:00	83.1		58.4	58.4	1	ug/kg dry	AB
Vanadium	13RE1	7440-62-2	SW6020B	12/27/2023 11:15	01/05/2024 14:20	112000		29200	29200	100	ug/kg dry	AB
Zinc	13RE1	7440-66-6	SW6020B	12/27/2023 11:15	01/05/2024 14:20	72300		29200	29200	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	13	630-20-6	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
1,1,1-Trichloroethane	13	71-55-6	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	13	79-34-5	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
1,1,2-Trichloroethane	13	79-00-5	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
1,1-Dichloroethane	13	75-34-3	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
1,1-Dichloroethylene	13	75-35-4	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB

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Client Sample ID: **BG-7-6"** **Laboratory Sample ID:** **23L1295-13**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	13	563-58-6	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	13	87-61-6	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
1,2,3-Trichloropropane	13	96-18-4	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	13	120-82-1	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	13	95-63-6	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	13	96-12-8	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	13	106-93-4	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
1,2-Dichlorobenzene	13	95-50-1	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
1,2-Dichloroethane	13	107-06-2	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
1,2-Dichloropropane	13	78-87-5	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	13	108-67-8	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
1,3-Dichlorobenzene	13	541-73-1	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
1,3-Dichloropropane	13	142-28-9	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
1,4-Dichlorobenzene	13	106-46-7	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
2,2-Dichloropropane	13	594-20-7	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
2-Butanone (MEK)	13	78-93-3	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
2-Chlorotoluene	13	95-49-8	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
2-Hexanone (MBK)	13	591-78-6	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
4-Chlorotoluene	13	106-43-4	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
4-Isopropyltoluene	13	99-87-6	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	13	108-10-1	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
Acetone	13	67-64-1	SW8260D	12/22/2023 16:50	12/22/2023 16:50	144		14.0	14.0	1	ug/kg dry	RJB
Benzene	13	71-43-2	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
Bromobenzene	13	108-86-1	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	13	74-97-5	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
Bromodichloromethane	13	75-27-4	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
Bromoform	13	75-25-2	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
Bromomethane	13	74-83-9	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
Carbon disulfide	13	75-15-0	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
Carbon tetrachloride	13	56-23-5	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
Chlorobenzene	13	108-90-7	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
Chloroethane	13	75-00-3	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
Chloroform	13	67-66-3	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
Chloromethane	13	74-87-3	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	13	156-59-2	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	13	10061-01-5	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
Dibromochloromethane	13	124-48-1	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
Dibromomethane	13	74-95-3	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
Dichlorodifluoromethane	13	75-71-8	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	13	108-20-3	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
Ethylbenzene	13	100-41-4	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
Hexachlorobutadiene	13	87-68-3	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
Iodomethane	13	74-88-4	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		14.0	14.0	1	ug/kg dry	RJB
Isopropylbenzene	13	98-82-8	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
m+p-Xylenes	13	179601-23-1	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
Methylene chloride	13	75-09-2	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	13	1634-04-4	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-7-6"** **Laboratory Sample ID:** **23L1295-13**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	13	91-20-3	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
n-Butylbenzene	13	104-51-8	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
n-Propylbenzene	13	103-65-1	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
o-Xylene	13	95-47-6	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
sec-Butylbenzene	13	135-98-8	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
Styrene	13	100-42-5	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
tert-Butylbenzene	13	98-06-6	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	13	127-18-4	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
Toluene	13	108-88-3	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	13	156-60-5	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	13	10061-02-6	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
Trichloroethylene	13	79-01-6	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
Trichlorofluoromethane	13	75-69-4	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
Vinyl acetate	13	108-05-4	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	14.0	1	ug/kg dry	RJB
Vinyl chloride	13	75-01-4	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		7.00	7.00	1	ug/kg dry	RJB
Xylenes, Total	13	1330-20-7	SW8260D	12/22/2023 16:50	12/22/2023 16:50	BLOD		21.0	21.0	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*13*		*109 %*	*80-120*	*12/22/2023 16:50*	*12/22/2023 16:50*						
Surr: 4-Bromofluorobenzene (Surr)	*13*		*98.2 %*	*85-120*	*12/22/2023 16:50*	*12/22/2023 16:50*						
Surr: Dibromofluoromethane (Surr)	*13*		*104 %*	*80-130*	*12/22/2023 16:50*	*12/22/2023 16:50*						
Surr: Toluene-d8 (Surr)	*13*		*93.5 %*	*85-115*	*12/22/2023 16:50*	*12/22/2023 16:50*						

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-7-6"** **Laboratory Sample ID:** **23L1295-13**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	13	123-91-1	SW8270E SIM	12/27/2023 12:40	12/28/2023 21:06	BLOD		8.11	8.11	2	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*13*	*124 %*	*35-100*	*12/27/2023 12:40*	*12/28/2023 21:06*							*DS*
1,2,4,5-Tetrachlorobenzene	13	95-94-3	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
1,2,4-Trichlorobenzene	13	120-82-1	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
1,2-Dichlorobenzene	13	95-50-1	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
1,2-Diphenylhydrazine	13	122-66-7	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
1,3-Dichlorobenzene	13	541-73-1	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
1,3-Dinitrobenzene	13	99-65-0	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
1,4-Dichlorobenzene	13	106-46-7	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
1-Chloronaphthalene	13	90-13-1	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
1-Naphthylamine	13	134-32-7	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
2,3,4,6-Tetrachlorophenol	13	58-90-2	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
2,4,5-Trichlorophenol	13	95-95-4	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
2,4,6-Trichlorophenol	13	88-06-2	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
2,4-Dichlorophenol	13	120-83-2	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
2,4-Dimethylphenol	13	105-67-9	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
2,4-Dinitrophenol	13	51-28-5	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
2,4-Dinitrotoluene	13	121-14-2	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
2,6-Dichlorophenol	13	87-65-0	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
2,6-Dinitrotoluene	13	606-20-2	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
2-Chloronaphthalene	13	91-58-7	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
2-Chlorophenol	13	95-57-8	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
2-Methylnaphthalene	13	91-57-6	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR

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Client Sample ID: **BG-7-6"** **Laboratory Sample ID:** **23L1295-13**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	13	91-59-8	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
2-Nitroaniline	13	88-74-4	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
2-Nitrophenol	13	88-75-5	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
3,3'-Dichlorobenzidine	13	91-94-1	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
3-Methylcholanthrene	13	56-49-5	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
3-Nitroaniline	13	99-09-2	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
4,6-Dinitro-2-methylphenol	13	534-52-1	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
4-Aminobiphenyl	13	92-67-1	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
4-Bromophenyl phenyl ether	13	101-55-3	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
4-Chloroaniline	13	106-47-8	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
4-Chlorophenyl phenyl ether	13	7005-72-3	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
4-Nitroaniline	13	100-01-6	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
4-Nitrophenol	13	100-02-7	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
7,12-Dimethylbenz (a) anthracene	13	57-97-6	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Acenaphthene	13	83-32-9	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Acenaphthylene	13	208-96-8	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Acetophenone	13	98-86-2	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Aniline	13	62-53-3	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Anthracene	13	120-12-7	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Benzidine	13	92-87-5	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Benzo (a) anthracene	13	56-55-3	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Benzo (a) pyrene	13	50-32-8	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Benzo (b) fluoranthene	13	205-99-2	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Benzo (g,h,i) perylene	13	191-24-2	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD	C	1010	1010	10	ug/kg dry	ZDR

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Client Sample ID: **BG-7-6"** **Laboratory Sample ID:** **23L1295-13**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	13	207-08-9	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Benzoic acid	13	65-85-0	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD	C	1010	1010	10	ug/kg dry	ZDR
Benzyl alcohol	13	100-51-6	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
bis (2-Chloroethoxy) methane	13	111-91-1	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
bis (2-Chloroethyl) ether	13	111-44-4	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
2,2'-Oxybis (1-chloropropane)	13	108-60-1	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
bis (2-Ethylhexyl) phthalate	13	117-81-7	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Butyl benzyl phthalate	13	85-68-7	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Chrysene	13	218-01-9	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Dibenz (a,h) anthracene	13	53-70-3	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD	C	1010	1010	10	ug/kg dry	ZDR
Dibenz (a,j) acridine	13	224-42-0	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD	C	1010	1010	10	ug/kg dry	ZDR
Dibenzofuran	13	132-64-9	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Diethyl phthalate	13	84-66-2	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Dimethyl phthalate	13	131-11-3	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Di-n-butyl phthalate	13	84-74-2	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Di-n-octyl phthalate	13	117-84-0	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Diphenylamine	13	122-39-4	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Ethyl methanesulfonate	13	62-50-0	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Fluoranthene	13	206-44-0	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Fluorene	13	86-73-7	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Hexachlorobenzene	13	118-74-1	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Hexachlorobutadiene	13	87-68-3	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Hexachlorocyclopentadiene	13	77-47-4	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Hexachloroethane	13	67-72-1	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	13	193-39-5	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD	C	1010	1010	10	ug/kg dry	ZDR
Isophorone	13	78-59-1	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD	C	1010	1010	10	ug/kg dry	ZDR
m+p-Cresols	13	1319-77-3	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Methyl methanesulfonate	13	66-27-3	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Naphthalene	13	91-20-3	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Nitrobenzene	13	98-95-3	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
n-Nitrosodimethylamine	13	62-75-9	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD	C	1010	1010	10	ug/kg dry	ZDR
n-Nitrosodi-n-butylamine	13	924-16-3	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
n-Nitrosodi-n-propylamine	13	621-64-7	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
n-Nitrosodiphenylamine	13	86-30-6	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
n-Nitrosopiperidine	13	100-75-4	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
o+m+p-Cresols	13	1319-77-3	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
o-Cresol	13	95-48-7	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
p-(Dimethylamino) azobenzene	13	60-11-7	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
p-Chloro-m-cresol	13	59-50-7	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Pentachloronitrobenzene (quintozene)	13	82-68-8	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Pentachlorophenol	13	87-86-5	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD	C	1010	1010	10	ug/kg dry	ZDR
Phenacetin	13	62-44-2	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Phenanthrene	13	85-01-8	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Phenol	13	108-95-2	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Pronamide	13	23950-58-5	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Pyrene	13	129-00-0	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD		1010	1010	10	ug/kg dry	ZDR
Pyridine	13	110-86-1	SW8270E	12/27/2023 12:40	12/28/2023 19:19	BLOD	C	1010	1010	10	ug/kg dry	ZDR
Surr: 2,4,6-Tribromophenol (Surr)	*13*	*28.9 %*	*15-96*	*12/27/2023 12:40*	*12/28/2023 19:19*							

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-7-6"** **Laboratory Sample ID:** **23L1295-13**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*13*		*12.2 %*	*19-105*	*12/27/2023 12:40*	*12/28/2023 19:19*						*DS*
Surr: 2-Fluorophenol (Surr)	*13*		*43.4 %*	*12-95*	*12/27/2023 12:40*	*12/28/2023 19:19*						
Surr: Nitrobenzene-d5 (Surr)	*13*		*52.0 %*	*21-100*	*12/27/2023 12:40*	*12/28/2023 19:19*						
Surr: Phenol-d5 (Surr)	*13*		*40.4 %*	*13-100*	*12/27/2023 12:40*	*12/28/2023 19:19*						
Surr: p-Terphenyl-d14 (Surr)	*13*		*23.4 %*	*25-125*	*12/27/2023 12:40*	*12/28/2023 19:19*						*DS*

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Client Sample ID: **BG-7-6"** **Laboratory Sample ID:** **23L1295-13**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Ion Chromatography Analyses												
Sulfate	13	14808-79-8	SW9056A	12/22/2023 10:00	12/22/2023 10:00	4.79	J	3.05	12.2	1	mg/kg dry	ATG

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Client Sample ID: **BG-7-6"** **Laboratory Sample ID:** **23L1295-13**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	13	7664-41-7	EPA350.1 R2.0	01/05/2024 15:22	01/05/2024 15:22	BLOD		12.1	12.1	1	mg/kg dry	LAM
Chromium, Hexavalent	13	18540-29-9	SW7199	01/04/2024 09:00	01/05/2024 02:45	BLOD		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	13	14797-55-8	SW9056A	12/22/2023 10:00	12/22/2023 10:00	BLOD		1.22	2.44	1	mg/kg dry	ATG
Percent Solids	13	NA	SM2540G-2011	12/22/2023 15:31	12/22/2023 15:31	82.1		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-7-12"** **Laboratory Sample ID:** **23L1295-14**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	14	7440-22-4	SW6020B	12/27/2023 11:15	01/05/2024 13:05	22.8		2.91	2.91	1	ug/kg dry	AB
Arsenic	14	7440-38-2	SW6020B	12/27/2023 11:15	01/05/2024 13:05	1680		58.1	58.1	1	ug/kg dry	AB
Barium	14RE1	7440-39-3	SW6020B	12/27/2023 11:15	01/05/2024 14:23	78700		58100	58100	100	ug/kg dry	AB
Beryllium	14	7440-41-7	SW6020B	12/27/2023 11:15	01/05/2024 13:05	410		58.1	58.1	1	ug/kg dry	AB
Cadmium	14	7440-43-9	SW6020B	12/27/2023 11:15	01/05/2024 13:05	BLOD		58.1	58.1	1	ug/kg dry	AB
Cobalt	14	7440-48-4	SW6020B	12/27/2023 11:15	01/05/2024 13:05	16900		58.1	58.1	1	ug/kg dry	AB
Chromium	14RE1	7440-47-3	SW6020B	12/27/2023 11:15	01/05/2024 14:23	73500		5810	5810	100	ug/kg dry	AB
Copper	14RE1	7440-50-8	SW6020B	12/27/2023 11:15	01/05/2024 14:23	41600		5810	5810	100	ug/kg dry	AB
Mercury	14	7439-97-6	SW7471B	01/05/2024 10:13	01/05/2024 14:42	0.065		0.009	0.009	1	mg/kg dry	ACM
Manganese	14RE1	7439-96-5	SW6020B	12/27/2023 11:15	01/05/2024 14:23	461000		5810	5810	100	ug/kg dry	AB
Nickel	14	7440-02-0	SW6020B	12/27/2023 11:15	01/05/2024 13:05	13600		58.1	58.1	1	ug/kg dry	AB
Lead	14RE1	7439-92-1	SW6020B	12/27/2023 11:15	01/05/2024 14:23	37500		5810	5810	100	ug/kg dry	AB
Antimony	14	7440-36-0	SW6020B	12/27/2023 11:15	01/05/2024 13:05	221		58.1	58.1	1	ug/kg dry	AB
Selenium	14	7782-49-2	SW6020B	12/27/2023 11:15	01/05/2024 13:05	1340		58.1	58.1	1	ug/kg dry	AB
Thallium	14	7440-28-0	SW6020B	12/27/2023 11:15	01/05/2024 13:05	116		58.1	58.1	1	ug/kg dry	AB
Vanadium	14RE1	7440-62-2	SW6020B	12/27/2023 11:15	01/05/2024 14:23	78000		29100	29100	100	ug/kg dry	AB
Zinc	14RE1	7440-66-6	SW6020B	12/27/2023 11:15	01/05/2024 14:23	54800		29100	29100	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	14	630-20-6	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
1,1,1-Trichloroethane	14	71-55-6	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	14	79-34-5	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
1,1,2-Trichloroethane	14	79-00-5	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
1,1-Dichloroethane	14	75-34-3	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
1,1-Dichloroethylene	14	75-35-4	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB

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Client Sample ID: **BG-7-12"** **Laboratory Sample ID:** **23L1295-14**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	14	563-58-6	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	14	87-61-6	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
1,2,3-Trichloropropane	14	96-18-4	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	14	120-82-1	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	14	95-63-6	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	14	96-12-8	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	14	106-93-4	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
1,2-Dichlorobenzene	14	95-50-1	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
1,2-Dichloroethane	14	107-06-2	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
1,2-Dichloropropane	14	78-87-5	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	14	108-67-8	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
1,3-Dichlorobenzene	14	541-73-1	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
1,3-Dichloropropane	14	142-28-9	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
1,4-Dichlorobenzene	14	106-46-7	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
2,2-Dichloropropane	14	594-20-7	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
2-Butanone (MEK)	14	78-93-3	SW8260D	12/22/2023 17:13	12/22/2023 17:13	8.15		7.19	7.19	1	ug/kg dry	RJB
2-Chlorotoluene	14	95-49-8	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
2-Hexanone (MBK)	14	591-78-6	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
4-Chlorotoluene	14	106-43-4	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
4-Isopropyltoluene	14	99-87-6	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	14	108-10-1	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
Acetone	14	67-64-1	SW8260D	12/22/2023 17:13	12/22/2023 17:13	182		14.4	14.4	1	ug/kg dry	RJB
Benzene	14	71-43-2	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
Bromobenzene	14	108-86-1	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	14	74-97-5	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
Bromodichloromethane	14	75-27-4	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
Bromoform	14	75-25-2	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
Bromomethane	14	74-83-9	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
Carbon disulfide	14	75-15-0	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
Carbon tetrachloride	14	56-23-5	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
Chlorobenzene	14	108-90-7	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
Chloroethane	14	75-00-3	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
Chloroform	14	67-66-3	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
Chloromethane	14	74-87-3	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	14	156-59-2	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	14	10061-01-5	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
Dibromochloromethane	14	124-48-1	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
Dibromomethane	14	74-95-3	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
Dichlorodifluoromethane	14	75-71-8	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	14	108-20-3	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
Ethylbenzene	14	100-41-4	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
Hexachlorobutadiene	14	87-68-3	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
Iodomethane	14	74-88-4	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		14.4	14.4	1	ug/kg dry	RJB
Isopropylbenzene	14	98-82-8	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
m+p-Xylenes	14	179601-23-1	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
Methylene chloride	14	75-09-2	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	14	1634-04-4	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	14	91-20-3	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
n-Butylbenzene	14	104-51-8	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
n-Propylbenzene	14	103-65-1	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
o-Xylene	14	95-47-6	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
sec-Butylbenzene	14	135-98-8	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
Styrene	14	100-42-5	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
tert-Butylbenzene	14	98-06-6	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	14	127-18-4	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
Toluene	14	108-88-3	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	14	156-60-5	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	14	10061-02-6	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
Trichloroethylene	14	79-01-6	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
Trichlorofluoromethane	14	75-69-4	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
Vinyl acetate	14	108-05-4	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	14.4	1	ug/kg dry	RJB
Vinyl chloride	14	75-01-4	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		7.19	7.19	1	ug/kg dry	RJB
Xylenes, Total	14	1330-20-7	SW8260D	12/22/2023 17:13	12/22/2023 17:13	BLOD		21.6	21.6	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*14*		*110 %*	*80-120*	*12/22/2023 17:13*	*12/22/2023 17:13*						
Surr: 4-Bromofluorobenzene (Surr)	*14*		*94.7 %*	*85-120*	*12/22/2023 17:13*	*12/22/2023 17:13*						
Surr: Dibromofluoromethane (Surr)	*14*		*102 %*	*80-130*	*12/22/2023 17:13*	*12/22/2023 17:13*						
Surr: Toluene-d8 (Surr)	*14*		*102 %*	*85-115*	*12/22/2023 17:13*	*12/22/2023 17:13*						

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-7-12"** **Laboratory Sample ID:** **23L1295-14**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	14	123-91-1	SW8270E SIM	12/27/2023 12:40	12/28/2023 21:32	BLOD		3.97	3.97	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*14*	*67.4 %*	*35-100*	*12/27/2023 12:40*	*12/28/2023 21:32*							
1,2,4,5-Tetrachlorobenzene	14	95-94-3	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
1,2,4-Trichlorobenzene	14	120-82-1	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
1,2-Dichlorobenzene	14	95-50-1	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
1,2-Diphenylhydrazine	14	122-66-7	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
1,3-Dichlorobenzene	14	541-73-1	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
1,3-Dinitrobenzene	14	99-65-0	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
1,4-Dichlorobenzene	14	106-46-7	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
1-Chloronaphthalene	14	90-13-1	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
1-Naphthylamine	14	134-32-7	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
2,3,4,6-Tetrachlorophenol	14	58-90-2	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
2,4,5-Trichlorophenol	14	95-95-4	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
2,4,6-Trichlorophenol	14	88-06-2	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
2,4-Dichlorophenol	14	120-83-2	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
2,4-Dimethylphenol	14	105-67-9	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
2,4-Dinitrophenol	14	51-28-5	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
2,4-Dinitrotoluene	14	121-14-2	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
2,6-Dichlorophenol	14	87-65-0	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
2,6-Dinitrotoluene	14	606-20-2	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
2-Chloronaphthalene	14	91-58-7	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
2-Chlorophenol	14	95-57-8	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
2-Methylnaphthalene	14	91-57-6	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR

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Client Sample ID: **BG-7-12"** **Laboratory Sample ID:** **23L1295-14**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	14	91-59-8	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
2-Nitroaniline	14	88-74-4	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
2-Nitrophenol	14	88-75-5	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
3,3'-Dichlorobenzidine	14	91-94-1	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
3-Methylcholanthrene	14	56-49-5	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
3-Nitroaniline	14	99-09-2	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
4,6-Dinitro-2-methylphenol	14	534-52-1	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
4-Aminobiphenyl	14	92-67-1	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
4-Bromophenyl phenyl ether	14	101-55-3	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
4-Chloroaniline	14	106-47-8	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
4-Chlorophenyl phenyl ether	14	7005-72-3	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
4-Nitroaniline	14	100-01-6	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
4-Nitrophenol	14	100-02-7	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
7,12-Dimethylbenz (a) anthracene	14	57-97-6	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
Acenaphthene	14	83-32-9	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
Acenaphthylene	14	208-96-8	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
Acetophenone	14	98-86-2	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
Aniline	14	62-53-3	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
Anthracene	14	120-12-7	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
Benzidine	14	92-87-5	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
Benzo (a) anthracene	14	56-55-3	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
Benzo (a) pyrene	14	50-32-8	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
Benzo (b) fluoranthene	14	205-99-2	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
Benzo (g,h,i) perylene	14	191-24-2	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD	C	99.4	99.4	1	ug/kg dry	ZDR

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Client Sample ID: **BG-7-12"** **Laboratory Sample ID:** **23L1295-14**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	14	207-08-9	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
Benzoic acid	14	65-85-0	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD	C	99.4	99.4	1	ug/kg dry	ZDR
Benzyl alcohol	14	100-51-6	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
bis (2-Chloroethoxy) methane	14	111-91-1	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
bis (2-Chloroethyl) ether	14	111-44-4	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
2,2'-Oxybis (1-chloropropane)	14	108-60-1	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
bis (2-Ethylhexyl) phthalate	14	117-81-7	SW8270E	12/27/2023 12:40	12/28/2023 19:55	385		99.4	99.4	1	ug/kg dry	ZDR
Butyl benzyl phthalate	14	85-68-7	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
Chrysene	14	218-01-9	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
Dibenz (a,h) anthracene	14	53-70-3	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD	C	99.4	99.4	1	ug/kg dry	ZDR
Dibenz (a,j) acridine	14	224-42-0	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD	C	99.4	99.4	1	ug/kg dry	ZDR
Dibenzofuran	14	132-64-9	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
Diethyl phthalate	14	84-66-2	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
Dimethyl phthalate	14	131-11-3	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
Di-n-butyl phthalate	14	84-74-2	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
Di-n-octyl phthalate	14	117-84-0	SW8270E	12/27/2023 12:40	12/28/2023 19:55	657		99.4	99.4	1	ug/kg dry	ZDR
Diphenylamine	14	122-39-4	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
Ethyl methanesulfonate	14	62-50-0	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
Fluoranthene	14	206-44-0	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
Fluorene	14	86-73-7	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
Hexachlorobenzene	14	118-74-1	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
Hexachlorobutadiene	14	87-68-3	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
Hexachlorocyclopentadiene	14	77-47-4	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
Hexachloroethane	14	67-72-1	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR

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Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	14	193-39-5	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD	C	99.4	99.4	1	ug/kg dry	ZDR
Isophorone	14	78-59-1	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD	C	99.4	99.4	1	ug/kg dry	ZDR
m+p-Cresols	14	1319-77-3	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
Methyl methanesulfonate	14	66-27-3	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
Naphthalene	14	91-20-3	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
Nitrobenzene	14	98-95-3	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
n-Nitrosodimethylamine	14	62-75-9	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD	C	99.4	99.4	1	ug/kg dry	ZDR
n-Nitrosodi-n-butylamine	14	924-16-3	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
n-Nitrosodi-n-propylamine	14	621-64-7	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
n-Nitrosodiphenylamine	14	86-30-6	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
n-Nitrosopiperidine	14	100-75-4	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
o+m+p-Cresols	14	1319-77-3	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
o-Cresol	14	95-48-7	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
p-(Dimethylamino) azobenzene	14	60-11-7	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
p-Chloro-m-cresol	14	59-50-7	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
Pentachloronitrobenzene (quintozene)	14	82-68-8	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
Pentachlorophenol	14	87-86-5	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD	C	99.4	99.4	1	ug/kg dry	ZDR
Phenacetin	14	62-44-2	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
Phenanthrene	14	85-01-8	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
Phenol	14	108-95-2	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
Pronamide	14	23950-58-5	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
Pyrene	14	129-00-0	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD		99.4	99.4	1	ug/kg dry	ZDR
Pyridine	14	110-86-1	SW8270E	12/27/2023 12:40	12/28/2023 19:55	BLOD	C	99.4	99.4	1	ug/kg dry	ZDR
Surr: 2,4,6-Tribromophenol (Surr)	*14*	*55.4 %*	*15-96*	*12/27/2023 12:40*	*12/28/2023 19:55*							

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Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*14*		*43.4 %*	*19-105*	*12/27/2023 12:40*	*12/28/2023 19:55*						
Surr: 2-Fluorophenol (Surr)	*14*		*58.7 %*	*12-95*	*12/27/2023 12:40*	*12/28/2023 19:55*						
Surr: Nitrobenzene-d5 (Surr)	*14*		*59.7 %*	*21-100*	*12/27/2023 12:40*	*12/28/2023 19:55*						
Surr: Phenol-d5 (Surr)	*14*		*49.9 %*	*13-100*	*12/27/2023 12:40*	*12/28/2023 19:55*						
Surr: p-Terphenyl-d14 (Surr)	*14*		*47.4 %*	*25-125*	*12/27/2023 12:40*	*12/28/2023 19:55*						

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Client Sample ID: **BG-7-12"** **Laboratory Sample ID:** **23L1295-14**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	14	14808-79-8	SW9056A	12/22/2023 10:00	12/22/2023 10:00	13.7		3.03	12.1	1	mg/kg dry	ATG

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Client Sample ID: **BG-7-12"** **Laboratory Sample ID:** **23L1295-14**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	14	7664-41-7	EPA350.1 R2.0	01/05/2024 15:22	01/05/2024 15:22	BLOD		11.9	11.9	1	mg/kg dry	LAM
Chromium, Hexavalent	14	18540-29-9	SW7199	01/04/2024 09:00	01/05/2024 03:12	0.91		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	14	14797-55-8	SW9056A	12/22/2023 10:00	12/22/2023 10:00	BLOD		1.21	2.43	1	mg/kg dry	ATG
Percent Solids	14	NA	SM2540G-2011	12/26/2023 16:15	12/26/2023 16:15	82.4		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-8-6"** **Laboratory Sample ID:** **23L1295-15**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	15	7440-22-4	SW6020B	12/27/2023 11:15	01/05/2024 13:08	22.7		2.84	2.84	1	ug/kg dry	AB
Arsenic	15	7440-38-2	SW6020B	12/27/2023 11:15	01/05/2024 13:08	1670		56.7	56.7	1	ug/kg dry	AB
Barium	15RE1	7440-39-3	SW6020B	12/27/2023 11:15	01/05/2024 14:27	97000		56700	56700	100	ug/kg dry	AB
Beryllium	15	7440-41-7	SW6020B	12/27/2023 11:15	01/05/2024 13:08	562		56.7	56.7	1	ug/kg dry	AB
Cadmium	15	7440-43-9	SW6020B	12/27/2023 11:15	01/05/2024 13:08	117		56.7	56.7	1	ug/kg dry	AB
Cobalt	15RE1	7440-48-4	SW6020B	12/27/2023 11:15	01/05/2024 14:27	88600		5670	5670	100	ug/kg dry	AB
Chromium	15RE1	7440-47-3	SW6020B	12/27/2023 11:15	01/05/2024 14:27	66000		5670	5670	100	ug/kg dry	AB
Copper	15RE1	7440-50-8	SW6020B	12/27/2023 11:15	01/05/2024 14:27	44300		5670	5670	100	ug/kg dry	AB
Mercury	15	7439-97-6	SW7471B	01/05/2024 10:13	01/05/2024 14:44	0.032		0.009	0.009	1	mg/kg dry	ACM
Manganese	15RE1	7439-96-5	SW6020B	12/27/2023 11:15	01/05/2024 14:27	1060000		5670	5670	100	ug/kg dry	AB
Nickel	15	7440-02-0	SW6020B	12/27/2023 11:15	01/05/2024 13:08	19600		56.7	56.7	1	ug/kg dry	AB
Lead	15RE1	7439-92-1	SW6020B	12/27/2023 11:15	01/05/2024 14:27	47600		5670	5670	100	ug/kg dry	AB
Antimony	15	7440-36-0	SW6020B	12/27/2023 11:15	01/05/2024 13:08	224		56.7	56.7	1	ug/kg dry	AB
Selenium	15	7782-49-2	SW6020B	12/27/2023 11:15	01/05/2024 13:08	2850		56.7	56.7	1	ug/kg dry	AB
Thallium	15	7440-28-0	SW6020B	12/27/2023 11:15	01/05/2024 13:08	71.3		56.7	56.7	1	ug/kg dry	AB
Vanadium	15RE1	7440-62-2	SW6020B	12/27/2023 11:15	01/05/2024 14:27	108000		28400	28400	100	ug/kg dry	AB
Zinc	15RE1	7440-66-6	SW6020B	12/27/2023 11:15	01/05/2024 14:27	58200		28400	28400	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	15	630-20-6	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
1,1,1-Trichloroethane	15	71-55-6	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	15	79-34-5	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
1,1,2-Trichloroethane	15	79-00-5	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
1,1-Dichloroethane	15	75-34-3	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
1,1-Dichloroethylene	15	75-35-4	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB

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Client Sample ID: **BG-8-6"** **Laboratory Sample ID:** **23L1295-15**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	15	563-58-6	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	15	87-61-6	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
1,2,3-Trichloropropane	15	96-18-4	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	15	120-82-1	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	15	95-63-6	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	15	96-12-8	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	15	106-93-4	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
1,2-Dichlorobenzene	15	95-50-1	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
1,2-Dichloroethane	15	107-06-2	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
1,2-Dichloropropane	15	78-87-5	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	15	108-67-8	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
1,3-Dichlorobenzene	15	541-73-1	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
1,3-Dichloropropane	15	142-28-9	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
1,4-Dichlorobenzene	15	106-46-7	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
2,2-Dichloropropane	15	594-20-7	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
2-Butanone (MEK)	15	78-93-3	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
2-Chlorotoluene	15	95-49-8	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
2-Hexanone (MBK)	15	591-78-6	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
4-Chlorotoluene	15	106-43-4	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
4-Isopropyltoluene	15	99-87-6	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	15	108-10-1	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
Acetone	15	67-64-1	SW8260D	12/22/2023 17:37	12/22/2023 17:37	114		11.1	11.1	1	ug/kg dry	RJB
Benzene	15	71-43-2	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
Bromobenzene	15	108-86-1	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB

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Client Sample ID: **BG-8-6"** **Laboratory Sample ID:** **23L1295-15**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	15	74-97-5	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
Bromodichloromethane	15	75-27-4	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
Bromoform	15	75-25-2	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
Bromomethane	15	74-83-9	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
Carbon disulfide	15	75-15-0	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
Carbon tetrachloride	15	56-23-5	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
Chlorobenzene	15	108-90-7	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
Chloroethane	15	75-00-3	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
Chloroform	15	67-66-3	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
Chloromethane	15	74-87-3	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	15	156-59-2	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	15	10061-01-5	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
Dibromochloromethane	15	124-48-1	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
Dibromomethane	15	74-95-3	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
Dichlorodifluoromethane	15	75-71-8	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	15	108-20-3	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
Ethylbenzene	15	100-41-4	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
Hexachlorobutadiene	15	87-68-3	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
Iodomethane	15	74-88-4	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		11.1	11.1	1	ug/kg dry	RJB
Isopropylbenzene	15	98-82-8	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
m+p-Xylenes	15	179601-23-1	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
Methylene chloride	15	75-09-2	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	15	1634-04-4	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB

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Client Sample ID: **BG-8-6"** **Laboratory Sample ID:** **23L1295-15**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	15	91-20-3	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
n-Butylbenzene	15	104-51-8	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
n-Propylbenzene	15	103-65-1	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
o-Xylene	15	95-47-6	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
sec-Butylbenzene	15	135-98-8	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
Styrene	15	100-42-5	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
tert-Butylbenzene	15	98-06-6	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	15	127-18-4	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
Toluene	15	108-88-3	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	15	156-60-5	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	15	10061-02-6	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
Trichloroethylene	15	79-01-6	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
Trichlorofluoromethane	15	75-69-4	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
Vinyl acetate	15	108-05-4	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	11.1	1	ug/kg dry	RJB
Vinyl chloride	15	75-01-4	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		5.56	5.56	1	ug/kg dry	RJB
Xylenes, Total	15	1330-20-7	SW8260D	12/22/2023 17:37	12/22/2023 17:37	BLOD		16.7	16.7	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*15*		*108 %*	*80-120*	*12/22/2023 17:37*	*12/22/2023 17:37*						
Surr: 4-Bromofluorobenzene (Surr)	*15*		*96.4 %*	*85-120*	*12/22/2023 17:37*	*12/22/2023 17:37*						
Surr: Dibromofluoromethane (Surr)	*15*		*103 %*	*80-130*	*12/22/2023 17:37*	*12/22/2023 17:37*						
Surr: Toluene-d8 (Surr)	*15*		*101 %*	*85-115*	*12/22/2023 17:37*	*12/22/2023 17:37*						

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Client Sample ID: **BG-8-6"** **Laboratory Sample ID:** **23L1295-15**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	15	123-91-1	SW8270E SIM	12/27/2023 12:40	12/28/2023 21:59	BLOD		4.06	4.06	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*15*	*18.2 %*	*35-100*	*12/27/2023 12:40*	*12/28/2023 21:59*							*S*
1,2,4,5-Tetrachlorobenzene	15	95-94-3	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
1,2,4-Trichlorobenzene	15	120-82-1	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
1,2-Dichlorobenzene	15	95-50-1	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
1,2-Diphenylhydrazine	15	122-66-7	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
1,3-Dichlorobenzene	15	541-73-1	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
1,3-Dinitrobenzene	15	99-65-0	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
1,4-Dichlorobenzene	15	106-46-7	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
1-Chloronaphthalene	15	90-13-1	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
1-Naphthylamine	15	134-32-7	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
2,3,4,6-Tetrachlorophenol	15	58-90-2	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
2,4,5-Trichlorophenol	15	95-95-4	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
2,4,6-Trichlorophenol	15	88-06-2	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
2,4-Dichlorophenol	15	120-83-2	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
2,4-Dimethylphenol	15	105-67-9	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
2,4-Dinitrophenol	15	51-28-5	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
2,4-Dinitrotoluene	15	121-14-2	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
2,6-Dichlorophenol	15	87-65-0	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
2,6-Dinitrotoluene	15	606-20-2	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
2-Chloronaphthalene	15	91-58-7	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
2-Chlorophenol	15	95-57-8	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
2-Methylnaphthalene	15	91-57-6	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-8-6"** **Laboratory Sample ID:** **23L1295-15**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	15	91-59-8	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
2-Nitroaniline	15	88-74-4	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
2-Nitrophenol	15	88-75-5	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
3,3'-Dichlorobenzidine	15	91-94-1	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
3-Methylcholanthrene	15	56-49-5	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
3-Nitroaniline	15	99-09-2	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
4,6-Dinitro-2-methylphenol	15	534-52-1	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
4-Aminobiphenyl	15	92-67-1	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
4-Bromophenyl phenyl ether	15	101-55-3	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
4-Chloroaniline	15	106-47-8	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
4-Chlorophenyl phenyl ether	15	7005-72-3	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
4-Nitroaniline	15	100-01-6	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
4-Nitrophenol	15	100-02-7	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
7,12-Dimethylbenz (a) anthracene	15	57-97-6	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Acenaphthene	15	83-32-9	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Acenaphthylene	15	208-96-8	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Acetophenone	15	98-86-2	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Aniline	15	62-53-3	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Anthracene	15	120-12-7	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Benzidine	15	92-87-5	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Benzo (a) anthracene	15	56-55-3	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Benzo (a) pyrene	15	50-32-8	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Benzo (b) fluoranthene	15	205-99-2	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Benzo (g,h,i) perylene	15	191-24-2	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD	C	101	101	1	ug/kg dry	ZDR

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-8-6"** **Laboratory Sample ID:** **23L1295-15**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	15	207-08-9	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Benzoic acid	15	65-85-0	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD	C	101	101	1	ug/kg dry	ZDR
Benzyl alcohol	15	100-51-6	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
bis (2-Chloroethoxy) methane	15	111-91-1	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
bis (2-Chloroethyl) ether	15	111-44-4	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
2,2'-Oxybis (1-chloropropane)	15	108-60-1	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
bis (2-Ethylhexyl) phthalate	15	117-81-7	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Butyl benzyl phthalate	15	85-68-7	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Chrysene	15	218-01-9	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Dibenz (a,h) anthracene	15	53-70-3	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD	C	101	101	1	ug/kg dry	ZDR
Dibenz (a,j) acridine	15	224-42-0	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD	C	101	101	1	ug/kg dry	ZDR
Dibenzofuran	15	132-64-9	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Diethyl phthalate	15	84-66-2	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Dimethyl phthalate	15	131-11-3	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Di-n-butyl phthalate	15	84-74-2	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Di-n-octyl phthalate	15	117-84-0	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Diphenylamine	15	122-39-4	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Ethyl methanesulfonate	15	62-50-0	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Fluoranthene	15	206-44-0	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Fluorene	15	86-73-7	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Hexachlorobenzene	15	118-74-1	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Hexachlorobutadiene	15	87-68-3	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Hexachlorocyclopentadiene	15	77-47-4	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Hexachloroethane	15	67-72-1	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-8-6"** **Laboratory Sample ID:** **23L1295-15**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	15	193-39-5	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD	C	101	101	1	ug/kg dry	ZDR
Isophorone	15	78-59-1	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD	C	101	101	1	ug/kg dry	ZDR
m+p-Cresols	15	1319-77-3	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Methyl methanesulfonate	15	66-27-3	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Naphthalene	15	91-20-3	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Nitrobenzene	15	98-95-3	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
n-Nitrosodimethylamine	15	62-75-9	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD	C	101	101	1	ug/kg dry	ZDR
n-Nitrosodi-n-butylamine	15	924-16-3	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
n-Nitrosodi-n-propylamine	15	621-64-7	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
n-Nitrosodiphenylamine	15	86-30-6	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
n-Nitrosopiperidine	15	100-75-4	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
o+m+p-Cresols	15	1319-77-3	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
o-Cresol	15	95-48-7	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
p-(Dimethylamino) azobenzene	15	60-11-7	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
p-Chloro-m-cresol	15	59-50-7	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Pentachloronitrobenzene (quintozene)	15	82-68-8	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Pentachlorophenol	15	87-86-5	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD	C	101	101	1	ug/kg dry	ZDR
Phenacetin	15	62-44-2	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Phenanthrene	15	85-01-8	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Phenol	15	108-95-2	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Pronamide	15	23950-58-5	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Pyrene	15	129-00-0	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD		101	101	1	ug/kg dry	ZDR
Pyridine	15	110-86-1	SW8270E	12/27/2023 12:40	12/28/2023 20:32	BLOD	C	101	101	1	ug/kg dry	ZDR
Surr: 2,4,6-Tribromophenol (Surr)	*15*	*44.6 %*	*15-96*	*12/27/2023 12:40*	*12/28/2023 20:32*							

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Client Sample ID: **BG-8-6"** **Laboratory Sample ID:** **23L1295-15**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*15*		*31.7 %*	*19-105*	*12/27/2023 12:40*	*12/28/2023 20:32*						
Surr: 2-Fluorophenol (Surr)	*15*		*42.0 %*	*12-95*	*12/27/2023 12:40*	*12/28/2023 20:32*						
Surr: Nitrobenzene-d5 (Surr)	*15*		*42.3 %*	*21-100*	*12/27/2023 12:40*	*12/28/2023 20:32*						
Surr: Phenol-d5 (Surr)	*15*		*36.9 %*	*13-100*	*12/27/2023 12:40*	*12/28/2023 20:32*						
Surr: p-Terphenyl-d14 (Surr)	*15*		*50.6 %*	*25-125*	*12/27/2023 12:40*	*12/28/2023 20:32*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	15	14808-79-8	SW9056A	12/22/2023 10:00	12/22/2023 10:00	17.5		3.05	12.2	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	15	7664-41-7	EPA350.1 R2.0	01/05/2024 15:22	01/05/2024 15:22	BLOD		11.5	11.5	1	mg/kg dry	LAM
Chromium, Hexavalent	15	18540-29-9	SW7199	01/04/2024 09:00	01/05/2024 03:38	1.12		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	15	14797-55-8	SW9056A	12/22/2023 10:00	12/22/2023 10:00	BLOD		1.22	2.44	1	mg/kg dry	ATG
Percent Solids	15	NA	SM2540G-2011	12/26/2023 16:15	12/26/2023 16:15	81.8		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-8-12"** **Laboratory Sample ID:** **23L1295-16**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	16	7440-22-4	SW6020B	12/27/2023 11:15	01/05/2024 13:11	22.8		2.96	2.96	1	ug/kg dry	AB
Arsenic	16	7440-38-2	SW6020B	12/27/2023 11:15	01/05/2024 13:11	1270		59.3	59.3	1	ug/kg dry	AB
Barium	16RE1	7440-39-3	SW6020B	12/27/2023 11:15	01/05/2024 14:30	65100		59300	59300	100	ug/kg dry	AB
Beryllium	16	7440-41-7	SW6020B	12/27/2023 11:15	01/05/2024 13:11	327		59.3	59.3	1	ug/kg dry	AB
Cadmium	16	7440-43-9	SW6020B	12/27/2023 11:15	01/05/2024 13:11	95.3		59.3	59.3	1	ug/kg dry	AB
Cobalt	16	7440-48-4	SW6020B	12/27/2023 11:15	01/05/2024 13:11	10000		59.3	59.3	1	ug/kg dry	AB
Chromium	16RE1	7440-47-3	SW6020B	12/27/2023 11:15	01/05/2024 14:30	39100		5930	5930	100	ug/kg dry	AB
Copper	16	7440-50-8	SW6020B	12/27/2023 11:15	01/05/2024 13:11	24900		59.3	59.3	1	ug/kg dry	AB
Mercury	16	7439-97-6	SW7471B	01/05/2024 10:13	01/05/2024 14:47	0.041		0.009	0.009	1	mg/kg dry	ACM
Manganese	16RE1	7439-96-5	SW6020B	12/27/2023 11:15	01/05/2024 14:30	320000		5930	5930	100	ug/kg dry	AB
Nickel	16	7440-02-0	SW6020B	12/27/2023 11:15	01/05/2024 13:11	10400		59.3	59.3	1	ug/kg dry	AB
Lead	16RE1	7439-92-1	SW6020B	12/27/2023 11:15	01/05/2024 14:30	36000		5930	5930	100	ug/kg dry	AB
Antimony	16	7440-36-0	SW6020B	12/27/2023 11:15	01/05/2024 13:11	175		59.3	59.3	1	ug/kg dry	AB
Selenium	16	7782-49-2	SW6020B	12/27/2023 11:15	01/05/2024 13:11	1910		59.3	59.3	1	ug/kg dry	AB
Thallium	16	7440-28-0	SW6020B	12/27/2023 11:15	01/05/2024 13:11	68.1		59.3	59.3	1	ug/kg dry	AB
Vanadium	16RE1	7440-62-2	SW6020B	12/27/2023 11:15	01/05/2024 14:30	54700		29600	29600	100	ug/kg dry	AB
Zinc	16RE1	7440-66-6	SW6020B	12/27/2023 11:15	01/05/2024 14:30	54200		29600	29600	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	16	630-20-6	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,1,1-Trichloroethane	16	71-55-6	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	16	79-34-5	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,1,2-Trichloroethane	16	79-00-5	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,1-Dichloroethane	16	75-34-3	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,1-Dichloroethylene	16	75-35-4	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB

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Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-8-12"** **Laboratory Sample ID:** **23L1295-16**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	16	563-58-6	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	16	87-61-6	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,2,3-Trichloropropane	16	96-18-4	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	16	120-82-1	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	16	95-63-6	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	16	96-12-8	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	16	106-93-4	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,2-Dichlorobenzene	16	95-50-1	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,2-Dichloroethane	16	107-06-2	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,2-Dichloropropane	16	78-87-5	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	16	108-67-8	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,3-Dichlorobenzene	16	541-73-1	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,3-Dichloropropane	16	142-28-9	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
1,4-Dichlorobenzene	16	106-46-7	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
2,2-Dichloropropane	16	594-20-7	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
2-Butanone (MEK)	16	78-93-3	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
2-Chlorotoluene	16	95-49-8	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
2-Hexanone (MBK)	16	591-78-6	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
4-Chlorotoluene	16	106-43-4	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
4-Isopropyltoluene	16	99-87-6	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	16	108-10-1	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
Acetone	16	67-64-1	SW8260D	12/22/2023 18:00	12/22/2023 18:00	92.1		11.5	11.5	1	ug/kg dry	RJB
Benzene	16	71-43-2	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
Bromobenzene	16	108-86-1	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-8-12"** **Laboratory Sample ID:** **23L1295-16**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	16	74-97-5	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
Bromodichloromethane	16	75-27-4	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
Bromoform	16	75-25-2	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
Bromomethane	16	74-83-9	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
Carbon disulfide	16	75-15-0	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
Carbon tetrachloride	16	56-23-5	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
Chlorobenzene	16	108-90-7	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
Chloroethane	16	75-00-3	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
Chloroform	16	67-66-3	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
Chloromethane	16	74-87-3	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	16	156-59-2	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	16	10061-01-5	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
Dibromochloromethane	16	124-48-1	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
Dibromomethane	16	74-95-3	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
Dichlorodifluoromethane	16	75-71-8	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	16	108-20-3	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
Ethylbenzene	16	100-41-4	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
Hexachlorobutadiene	16	87-68-3	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
Iodomethane	16	74-88-4	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		11.5	11.5	1	ug/kg dry	RJB
Isopropylbenzene	16	98-82-8	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
m+p-Xylenes	16	179601-23-1	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
Methylene chloride	16	75-09-2	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	16	1634-04-4	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-8-12"** **Laboratory Sample ID:** **23L1295-16**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	16	91-20-3	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
n-Butylbenzene	16	104-51-8	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
n-Propylbenzene	16	103-65-1	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
o-Xylene	16	95-47-6	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
sec-Butylbenzene	16	135-98-8	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
Styrene	16	100-42-5	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
tert-Butylbenzene	16	98-06-6	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	16	127-18-4	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
Toluene	16	108-88-3	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	16	156-60-5	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	16	10061-02-6	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
Trichloroethylene	16	79-01-6	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
Trichlorofluoromethane	16	75-69-4	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
Vinyl acetate	16	108-05-4	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	11.5	1	ug/kg dry	RJB
Vinyl chloride	16	75-01-4	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		5.76	5.76	1	ug/kg dry	RJB
Xylenes, Total	16	1330-20-7	SW8260D	12/22/2023 18:00	12/22/2023 18:00	BLOD		17.3	17.3	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*16*		*107 %*	*80-120*	*12/22/2023 18:00*	*12/22/2023 18:00*						
Surr: 4-Bromofluorobenzene (Surr)	*16*		*95.3 %*	*85-120*	*12/22/2023 18:00*	*12/22/2023 18:00*						
Surr: Dibromofluoromethane (Surr)	*16*		*103 %*	*80-130*	*12/22/2023 18:00*	*12/22/2023 18:00*						
Surr: Toluene-d8 (Surr)	*16*		*101 %*	*85-115*	*12/22/2023 18:00*	*12/22/2023 18:00*						

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Client Sample ID: **BG-8-12"** **Laboratory Sample ID:** **23L1295-16**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	16	123-91-1	SW8270E SIM	12/27/2023 12:40	12/28/2023 22:24	27.8		3.96	3.96	1	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*16*	*78.0 %*	*35-100*	*12/27/2023 12:40*	*12/28/2023 22:24*							
1,2,4,5-Tetrachlorobenzene	16	95-94-3	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
1,2,4-Trichlorobenzene	16	120-82-1	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
1,2-Dichlorobenzene	16	95-50-1	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
1,2-Diphenylhydrazine	16	122-66-7	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
1,3-Dichlorobenzene	16	541-73-1	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
1,3-Dinitrobenzene	16	99-65-0	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
1,4-Dichlorobenzene	16	106-46-7	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
1-Chloronaphthalene	16	90-13-1	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
1-Naphthylamine	16	134-32-7	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
2,3,4,6-Tetrachlorophenol	16	58-90-2	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
2,4,5-Trichlorophenol	16	95-95-4	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
2,4,6-Trichlorophenol	16	88-06-2	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
2,4-Dichlorophenol	16	120-83-2	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
2,4-Dimethylphenol	16	105-67-9	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
2,4-Dinitrophenol	16	51-28-5	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
2,4-Dinitrotoluene	16	121-14-2	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
2,6-Dichlorophenol	16	87-65-0	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
2,6-Dinitrotoluene	16	606-20-2	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
2-Chloronaphthalene	16	91-58-7	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
2-Chlorophenol	16	95-57-8	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
2-Methylnaphthalene	16	91-57-6	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR

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Client Sample ID: **BG-8-12"** **Laboratory Sample ID:** **23L1295-16**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	16	91-59-8	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
2-Nitroaniline	16	88-74-4	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
2-Nitrophenol	16	88-75-5	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
3,3'-Dichlorobenzidine	16	91-94-1	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
3-Methylcholanthrene	16	56-49-5	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
3-Nitroaniline	16	99-09-2	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
4,6-Dinitro-2-methylphenol	16	534-52-1	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
4-Aminobiphenyl	16	92-67-1	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
4-Bromophenyl phenyl ether	16	101-55-3	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
4-Chloroaniline	16	106-47-8	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
4-Chlorophenyl phenyl ether	16	7005-72-3	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
4-Nitroaniline	16	100-01-6	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
4-Nitrophenol	16	100-02-7	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
7,12-Dimethylbenz (a) anthracene	16	57-97-6	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Acenaphthene	16	83-32-9	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Acenaphthylene	16	208-96-8	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Acetophenone	16	98-86-2	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Aniline	16	62-53-3	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Anthracene	16	120-12-7	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Benzidine	16	92-87-5	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Benzo (a) anthracene	16	56-55-3	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Benzo (a) pyrene	16	50-32-8	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Benzo (b) fluoranthene	16	205-99-2	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Benzo (g,h,i) perylene	16	191-24-2	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD	C	99.1	99.1	1	ug/kg dry	ZDR

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-8-12"** **Laboratory Sample ID:** **23L1295-16**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	16	207-08-9	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Benzoic acid	16	65-85-0	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD	C	99.1	99.1	1	ug/kg dry	ZDR
Benzyl alcohol	16	100-51-6	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
bis (2-Chloroethoxy) methane	16	111-91-1	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
bis (2-Chloroethyl) ether	16	111-44-4	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
2,2'-Oxybis (1-chloropropane)	16	108-60-1	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
bis (2-Ethylhexyl) phthalate	16	117-81-7	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Butyl benzyl phthalate	16	85-68-7	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Chrysene	16	218-01-9	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Dibenz (a,h) anthracene	16	53-70-3	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD	C	99.1	99.1	1	ug/kg dry	ZDR
Dibenz (a,j) acridine	16	224-42-0	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD	C	99.1	99.1	1	ug/kg dry	ZDR
Dibenzofuran	16	132-64-9	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Diethyl phthalate	16	84-66-2	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Dimethyl phthalate	16	131-11-3	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Di-n-butyl phthalate	16	84-74-2	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Di-n-octyl phthalate	16	117-84-0	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Diphenylamine	16	122-39-4	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Ethyl methanesulfonate	16	62-50-0	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Fluoranthene	16	206-44-0	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Fluorene	16	86-73-7	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Hexachlorobenzene	16	118-74-1	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Hexachlorobutadiene	16	87-68-3	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Hexachlorocyclopentadiene	16	77-47-4	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Hexachloroethane	16	67-72-1	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **BG-8-12"** **Laboratory Sample ID:** **23L1295-16**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	16	193-39-5	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD	C	99.1	99.1	1	ug/kg dry	ZDR
Isophorone	16	78-59-1	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD	C	99.1	99.1	1	ug/kg dry	ZDR
m+p-Cresols	16	1319-77-3	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Methyl methanesulfonate	16	66-27-3	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Naphthalene	16	91-20-3	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Nitrobenzene	16	98-95-3	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
n-Nitrosodimethylamine	16	62-75-9	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD	C	99.1	99.1	1	ug/kg dry	ZDR
n-Nitrosodi-n-butylamine	16	924-16-3	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
n-Nitrosodi-n-propylamine	16	621-64-7	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
n-Nitrosodiphenylamine	16	86-30-6	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
n-Nitrosopiperidine	16	100-75-4	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
o+m+p-Cresols	16	1319-77-3	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
o-Cresol	16	95-48-7	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
p-(Dimethylamino) azobenzene	16	60-11-7	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
p-Chloro-m-cresol	16	59-50-7	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Pentachloronitrobenzene (quintozene)	16	82-68-8	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Pentachlorophenol	16	87-86-5	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD	C	99.1	99.1	1	ug/kg dry	ZDR
Phenacetin	16	62-44-2	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Phenanthrene	16	85-01-8	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Phenol	16	108-95-2	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Pronamide	16	23950-58-5	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Pyrene	16	129-00-0	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD		99.1	99.1	1	ug/kg dry	ZDR
Pyridine	16	110-86-1	SW8270E	12/27/2023 12:40	12/28/2023 21:09	BLOD	C	99.1	99.1	1	ug/kg dry	ZDR
Surr: 2,4,6-Tribromophenol (Surr)	*16*	*48.2 %*	*15-96*	*12/27/2023 12:40*	*12/28/2023 21:09*							

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*16*		*42.3 %*	*19-105*	*12/27/2023 12:40*	*12/28/2023 21:09*						
Surr: 2-Fluorophenol (Surr)	*16*		*49.4 %*	*12-95*	*12/27/2023 12:40*	*12/28/2023 21:09*						
Surr: Nitrobenzene-d5 (Surr)	*16*		*52.0 %*	*21-100*	*12/27/2023 12:40*	*12/28/2023 21:09*						
Surr: Phenol-d5 (Surr)	*16*		*44.7 %*	*13-100*	*12/27/2023 12:40*	*12/28/2023 21:09*						
Surr: p-Terphenyl-d14 (Surr)	*16*		*48.8 %*	*25-125*	*12/27/2023 12:40*	*12/28/2023 21:09*						

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Ion Chromatography Analyses												
Sulfate	16	14808-79-8	SW9056A	12/22/2023 10:00	12/22/2023 10:00	4.06	J	2.99	12.0	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	16	7664-41-7	EPA350.1 R2.0	01/05/2024 15:24	01/05/2024 15:24	BLOD		0.7	0.7	1	mg/kg dry	LAM
Chromium, Hexavalent	16	18540-29-9	SW7199	01/04/2024 09:00	01/05/2024 04:05	0.39		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	16	14797-55-8	SW9056A	12/22/2023 10:00	12/22/2023 10:00	BLOD		1.20	2.40	1	mg/kg dry	ATG
Percent Solids	16	NA	SM2540G-2011	12/22/2023 15:31	12/22/2023 15:31	83.5		0.10	0.10	1	%	KJM

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Client Sample ID: **DUP-7** **Laboratory Sample ID:** **23L1295-17**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	17	7440-22-4	SW6020B	12/27/2023 11:15	01/05/2024 13:21	1110		3.00	3.00	1	ug/kg dry	AB
Arsenic	17	7440-38-2	SW6020B	12/27/2023 11:15	01/05/2024 13:21	2770		60.0	60.0	1	ug/kg dry	AB
Barium	17RE1	7440-39-3	SW6020B	12/27/2023 11:15	01/05/2024 14:33	120000		60000	60000	100	ug/kg dry	AB
Beryllium	17	7440-41-7	SW6020B	12/27/2023 11:15	01/05/2024 13:21	326		60.0	60.0	1	ug/kg dry	AB
Cadmium	17	7440-43-9	SW6020B	12/27/2023 11:15	01/05/2024 13:21	1030		60.0	60.0	1	ug/kg dry	AB
Cobalt	17	7440-48-4	SW6020B	12/27/2023 11:15	01/05/2024 13:21	10800		60.0	60.0	1	ug/kg dry	AB
Chromium	17RE1	7440-47-3	SW6020B	12/27/2023 11:15	01/05/2024 14:33	42900		6000	6000	100	ug/kg dry	AB
Copper	17RE1	7440-50-8	SW6020B	12/27/2023 11:15	01/05/2024 14:33	40400		6000	6000	100	ug/kg dry	AB
Mercury	17	7439-97-6	SW7471B	01/05/2024 10:13	01/05/2024 14:55	0.054		0.009	0.009	1	mg/kg dry	ACM
Manganese	17RE1	7439-96-5	SW6020B	12/27/2023 11:15	01/05/2024 14:33	551000		6000	6000	100	ug/kg dry	AB
Nickel	17	7440-02-0	SW6020B	12/27/2023 11:15	01/05/2024 13:21	15900		60.0	60.0	1	ug/kg dry	AB
Lead	17RE1	7439-92-1	SW6020B	12/27/2023 11:15	01/05/2024 14:33	90400		6000	6000	100	ug/kg dry	AB
Antimony	17	7440-36-0	SW6020B	12/27/2023 11:15	01/05/2024 13:21	322		60.0	60.0	1	ug/kg dry	AB
Selenium	17	7782-49-2	SW6020B	12/27/2023 11:15	01/05/2024 13:21	1840		60.0	60.0	1	ug/kg dry	AB
Thallium	17	7440-28-0	SW6020B	12/27/2023 11:15	01/05/2024 13:21	BLOD		60.0	60.0	1	ug/kg dry	AB
Vanadium	17RE1	7440-62-2	SW6020B	12/27/2023 11:15	01/05/2024 14:33	53000		30000	30000	100	ug/kg dry	AB
Zinc	17RE1	7440-66-6	SW6020B	12/27/2023 11:15	01/05/2024 14:33	235000		30000	30000	100	ug/kg dry	AB

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	17RE1	630-20-6	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
1,1,1-Trichloroethane	17RE1	71-55-6	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	17RE1	79-34-5	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
1,1,2-Trichloroethane	17RE1	79-00-5	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
1,1-Dichloroethane	17RE1	75-34-3	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
1,1-Dichloroethylene	17RE1	75-35-4	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
1,1-Dichloropropene	17RE1	563-58-6	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
1,2,3-Trichlorobenzene	17RE1	87-61-6	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
1,2,3-Trichloropropane	17RE1	96-18-4	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
1,2,4-Trichlorobenzene	17RE1	120-82-1	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
1,2,4-Trimethylbenzene	17RE1	95-63-6	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	17RE1	96-12-8	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD	C	418	418	50	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	17RE1	106-93-4	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
1,2-Dichlorobenzene	17RE1	95-50-1	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
1,2-Dichloroethane	17RE1	107-06-2	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
1,2-Dichloropropane	17RE1	78-87-5	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
1,3,5-Trimethylbenzene	17RE1	108-67-8	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
1,3-Dichlorobenzene	17RE1	541-73-1	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
1,3-Dichloropropane	17RE1	142-28-9	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
1,4-Dichlorobenzene	17RE1	106-46-7	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
2,2-Dichloropropane	17RE1	594-20-7	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
2-Butanone (MEK)	17RE1	78-93-3	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
2-Chlorotoluene	17RE1	95-49-8	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
2-Hexanone (MBK)	17RE1	591-78-6	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
4-Chlorotoluene	17RE1	106-43-4	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
4-Isopropyltoluene	17RE1	99-87-6	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	17RE1	108-10-1	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
Acetone	17RE1	67-64-1	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		835	835	50	ug/kg dry	RJB
Benzene	17RE1	71-43-2	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
Bromobenzene	17RE1	108-86-1	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
Bromochloromethane	17RE1	74-97-5	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
Bromodichloromethane	17RE1	75-27-4	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
Bromoform	17RE1	75-25-2	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
Bromomethane	17RE1	74-83-9	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
Carbon disulfide	17RE1	75-15-0	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
Carbon tetrachloride	17RE1	56-23-5	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
Chlorobenzene	17RE1	108-90-7	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
Chloroethane	17RE1	75-00-3	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
Chloroform	17RE1	67-66-3	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
Chloromethane	17RE1	74-87-3	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
cis-1,2-Dichloroethylene	17RE1	156-59-2	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
cis-1,3-Dichloropropene	17RE1	10061-01-5	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
Dibromochloromethane	17RE1	124-48-1	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
Dibromomethane	17RE1	74-95-3	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
Dichlorodifluoromethane	17RE1	75-71-8	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	17RE1	108-20-3	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
Ethylbenzene	17RE1	100-41-4	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
Hexachlorobutadiene	17RE1	87-68-3	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: DUP-7 **Laboratory Sample ID:** 23L1295-17

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Iodomethane	17RE1	74-88-4	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		835	835	50	ug/kg dry	RJB
Isopropylbenzene	17RE1	98-82-8	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
m+p-Xylenes	17RE1	179601-23-1	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
Methylene chloride	17RE1	75-09-2	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	17RE1	1634-04-4	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
Naphthalene	17RE1	91-20-3	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
n-Butylbenzene	17RE1	104-51-8	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
n-Propylbenzene	17RE1	103-65-1	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
o-Xylene	17RE1	95-47-6	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
sec-Butylbenzene	17RE1	135-98-8	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
Styrene	17RE1	100-42-5	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
tert-Butylbenzene	17RE1	98-06-6	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
Tetrachloroethylene (PCE)	17RE1	127-18-4	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD	C	418	418	50	ug/kg dry	RJB
Toluene	17RE1	108-88-3	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
trans-1,2-Dichloroethylene	17RE1	156-60-5	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
trans-1,3-Dichloropropene	17RE1	10061-02-6	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
Trichloroethylene	17RE1	79-01-6	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
Trichlorofluoromethane	17RE1	75-69-4	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
Vinyl acetate	17RE1	108-05-4	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	835	50	ug/kg dry	RJB
Vinyl chloride	17RE1	75-01-4	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		418	418	50	ug/kg dry	RJB
Xylenes, Total	17RE1	1330-20-7	SW8260D	12/26/2023 19:11	12/26/2023 19:11	BLOD		1250	1250	50	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*17RE1*	*110 %*	*80-120*	*12/26/2023 19:11*	*12/26/2023 19:11*							
Surr: 4-Bromofluorobenzene (Surr)	*17RE1*	*96.1 %*	*85-120*	*12/26/2023 19:11*	*12/26/2023 19:11*							
Surr: Dibromofluoromethane (Surr)	*17RE1*	*109 %*	*80-130*	*12/26/2023 19:11*	*12/26/2023 19:11*							

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **DUP-7** **Laboratory Sample ID:** **23L1295-17**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Surr: Toluene-d8 (Surr)	*17RE1*	*105 %*	*85-115*	*12/26/2023 19:11*	*12/26/2023 19:11*							
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	17	123-91-1	SW8270E SIM	12/27/2023 12:40	12/28/2023 22:51	54.0		8.18	8.18	2	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*17*	*139 %*	*35-100*	*12/27/2023 12:40*	*12/28/2023 22:51*							*DS*
1,2,4,5-Tetrachlorobenzene	17	95-94-3	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
1,2,4-Trichlorobenzene	17	120-82-1	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
1,2-Dichlorobenzene	17	95-50-1	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
1,2-Diphenylhydrazine	17	122-66-7	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
1,3-Dichlorobenzene	17	541-73-1	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
1,3-Dinitrobenzene	17	99-65-0	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
1,4-Dichlorobenzene	17	106-46-7	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
1-Chloronaphthalene	17	90-13-1	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
1-Naphthylamine	17	134-32-7	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
2,3,4,6-Tetrachlorophenol	17	58-90-2	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
2,4,5-Trichlorophenol	17	95-95-4	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
2,4,6-Trichlorophenol	17	88-06-2	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
2,4-Dichlorophenol	17	120-83-2	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
2,4-Dimethylphenol	17	105-67-9	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
2,4-Dinitrophenol	17	51-28-5	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
2,4-Dinitrotoluene	17	121-14-2	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
2,6-Dichlorophenol	17	87-65-0	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
2,6-Dinitrotoluene	17	606-20-2	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
2-Chloronaphthalene	17	91-58-7	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR

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Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: DUP-7 **Laboratory Sample ID:** 23L1295-17

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Chlorophenol	17	95-57-8	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
2-Methylnaphthalene	17	91-57-6	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
2-Naphthylamine	17	91-59-8	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
2-Nitroaniline	17	88-74-4	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
2-Nitrophenol	17	88-75-5	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
3,3'-Dichlorobenzidine	17	91-94-1	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
3-Methylcholanthrene	17	56-49-5	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
3-Nitroaniline	17	99-09-2	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
4,6-Dinitro-2-methylphenol	17	534-52-1	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
4-Aminobiphenyl	17	92-67-1	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
4-Bromophenyl phenyl ether	17	101-55-3	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
4-Chloroaniline	17	106-47-8	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
4-Chlorophenyl phenyl ether	17	7005-72-3	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
4-Nitroaniline	17	100-01-6	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
4-Nitrophenol	17	100-02-7	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
7,12-Dimethylbenz (a) anthracene	17	57-97-6	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
Acenaphthene	17	83-32-9	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
Acenaphthylene	17	208-96-8	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
Acetophenone	17	98-86-2	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
Aniline	17	62-53-3	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
Anthracene	17	120-12-7	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
Benzidine	17	92-87-5	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
Benzo (a) anthracene	17	56-55-3	SW8270E	12/27/2023 12:40	12/28/2023 21:46	1030		1020	1020	10	ug/kg dry	ZDR
Benzo (a) pyrene	17	50-32-8	SW8270E	12/27/2023 12:40	12/28/2023 21:46	1150		1020	1020	10	ug/kg dry	ZDR

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Client Sample ID: **DUP-7** **Laboratory Sample ID:** **23L1295-17**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (b) fluoranthene	17	205-99-2	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
Benzo (g,h,i) perylene	17	191-24-2	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD	C	1020	1020	10	ug/kg dry	ZDR
Benzo (k) fluoranthene	17	207-08-9	SW8270E	12/27/2023 12:40	12/28/2023 21:46	2870		1020	1020	10	ug/kg dry	ZDR
Benzoic acid	17	65-85-0	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD	C	1020	1020	10	ug/kg dry	ZDR
Benzyl alcohol	17	100-51-6	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
bis (2-Chloroethoxy) methane	17	111-91-1	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
bis (2-Chloroethyl) ether	17	111-44-4	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
2,2'-Oxybis (1-chloropropane)	17	108-60-1	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
bis (2-Ethylhexyl) phthalate	17	117-81-7	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
Butyl benzyl phthalate	17	85-68-7	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
Chrysene	17	218-01-9	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
Dibenz (a,h) anthracene	17	53-70-3	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD	C	1020	1020	10	ug/kg dry	ZDR
Dibenz (a,j) acridine	17	224-42-0	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD	C	1020	1020	10	ug/kg dry	ZDR
Dibenzofuran	17	132-64-9	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
Diethyl phthalate	17	84-66-2	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
Dimethyl phthalate	17	131-11-3	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
Di-n-butyl phthalate	17	84-74-2	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
Di-n-octyl phthalate	17	117-84-0	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
Diphenylamine	17	122-39-4	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
Ethyl methanesulfonate	17	62-50-0	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
Fluoranthene	17	206-44-0	SW8270E	12/27/2023 12:40	12/28/2023 21:46	1300		1020	1020	10	ug/kg dry	ZDR
Fluorene	17	86-73-7	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
Hexachlorobenzene	17	118-74-1	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
Hexachlorobutadiene	17	87-68-3	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR

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Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: DUP-7 **Laboratory Sample ID:** 23L1295-17

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Hexachlorocyclopentadiene	17	77-47-4	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
Hexachloroethane	17	67-72-1	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
Indeno (1,2,3-cd) pyrene	17	193-39-5	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD	C	1020	1020	10	ug/kg dry	ZDR
Isophorone	17	78-59-1	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD	C	1020	1020	10	ug/kg dry	ZDR
m+p-Cresols	17	1319-77-3	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
Methyl methanesulfonate	17	66-27-3	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
Naphthalene	17	91-20-3	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
Nitrobenzene	17	98-95-3	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
n-Nitrosodimethylamine	17	62-75-9	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD	C	1020	1020	10	ug/kg dry	ZDR
n-Nitrosodi-n-butylamine	17	924-16-3	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
n-Nitrosodi-n-propylamine	17	621-64-7	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
n-Nitrosodiphenylamine	17	86-30-6	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
n-Nitrosopiperidine	17	100-75-4	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
o+m+p-Cresols	17	1319-77-3	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
o-Cresol	17	95-48-7	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
p-(Dimethylamino) azobenzene	17	60-11-7	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
p-Chloro-m-cresol	17	59-50-7	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
Pentachloronitrobenzene (quintozene)	17	82-68-8	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
Pentachlorophenol	17	87-86-5	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD	C	1020	1020	10	ug/kg dry	ZDR
Phenacetin	17	62-44-2	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
Phenanthrene	17	85-01-8	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
Phenol	17	108-95-2	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
Pronamide	17	23950-58-5	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR
Pyrene	17	129-00-0	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD		1020	1020	10	ug/kg dry	ZDR

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Client Sample ID: **DUP-7** **Laboratory Sample ID:** **23L1295-17**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Pyridine	17	110-86-1	SW8270E	12/27/2023 12:40	12/28/2023 21:46	BLOD	C	1020	1020	10	ug/kg dry	ZDR
Surr: 2,4,6-Tribromophenol (Surr)	*17*		*15-96*	*12/27/2023 12:40*	*12/28/2023 21:46*	*22.2 %*						
Surr: 2-Fluorobiphenyl (Surr)	*17*		*19-105*	*12/27/2023 12:40*	*12/28/2023 21:46*	*0.400 %*						*DS*
Surr: 2-Fluorophenol (Surr)	*17*		*12-95*	*12/27/2023 12:40*	*12/28/2023 21:46*	*20.2 %*						
Surr: Nitrobenzene-d5 (Surr)	*17*		*21-100*	*12/27/2023 12:40*	*12/28/2023 21:46*	*24.0 %*						
Surr: Phenol-d5 (Surr)	*17*		*13-100*	*12/27/2023 12:40*	*12/28/2023 21:46*	*19.3 %*						
Surr: p-Terphenyl-d14 (Surr)	*17*		*25-125*	*12/27/2023 12:40*	*12/28/2023 21:46*	*5.20 %*						*DS*

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	17	14808-79-8	SW9056A	12/22/2023 10:00	12/22/2023 10:00	3.39	J	3.09	12.4	1	mg/kg dry	ATG

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	17	7664-41-7	EPA350.1 R2.0	01/05/2024 15:24	01/05/2024 15:24	BLOD		0.7	0.7	1	mg/kg dry	LAM
Chromium, Hexavalent	17	18540-29-9	SW7199	01/04/2024 09:00	01/05/2024 04:32	0.42		0.25	0.25	1	mg/kg dry	MGC
Nitrate as N	17	14797-55-8	SW9056A	12/22/2023 10:00	12/22/2023 10:00	3.08		1.24	2.47	1	mg/kg dry	ATG
Percent Solids	17	NA	SM2540G-2011	12/22/2023 11:45	12/22/2023 11:45	80.9		0.10	0.10	1	%	KJM

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Client Sample ID: **Trip Blank** **Laboratory Sample ID:** **23L1295-18**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	18	630-20-6	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.40	0.40	1	ug/L	RJB
1,1,1-Trichloroethane	18	71-55-6	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.60	1.00	1	ug/L	RJB
1,1,2,2-Tetrachloroethane	18	79-34-5	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.30	0.40	1	ug/L	RJB
1,1,2-Trichloroethane	18	79-00-5	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.50	1.00	1	ug/L	RJB
1,1-Dichloroethane	18	75-34-3	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.60	1.00	1	ug/L	RJB
1,1-Dichloroethylene	18	75-35-4	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.70	1.00	1	ug/L	RJB
1,1-Dichloropropene	18	563-58-6	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.60	1.00	1	ug/L	RJB
1,2,3-Trichlorobenzene	18	87-61-6	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.70	1.00	1	ug/L	RJB
1,2,3-Trichloropropane	18	96-18-4	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.40	1.00	1	ug/L	RJB
1,2,4-Trichlorobenzene	18	120-82-1	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.50	1.00	1	ug/L	RJB
1,2,4-Trimethylbenzene	18	95-63-6	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.40	1.00	1	ug/L	RJB
1,2-Dibromo-3-chloropropane (DBCP)	18	96-12-8	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD	C	0.60	1.00	1	ug/L	RJB
1,2-Dibromoethane (EDB)	18	106-93-4	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.40	1.00	1	ug/L	RJB
1,2-Dichlorobenzene	18	95-50-1	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.40	0.50	1	ug/L	RJB
1,2-Dichloroethane	18	107-06-2	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.70	1.00	1	ug/L	RJB
1,2-Dichloropropane	18	78-87-5	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.40	0.50	1	ug/L	RJB
1,3,5-Trimethylbenzene	18	108-67-8	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.90	1.00	1	ug/L	RJB
1,3-Dichlorobenzene	18	541-73-1	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.30	1.00	1	ug/L	RJB
1,3-Dichloropropane	18	142-28-9	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		1.00	1.00	1	ug/L	RJB
1,4-Dichlorobenzene	18	106-46-7	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.40	1.00	1	ug/L	RJB
2,2-Dichloropropane	18	594-20-7	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.60	1.00	1	ug/L	RJB
2-Butanone (MEK)	18	78-93-3	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		3.00	10.0	1	ug/L	RJB
2-Chlorotoluene	18	95-49-8	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.50	1.00	1	ug/L	RJB
2-Hexanone (MBK)	18	591-78-6	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		2.20	5.00	1	ug/L	RJB

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Client Sample ID: **Trip Blank** **Laboratory Sample ID:** **23L1295-18**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
4-Chlorotoluene	18	106-43-4	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.50	1.00	1	ug/L	RJB
4-Isopropyltoluene	18	99-87-6	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.40	1.00	1	ug/L	RJB
4-Methyl-2-pentanone (MIBK)	18	108-10-1	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		1.50	5.00	1	ug/L	RJB
Acetone	18	67-64-1	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		7.00	10.0	1	ug/L	RJB
Benzene	18	71-43-2	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.40	1.00	1	ug/L	RJB
Bromobenzene	18	108-86-1	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.50	1.00	1	ug/L	RJB
Bromochloromethane	18	74-97-5	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.50	1.00	1	ug/L	RJB
Bromodichloromethane	18	75-27-4	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.40	0.50	1	ug/L	RJB
Bromoform	18	75-25-2	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.40	1.00	1	ug/L	RJB
Bromomethane	18	74-83-9	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.80	1.00	1	ug/L	RJB
Carbon disulfide	18	75-15-0	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		5.00	10.0	1	ug/L	RJB
Carbon tetrachloride	18	56-23-5	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.50	1.00	1	ug/L	RJB
Chlorobenzene	18	108-90-7	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.40	1.00	1	ug/L	RJB
Chloroethane	18	75-00-3	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.70	1.00	1	ug/L	RJB
Chloroform	18	67-66-3	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.50	0.50	1	ug/L	RJB
Chloromethane	18	74-87-3	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.95	1.00	1	ug/L	RJB
cis-1,2-Dichloroethylene	18	156-59-2	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.40	1.00	1	ug/L	RJB
cis-1,3-Dichloropropene	18	10061-01-5	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.30	1.00	1	ug/L	RJB
Dibromochloromethane	18	124-48-1	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.35	0.50	1	ug/L	RJB
Dibromomethane	18	74-95-3	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.40	1.00	1	ug/L	RJB
Dichlorodifluoromethane	18	75-71-8	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.95	1.00	1	ug/L	RJB
Di-isopropyl ether (DIPE)	18	108-20-3	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		3.00	5.00	1	ug/L	RJB
Ethylbenzene	18	100-41-4	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.40	1.00	1	ug/L	RJB
Hexachlorobutadiene	18	87-68-3	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.60	0.80	1	ug/L	RJB

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Iodomethane	18	74-88-4	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		6.00	10.0	1	ug/L	RJB
Isopropylbenzene	18	98-82-8	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.50	1.00	1	ug/L	RJB
m+p-Xylenes	18	179601-23-1	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.60	2.00	1	ug/L	RJB
Methylene chloride	18	75-09-2	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		4.00	4.00	1	ug/L	RJB
Methyl-t-butyl ether (MTBE)	18	1634-04-4	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.60	1.00	1	ug/L	RJB
Naphthalene	18	91-20-3	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.80	1.00	1	ug/L	RJB
n-Butylbenzene	18	104-51-8	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.40	1.00	1	ug/L	RJB
n-Propylbenzene	18	103-65-1	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.40	1.00	1	ug/L	RJB
o-Xylene	18	95-47-6	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.40	1.00	1	ug/L	RJB
sec-Butylbenzene	18	135-98-8	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.40	1.00	1	ug/L	RJB
Styrene	18	100-42-5	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.40	1.00	1	ug/L	RJB
tert-Butylbenzene	18	98-06-6	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.40	1.00	1	ug/L	RJB
Tetrachloroethylene (PCE)	18	127-18-4	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD	C	0.40	1.00	1	ug/L	RJB
Toluene	18	108-88-3	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.50	1.00	1	ug/L	RJB
trans-1,2-Dichloroethylene	18	156-60-5	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.60	1.00	1	ug/L	RJB
trans-1,3-Dichloropropene	18	10061-02-6	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.30	1.00	1	ug/L	RJB
Trichloroethylene	18	79-01-6	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.40	1.00	1	ug/L	RJB
Trichlorofluoromethane	18	75-69-4	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.80	1.00	1	ug/L	RJB
Vinyl acetate	18	108-05-4	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		2.00	10.0	1	ug/L	RJB
Vinyl chloride	18	75-01-4	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		0.50	0.50	1	ug/L	RJB
Xylenes, Total	18	1330-20-7	SW8260D	12/22/2023 00:00	12/22/2023 13:46	BLOD		1.00	3.00	1	ug/L	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*18*		*102 %*	*70-120*	*12/22/2023 00:00*	*12/22/2023 13:46*						
Surr: 4-Bromofluorobenzene (Surr)	*18*		*108 %*	*75-120*	*12/22/2023 00:00*	*12/22/2023 13:46*						
Surr: Dibromofluoromethane (Surr)	*18*		*102 %*	*70-130*	*12/22/2023 00:00*	*12/22/2023 13:46*						

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Client Sample ID: **Trip Blank** **Laboratory Sample ID:** **23L1295-18**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Volatile Organic Compounds by GCMS												
Surr: Toluene-d8 (Surr)	*18*		*70-130*	*12/22/2023 00:00*	*12/22/2023 13:46*	*103 %*						

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Date Issued: 1/8/2024 5:19:06PM

Metals (Total) by EPA 6000/7000 Series Methods - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0431 - SW3050B-ICPMS										
Blank (BGL0431-BLK1)				Prepared: 12/12/2023 Analyzed: 12/15/2023						
Nickel	ND	50.0	ug/kg							
Zinc	ND	250	ug/kg							
Vanadium	ND	250	ug/kg							
Thallium	ND	50.0	ug/kg							
Selenium	ND	50.0	ug/kg							
Manganese	ND	50.0	ug/kg							
Lead	66.9	50.0	ug/kg							*B*
Copper	ND	50.0	ug/kg							
Cobalt	ND	50.0	ug/kg							
Chromium	ND	50.0	ug/kg							
Cadmium	ND	50.0	ug/kg							
Beryllium	ND	50.0	ug/kg							
Arsenic	ND	50.0	ug/kg							
Silver	ND	2.50	ug/kg							
Barium	ND	500	ug/kg							
Antimony	ND	50.0	ug/kg							
LCS (BGL0431-BS1)				Prepared: 12/12/2023 Analyzed: 12/15/2023						
Thallium	1630	50.0	ug/kg	2440		66.9	80-120			*L*
Silver	500	2.50	ug/kg	487		103	80-120			
Selenium	2500	50.0	ug/kg	2440		103	80-120			
Nickel	2510	50.0	ug/kg	2440		103	80-120			
Antimony	2580	50.0	ug/kg	2440		106	80-120			
Manganese	2480	50.0	ug/kg	2440		102	80-120			
Arsenic	2560	50.0	ug/kg	2440		105	80-120			

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0431 - SW3050B-ICPMS										
LCS (BGL0431-BS1)				Prepared: 12/12/2023 Analyzed: 12/15/2023						
Vanadium	2490	250	ug/kg	2440		102	80-120			
Barium	2530	500	ug/kg	2440		104	80-120			
Beryllium	2720	50.0	ug/kg	2440		112	80-120			
Cadmium	2590	50.0	ug/kg	2440		106	80-120			
Zinc	2640	250	ug/kg	2440		108	80-120			
Chromium	2510	50.0	ug/kg	2440		103	80-120			
Cobalt	2490	50.0	ug/kg	2440		102	80-120			
Copper	2500	50.0	ug/kg	2440		103	80-120			
Lead	2640	50.0	ug/kg	2440		108	80-120			
Matrix Spike (BGL0431-MS1)	**Source: 23L0566-02**			Prepared: 12/12/2023 Analyzed: 12/15/2023						
Cobalt	20100	57.6	ug/kg	2880	16700	117	75-125			
Silver	680	2.88	ug/kg	576	124	96.6	75-125			
Selenium	4110	57.6	ug/kg	2880	1530	89.4	75-125			
Thallium	2220	57.6	ug/kg	2880	75.6	74.3	75-125			*M*
Cadmium	3120	57.6	ug/kg	2880	243	99.7	75-125			
Beryllium	3100	57.6	ug/kg	2880	524	89.6	75-125			
Antimony	697	57.6	ug/kg	2880	219	16.6	75-125			*M*
Arsenic	5380	57.6	ug/kg	2880	2540	98.4	75-125			
Matrix Spike (BGL0431-MS2)	**Source: 23L0566-02RE1**			Prepared: 12/12/2023 Analyzed: 12/15/2023						
Lead	108000	5760	ug/kg	2880	84800	807	75-125			*M2*
Barium	130000	57600	ug/kg	2880	136000	-202	75-125			*M2*
Chromium	40200	5760	ug/kg	2880	44400	-147	75-125			*M2*
Copper	80500	5760	ug/kg	2880	85400	-171	75-125			*M2*
Zinc	139000	28800	ug/kg	2880	132000	266	75-125			*M2*

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Metals (Total) by EPA 6000/7000 Series Methods - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0431 - SW3050B-ICPMS										
Matrix Spike (BGL0431-MS2)	**Source: 23L0566-02RE1**			Prepared: 12/12/2023 Analyzed: 12/15/2023						
Nickel	24700	5760	ug/kg	2880	24100	23.1	75-125			*M2*
Vanadium	86500	28800	ug/kg	2880	97300	-375	75-125			*M2*
Manganese	502000	5760	ug/kg	2880	512000	-346	75-125			*M2*
Matrix Spike Dup (BGL0431-MSD1)	**Source: 23L0566-02**			Prepared: 12/12/2023 Analyzed: 12/15/2023						
Antimony	665	56.6	ug/kg	2830	219	15.8	75-125	4.77	20	*M*
Arsenic	5030	56.6	ug/kg	2830	2540	88.0	75-125	6.67	20	
Cadmium	3280	56.6	ug/kg	2830	243	108	75-125	5.29	20	
Cobalt	19100	56.6	ug/kg	2830	16700	84.4	75-125	4.99	20	
Selenium	3760	56.6	ug/kg	2830	1530	78.8	75-125	8.81	20	
Silver	733	2.83	ug/kg	566	124	108	75-125	7.50	20	
Thallium	2270	56.6	ug/kg	2830	75.6	77.6	75-125	2.37	20	
Beryllium	2980	56.6	ug/kg	2830	524	87.0	75-125	3.94	20	
Matrix Spike Dup (BGL0431-MSD2)	**Source: 23L0566-02RE1**			Prepared: 12/12/2023 Analyzed: 12/15/2023						
Barium	152000	56600	ug/kg	2830	136000	573	75-125	15.6	20	*M2*
Chromium	40600	5660	ug/kg	2830	44400	-136	75-125	0.995	20	*M2*
Copper	83400	5660	ug/kg	2830	85400	-72.3	75-125	3.53	20	*M2*
Lead	134000	5660	ug/kg	2830	84800	1760	75-125	21.8	20	*M2, P*
Manganese	633000	5660	ug/kg	2830	512000	4260	75-125	23.0	20	*M2, P*
Nickel	23000	5660	ug/kg	2830	24100	-38.0	75-125	7.30	20	*M2*
Vanadium	86900	28300	ug/kg	2830	97300	-366	75-125	0.493	20	*M2*
Zinc	250000	28300	ug/kg	2830	132000	4170	75-125	56.7	20	*M2, P*
Batch BGL0565 - SW7471B										
Blank (BGL0565-BLK1)				Prepared & Analyzed: 12/14/2023						

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Metals (Total) by EPA 6000/7000 Series Methods - Quality Control

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0565 - SW7471B										
Blank (BGL0565-BLK1)				Prepared & Analyzed: 12/14/2023						
Mercury	ND	0.008	mg/kg							
Matrix Spike (BGL0565-MS1)		**Source: 23L0465-03**		Prepared & Analyzed: 12/14/2023						
Mercury	0.139	0.008	mg/kg	0.0990	0.024	116	80-120			
Matrix Spike Dup (BGL0565-MSD1)		**Source: 23L0465-03**		Prepared & Analyzed: 12/14/2023						
Mercury	0.142	0.008	mg/kg	0.0978	0.024	120	80-120	2.05	20	*M*
Batch BGL0574 - SW3050B-ICPMS										
Blank (BGL0574-BLK1)				Prepared: 12/14/2023 Analyzed: 12/15/2023						
Barium	ND	500	ug/kg							
Zinc	ND	250	ug/kg							
Manganese	132	50.0	ug/kg							*B*
Nickel	ND	50.0	ug/kg							
Selenium	ND	50.0	ug/kg							
Silver	ND	2.50	ug/kg							
Antimony	ND	50.0	ug/kg							
Vanadium	ND	250	ug/kg							
Lead	ND	50.0	ug/kg							
Copper	ND	50.0	ug/kg							
Cobalt	ND	50.0	ug/kg							
Chromium	ND	50.0	ug/kg							
Cadmium	ND	50.0	ug/kg							
Beryllium	ND	50.0	ug/kg							
Arsenic	ND	50.0	ug/kg							
Thallium	ND	50.0	ug/kg							

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Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0574 - SW3050B-ICPMS										
LCS (BGL0574-BS1)				Prepared: 12/14/2023 Analyzed: 12/15/2023						
Barium	2460	500	ug/kg	2450		100	80-120			
Selenium	2620	50.0	ug/kg	2450		107	80-120			
Zinc	2800	250	ug/kg	2450		114	80-120			
Vanadium	2430	250	ug/kg	2450		99.0	80-120			
Antimony	2410	50.0	ug/kg	2450		98.5	80-120			
Silver	481	2.50	ug/kg	490		98.3	80-120			
Nickel	2440	50.0	ug/kg	2450		99.7	80-120			
Manganese	2470	50.0	ug/kg	2450		101	80-120			
Lead	2570	50.0	ug/kg	2450		105	80-120			
Copper	2440	50.0	ug/kg	2450		99.6	80-120			
Cobalt	2430	50.0	ug/kg	2450		99.4	80-120			
Chromium	2450	50.0	ug/kg	2450		100	80-120			
Cadmium	2510	50.0	ug/kg	2450		102	80-120			
Beryllium	2650	50.0	ug/kg	2450		108	80-120			
Arsenic	2490	50.0	ug/kg	2450		102	80-120			
Thallium	1650	50.0	ug/kg	2450		67.5	80-120			*L*
Matrix Spike (BGL0574-MS1)		**Source: 23L0675-04**		Prepared: 12/14/2023 Analyzed: 12/15/2023						
Arsenic	4620	58.8	ug/kg	2940	2400	75.5	75-125			
Thallium	2200	58.8	ug/kg	2940	153	69.6	75-125			*M*
Silver	558	2.94	ug/kg	588	18.5	91.7	75-125			
Selenium	4710	58.8	ug/kg	2940	2130	88.0	75-125			
Nickel	13200	58.8	ug/kg	2940	10700	84.0	75-125			
Lead	15300	58.8	ug/kg	2940	13600	57.4	75-125			*M*
Cadmium	2830	58.8	ug/kg	2940	BLOD	96.2	75-125			

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0574 - SW3050B-ICPMS										
Matrix Spike (BGL0574-MS1)	**Source: 23L0675-04**			Prepared: 12/14/2023 Analyzed: 12/15/2023						
Antimony	583	58.8	ug/kg	2940	60.3	17.8	75-125			*M*
Cobalt	17600	58.8	ug/kg	2940	12600	171	75-125			*M*
Matrix Spike (BGL0574-MS2)	**Source: 23L0675-07**			Prepared: 12/14/2023 Analyzed: 12/15/2023						
Cobalt	28500	57.7	ug/kg	2880	9530	659	75-125			*M*
Lead	47400	57.7	ug/kg	2880	20500	933	75-125			*M*
Selenium	4120	57.7	ug/kg	2880	2120	69.2	75-125			*M*
Silver	643	2.88	ug/kg	577	47.7	103	75-125			
Thallium	2170	57.7	ug/kg	2880	BLOD	75.2	75-125			
Antimony	541	57.7	ug/kg	2880	72.9	16.2	75-125			*M*
Arsenic	4290	57.7	ug/kg	2880	1880	83.4	75-125			
Beryllium	3290	57.7	ug/kg	2880	406	100	75-125			
Cadmium	3480	57.7	ug/kg	2880	184	114	75-125			
Matrix Spike (BGL0574-MS3)	**Source: 23L0675-04RE1**			Prepared: 12/14/2023 Analyzed: 12/15/2023						
Chromium	39500	5880	ug/kg	2940	35400	139	75-125			*M2*
Vanadium	116000	29400	ug/kg	2940	103000	456	75-125			*M2*
Copper	57800	5880	ug/kg	2940	72300	-491	75-125			*M2*
Beryllium	3950	294	ug/kg	2940	685	111	75-125			
Zinc	34500	29400	ug/kg	2940	BLOD	1170	75-125			*M2*
Barium	88500	58800	ug/kg	2940	95000	-219	75-125			*M2*
Manganese	399000	5880	ug/kg	2940	377000	732	75-125			*M2*
Matrix Spike (BGL0574-MS4)	**Source: 23L0675-07RE1**			Prepared: 12/14/2023 Analyzed: 12/15/2023						
Zinc	183000	28800	ug/kg	2880	83400	3450	75-125			*M2*
Nickel	32900	5770	ug/kg	2880	15700	596	75-125			*M2*
Copper	61200	5770	ug/kg	2880	33000	979	75-125			*M2*

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Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0574 - SW3050B-ICPMS										
Matrix Spike (BGL0574-MS4)	**Source: 23L0675-07RE1**			Prepared: 12/14/2023 Analyzed: 12/15/2023						
Manganese	617000	5770	ug/kg	2880	544000	2520	75-125			*M2*
Chromium	62900	5770	ug/kg	2880	32100	1070	75-125			*M2*
Vanadium	161000	28800	ug/kg	2880	52500	3770	75-125			*M2*
Barium	181000	57700	ug/kg	2880	116000	2260	75-125			*M2*
Matrix Spike Dup (BGL0574-MSD1)	**Source: 23L0675-04**			Prepared: 12/14/2023 Analyzed: 12/15/2023						
Cadmium	2770	57.7	ug/kg	2890	BLOD	96.0	75-125	2.14	20	
Thallium	2140	57.7	ug/kg	2890	153	68.9	75-125	2.67	20	*M*
Silver	538	2.89	ug/kg	577	18.5	90.0	75-125	3.66	20	
Selenium	4580	57.7	ug/kg	2890	2130	85.1	75-125	2.86	20	
Nickel	19400	57.7	ug/kg	2890	10700	302	75-125	38.3	20	*M, P*
Cobalt	23900	57.7	ug/kg	2890	12600	391	75-125	30.1	20	*M, P*
Arsenic	3990	57.7	ug/kg	2890	2400	55.3	75-125	14.5	20	*M*
Antimony	531	57.7	ug/kg	2890	60.3	16.3	75-125	9.29	20	*M*
Lead	10800	57.7	ug/kg	2890	13600	-95.6	75-125	34.1	20	*M, P*
Matrix Spike Dup (BGL0574-MSD2)	**Source: 23L0675-07**			Prepared: 12/14/2023 Analyzed: 12/15/2023						
Beryllium	3290	59.1	ug/kg	2960	406	97.5	75-125	0.164	20	
Cobalt	16500	59.1	ug/kg	2960	9530	236	75-125	53.4	20	*M, P*
Lead	45700	59.1	ug/kg	2960	20500	853	75-125	3.69	20	*M, P*
Thallium	2380	59.1	ug/kg	2960	BLOD	80.5	75-125	9.23	20	
Silver	591	2.96	ug/kg	591	47.7	91.9	75-125	8.48	20	
Selenium	4120	59.1	ug/kg	2960	2120	67.6	75-125	0.0286	20	*M*
Cadmium	2980	59.1	ug/kg	2960	184	94.6	75-125	15.6	20	
Antimony	615	59.1	ug/kg	2960	72.9	18.3	75-125	12.8	20	*M*
Arsenic	4820	59.1	ug/kg	2960	1880	99.5	75-125	11.8	20	

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0574 - SW3050B-ICPMS										
Matrix Spike Dup (BGL0574-MSD3)	**Source: 23L0675-04RE1**			Prepared: 12/14/2023 Analyzed: 12/15/2023						
Manganese	458000	5770	ug/kg	2890	377000	2790	75-125	13.8	20	*M2*
Vanadium	119000	28900	ug/kg	2890	103000	543	75-125	1.92	20	*M2*
Copper	62800	5770	ug/kg	2890	72300	-329	75-125	8.21	20	*M2*
Chromium	46300	5770	ug/kg	2890	35400	379	75-125	15.9	20	*M2*
Barium	151000	57700	ug/kg	2890	95000	1930	75-125	52.0	20	*M2, P*
Beryllium	3940	289	ug/kg	2890	685	113	75-125	0.248	20	
Zinc	46100	28900	ug/kg	2890	29000	594	75-125	28.9	20	*M2, P*
Matrix Spike Dup (BGL0574-MSD4)	**Source: 23L0675-07RE1**			Prepared: 12/14/2023 Analyzed: 12/15/2023						
Copper	54300	5910	ug/kg	2960	33000	722	75-125	12.0	20	*M2*
Manganese	469000	5910	ug/kg	2960	544000	-2530	75-125	27.2	20	*M2*
Chromium	45000	5910	ug/kg	2960	32100	436	75-125	33.1	20	*M2, P*
Barium	106000	59100	ug/kg	2960	116000	-344	75-125	52.5	20	*M2, P*
Vanadium	99700	29600	ug/kg	2960	52500	1590	75-125	47.2	20	*M2, P*
Zinc	74500	29600	ug/kg	2960	83400	-299	75-125	84.3	20	*M2, P*
Nickel	20300	5910	ug/kg	2960	15700	154	75-125	47.6	20	*M2, P*
Batch BGL0583 - SW3050B-ICPMS										
Blank (BGL0583-BLK1)				Prepared: 12/14/2023 Analyzed: 12/18/2023						
Cobalt	ND	50.0	ug/kg							
Vanadium	ND	250	ug/kg							
Silver	ND	2.50	ug/kg							
Nickel	ND	50.0	ug/kg							
Manganese	64.1	50.0	ug/kg							*B*
Zinc	ND	250	ug/kg							
Copper	ND	50.0	ug/kg							

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Batch BGL0583 - SW3050B-ICPMS										
Blank (BGL0583-BLK1)				Prepared: 12/14/2023 Analyzed: 12/18/2023						
Thallium	ND	50.0	ug/kg							
Chromium	ND	50.0	ug/kg							
Cadmium	ND	50.0	ug/kg							
Beryllium	ND	50.0	ug/kg							
Barium	ND	500	ug/kg							
Arsenic	ND	50.0	ug/kg							
Antimony	ND	50.0	ug/kg							
Lead	ND	50.0	ug/kg							
Selenium	ND	50.0	ug/kg							
LCS (BGL0583-BS1)				Prepared: 12/14/2023 Analyzed: 12/18/2023						
Beryllium	2800	50.0	ug/kg	2380		117	80-120			
Antimony	2510	50.0	ug/kg	2380		105	80-120			
Barium	2390	500	ug/kg	2380		100	80-120			
Cadmium	2560	50.0	ug/kg	2380		107	80-120			
Chromium	2370	50.0	ug/kg	2380		99.5	80-120			
Cobalt	2370	50.0	ug/kg	2380		99.6	80-120			
Copper	2400	50.0	ug/kg	2380		101	80-120			
Zinc	2680	250	ug/kg	2380		112	80-120			
Manganese	2390	50.0	ug/kg	2380		100	80-120			
Nickel	2400	50.0	ug/kg	2380		101	80-120			
Selenium	2580	50.0	ug/kg	2380		108	80-120			
Silver	490	2.50	ug/kg	477		103	80-120			
Thallium	1760	50.0	ug/kg	2380		73.9	80-120			*M*
Vanadium	2300	250	ug/kg	2380		96.6	80-120			

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Metals (Total) by EPA 6000/7000 Series Methods - Quality Control

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0583 - SW3050B-ICPMS										
LCS (BGL0583-BS1)				Prepared: 12/14/2023 Analyzed: 12/18/2023						
Lead	2500	50.0	ug/kg	2380		105	80-120			
Arsenic	2530	50.0	ug/kg	2380		106	80-120			
Matrix Spike (BGL0583-MS1)	**Source: 23L0795-06**			Prepared: 12/14/2023 Analyzed: 12/18/2023						
Silver	532	2.92	ug/kg	584	15.9	88.4	75-125			
Thallium	2180	58.4	ug/kg	2920	95.8	71.2	75-125			*M*
Nickel	21100	58.4	ug/kg	2920	20000	36.1	75-125			*M*
Lead	5780	58.4	ug/kg	2920	3300	85.0	75-125			
Antimony	623	58.4	ug/kg	2920	BLOD	21.3	75-125			*M*
Cobalt	15900	58.4	ug/kg	2920	13600	80.2	75-125			
Cadmium	2870	58.4	ug/kg	2920	89.4	95.2	75-125			
Arsenic	3630	58.4	ug/kg	2920	1370	77.3	75-125			
Selenium	3630	58.4	ug/kg	2920	1150	84.9	75-125			
Beryllium	3370	58.4	ug/kg	2920	721	90.9	75-125			
Matrix Spike (BGL0583-MS2)	**Source: 23L0795-06RE1**			Prepared: 12/14/2023 Analyzed: 12/19/2023						
Vanadium	66200	29200	ug/kg	2920	70800	-159	75-125			*M2*
Barium	162000	58400	ug/kg	2920	156000	201	75-125			*M2*
Chromium	39200	5840	ug/kg	2920	36900	77.8	75-125			
Manganese	460000	5840	ug/kg	2920	483000	-799	75-125			*M2*
Zinc	53400	29200	ug/kg	2920	47300	211	75-125			*M2*
Copper	41100	5840	ug/kg	2920	40300	28.7	75-125			*M2*
Matrix Spike Dup (BGL0583-MSD1)	**Source: 23L0795-06**			Prepared: 12/14/2023 Analyzed: 12/18/2023						
Beryllium	3440	57.6	ug/kg	2880	721	94.6	75-125	2.07	20	
Cadmium	2970	57.6	ug/kg	2880	89.4	100	75-125	3.50	20	
Cobalt	15300	57.6	ug/kg	2880	13600	58.2	75-125	4.28	20	*M*

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0583 - SW3050B-ICPMS										
Matrix Spike Dup (BGL0583-MSD1)	**Source: 23L0795-06**			Prepared: 12/14/2023 Analyzed: 12/18/2023						
Lead	6700	57.6	ug/kg	2880	3300	118	75-125	14.8	20	
Nickel	22500	57.6	ug/kg	2880	20000	86.6	75-125	6.61	20	
Selenium	3530	57.6	ug/kg	2880	1150	82.7	75-125	2.74	20	
Silver	551	2.88	ug/kg	576	15.9	92.9	75-125	3.52	20	
Thallium	2370	57.6	ug/kg	2880	95.8	78.9	75-125	8.47	20	
Arsenic	3450	57.6	ug/kg	2880	1370	72.4	75-125	4.88	20	*M*
Antimony	401	57.6	ug/kg	2880	BLOD	13.9	75-125	43.4	20	*M, P*
Matrix Spike Dup (BGL0583-MSD2)	**Source: 23L0795-06RE1**			Prepared: 12/14/2023 Analyzed: 12/19/2023						
Manganese	496000	5760	ug/kg	2880	483000	435	75-125	7.51	20	*M2*
Copper	41200	5760	ug/kg	2880	40300	33.0	75-125	0.273	20	*M2*
Barium	168000	57600	ug/kg	2880	156000	420	75-125	3.78	20	*M2*
Zinc	52900	28800	ug/kg	2880	47300	198	75-125	0.903	20	*M2*
Chromium	35400	5760	ug/kg	2880	36900	-51.7	75-125	10.1	20	*M2*
Vanadium	68000	28800	ug/kg	2880	70800	-98.2	75-125	2.69	20	*M2*
Batch BGL0635 - SW3050B-ICPMS										
Blank (BGL0635-BLK1)				Prepared: 12/15/2023 Analyzed: 12/18/2023						
Copper	ND	50.0	ug/kg							
Manganese	ND	50.0	ug/kg							
Nickel	ND	50.0	ug/kg							
Barium	ND	500	ug/kg							
Arsenic	ND	50.0	ug/kg							
Antimony	ND	50.0	ug/kg							
Cobalt	ND	50.0	ug/kg							
Chromium	ND	50.0	ug/kg							

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Batch BGL0635 - SW3050B-ICPMS										
Blank (BGL0635-BLK1)				Prepared: 12/15/2023 Analyzed: 12/18/2023						
Silver	ND	2.50	ug/kg							
Cadmium	ND	50.0	ug/kg							
Beryllium	ND	50.0	ug/kg							
Zinc	ND	250	ug/kg							
Vanadium	ND	250	ug/kg							
Selenium	ND	50.0	ug/kg							
Lead	ND	50.0	ug/kg							
Thallium	ND	50.0	ug/kg							
LCS (BGL0635-BS1)				Prepared: 12/15/2023 Analyzed: 12/18/2023						
Zinc	2530	250	ug/kg	2300		110	80-120			
Vanadium	2200	250	ug/kg	2300		95.5	80-120			
Thallium	1670	50.0	ug/kg	2300		72.8	80-120			*L*
Silver	465	2.50	ug/kg	460		101	80-120			
Selenium	2540	50.0	ug/kg	2300		111	80-120			
Manganese	2270	50.0	ug/kg	2300		98.7	80-120			
Barium	2300	500	ug/kg	2300		100	80-120			
Cobalt	2270	50.0	ug/kg	2300		98.7	80-120			
Lead	2410	50.0	ug/kg	2300		105	80-120			
Chromium	2260	50.0	ug/kg	2300		98.3	80-120			
Cadmium	2450	50.0	ug/kg	2300		107	80-120			
Beryllium	2580	50.0	ug/kg	2300		112	80-120			
Arsenic	2490	50.0	ug/kg	2300		108	80-120			
Copper	2300	50.0	ug/kg	2300		100	80-120			
Antimony	2410	50.0	ug/kg	2300		105	80-120			

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Batch BGL0635 - SW3050B-ICPMS										
LCS (BGL0635-BS1)				Prepared: 12/15/2023 Analyzed: 12/18/2023						
Nickel	2300	50.0	ug/kg	2300		100	80-120			
Matrix Spike (BGL0635-MS1)		**Source: 23L0912-07**		Prepared: 12/15/2023 Analyzed: 12/18/2023						
Cadmium	2900	57.3	ug/kg	2870	58.7	99.1	75-125			
Antimony	390	57.3	ug/kg	2870	BLOD	13.6	75-125			*M*
Beryllium	3300	57.3	ug/kg	2870	713	90.1	75-125			
Cobalt	16300	57.3	ug/kg	2870	16700	-12.6	75-125			*M*
Lead	6110	57.3	ug/kg	2870	3490	91.3	75-125			
Nickel	21600	57.3	ug/kg	2870	19800	65.3	75-125			*M*
Selenium	3940	57.3	ug/kg	2870	1840	73.1	75-125			*M*
Silver	541	2.87	ug/kg	573	19.8	90.9	75-125			
Thallium	2140	57.3	ug/kg	2870	106	70.9	75-125			*M*
Arsenic	3770	57.3	ug/kg	2870	1650	73.8	75-125			*M*
Matrix Spike (BGL0635-MS2)		**Source: 23L0912-07RE1**		Prepared: 12/15/2023 Analyzed: 12/18/2023						
Copper	70900	5730	ug/kg	2870	72300	-50.5	75-125			*M2*
Chromium	34700	5730	ug/kg	2870	28700	212	75-125			*M2*
Zinc	57100	28700	ug/kg	2870	60300	-114	75-125			*M2*
Vanadium	104000	28700	ug/kg	2870	115000	-407	75-125			*M2*
Manganese	436000	5730	ug/kg	2870	489000	-1860	75-125			*M2*
Barium	195000	57300	ug/kg	2870	226000	-1090	75-125			*M2*
Matrix Spike Dup (BGL0635-MSD1)		**Source: 23L0912-07**		Prepared: 12/15/2023 Analyzed: 12/18/2023						
Cadmium	2860	57.2	ug/kg	2860	58.7	97.8	75-125	1.43	20	
Nickel	22600	57.2	ug/kg	2860	19800	97.5	75-125	4.16	20	
Antimony	336	57.2	ug/kg	2860	BLOD	11.7	75-125	15.1	20	*M*
Beryllium	3210	57.2	ug/kg	2860	713	87.4	75-125	2.54	20	

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Batch BGL0635 - SW3050B-ICPMS										
Matrix Spike Dup (BGL0635-MSD1)	**Source: 23L0912-07**			Prepared: 12/15/2023 Analyzed: 12/18/2023						
Cobalt	18700	57.2	ug/kg	2860	16700	71.1	75-125	13.7	20	*M*
Thallium	2190	57.2	ug/kg	2860	106	73.0	75-125	2.59	20	*M*
Lead	6390	57.2	ug/kg	2860	3490	102	75-125	4.60	20	
Silver	531	2.86	ug/kg	572	19.8	89.3	75-125	1.86	20	
Selenium	3850	57.2	ug/kg	2860	1840	70.3	75-125	2.14	20	*M*
Arsenic	3830	57.2	ug/kg	2860	1650	76.2	75-125	1.66	20	
Matrix Spike Dup (BGL0635-MSD2)	**Source: 23L0912-07RE1**			Prepared: 12/15/2023 Analyzed: 12/18/2023						
Manganese	503000	5720	ug/kg	2860	489000	483	75-125	14.3	20	*M2*
Barium	190000	57200	ug/kg	2860	226000	-1250	75-125	2.39	20	*M2*
Vanadium	99900	28600	ug/kg	2860	115000	-535	75-125	3.56	20	*M2*
Copper	60300	5720	ug/kg	2860	72300	-420	75-125	16.1	20	*M2*
Chromium	35500	5720	ug/kg	2860	28700	238	75-125	2.07	20	*M2*
Zinc	55100	28600	ug/kg	2860	60300	-183	75-125	3.48	20	*M2*
Batch BGL0767 - SW7471B										
Blank (BGL0767-BLK1)				Prepared & Analyzed: 12/19/2023						
Mercury	ND	0.008	mg/kg							
LCS (BGL0767-BS1)				Prepared & Analyzed: 12/19/2023						
Mercury	0.101	0.008	mg/kg	0.0967		104	80-120			
Matrix Spike (BGL0767-MS1)	**Source: 23L0675-01**			Prepared & Analyzed: 12/19/2023						
Mercury	0.182	0.010	mg/kg	0.124	0.096	69.5	80-120			*M*
Matrix Spike Dup (BGL0767-MSD1)	**Source: 23L0675-01**			Prepared & Analyzed: 12/19/2023						
Mercury	0.183	0.010	mg/kg	0.125	0.096	69.6	80-120	0.324	20	*M*

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0768 - SW7471B										
Blank (BGL0768-BLK1)				Prepared & Analyzed: 12/19/2023						
Mercury	ND	0.008	mg/kg							
LCS (BGL0768-BS1)				Prepared & Analyzed: 12/19/2023						
Mercury	0.103	0.008	mg/kg	0.0988		104	80-120			
Matrix Spike (BGL0768-MS1)	**Source: 23L0795-08**			Prepared & Analyzed: 12/19/2023						
Mercury	0.130	0.010	mg/kg	0.120	BLOD	109	80-120			
Matrix Spike Dup (BGL0768-MSD1)	**Source: 23L0795-08**			Prepared & Analyzed: 12/19/2023						
Mercury	0.129	0.010	mg/kg	0.120	BLOD	107	80-120	1.09	20	
Batch BGL0833 - SW3050B-ICPMS										
Blank (BGL0833-BLK1)				Prepared: 12/20/2023 Analyzed: 12/27/2023						
Zinc	ND	250	ug/kg							
Arsenic	ND	50.0	ug/kg							
Antimony	ND	50.0	ug/kg							
Nickel	ND	50.0	ug/kg							
Vanadium	ND	250	ug/kg							
Thallium	ND	50.0	ug/kg							
Silver	ND	2.50	ug/kg							
Selenium	ND	50.0	ug/kg							
Manganese	ND	50.0	ug/kg							
Beryllium	ND	50.0	ug/kg							
Cadmium	ND	50.0	ug/kg							
Barium	ND	500	ug/kg							
Lead	ND	50.0	ug/kg							
Copper	ND	50.0	ug/kg							

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Batch BGL0833 - SW3050B-ICPMS										
Blank (BGL0833-BLK1)				Prepared: 12/20/2023 Analyzed: 12/27/2023						
Chromium	ND	50.0	ug/kg							
Cobalt	ND	50.0	ug/kg							
LCS (BGL0833-BS1)				Prepared: 12/20/2023 Analyzed: 12/27/2023						
Barium	2490	500	ug/kg	2470		101	80-120			
Cadmium	2600	50.0	ug/kg	2470		105	80-120			
Chromium	2610	50.0	ug/kg	2470		106	80-120			
Cobalt	2570	50.0	ug/kg	2470		104	80-120			
Arsenic	2590	50.0	ug/kg	2470		105	80-120			
Antimony	2580	50.0	ug/kg	2470		104	80-120			
Copper	2530	50.0	ug/kg	2470		103	80-120			
Thallium	1820	50.0	ug/kg	2470		74.0	80-120			*L*
Zinc	2860	250	ug/kg	2470		116	80-120			
Vanadium	2540	250	ug/kg	2470		103	80-120			
Silver	505	2.50	ug/kg	493		102	80-120			
Selenium	2780	50.0	ug/kg	2470		113	80-120			
Nickel	2590	50.0	ug/kg	2470		105	80-120			
Manganese	2620	50.0	ug/kg	2470		106	80-120			
Lead	2660	50.0	ug/kg	2470		108	80-120			
LCS (BGL0833-BS2)				Prepared: 12/20/2023 Analyzed: 01/03/2024						
Beryllium	2710	50.0	ug/kg	2470		110	80-120			
Matrix Spike (BGL0833-MS1)	**Source: 23L1137-09**			Prepared: 12/20/2023 Analyzed: 12/27/2023						
Silver	625	2.96	ug/kg	592	133	83.1	75-125			
Barium	97600	59200	ug/kg	2960	85900	395	75-125			*M2*
Zinc	121000	29600	ug/kg	2960	111000	335	75-125			*M2*

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Batch BGL0833 - SW3050B-ICPMS										
Matrix Spike (BGL0833-MS1)	**Source: 23L1137-09**			Prepared: 12/20/2023 Analyzed: 12/27/2023						
Nickel	11800	59.2	ug/kg	2960	12100	-8.88	75-125			*M*
Cobalt	14500	59.2	ug/kg	2960	13300	41.9	75-125			*M*
Cadmium	3300	59.2	ug/kg	2960	329	100	75-125			
Arsenic	6570	59.2	ug/kg	2960	2500	138	75-125			*M*
Antimony	446	59.2	ug/kg	2960	102	11.6	75-125			*M*
Selenium	4360	59.2	ug/kg	2960	2130	75.3	75-125			
Vanadium	136000	29600	ug/kg	2960	108000	955	75-125			*M2*
Manganese	369000	5920	ug/kg	2960	404000	-1180	75-125			*M2*
Lead	122000	5920	ug/kg	2960	61100	2040	75-125			*M2*
Chromium	39800	5920	ug/kg	2960	44700	-164	75-125			*M2*
Thallium	2480	59.2	ug/kg	2960	106	80.1	75-125			
Copper	94300	5920	ug/kg	2960	155000	-2040	75-125			*M2*
Matrix Spike (BGL0833-MS2)	**Source: 23L1137-09RE1**			Prepared: 12/20/2023 Analyzed: 01/03/2024						
Beryllium	3360	59.2	ug/kg	2960	493	97.0	75-125			
Matrix Spike Dup (BGL0833-MSD1)	**Source: 23L1137-09**			Prepared: 12/20/2023 Analyzed: 12/27/2023						
Barium	93600	62200	ug/kg	3110	85900	248	75-125	4.17	20	*M2*
Chromium	44200	6220	ug/kg	3110	44700	-16.0	75-125	10.4	20	*M2*
Arsenic	5000	62.2	ug/kg	3110	2500	80.4	75-125	27.2	20	*P*
Antimony	377	62.2	ug/kg	3110	102	8.83	75-125	16.8	20	*M*
Lead	59800	6220	ug/kg	3110	61100	-41.6	75-125	68.1	20	*M2, P*
Silver	683	3.11	ug/kg	622	133	88.5	75-125	8.94	20	
Manganese	361000	6220	ug/kg	3110	404000	-1370	75-125	2.05	20	*M2*
Vanadium	100000	31100	ug/kg	3110	108000	-240	75-125	30.2	20	*M2, P*
Copper	117000	6220	ug/kg	3110	155000	-1230	75-125	21.0	20	*M2*

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Batch BGL0833 - SW3050B-ICPMS										
Matrix Spike Dup (BGL0833-MSD1)	**Source: 23L1137-09**			Prepared: 12/20/2023 Analyzed: 12/27/2023						
Thallium	2770	62.2	ug/kg	3110	106	85.7	75-125	11.2	20	
Selenium	4940	62.2	ug/kg	3110	2130	90.6	75-125	12.6	20	
Zinc	104000	31100	ug/kg	3110	111000	-217	75-125	14.9	20	*M2*
Cadmium	3260	62.2	ug/kg	3110	329	94.3	75-125	1.14	20	
Cobalt	14700	62.2	ug/kg	3110	13300	45.8	75-125	1.27	20	*M*
Nickel	18600	62.2	ug/kg	3110	12100	209	75-125	44.4	20	*M, P*
Matrix Spike Dup (BGL0833-MSD2)	**Source: 23L1137-09RE1**			Prepared: 12/20/2023 Analyzed: 01/03/2024						
Beryllium	3490	62.2	ug/kg	3110	493	96.2	75-125	3.57	20	
Batch BGL0844 - SW7471B										
Blank (BGL0844-BLK1)				Prepared & Analyzed: 12/20/2023						
Mercury	ND	0.008	mg/kg							
LCS (BGL0844-BS1)				Prepared & Analyzed: 12/20/2023						
Mercury	0.107	0.008	mg/kg	0.0994		107	80-120			
Matrix Spike (BGL0844-MS1)	**Source: 23L1137-10**			Prepared & Analyzed: 12/20/2023						
Mercury	0.152	0.009	mg/kg	0.113	0.026	112	80-120			
Matrix Spike Dup (BGL0844-MSD1)	**Source: 23L1137-10**			Prepared & Analyzed: 12/20/2023						
Mercury	0.195	0.009	mg/kg	0.114	0.026	149	80-120	24.6	20	*M, P*
Batch BGL1049 - SW3050B-ICPMS										
Blank (BGL1049-BLK1)				Prepared: 12/27/2023 Analyzed: 01/04/2024						
Silver	ND	2.50	ug/kg							
Copper	ND	50.0	ug/kg							
Cadmium	ND	50.0	ug/kg							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL1049 - SW3050B-ICPMS										
Blank (BGL1049-BLK1)				Prepared: 12/27/2023 Analyzed: 01/04/2024						
Beryllium	ND	50.0	ug/kg							
Barium	ND	500	ug/kg							
Arsenic	ND	50.0	ug/kg							
Antimony	ND	50.0	ug/kg							
Vanadium	ND	250	ug/kg							
Cobalt	ND	50.0	ug/kg							
Lead	ND	50.0	ug/kg							
Manganese	ND	50.0	ug/kg							
Zinc	ND	250	ug/kg							
Nickel	ND	50.0	ug/kg							
Selenium	ND	50.0	ug/kg							
Thallium	ND	50.0	ug/kg							
Chromium	ND	50.0	ug/kg							
LCS (BGL1049-BS1)				Prepared: 12/27/2023 Analyzed: 01/04/2024						
Silver	464	2.50	ug/kg	461		101	80-120			
Cobalt	2290	50.0	ug/kg	2300		99.6	80-120			
Selenium	2530	50.0	ug/kg	2300		110	80-120			
Vanadium	2270	250	ug/kg	2300		98.7	80-120			
Antimony	2320	50.0	ug/kg	2300		101	80-120			
Arsenic	2420	50.0	ug/kg	2300		105	80-120			
Barium	2370	500	ug/kg	2300		103	80-120			
Beryllium	2310	50.0	ug/kg	2300		100	80-120			
Chromium	2330	50.0	ug/kg	2300		101	80-120			
Copper	2330	50.0	ug/kg	2300		101	80-120			

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL1049 - SW3050B-ICPMS										
LCS (BGL1049-BS1)				Prepared: 12/27/2023 Analyzed: 01/04/2024						
Lead	2480	50.0	ug/kg	2300		108	80-120			
Nickel	2320	50.0	ug/kg	2300		101	80-120			
Zinc	2570	250	ug/kg	2300		111	80-120			
Thallium	1690	50.0	ug/kg	2300		73.1	80-120			*L*
Manganese	2310	50.0	ug/kg	2300		100	80-120			
Cadmium	2380	50.0	ug/kg	2300		103	80-120			
Matrix Spike (BGL1049-MS1)	**Source: 23L1228-05**			Prepared: 12/27/2023 Analyzed: 01/04/2024						
Cadmium	3160	59.4	ug/kg	2970	451	91.4	75-125			
Thallium	2670	59.4	ug/kg	2970	131	85.3	75-125			
Silver	637	2.97	ug/kg	594	85.6	92.8	75-125			
Selenium	5430	59.4	ug/kg	2970	2610	94.9	75-125			
Antimony	904	59.4	ug/kg	2970	326	19.5	75-125			*M*
Beryllium	3410	59.4	ug/kg	2970	499	98.2	75-125			
Cobalt	15300	59.4	ug/kg	2970	12100	108	75-125			
Nickel	17600	59.4	ug/kg	2970	15500	68.5	75-125			*M*
Arsenic	5720	59.4	ug/kg	2970	3210	84.8	75-125			
Matrix Spike (BGL1049-MS2)	**Source: 23L1228-05RE1**			Prepared: 12/27/2023 Analyzed: 01/04/2024						
Vanadium	91900	29700	ug/kg	2970	75400	555	75-125			*M2*
Copper	55600	5940	ug/kg	2970	47100	286	75-125			*M2*
Manganese	367000	5940	ug/kg	2970	328000	1300	75-125			*M2*
Lead	82000	5940	ug/kg	2970	80200	63.1	75-125			*M2*
Barium	82600	59400	ug/kg	2970	79300	111	75-125			
Zinc	104000	29700	ug/kg	2970	100000	118	75-125			
Chromium	64200	5940	ug/kg	2970	53600	358	75-125			*M2*

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Batch BGL1049 - SW3050B-ICPMS										
Matrix Spike Dup (BGL1049-MSD1)	**Source: 23L1228-05**			Prepared: 12/27/2023 Analyzed: 01/04/2024						
Antimony	699	59.6	ug/kg	2980	326	12.5	75-125	25.6	20	*M, P*
Arsenic	5810	59.6	ug/kg	2980	3210	87.4	75-125	1.49	20	
Beryllium	3470	59.6	ug/kg	2980	499	99.7	75-125	1.60	20	
Cobalt	16600	59.6	ug/kg	2980	12100	151	75-125	8.21	20	*M*
Nickel	17200	59.6	ug/kg	2980	15500	56.3	75-125	2.05	20	*M*
Selenium	6050	59.6	ug/kg	2980	2610	115	75-125	10.8	20	
Silver	667	2.98	ug/kg	596	85.6	97.5	75-125	4.59	20	
Cadmium	3330	59.6	ug/kg	2980	451	96.7	75-125	5.14	20	
Thallium	2450	59.6	ug/kg	2980	131	77.8	75-125	8.42	20	
Matrix Spike Dup (BGL1049-MSD2)	**Source: 23L1228-05RE1**			Prepared: 12/27/2023 Analyzed: 01/04/2024						
Copper	58700	5960	ug/kg	2980	47100	390	75-125	5.46	20	*M2*
Chromium	50100	5960	ug/kg	2980	53600	-117	75-125	24.7	20	*M2, P*
Lead	87200	5960	ug/kg	2980	80200	238	75-125	6.15	20	*M2*
Manganese	475000	5960	ug/kg	2980	328000	4910	75-125	25.6	20	*M2, P*
Vanadium	88000	29800	ug/kg	2980	75400	425	75-125	4.25	20	*M2*
Zinc	107000	29800	ug/kg	2980	100000	232	75-125	3.21	20	*M2*
Barium	92000	59600	ug/kg	2980	79300	424	75-125	10.7	20	*M2*
Batch BGL1050 - SW3050B-ICPMS										
Blank (BGL1050-BLK1)				Prepared: 12/27/2023 Analyzed: 01/05/2024						
Nickel	ND	50.0	ug/kg							
Zinc	ND	250	ug/kg							
Selenium	ND	50.0	ug/kg							
Manganese	ND	50.0	ug/kg							
Lead	ND	50.0	ug/kg							

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Batch BGL1050 - SW3050B-ICPMS										
Blank (BGL1050-BLK1)				Prepared: 12/27/2023 Analyzed: 01/05/2024						
Copper	ND	50.0	ug/kg							
Cobalt	ND	50.0	ug/kg							
Chromium	ND	50.0	ug/kg							
Cadmium	ND	50.0	ug/kg							
Beryllium	ND	50.0	ug/kg							
Barium	ND	500	ug/kg							
Arsenic	ND	50.0	ug/kg							
Antimony	ND	50.0	ug/kg							
Vanadium	ND	250	ug/kg							
Thallium	ND	50.0	ug/kg							
Silver	ND	2.50	ug/kg							
LCS (BGL1050-BS1)				Prepared: 12/27/2023 Analyzed: 01/05/2024						
Thallium	1810	50.0	ug/kg	2420		74.9	80-120			*L*
Vanadium	2440	250	ug/kg	2420		101	80-120			
Silver	496	2.50	ug/kg	484		103	80-120			
Selenium	2770	50.0	ug/kg	2420		114	80-120			
Nickel	2520	50.0	ug/kg	2420		104	80-120			
Manganese	2590	50.0	ug/kg	2420		107	80-120			
Lead	2690	50.0	ug/kg	2420		111	80-120			
Arsenic	2550	50.0	ug/kg	2420		105	80-120			
Cobalt	2490	50.0	ug/kg	2420		103	80-120			
Chromium	2530	50.0	ug/kg	2420		105	80-120			
Cadmium	2530	50.0	ug/kg	2420		105	80-120			
Beryllium	2440	50.0	ug/kg	2420		101	80-120			

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Batch BGL1050 - SW3050B-ICPMS										
LCS (BGL1050-BS1)				Prepared: 12/27/2023 Analyzed: 01/05/2024						
Barium	2570	500	ug/kg	2420		106	80-120			
Zinc	2750	250	ug/kg	2420		114	80-120			
Antimony	2590	50.0	ug/kg	2420		107	80-120			
Copper	2490	50.0	ug/kg	2420		103	80-120			
Matrix Spike (BGL1050-MS1)	**Source: 23L1295-01**			Prepared: 12/27/2023 Analyzed: 01/05/2024						
Selenium	4990	59.2	ug/kg	2960	2540	82.9	75-125			
Silver	636	2.96	ug/kg	592	88.5	92.6	75-125			
Cobalt	15300	59.2	ug/kg	2960	15900	-18.4	75-125			*M*
Cadmium	3060	59.2	ug/kg	2960	207	96.5	75-125			
Nickel	14800	59.2	ug/kg	2960	11900	99.7	75-125			
Beryllium	3610	59.2	ug/kg	2960	589	102	75-125			
Thallium	2360	59.2	ug/kg	2960	118	75.8	75-125			
Arsenic	6740	59.2	ug/kg	2960	4760	66.8	75-125			*M*
Antimony	477	59.2	ug/kg	2960	187	9.81	75-125			*M*
Matrix Spike (BGL1050-MS2)	**Source: 23L1295-01RE1**			Prepared: 12/27/2023 Analyzed: 01/05/2024						
Lead	71000	5920	ug/kg	2960	68400	88.6	75-125			
Zinc	117000	29600	ug/kg	2960	103000	479	75-125			*M2*
Manganese	452000	5920	ug/kg	2960	518000	-2210	75-125			*M2*
Copper	65400	5920	ug/kg	2960	71400	-205	75-125			*M2*
Chromium	34700	5920	ug/kg	2960	34900	-9.88	75-125			*M2*
Barium	94900	59200	ug/kg	2960	102000	-236	75-125			*M*
Vanadium	87100	29600	ug/kg	2960	93100	-204	75-125			*M2*
Matrix Spike Dup (BGL1050-MSD1)	**Source: 23L1295-01**			Prepared: 12/27/2023 Analyzed: 01/05/2024						
Cadmium	3000	60.2	ug/kg	3010	207	92.8	75-125	2.02	20	

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Batch BGL1050 - SW3050B-ICPMS										
Matrix Spike Dup (BGL1050-MSD1)	**Source: 23L1295-01**			Prepared: 12/27/2023 Analyzed: 01/05/2024						
Selenium	5250	60.2	ug/kg	3010	2540	90.0	75-125	4.98	20	
Nickel	16100	60.2	ug/kg	3010	11900	139	75-125	8.00	20	*M*
Arsenic	8150	60.2	ug/kg	3010	4760	113	75-125	18.9	20	
Cobalt	17200	60.2	ug/kg	3010	15900	42.8	75-125	11.3	20	*M*
Thallium	2340	60.2	ug/kg	3010	118	73.9	75-125	0.777	20	*M*
Beryllium	3760	60.2	ug/kg	3010	589	106	75-125	4.18	20	
Antimony	538	60.2	ug/kg	3010	187	11.7	75-125	11.9	20	*M*
Silver	634	3.01	ug/kg	602	88.5	90.7	75-125	0.407	20	
Matrix Spike Dup (BGL1050-MSD2)	**Source: 23L1295-01RE1**			Prepared: 12/27/2023 Analyzed: 01/05/2024						
Zinc	105000	30100	ug/kg	3010	103000	91.8	75-125	10.3	20	
Vanadium	102000	30100	ug/kg	3010	93100	306	75-125	16.1	20	*M2*
Manganese	505000	6020	ug/kg	3010	518000	-428	75-125	11.0	20	*M2*
Lead	73700	6020	ug/kg	3010	68400	178	75-125	3.77	20	*M2*
Copper	63400	6020	ug/kg	3010	71400	-268	75-125	3.10	20	*M2*
Chromium	40500	6020	ug/kg	3010	34900	185	75-125	15.6	20	*M2*
Barium	105000	60200	ug/kg	3010	102000	105	75-125	10.2	20	
Batch BHA0160 - SW7471B										
Blank (BHA0160-BLK1)				Prepared & Analyzed: 01/05/2024						
Mercury	ND	0.008	mg/kg							
LCS (BHA0160-BS1)				Prepared & Analyzed: 01/05/2024						
Mercury	0.094	0.008	mg/kg	0.0963		97.5	80-120			
Matrix Spike (BHA0160-MS2)	**Source: 23L1295-01RE1**			Prepared & Analyzed: 01/05/2024						
Mercury	0.189	0.045	mg/kg	0.113	0.430	-212	80-120			*M2*

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHA0160 - SW7471B										
Matrix Spike Dup (BHA0160-MSD2)	**Source: 23L1295-01RE1**			Prepared & Analyzed: 01/05/2024						
Mercury	0.232	0.044	mg/kg	0.111	0.430	-178	80-120	20.5	20	*M2*
Batch BHA0204 - SW7471B										
Blank (BHA0204-BLK1)				Prepared & Analyzed: 01/08/2024						
Mercury	ND	0.008	mg/kg							
LCS (BHA0204-BS1)				Prepared & Analyzed: 01/08/2024						
Mercury	0.092	0.008	mg/kg	0.0962		95.2	80-120			
Matrix Spike (BHA0204-MS2)	**Source: 23L1228-07**			Prepared & Analyzed: 01/08/2024						
Mercury	0.168	0.009	mg/kg	0.116	0.042	108	80-120			
Matrix Spike Dup (BHA0204-MSD2)	**Source: 23L1228-07**			Prepared & Analyzed: 01/08/2024						
Mercury	0.141	0.009	mg/kg	0.115	0.042	85.5	80-120	17.4	20	

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0451 - SW5035-MS										
Blank (BGL0451-BLK1)				Prepared & Analyzed: 12/12/2023						
1,1,1,2-Tetrachloroethane	ND	5.00	ug/kg							
1,1,1-Trichloroethane	ND	5.00	ug/kg							
1,1,2,2-Tetrachloroethane	ND	5.00	ug/kg							
1,1,2-Trichloroethane	ND	5.00	ug/kg							
1,1-Dichloroethane	ND	5.00	ug/kg							
1,1-Dichloroethylene	ND	5.00	ug/kg							
1,1-Dichloropropene	ND	5.00	ug/kg							
1,2,3-Trichlorobenzene	ND	5.00	ug/kg							
1,2,3-Trichloropropane	ND	5.00	ug/kg							
1,2,4-Trichlorobenzene	ND	5.00	ug/kg							
1,2,4-Trimethylbenzene	ND	5.00	ug/kg							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.00	ug/kg							
1,2-Dibromoethane (EDB)	ND	5.00	ug/kg							
1,2-Dichlorobenzene	ND	5.00	ug/kg							
1,2-Dichloroethane	ND	5.00	ug/kg							
1,2-Dichloropropane	ND	5.00	ug/kg							
1,3,5-Trimethylbenzene	ND	5.00	ug/kg							
1,3-Dichlorobenzene	ND	5.00	ug/kg							
1,3-Dichloropropane	ND	5.00	ug/kg							
1,4-Dichlorobenzene	ND	5.00	ug/kg							
2,2-Dichloropropane	ND	5.00	ug/kg							
2-Butanone (MEK)	ND	5.00	ug/kg							
2-Chlorotoluene	ND	5.00	ug/kg							
2-Hexanone (MBK)	ND	5.00	ug/kg							
4-Chlorotoluene	ND	5.00	ug/kg							

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Batch BGL0451 - SW5035-MS										
Blank (BGL0451-BLK1)				Prepared & Analyzed: 12/12/2023						
4-Isopropyltoluene	ND	5.00	ug/kg							
4-Methyl-2-pentanone (MIBK)	ND	5.00	ug/kg							
Acetone	ND	10.0	ug/kg							
Benzene	ND	5.00	ug/kg							
Bromobenzene	ND	5.00	ug/kg							
Bromochloromethane	ND	5.00	ug/kg							
Bromodichloromethane	ND	5.00	ug/kg							
Bromoform	ND	5.00	ug/kg							
Bromomethane	ND	5.00	ug/kg							
Carbon disulfide	ND	5.00	ug/kg							
Carbon tetrachloride	ND	5.00	ug/kg							
Chlorobenzene	ND	5.00	ug/kg							
Chloroethane	ND	5.00	ug/kg							
Chloroform	ND	5.00	ug/kg							
Chloromethane	ND	5.00	ug/kg							
cis-1,2-Dichloroethylene	ND	5.00	ug/kg							
cis-1,3-Dichloropropene	ND	5.00	ug/kg							
Dibromochloromethane	ND	5.00	ug/kg							
Dibromomethane	ND	5.00	ug/kg							
Dichlorodifluoromethane	ND	5.00	ug/kg							
Di-isopropyl ether (DIPE)	ND	5.00	ug/kg							
Ethylbenzene	ND	5.00	ug/kg							
Hexachlorobutadiene	ND	5.00	ug/kg							
Iodomethane	ND	10.0	ug/kg							
Isopropylbenzene	ND	5.00	ug/kg							

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0451 - SW5035-MS										
Blank (BGL0451-BLK1)				Prepared & Analyzed: 12/12/2023						
m+p-Xylenes	ND	5.00	ug/kg							
Methylene chloride	ND	5.00	ug/kg							
Methyl-t-butyl ether (MTBE)	ND	5.00	ug/kg							
Naphthalene	ND	5.00	ug/kg							
n-Butylbenzene	ND	5.00	ug/kg							
n-Propylbenzene	ND	5.00	ug/kg							
o-Xylene	ND	5.00	ug/kg							
sec-Butylbenzene	ND	5.00	ug/kg							
Styrene	ND	5.00	ug/kg							
tert-Butylbenzene	ND	5.00	ug/kg							
Tetrachloroethylene (PCE)	ND	5.00	ug/kg							
Toluene	ND	5.00	ug/kg							
trans-1,2-Dichloroethylene	ND	5.00	ug/kg							
trans-1,3-Dichloropropene	ND	5.00	ug/kg							
Trichloroethylene	ND	5.00	ug/kg							
Trichlorofluoromethane	ND	5.00	ug/kg							
Vinyl acetate	ND	10.0	ug/kg							
Vinyl chloride	ND	5.00	ug/kg							
Xylenes, Total	ND	15.0	ug/kg							
Surr: 1,2-Dichloroethane-d4 (Surr)	*56.7*		ug/kg	*50.0*		*113*	*80-120*			
Surr: 4-Bromofluorobenzene (Surr)	*48.8*		ug/kg	*50.0*		*97.5*	*85-120*			
Surr: Dibromofluoromethane (Surr)	*53.0*		ug/kg	*50.0*		*106*	*80-130*			
Surr: Toluene-d8 (Surr)	*49.8*		ug/kg	*50.0*		*99.6*	*85-115*			
LCS (BGL0451-BS1)				Prepared & Analyzed: 12/12/2023						

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Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0451 - SW5035-MS										
LCS (BGL0451-BS1)				Prepared & Analyzed: 12/12/2023						
1,1,1,2-Tetrachloroethane	45.9	5	ug/kg	50.0		91.7	85-132			
1,1,1-Trichloroethane	43.0	5	ug/kg	50.0		86.1	70-135			
1,1,2,2-Tetrachloroethane	49.0	5	ug/kg	50.0		98.1	55-130			
1,1,2-Trichloroethane	50.9	5	ug/kg	50.0		102	60-125			
1,1-Dichloroethane	36.8	5	ug/kg	50.0		73.6	70-136			
1,1-Dichloroethylene	36.1	5	ug/kg	50.0		72.2	65-135			
1,1-Dichloropropene	41.0	5	ug/kg	50.0		81.9	70-135			
1,2,3-Trichlorobenzene	44.8	5	ug/kg	50.0		89.5	60-135			
1,2,3-Trichloropropane	49.0	5	ug/kg	50.0		98.1	65-130			
1,2,4-Trichlorobenzene	45.2	5	ug/kg	50.0		90.4	65-130			
1,2,4-Trimethylbenzene	45.1	5	ug/kg	50.0		90.3	65-135			
1,2-Dibromo-3-chloropropane (DBCP)	46.9	5	ug/kg	50.0		93.7	40-135			
1,2-Dibromoethane (EDB)	51.4	5	ug/kg	50.0		103	70-125			
1,2-Dichlorobenzene	46.7	5	ug/kg	50.0		93.5	75-120			
1,2-Dichloroethane	42.7	5	ug/kg	50.0		85.4	70-135			
1,2-Dichloropropane	41.5	5	ug/kg	50.0		83.0	70-120			
1,3,5-Trimethylbenzene	42.5	5	ug/kg	50.0		85.0	65-135			
1,3-Dichlorobenzene	42.8	5	ug/kg	50.0		85.5	70-125			
1,3-Dichloropropane	48.8	5	ug/kg	50.0		97.6	75-125			
1,4-Dichlorobenzene	45.4	5	ug/kg	50.0		90.8	70-125			
2,2-Dichloropropane	36.6	5	ug/kg	50.0		73.2	65-135			
2-Butanone (MEK)	40.6	5	ug/kg	50.0		81.3	30-160			
2-Chlorotoluene	41.2	5	ug/kg	50.0		82.5	70-130			
2-Hexanone (MBK)	35.6	5	ug/kg	50.0		71.2	45-145			
4-Chlorotoluene	43.5	5	ug/kg	50.0		87.0	75-125			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0451 - SW5035-MS										
LCS (BGL0451-BS1)				Prepared & Analyzed: 12/12/2023						
4-Isopropyltoluene	45.1	5	ug/kg	50.0		90.1	75-135			
4-Methyl-2-pentanone (MIBK)	36.8	5	ug/kg	50.0		73.6	45-145			
Acetone	26.6	10	ug/kg	50.0		53.2	20-160			
Benzene	41.8	5	ug/kg	50.0		83.6	75-125			
Bromobenzene	46.1	5	ug/kg	50.0		92.2	65-120			
Bromochloromethane	48.6	5	ug/kg	50.0		97.2	70-125			
Bromodichloromethane	48.1	5	ug/kg	50.0		96.2	70-130			
Bromoform	52.3	5	ug/kg	50.0		105	55-135			
Bromomethane	14.7	5	ug/kg	50.0		29.3	30-160			*L*
Carbon disulfide	28.8	5	ug/kg	50.0		57.6	45-160			
Carbon tetrachloride	42.0	5	ug/kg	50.0		84.0	65-135			
Chlorobenzene	45.1	5	ug/kg	50.0		90.1	75-125			
Chloroethane	30.3	5	ug/kg	50.0		60.6	40-155			
Chloroform	40.4	5	ug/kg	50.0		80.8	70-125			
Chloromethane	31.6	5	ug/kg	50.0		63.2	50-130			
cis-1,2-Dichloroethylene	42.8	5	ug/kg	50.0		85.7	65-125			
cis-1,3-Dichloropropene	45.6	5	ug/kg	50.0		91.1	70-125			
Dibromochloromethane	53.5	5	ug/kg	50.0		107	65-130			
Dibromomethane	50.4	5	ug/kg	50.0		101	75-130			
Dichlorodifluoromethane	13.3	5	ug/kg	50.0		26.5	35-135			*L*
Ethylbenzene	42.1	5	ug/kg	50.0		84.2	75-125			
Hexachlorobutadiene	40.9	5	ug/kg	50.0		81.8	55-140			
Isopropylbenzene	40.3	5	ug/kg	50.0		80.6	75-130			
m+p-Xylenes	83.5	5	ug/kg	100		83.5	80-125			
Methylene chloride	39.0	5	ug/kg	50.0		78.1	55-140			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0451 - SW5035-MS										
LCS (BGL0451-BS1)				Prepared & Analyzed: 12/12/2023						
Methyl-t-butyl ether (MTBE)	51.3	5	ug/kg	50.0		103	65-125			
Naphthalene	52.7	5	ug/kg	50.0		105	40-125			
n-Butylbenzene	42.5	5	ug/kg	50.0		84.9	65-140			
n-Propylbenzene	39.8	5	ug/kg	50.0		79.5	65-135			
o-Xylene	44.8	5	ug/kg	50.0		89.6	75-125			
sec-Butylbenzene	35.7	5	ug/kg	50.0		71.4	65-130			
Styrene	42.6	5	ug/kg	50.0		85.2	75-125			
tert-Butylbenzene	42.9	5	ug/kg	50.0		85.9	65-130			
Tetrachloroethylene (PCE)	35.1	5	ug/kg	50.0		70.2	48.1-219			
Toluene	45.2	5	ug/kg	50.0		90.4	70-125			
trans-1,2-Dichloroethylene	39.8	5	ug/kg	50.0		79.6	65-135			
trans-1,3-Dichloropropene	49.3	5	ug/kg	50.0		98.6	65-125			
Trichloroethylene	42.6	5	ug/kg	50.0		85.3	75-125			
Trichlorofluoromethane	31.3	5	ug/kg	50.0		62.6	25-185			
Vinyl chloride	15.9	5	ug/kg	50.0		31.8	60-125			*L*
Surr: 1,2-Dichloroethane-d4 (Surr)	*55.1*		ug/kg	*50.0*		*110*	*80-120*			
Surr: 4-Bromofluorobenzene (Surr)	*51.3*		ug/kg	*50.0*		*103*	*85-120*			
Surr: Dibromofluoromethane (Surr)	*50.9*		ug/kg	*50.0*		*102*	*80-130*			
Surr: Toluene-d8 (Surr)	*50.5*		ug/kg	*50.0*		*101*	*85-115*			
Duplicate (BGL0451-DUP1)	**Source: 23L0566-01**			Prepared & Analyzed: 12/12/2023						
1,1,1,2-Tetrachloroethane	ND	5.68	ug/kg		BLOD			NA	30	
1,1,1-Trichloroethane	ND	5.68	ug/kg		BLOD			NA	30	
1,1,2,2-Tetrachloroethane	ND	5.68	ug/kg		BLOD			NA	30	
1,1,2-Trichloroethane	ND	5.68	ug/kg		BLOD			NA	30	

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0451 - SW5035-MS										
Duplicate (BGL0451-DUP1)		**Source: 23L0566-01**		Prepared & Analyzed: 12/12/2023						
1,1-Dichloroethane	ND	5.68	ug/kg		BLOD			NA	30	
1,1-Dichloroethylene	ND	5.68	ug/kg		BLOD			NA	30	
1,1-Dichloropropene	ND	5.68	ug/kg		BLOD			NA	30	
1,2,3-Trichlorobenzene	ND	5.68	ug/kg		BLOD			NA	30	
1,2,3-Trichloropropane	ND	5.68	ug/kg		BLOD			NA	30	
1,2,4-Trichlorobenzene	ND	5.68	ug/kg		BLOD			NA	30	
1,2,4-Trimethylbenzene	ND	5.68	ug/kg		BLOD			NA	30	
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.68	ug/kg		BLOD			NA	30	
1,2-Dibromoethane (EDB)	ND	5.68	ug/kg		BLOD			NA	30	
1,2-Dichlorobenzene	ND	5.68	ug/kg		BLOD			NA	30	
1,2-Dichloroethane	ND	5.68	ug/kg		BLOD			NA	30	
1,2-Dichloropropane	ND	5.68	ug/kg		BLOD			NA	30	
1,3,5-Trimethylbenzene	ND	5.68	ug/kg		BLOD			NA	30	
1,3-Dichlorobenzene	ND	5.68	ug/kg		BLOD			NA	30	
1,3-Dichloropropane	ND	5.68	ug/kg		BLOD			NA	30	
1,4-Dichlorobenzene	ND	5.68	ug/kg		BLOD			NA	30	
2,2-Dichloropropane	ND	5.68	ug/kg		BLOD			NA	30	
2-Butanone (MEK)	12.4	5.68	ug/kg		BLOD			NA	30	
2-Chlorotoluene	ND	5.68	ug/kg		BLOD			NA	30	
2-Hexanone (MBK)	ND	5.68	ug/kg		BLOD			NA	30	
4-Chlorotoluene	ND	5.68	ug/kg		BLOD			NA	30	
4-Isopropyltoluene	ND	5.68	ug/kg		BLOD			NA	30	
4-Methyl-2-pentanone (MIBK)	ND	5.68	ug/kg		BLOD			NA	30	
Acetone	146	11.4	ug/kg		73.2			66.6	30	*P*
Benzene	ND	5.68	ug/kg		BLOD			NA	30	

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0451 - SW5035-MS										
Duplicate (BGL0451-DUP1)	**Source: 23L0566-01**			Prepared & Analyzed: 12/12/2023						
Bromobenzene	ND	5.68	ug/kg		BLOD			NA	30	
Bromochloromethane	ND	5.68	ug/kg		BLOD			NA	30	
Bromodichloromethane	ND	5.68	ug/kg		BLOD			NA	30	
Bromoform	ND	5.68	ug/kg		BLOD			NA	30	
Bromomethane	ND	5.68	ug/kg		BLOD			NA	30	
Carbon disulfide	ND	5.68	ug/kg		BLOD			NA	30	
Carbon tetrachloride	ND	5.68	ug/kg		BLOD			NA	30	
Chlorobenzene	ND	5.68	ug/kg		BLOD			NA	30	
Chloroethane	ND	5.68	ug/kg		BLOD			NA	30	
Chloroform	ND	5.68	ug/kg		BLOD			NA	30	
Chloromethane	ND	5.68	ug/kg		BLOD			NA	30	
cis-1,2-Dichloroethylene	ND	5.68	ug/kg		BLOD			NA	30	
cis-1,3-Dichloropropene	ND	5.68	ug/kg		BLOD			NA	30	
Dibromochloromethane	ND	5.68	ug/kg		BLOD			NA	30	
Dibromomethane	ND	5.68	ug/kg		BLOD			NA	30	
Dichlorodifluoromethane	ND	5.68	ug/kg		BLOD			NA	30	
Di-isopropyl ether (DIPE)	ND	5.68	ug/kg		BLOD			NA	30	
Ethylbenzene	ND	5.68	ug/kg		BLOD			NA	30	
Hexachlorobutadiene	ND	5.68	ug/kg		BLOD			NA	30	
Iodomethane	ND	11.4	ug/kg		BLOD			NA	30	
Isopropylbenzene	ND	5.68	ug/kg		BLOD			NA	30	
m+p-Xylenes	ND	5.68	ug/kg		BLOD			NA	30	
Methylene chloride	ND	5.68	ug/kg		BLOD			NA	30	
Methyl-t-butyl ether (MTBE)	ND	5.68	ug/kg		BLOD			NA	30	
Naphthalene	ND	5.68	ug/kg		BLOD			NA	30	

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0451 - SW5035-MS										
Duplicate (BGL0451-DUP1)	**Source: 23L0566-01**			Prepared & Analyzed: 12/12/2023						
n-Butylbenzene	ND	5.68	ug/kg		BLOD			NA	30	
n-Propylbenzene	ND	5.68	ug/kg		BLOD			NA	30	
o-Xylene	ND	5.68	ug/kg		BLOD			NA	30	
sec-Butylbenzene	ND	5.68	ug/kg		BLOD			NA	30	
Styrene	ND	5.68	ug/kg		BLOD			NA	30	
tert-Butylbenzene	ND	5.68	ug/kg		BLOD			NA	30	
Tetrachloroethylene (PCE)	ND	5.68	ug/kg		BLOD			NA	30	
Toluene	ND	5.68	ug/kg		BLOD			NA	30	
trans-1,2-Dichloroethylene	ND	5.68	ug/kg		BLOD			NA	30	
trans-1,3-Dichloropropene	ND	5.68	ug/kg		BLOD			NA	30	
Trichloroethylene	ND	5.68	ug/kg		BLOD			NA	30	
Trichlorofluoromethane	ND	5.68	ug/kg		BLOD			NA	30	
Vinyl acetate	ND	11.4	ug/kg		BLOD			NA	30	
Vinyl chloride	ND	5.68	ug/kg		BLOD			NA	30	
Xylenes, Total	ND	17.0	ug/kg		BLOD			NA	30	
Tetrahydrofuran	ND	11.4	ug/kg		BLOD			NA	30	
Diethyl ether	ND	5.68	ug/kg		BLOD			NA	30	
Surr: 1,2-Dichloroethane-d4 (Surr)	*64.5*		ug/kg	*50.0*		*129*	*80-120*			*S*
Surr: 4-Bromofluorobenzene (Surr)	*42.2*		ug/kg	*50.0*		*84.4*	*85-120*			*S*
Surr: Dibromofluoromethane (Surr)	*60.9*		ug/kg	*50.0*		*122*	*80-130*			
Surr: Toluene-d8 (Surr)	*48.4*		ug/kg	*50.0*		*96.9*	*85-115*			
Batch BGL0454 - SW5030B-MS										
Blank (BGL0454-BLK1)				Prepared & Analyzed: 12/12/2023						
1,1,1,2-Tetrachloroethane	ND	0.40	ug/L							

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Batch BGL0454 - SW5030B-MS										
Blank (BGL0454-BLK1)				Prepared & Analyzed: 12/12/2023						
1,1,1-Trichloroethane	ND	1.00	ug/L							
1,1,2,2-Tetrachloroethane	ND	0.40	ug/L							
1,1,2-Trichloroethane	ND	1.00	ug/L							
1,1-Dichloroethane	ND	1.00	ug/L							
1,1-Dichloroethylene	ND	1.00	ug/L							
1,1-Dichloropropene	ND	1.00	ug/L							
1,2,3-Trichlorobenzene	ND	1.00	ug/L							
1,2,3-Trichloropropane	ND	1.00	ug/L							
1,2,4-Trichlorobenzene	ND	1.00	ug/L							
1,2,4-Trimethylbenzene	ND	1.00	ug/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.00	ug/L							
1,2-Dibromoethane (EDB)	ND	1.00	ug/L							
1,2-Dichlorobenzene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	1.00	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
1,3,5-Trimethylbenzene	ND	1.00	ug/L							
1,3-Dichlorobenzene	ND	1.00	ug/L							
1,3-Dichloropropane	ND	1.00	ug/L							
1,4-Dichlorobenzene	ND	1.00	ug/L							
2,2-Dichloropropane	ND	1.00	ug/L							
2-Butanone (MEK)	ND	10.0	ug/L							
2-Chlorotoluene	ND	1.00	ug/L							
2-Hexanone (MBK)	ND	5.00	ug/L							
4-Chlorotoluene	ND	1.00	ug/L							
4-Isopropyltoluene	ND	1.00	ug/L							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0454 - SW5030B-MS										
Blank (BGL0454-BLK1)				Prepared & Analyzed: 12/12/2023						
4-Methyl-2-pentanone (MIBK)	ND	5.00	ug/L							
Acetone	ND	10.0	ug/L							
Benzene	ND	1.00	ug/L							
Bromobenzene	ND	1.00	ug/L							
Bromochloromethane	ND	1.00	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	1.00	ug/L							
Bromomethane	ND	1.00	ug/L							
Carbon disulfide	ND	10.0	ug/L							
Carbon tetrachloride	ND	1.00	ug/L							
Chlorobenzene	ND	1.00	ug/L							
Chloroethane	ND	1.00	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.00	ug/L							
cis-1,2-Dichloroethylene	ND	1.00	ug/L							
cis-1,3-Dichloropropene	ND	1.00	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dibromomethane	ND	1.00	ug/L							
Dichlorodifluoromethane	ND	1.00	ug/L							
Di-isopropyl ether (DIPE)	ND	5.00	ug/L							
Ethylbenzene	ND	1.00	ug/L							
Hexachlorobutadiene	ND	0.80	ug/L							
Iodomethane	ND	10.0	ug/L							
Isopropylbenzene	ND	1.00	ug/L							
m+p-Xylenes	ND	2.00	ug/L							

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Client Site I.D.: Southside Park Landfill

Submitted To: Tom Raymond

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0454 - SW5030B-MS										
Blank (BGL0454-BLK1)				Prepared & Analyzed: 12/12/2023						
Methylene chloride	ND	4.00	ug/L							
Methyl-t-butyl ether (MTBE)	ND	1.00	ug/L							
Naphthalene	ND	1.00	ug/L							
n-Butylbenzene	ND	1.00	ug/L							
n-Propylbenzene	ND	1.00	ug/L							
o-Xylene	ND	1.00	ug/L							
sec-Butylbenzene	ND	1.00	ug/L							
Styrene	ND	1.00	ug/L							
tert-Butylbenzene	ND	1.00	ug/L							
Tetrachloroethylene (PCE)	ND	1.00	ug/L							
Toluene	ND	1.00	ug/L							
trans-1,2-Dichloroethylene	ND	1.00	ug/L							
trans-1,3-Dichloropropene	ND	1.00	ug/L							
Trichloroethylene	ND	1.00	ug/L							
Trichlorofluoromethane	ND	1.00	ug/L							
Vinyl acetate	ND	10.0	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Xylenes, Total	ND	3.00	ug/L							
Surr: 1,2-Dichloroethane-d4 (Surr)	*49.3*		ug/L	*50.0*		*98.6*	*70-120*			
Surr: 4-Bromofluorobenzene (Surr)	*53.5*		ug/L	*50.0*		*107*	*75-120*			
Surr: Dibromofluoromethane (Surr)	*50.3*		ug/L	*50.0*		*101*	*70-130*			
Surr: Toluene-d8 (Surr)	*50.6*		ug/L	*50.0*		*101*	*70-130*			
LCS (BGL0454-BS1)				Prepared & Analyzed: 12/12/2023						
1,1,1,2-Tetrachloroethane	51.3	0.4	ug/L	50.0		103	80-130			

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0454 - SW5030B-MS										
LCS (BGL0454-BS1)				Prepared & Analyzed: 12/12/2023						
1,1,1-Trichloroethane	50.6	1	ug/L	50.0		101	65-130			
1,1,2,2-Tetrachloroethane	52.1	0.4	ug/L	50.0		104	65-130			
1,1,2-Trichloroethane	53.3	1	ug/L	50.0		107	75-125			
1,1-Dichloroethane	52.4	1	ug/L	50.0		105	70-135			
1,1-Dichloroethylene	52.5	1	ug/L	50.0		105	70-130			
1,1-Dichloropropene	52.8	1	ug/L	50.0		106	75-135			
1,2,3-Trichlorobenzene	52.7	1	ug/L	50.0		105	55-140			
1,2,3-Trichloropropane	48.6	1	ug/L	50.0		97.2	75-125			
1,2,4-Trichlorobenzene	48.9	1	ug/L	50.0		97.7	65-135			
1,2,4-Trimethylbenzene	54.1	1	ug/L	50.0		108	75-130			
1,2-Dibromo-3-chloropropane (DBCP)	41.3	1	ug/L	50.0		82.5	50-130			
1,2-Dibromoethane (EDB)	50.6	1	ug/L	50.0		101	80-120			
1,2-Dichlorobenzene	49.1	0.5	ug/L	50.0		98.1	70-120			
1,2-Dichloroethane	50.0	1	ug/L	50.0		100	70-130			
1,2-Dichloropropane	52.1	0.5	ug/L	50.0		104	75-125			
1,3,5-Trimethylbenzene	51.7	1	ug/L	50.0		103	75-125			
1,3-Dichlorobenzene	50.7	1	ug/L	50.0		101	75-125			
1,3-Dichloropropane	51.8	1	ug/L	50.0		104	75-125			
1,4-Dichlorobenzene	49.3	1	ug/L	50.0		98.6	75-125			
2,2-Dichloropropane	50.9	1	ug/L	50.0		102	70-135			
2-Butanone (MEK)	47.5	10	ug/L	50.0		94.9	30-150			
2-Chlorotoluene	51.1	1	ug/L	50.0		102	75-125			
2-Hexanone (MBK)	46.4	5	ug/L	50.0		92.8	55-130			
4-Chlorotoluene	52.0	1	ug/L	50.0		104	75-130			
4-Isopropyltoluene	52.3	1	ug/L	50.0		105	75-130			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0454 - SW5030B-MS										
LCS (BGL0454-BS1)				Prepared & Analyzed: 12/12/2023						
4-Methyl-2-pentanone (MIBK)	51.6	5	ug/L	50.0		103	60-135			
Acetone	38.6	10	ug/L	50.0		77.3	40-140			
Benzene	52.7	1	ug/L	50.0		105	80-120			
Bromobenzene	52.9	1	ug/L	50.0		106	75-125			
Bromochloromethane	50.4	1	ug/L	50.0		101	65-130			
Bromodichloromethane	51.8	0.5	ug/L	50.0		104	75-120			
Bromoform	55.2	1	ug/L	50.0		110	70-130			
Bromomethane	41.5	1	ug/L	50.0		83.0	30-145			
Carbon disulfide	48.2	10	ug/L	50.0		96.4	35-160			
Carbon tetrachloride	49.1	1	ug/L	50.0		98.2	65-140			
Chlorobenzene	50.9	1	ug/L	50.0		102	80-120			
Chloroethane	50.1	1	ug/L	50.0		100	60-135			
Chloroform	50.4	0.5	ug/L	50.0		101	65-135			
Chloromethane	54.4	1	ug/L	50.0		109	40-125			
cis-1,2-Dichloroethylene	53.4	1	ug/L	50.0		107	70-125			
cis-1,3-Dichloropropene	52.3	1	ug/L	50.0		105	70-130			
Dibromochloromethane	53.8	0.5	ug/L	50.0		108	60-135			
Dibromomethane	50.0	1	ug/L	50.0		100	75-125			
Dichlorodifluoromethane	68.5	1	ug/L	50.0		137	30-155			
Ethylbenzene	53.0	1	ug/L	50.0		106	75-125			
Hexachlorobutadiene	43.5	0.8	ug/L	50.0		87.1	50-140			
Isopropylbenzene	50.0	1	ug/L	50.0		100	75-125			
m+p-Xylenes	105	2	ug/L	100		105	75-130			
Methylene chloride	55.9	4	ug/L	50.0		112	55-140			
Methyl-t-butyl ether (MTBE)	51.7	1	ug/L	50.0		103	65-125			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0454 - SW5030B-MS										
LCS (BGL0454-BS1)				Prepared & Analyzed: 12/12/2023						
Naphthalene	50.9	1	ug/L	50.0		102	55-140			
n-Butylbenzene	51.5	1	ug/L	50.0		103	70-135			
n-Propylbenzene	52.1	1	ug/L	50.0		104	70-130			
o-Xylene	52.6	1	ug/L	50.0		105	80-120			
sec-Butylbenzene	54.2	1	ug/L	50.0		108	70-125			
Styrene	53.6	1	ug/L	50.0		107	65-135			
tert-Butylbenzene	51.3	1	ug/L	50.0		103	70-130			
Tetrachloroethylene (PCE)	43.8	1	ug/L	50.0		87.6	45-150			
Toluene	54.3	1	ug/L	50.0		109	75-120			
trans-1,2-Dichloroethylene	52.2	1	ug/L	50.0		104	60-140			
trans-1,3-Dichloropropene	56.3	1	ug/L	50.0		113	55-140			
Trichloroethylene	51.2	1	ug/L	50.0		102	70-125			
Trichlorofluoromethane	55.9	1	ug/L	50.0		112	60-145			
Vinyl chloride	51.6	0.5	ug/L	50.0		103	50-145			
Surr: 1,2-Dichloroethane-d4 (Surr)	*50.2*		ug/L	*50.0*		*100*	*70-120*			
Surr: 4-Bromofluorobenzene (Surr)	*51.8*		ug/L	*50.0*		*104*	*75-120*			
Surr: Dibromofluoromethane (Surr)	*50.8*		ug/L	*50.0*		*102*	*70-130*			
Surr: Toluene-d8 (Surr)	*50.9*		ug/L	*50.0*		*102*	*70-130*			
Matrix Spike (BGL0454-MS1)	**Source: 23L0507-06**			Prepared & Analyzed: 12/12/2023						
1,1,1,2-Tetrachloroethane	53.6	0.4	ug/L	50.0	BLOD	107	80-130			
1,1,1-Trichloroethane	49.8	1	ug/L	50.0	BLOD	99.6	65-130			
1,1,2,2-Tetrachloroethane	58.6	0.4	ug/L	50.0	BLOD	117	65-130			
1,1,2-Trichloroethane	58.5	1	ug/L	50.0	BLOD	117	75-125			
1,1-Dichloroethane	51.7	1	ug/L	50.0	BLOD	103	70-135			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0454 - SW5030B-MS										
Matrix Spike (BGL0454-MS1)	**Source: 23L0507-06**			Prepared & Analyzed: 12/12/2023						
1,1-Dichloroethylene	51.0	1	ug/L	50.0	BLOD	102	50-145			
1,1-Dichloropropene	51.2	1	ug/L	50.0	BLOD	102	75-135			
1,2,3-Trichlorobenzene	55.6	1	ug/L	50.0	BLOD	111	55-140			
1,2,3-Trichloropropane	55.4	1	ug/L	50.0	BLOD	111	75-125			
1,2,4-Trichlorobenzene	49.4	1	ug/L	50.0	BLOD	98.8	65-135			
1,2,4-Trimethylbenzene	53.0	1	ug/L	50.0	0.76	105	75-130			
1,2-Dibromo-3-chloropropane (DBCP)	50.4	1	ug/L	50.0	BLOD	101	50-130			
1,2-Dibromoethane (EDB)	56.3	1	ug/L	50.0	BLOD	113	80-120			
1,2-Dichlorobenzene	50.6	0.5	ug/L	50.0	BLOD	101	70-120			
1,2-Dichloroethane	52.6	1	ug/L	50.0	BLOD	105	70-130			
1,2-Dichloropropane	54.0	0.5	ug/L	50.0	BLOD	108	75-125			
1,3,5-Trimethylbenzene	51.0	1	ug/L	50.0	BLOD	102	75-124			
1,3-Dichlorobenzene	51.8	1	ug/L	50.0	BLOD	104	75-125			
1,3-Dichloropropane	56.2	1	ug/L	50.0	BLOD	112	75-125			
1,4-Dichlorobenzene	49.5	1	ug/L	50.0	BLOD	99.0	75-125			
2,2-Dichloropropane	48.8	1	ug/L	50.0	BLOD	97.5	70-135			
2-Butanone (MEK)	58.7	10	ug/L	50.0	BLOD	117	30-150			
2-Chlorotoluene	51.7	1	ug/L	50.0	BLOD	103	75-125			
2-Hexanone (MBK)	57.9	5	ug/L	50.0	BLOD	116	55-130			
4-Chlorotoluene	51.7	1	ug/L	50.0	BLOD	103	75-130			
4-Isopropyltoluene	51.6	1	ug/L	50.0	BLOD	103	75-130			
4-Methyl-2-pentanone (MIBK)	65.0	5	ug/L	50.0	BLOD	130	60-135			
Acetone	53.2	10	ug/L	50.0	BLOD	106	40-140			
Benzene	54.0	1	ug/L	50.0	0.82	106	80-120			
Bromobenzene	55.4	1	ug/L	50.0	BLOD	111	75-125			

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Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0454 - SW5030B-MS										
Matrix Spike (BGL0454-MS1)	**Source: 23L0507-06**			Prepared & Analyzed: 12/12/2023						
Bromochloromethane	53.3	1	ug/L	50.0	BLOD	107	65-130			
Bromodichloromethane	54.8	0.5	ug/L	50.0	BLOD	110	75-136			
Bromoform	62.0	1	ug/L	50.0	BLOD	124	70-130			
Bromomethane	39.8	1	ug/L	50.0	BLOD	79.6	30-145			
Carbon disulfide	51.5	10	ug/L	50.0	BLOD	102	35-160			
Carbon tetrachloride	50.4	1	ug/L	50.0	BLOD	101	65-140			
Chlorobenzene	52.3	1	ug/L	50.0	0.44	104	80-120			
Chloroethane	48.4	1	ug/L	50.0	BLOD	96.9	60-135			
Chloroform	50.3	0.5	ug/L	50.0	BLOD	101	65-135			
Chloromethane	51.7	1	ug/L	50.0	BLOD	103	40-125			
cis-1,2-Dichloroethylene	53.6	1	ug/L	50.0	0.51	106	70-125			
cis-1,3-Dichloropropene	54.9	1	ug/L	50.0	BLOD	110	47-136			
Dibromochloromethane	58.4	0.5	ug/L	50.0	BLOD	117	60-135			
Dibromomethane	55.2	1	ug/L	50.0	BLOD	110	75-125			
Dichlorodifluoromethane	66.3	1	ug/L	50.0	BLOD	133	30-155			
Ethylbenzene	52.9	1	ug/L	50.0	1.04	104	75-125			
Hexachlorobutadiene	44.8	0.8	ug/L	50.0	BLOD	89.7	50-140			
Isopropylbenzene	50.1	1	ug/L	50.0	BLOD	100	75-125			
m+p-Xylenes	105	2	ug/L	100	3.92	101	75-130			
Methylene chloride	55.0	4	ug/L	50.0	BLOD	110	55-140			
Methyl-t-butyl ether (MTBE)	56.1	1	ug/L	50.0	BLOD	111	65-125			
Naphthalene	55.5	1	ug/L	50.0	BLOD	111	55-140			
n-Butylbenzene	49.2	1	ug/L	50.0	BLOD	98.3	70-135			
n-Propylbenzene	51.6	1	ug/L	50.0	BLOD	103	70-130			
o-Xylene	52.9	1	ug/L	50.0	1.14	103	80-120			

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Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0454 - SW5030B-MS										
Matrix Spike (BGL0454-MS1)	**Source: 23L0507-06**			Prepared & Analyzed: 12/12/2023						
sec-Butylbenzene	53.5	1	ug/L	50.0	BLOD	107	70-125			
Styrene	54.2	1	ug/L	50.0	BLOD	108	65-135			
tert-Butylbenzene	51.7	1	ug/L	50.0	BLOD	103	70-130			
Tetrachloroethylene (PCE)	47.4	1	ug/L	50.0	5.36	84.1	51-231			
Toluene	55.5	1	ug/L	50.0	5.16	101	75-120			
trans-1,2-Dichloroethylene	51.1	1	ug/L	50.0	BLOD	102	60-140			
trans-1,3-Dichloropropene	60.4	1	ug/L	50.0	BLOD	121	55-140			
Trichloroethylene	52.4	1	ug/L	50.0	0.48	104	70-125			
Trichlorofluoromethane	55.3	1	ug/L	50.0	BLOD	111	60-145			
Vinyl chloride	42.9	0.5	ug/L	50.0	BLOD	85.9	50-145			
Surr: 1,2-Dichloroethane-d4 (Surr)	*48.5*		ug/L	*50.0*		*97.1*	*70-120*			
Surr: 4-Bromofluorobenzene (Surr)	*51.5*		ug/L	*50.0*		*103*	*75-120*			
Surr: Dibromofluoromethane (Surr)	*48.9*		ug/L	*50.0*		*97.8*	*70-130*			
Surr: Toluene-d8 (Surr)	*50.4*		ug/L	*50.0*		*101*	*70-130*			
Matrix Spike Dup (BGL0454-MSD1)	**Source: 23L0507-06**			Prepared & Analyzed: 12/12/2023						
1,1,1,2-Tetrachloroethane	53.1	0.4	ug/L	50.0	BLOD	106	80-130	0.937	30	
1,1,1-Trichloroethane	50.2	1	ug/L	50.0	BLOD	100	65-130	0.760	30	
1,1,2,2-Tetrachloroethane	57.3	0.4	ug/L	50.0	BLOD	115	65-130	2.21	30	
1,1,2-Trichloroethane	56.6	1	ug/L	50.0	BLOD	113	75-125	3.32	30	
1,1-Dichloroethane	50.8	1	ug/L	50.0	BLOD	102	70-135	1.82	30	
1,1-Dichloroethylene	50.9	1	ug/L	50.0	BLOD	102	50-145	0.157	30	
1,1-Dichloropropene	51.0	1	ug/L	50.0	BLOD	102	75-135	0.391	30	
1,2,3-Trichlorobenzene	55.7	1	ug/L	50.0	BLOD	111	55-140	0.198	30	
1,2,3-Trichloropropane	54.3	1	ug/L	50.0	BLOD	109	75-125	2.02	30	

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0454 - SW5030B-MS										
Matrix Spike Dup (BGL0454-MSD1)	**Source: 23L0507-06**			Prepared & Analyzed: 12/12/2023						
1,2,4-Trichlorobenzene	50.4	1	ug/L	50.0	BLOD	101	65-135	1.88	30	
1,2,4-Trimethylbenzene	53.9	1	ug/L	50.0	0.76	106	75-130	1.57	30	
1,2-Dibromo-3-chloropropane (DBCP)	50.4	1	ug/L	50.0	BLOD	101	50-130	0.0992	30	
1,2-Dibromoethane (EDB)	54.7	1	ug/L	50.0	BLOD	109	80-120	2.90	30	
1,2-Dichlorobenzene	51.3	0.5	ug/L	50.0	BLOD	103	70-120	1.26	30	
1,2-Dichloroethane	50.6	1	ug/L	50.0	BLOD	101	70-130	3.87	30	
1,2-Dichloropropane	53.2	0.5	ug/L	50.0	BLOD	106	75-125	1.44	30	
1,3,5-Trimethylbenzene	52.0	1	ug/L	50.0	BLOD	104	75-124	2.06	30	
1,3-Dichlorobenzene	53.0	1	ug/L	50.0	BLOD	106	75-125	2.39	30	
1,3-Dichloropropane	54.9	1	ug/L	50.0	BLOD	110	75-125	2.38	30	
1,4-Dichlorobenzene	50.5	1	ug/L	50.0	BLOD	101	75-125	1.96	30	
2,2-Dichloropropane	48.6	1	ug/L	50.0	BLOD	97.2	70-135	0.308	30	
2-Butanone (MEK)	58.6	10	ug/L	50.0	BLOD	117	30-150	0.188	30	
2-Chlorotoluene	52.5	1	ug/L	50.0	BLOD	105	75-125	1.40	30	
2-Hexanone (MBK)	58.9	5	ug/L	50.0	BLOD	118	55-130	1.68	30	
4-Chlorotoluene	53.2	1	ug/L	50.0	BLOD	106	75-130	2.99	30	
4-Isopropyltoluene	53.5	1	ug/L	50.0	BLOD	107	75-130	3.60	30	
4-Methyl-2-pentanone (MIBK)	64.6	5	ug/L	50.0	BLOD	129	60-135	0.633	30	
Acetone	53.4	10	ug/L	50.0	BLOD	107	40-140	0.263	30	
Benzene	53.7	1	ug/L	50.0	0.82	106	80-120	0.576	30	
Bromobenzene	55.1	1	ug/L	50.0	BLOD	110	75-125	0.633	30	
Bromochloromethane	51.7	1	ug/L	50.0	BLOD	103	65-130	3.01	30	
Bromodichloromethane	54.4	0.5	ug/L	50.0	BLOD	109	75-136	0.843	30	
Bromoform	61.2	1	ug/L	50.0	BLOD	122	70-130	1.30	30	
Bromomethane	39.8	1	ug/L	50.0	BLOD	79.5	30-145	0.0754	30	

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0454 - SW5030B-MS										
Matrix Spike Dup (BGL0454-MSD1)	**Source: 23L0507-06**			Prepared & Analyzed: 12/12/2023						
Carbon disulfide	51.5	10	ug/L	50.0	BLOD	102	35-160	0.0389	30	
Carbon tetrachloride	50.9	1	ug/L	50.0	BLOD	102	65-140	0.987	30	
Chlorobenzene	52.3	1	ug/L	50.0	0.44	104	80-120	0.0382	30	
Chloroethane	48.0	1	ug/L	50.0	BLOD	95.9	60-135	1.04	30	
Chloroform	49.5	0.5	ug/L	50.0	BLOD	99.1	65-135	1.50	30	
Chloromethane	50.8	1	ug/L	50.0	BLOD	102	40-125	1.74	30	
cis-1,2-Dichloroethylene	52.7	1	ug/L	50.0	0.51	104	70-125	1.62	30	
cis-1,3-Dichloropropene	53.5	1	ug/L	50.0	BLOD	107	47-136	2.49	30	
Dibromochloromethane	57.1	0.5	ug/L	50.0	BLOD	114	60-135	2.16	30	
Dibromomethane	53.7	1	ug/L	50.0	BLOD	107	75-125	2.86	30	
Dichlorodifluoromethane	65.2	1	ug/L	50.0	BLOD	130	30-155	1.81	30	
Ethylbenzene	53.7	1	ug/L	50.0	1.04	105	75-125	1.59	30	
Hexachlorobutadiene	46.8	0.8	ug/L	50.0	BLOD	93.7	50-140	4.38	30	
Isopropylbenzene	50.7	1	ug/L	50.0	BLOD	101	75-125	1.19	30	
m+p-Xylenes	107	2	ug/L	100	3.92	103	75-130	1.68	30	
Methylene chloride	53.7	4	ug/L	50.0	BLOD	107	55-140	2.39	30	
Methyl-t-butyl ether (MTBE)	53.1	1	ug/L	50.0	BLOD	105	65-125	5.42	30	
Naphthalene	55.4	1	ug/L	50.0	BLOD	111	55-140	0.307	30	
n-Butylbenzene	50.3	1	ug/L	50.0	BLOD	101	70-135	2.35	30	
n-Propylbenzene	52.6	1	ug/L	50.0	BLOD	105	70-130	1.75	30	
o-Xylene	53.5	1	ug/L	50.0	1.14	105	80-120	1.17	30	
sec-Butylbenzene	54.9	1	ug/L	50.0	BLOD	110	70-125	2.45	30	
Styrene	53.7	1	ug/L	50.0	BLOD	107	65-135	0.946	30	
tert-Butylbenzene	52.9	1	ug/L	50.0	BLOD	106	70-130	2.33	30	
Tetrachloroethylene (PCE)	48.1	1	ug/L	50.0	5.36	85.4	51-231	1.34	30	

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0454 - SW5030B-MS										
Matrix Spike Dup (BGL0454-MSD1)	**Source: 23L0507-06**			Prepared & Analyzed: 12/12/2023						
Toluene	55.6	1	ug/L	50.0	5.16	101	75-120	0.234	30	
trans-1,2-Dichloroethylene	50.8	1	ug/L	50.0	BLOD	102	60-140	0.471	30	
trans-1,3-Dichloropropene	58.5	1	ug/L	50.0	BLOD	117	55-140	3.13	30	
Trichloroethylene	53.0	1	ug/L	50.0	0.48	105	70-125	1.21	30	
Trichlorofluoromethane	54.7	1	ug/L	50.0	BLOD	109	60-145	1.11	30	
Vinyl chloride	41.5	0.5	ug/L	50.0	BLOD	83.0	50-145	3.36	30	
Surr: 1,2-Dichloroethane-d4 (Surr)	*47.2*		ug/L	*50.0*		*94.5*	*70-120*			
Surr: 4-Bromofluorobenzene (Surr)	*51.2*		ug/L	*50.0*		*102*	*75-120*			
Surr: Dibromofluoromethane (Surr)	*47.9*		ug/L	*50.0*		*95.8*	*70-130*			
Surr: Toluene-d8 (Surr)	*50.3*		ug/L	*50.0*		*101*	*70-130*			
Batch BGL0539 - SW5035-MS										
Blank (BGL0539-BLK1)				Prepared & Analyzed: 12/13/2023						
1,1,1,2-Tetrachloroethane	ND	5.00	ug/kg							
1,1,1-Trichloroethane	ND	5.00	ug/kg							
1,1,2,2-Tetrachloroethane	ND	5.00	ug/kg							
1,1,2-Trichloroethane	ND	5.00	ug/kg							
1,1-Dichloroethane	ND	5.00	ug/kg							
1,1-Dichloroethylene	ND	5.00	ug/kg							
1,1-Dichloropropene	ND	5.00	ug/kg							
1,2,3-Trichlorobenzene	ND	5.00	ug/kg							
1,2,3-Trichloropropane	ND	5.00	ug/kg							
1,2,4-Trichlorobenzene	ND	5.00	ug/kg							
1,2,4-Trimethylbenzene	ND	5.00	ug/kg							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.00	ug/kg							

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0539 - SW5035-MS										
Blank (BGL0539-BLK1)				Prepared & Analyzed: 12/13/2023						
1,2-Dibromoethane (EDB)	ND	5.00	ug/kg							
1,2-Dichlorobenzene	ND	5.00	ug/kg							
1,2-Dichloroethane	ND	5.00	ug/kg							
1,2-Dichloropropane	ND	5.00	ug/kg							
1,3,5-Trimethylbenzene	ND	5.00	ug/kg							
1,3-Dichlorobenzene	ND	5.00	ug/kg							
1,3-Dichloropropane	ND	5.00	ug/kg							
1,4-Dichlorobenzene	ND	5.00	ug/kg							
2,2-Dichloropropane	ND	5.00	ug/kg							
2-Butanone (MEK)	ND	5.00	ug/kg							
2-Chlorotoluene	ND	5.00	ug/kg							
2-Hexanone (MBK)	ND	5.00	ug/kg							
4-Chlorotoluene	ND	5.00	ug/kg							
4-Isopropyltoluene	ND	5.00	ug/kg							
4-Methyl-2-pentanone (MIBK)	ND	5.00	ug/kg							
Acetone	ND	10.0	ug/kg							
Benzene	ND	5.00	ug/kg							
Bromobenzene	ND	5.00	ug/kg							
Bromochloromethane	ND	5.00	ug/kg							
Bromodichloromethane	ND	5.00	ug/kg							
Bromoform	ND	5.00	ug/kg							
Bromomethane	ND	5.00	ug/kg							
Carbon disulfide	ND	5.00	ug/kg							
Carbon tetrachloride	ND	5.00	ug/kg							
Chlorobenzene	ND	5.00	ug/kg							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0539 - SW5035-MS										
Blank (BGL0539-BLK1)				Prepared & Analyzed: 12/13/2023						
Chloroethane	ND	5.00	ug/kg							
Chloroform	ND	5.00	ug/kg							
Chloromethane	ND	5.00	ug/kg							
cis-1,2-Dichloroethylene	ND	5.00	ug/kg							
cis-1,3-Dichloropropene	ND	5.00	ug/kg							
Dibromochloromethane	ND	5.00	ug/kg							
Dibromomethane	ND	5.00	ug/kg							
Dichlorodifluoromethane	ND	5.00	ug/kg							
Di-isopropyl ether (DIPE)	ND	5.00	ug/kg							
Ethylbenzene	ND	5.00	ug/kg							
Hexachlorobutadiene	ND	5.00	ug/kg							
Iodomethane	ND	10.0	ug/kg							
Isopropylbenzene	ND	5.00	ug/kg							
m+p-Xylenes	ND	5.00	ug/kg							
Methylene chloride	ND	5.00	ug/kg							
Methyl-t-butyl ether (MTBE)	ND	5.00	ug/kg							
Naphthalene	ND	5.00	ug/kg							
n-Butylbenzene	ND	5.00	ug/kg							
n-Propylbenzene	ND	5.00	ug/kg							
o-Xylene	ND	5.00	ug/kg							
sec-Butylbenzene	ND	5.00	ug/kg							
Styrene	ND	5.00	ug/kg							
tert-Butylbenzene	ND	5.00	ug/kg							
Tetrachloroethylene (PCE)	ND	5.00	ug/kg							
Toluene	ND	5.00	ug/kg							

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0539 - SW5035-MS										
Blank (BGL0539-BLK1)				Prepared & Analyzed: 12/13/2023						
trans-1,2-Dichloroethylene	ND	5.00	ug/kg							
trans-1,3-Dichloropropene	ND	5.00	ug/kg							
Trichloroethylene	ND	5.00	ug/kg							
Trichlorofluoromethane	ND	5.00	ug/kg							
Vinyl acetate	ND	10.0	ug/kg							
Vinyl chloride	ND	5.00	ug/kg							
Xylenes, Total	ND	15.0	ug/kg							
Surr: 1,2-Dichloroethane-d4 (Surr)	*58.1*		ug/kg	*50.0*		*116*	*80-120*			
Surr: 4-Bromofluorobenzene (Surr)	*47.8*		ug/kg	*50.0*		*95.6*	*85-120*			
Surr: Dibromofluoromethane (Surr)	*55.5*		ug/kg	*50.0*		*111*	*80-130*			
Surr: Toluene-d8 (Surr)	*50.6*		ug/kg	*50.0*		*101*	*85-115*			
LCS (BGL0539-BS1)				Prepared & Analyzed: 12/13/2023						
1,1,1,2-Tetrachloroethane	46.1	5	ug/kg	50.0		92.2	85-132			
1,1,1-Trichloroethane	47.6	5	ug/kg	50.0		95.2	70-135			
1,1,2,2-Tetrachloroethane	46.3	5	ug/kg	50.0		92.7	55-130			
1,1,2-Trichloroethane	49.5	5	ug/kg	50.0		99.0	60-125			
1,1-Dichloroethane	40.8	5	ug/kg	50.0		81.5	70-136			
1,1-Dichloroethylene	39.8	5	ug/kg	50.0		79.6	65-135			
1,1-Dichloropropene	44.7	5	ug/kg	50.0		89.4	70-135			
1,2,3-Trichlorobenzene	47.0	5	ug/kg	50.0		94.0	60-135			
1,2,3-Trichloropropane	45.5	5	ug/kg	50.0		91.0	65-130			
1,2,4-Trichlorobenzene	47.6	5	ug/kg	50.0		95.3	65-130			
1,2,4-Trimethylbenzene	47.8	5	ug/kg	50.0		95.7	65-135			
1,2-Dibromo-3-chloropropane (DBCP)	45.6	5	ug/kg	50.0		91.3	40-135			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0539 - SW5035-MS										
LCS (BGL0539-BS1)				Prepared & Analyzed: 12/13/2023						
1,2-Dibromoethane (EDB)	50.2	5	ug/kg	50.0		100	70-125			
1,2-Dichlorobenzene	49.4	5	ug/kg	50.0		98.8	75-120			
1,2-Dichloroethane	45.0	5	ug/kg	50.0		90.1	70-135			
1,2-Dichloropropane	41.8	5	ug/kg	50.0		83.6	70-120			
1,3,5-Trimethylbenzene	46.1	5	ug/kg	50.0		92.2	65-135			
1,3-Dichlorobenzene	46.6	5	ug/kg	50.0		93.1	70-125			
1,3-Dichloropropane	47.8	5	ug/kg	50.0		95.6	75-125			
1,4-Dichlorobenzene	48.6	5	ug/kg	50.0		97.2	70-125			
2,2-Dichloropropane	40.2	5	ug/kg	50.0		80.4	65-135			
2-Butanone (MEK)	38.3	5	ug/kg	50.0		76.6	30-160			
2-Chlorotoluene	44.0	5	ug/kg	50.0		88.0	70-130			
2-Hexanone (MBK)	33.9	5	ug/kg	50.0		67.8	45-145			
4-Chlorotoluene	46.2	5	ug/kg	50.0		92.4	75-125			
4-Isopropyltoluene	49.0	5	ug/kg	50.0		98.0	75-135			
4-Methyl-2-pentanone (MIBK)	34.9	5	ug/kg	50.0		69.8	45-145			
Acetone	25.9	10	ug/kg	50.0		51.8	20-160			
Benzene	42.7	5	ug/kg	50.0		85.5	75-125			
Bromobenzene	47.3	5	ug/kg	50.0		94.7	65-120			
Bromochloromethane	52.7	5	ug/kg	50.0		105	70-125			
Bromodichloromethane	47.2	5	ug/kg	50.0		94.3	70-130			
Bromoform	49.0	5	ug/kg	50.0		98.0	55-135			
Bromomethane	14.7	5	ug/kg	50.0		29.4	30-160			*L*
Carbon disulfide	29.2	5	ug/kg	50.0		58.5	45-160			
Carbon tetrachloride	44.8	5	ug/kg	50.0		89.5	65-135			
Chlorobenzene	46.3	5	ug/kg	50.0		92.6	75-125			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0539 - SW5035-MS										
LCS (BGL0539-BS1)				Prepared & Analyzed: 12/13/2023						
Chloroethane	32.9	5	ug/kg	50.0		65.8	40-155			
Chloroform	44.3	5	ug/kg	50.0		88.6	70-125			
Chloromethane	35.2	5	ug/kg	50.0		70.4	50-130			
cis-1,2-Dichloroethylene	47.2	5	ug/kg	50.0		94.3	65-125			
cis-1,3-Dichloropropene	44.5	5	ug/kg	50.0		89.0	70-125			
Dibromochloromethane	52.5	5	ug/kg	50.0		105	65-130			
Dibromomethane	48.8	5	ug/kg	50.0		97.5	75-130			
Dichlorodifluoromethane	15.0	5	ug/kg	50.0		29.9	35-135			*L*
Ethylbenzene	43.1	5	ug/kg	50.0		86.2	75-125			
Hexachlorobutadiene	43.6	5	ug/kg	50.0		87.2	55-140			
Isopropylbenzene	41.9	5	ug/kg	50.0		83.8	75-130			
m+p-Xylenes	83.9	5	ug/kg	100		83.9	80-125			
Methylene chloride	42.0	5	ug/kg	50.0		83.9	55-140			
Methyl-t-butyl ether (MTBE)	52.6	5	ug/kg	50.0		105	65-125			
Naphthalene	51.2	5	ug/kg	50.0		102	40-125			
n-Butylbenzene	45.4	5	ug/kg	50.0		90.8	65-140			
n-Propylbenzene	43.4	5	ug/kg	50.0		86.9	65-135			
o-Xylene	46.1	5	ug/kg	50.0		92.1	75-125			
sec-Butylbenzene	38.9	5	ug/kg	50.0		77.7	65-130			
Styrene	43.2	5	ug/kg	50.0		86.3	75-125			
tert-Butylbenzene	46.4	5	ug/kg	50.0		92.8	65-130			
Tetrachloroethylene (PCE)	34.5	5	ug/kg	50.0		69.0	48.1-219			
Toluene	45.1	5	ug/kg	50.0		90.2	70-125			
trans-1,2-Dichloroethylene	43.2	5	ug/kg	50.0		86.4	65-135			
trans-1,3-Dichloropropene	47.8	5	ug/kg	50.0		95.6	65-125			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0539 - SW5035-MS										
LCS (BGL0539-BS1)				Prepared & Analyzed: 12/13/2023						
Trichloroethylene	44.2	5	ug/kg	50.0		88.5	75-125			
Trichlorofluoromethane	30.4	5	ug/kg	50.0		60.8	25-185			
Vinyl chloride	20.1	5	ug/kg	50.0		40.2	60-125			*L*
Surr: 1,2-Dichloroethane-d4 (Surr)	*57.6*		ug/kg	*50.0*		*115*	*80-120*			
Surr: 4-Bromofluorobenzene (Surr)	*50.0*		ug/kg	*50.0*		*100*	*85-120*			
Surr: Dibromofluoromethane (Surr)	*56.2*		ug/kg	*50.0*		*112*	*80-130*			
Surr: Toluene-d8 (Surr)	*51.1*		ug/kg	*50.0*		*102*	*85-115*			
Matrix Spike (BGL0539-MS1)	**Source: 23L0506-06**			Prepared & Analyzed: 12/13/2023						
1,1,1,2-Tetrachloroethane	47.8	5	ug/kg	50.0	BLOD	95.7	52-140			
1,1,1-Trichloroethane	47.1	5	ug/kg	50.0	BLOD	94.3	70-135			
1,1,2,2-Tetrachloroethane	52.5	5	ug/kg	50.0	BLOD	105	55-130			
1,1,2-Trichloroethane	50.8	5	ug/kg	50.0	BLOD	102	60-125			
1,1-Dichloroethane	40.3	5	ug/kg	50.0	BLOD	80.7	60-134			
1,1-Dichloroethylene	40.1	5	ug/kg	50.0	BLOD	80.2	65-135			
1,1-Dichloropropene	43.8	5	ug/kg	50.0	BLOD	87.7	70-135			
1,2,3-Trichlorobenzene	34.0	5	ug/kg	50.0	BLOD	67.9	60-135			
1,2,3-Trichloropropane	53.6	5	ug/kg	50.0	BLOD	107	65-130			
1,2,4-Trichlorobenzene	36.1	5	ug/kg	50.0	BLOD	72.2	65-130			
1,2,4-Trimethylbenzene	57.3	5	ug/kg	50.0	BLOD	115	65-135			
1,2-Dibromo-3-chloropropane (DBCP)	0.39	5	ug/kg	50.0	BLOD	0.780	40-135			
1,2-Dibromoethane (EDB)	56.4	5	ug/kg	50.0	BLOD	113	70-125			
1,2-Dichlorobenzene	53.2	5	ug/kg	50.0	BLOD	106	75-120			
1,2-Dichloroethane	46.3	5	ug/kg	50.0	BLOD	92.6	70-135			
1,2-Dichloropropane	41.0	5	ug/kg	50.0	BLOD	81.9	70-120			

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Submitted To: Tom Raymond

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0539 - SW5035-MS										
Matrix Spike (BGL0539-MS1)	**Source: 23L0506-06**			Prepared & Analyzed: 12/13/2023						
1,3,5-Trimethylbenzene	55.2	5	ug/kg	50.0	BLOD	110	65-135			
1,3-Dichlorobenzene	50.0	5	ug/kg	50.0	BLOD	100	70-125			
1,3-Dichloropropane	49.3	5	ug/kg	50.0	BLOD	98.5	75-125			
1,4-Dichlorobenzene	52.2	5	ug/kg	50.0	BLOD	104	70-125			
2,2-Dichloropropane	40.1	5	ug/kg	50.0	BLOD	80.2	65-135			
2-Butanone (MEK)	65.3	5	ug/kg	50.0	BLOD	131	30-160			
2-Chlorotoluene	56.0	5	ug/kg	50.0	BLOD	112	70-130			
2-Hexanone (MBK)	49.5	5	ug/kg	50.0	BLOD	99.0	45-145			
4-Chlorotoluene	56.0	5	ug/kg	50.0	BLOD	112	75-125			
4-Isopropyltoluene	53.4	5	ug/kg	50.0	BLOD	107	75-135			
4-Methyl-2-pentanone (MIBK)	46.4	5	ug/kg	50.0	BLOD	92.9	45-145			
Acetone	68.3	10	ug/kg	50.0	BLOD	137	20-160			
Benzene	42.5	5	ug/kg	50.0	BLOD	84.1	75-125			
Bromobenzene	43.3	5	ug/kg	50.0	BLOD	86.6	65-120			
Bromochloromethane	54.4	5	ug/kg	50.0	BLOD	109	70-125			
Bromodichloromethane	45.8	5	ug/kg	50.0	BLOD	91.6	70-130			
Bromoform	52.8	5	ug/kg	50.0	BLOD	106	55-135			
Bromomethane	14.6	5	ug/kg	50.0	BLOD	29.3	30-160			*M*
Carbon disulfide	30.0	5	ug/kg	50.0	BLOD	60.0	45-160			
Carbon tetrachloride	43.1	5	ug/kg	50.0	BLOD	86.2	65-135			
Chlorobenzene	44.9	5	ug/kg	50.0	BLOD	89.9	75-125			
Chloroethane	32.7	5	ug/kg	50.0	BLOD	65.4	40-155			
Chloroform	43.4	5	ug/kg	50.0	BLOD	86.8	70-125			
Chloromethane	32.7	5	ug/kg	50.0	BLOD	65.3	50-130			
cis-1,2-Dichloroethylene	47.3	5	ug/kg	50.0	BLOD	94.6	65-125			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0539 - SW5035-MS										
Matrix Spike (BGL0539-MS1)	**Source: 23L0506-06**			Prepared & Analyzed: 12/13/2023						
cis-1,3-Dichloropropene	44.4	5	ug/kg	50.0	BLOD	88.9	70-125			
Dibromochloromethane	53.2	5	ug/kg	50.0	BLOD	106	65-130			
Dibromomethane	50.0	5	ug/kg	50.0	BLOD	100	75-130			
Dichlorodifluoromethane	13.4	5	ug/kg	50.0	BLOD	26.8	35-135			*M*
Ethylbenzene	42.2	5	ug/kg	50.0	BLOD	84.3	75-125			
Hexachlorobutadiene	31.8	5	ug/kg	50.0	BLOD	63.5	55-140			
Isopropylbenzene	38.8	5	ug/kg	50.0	BLOD	77.5	75-130			
m+p-Xylenes	81.5	5	ug/kg	100	BLOD	81.5	80-125			
Methylene chloride	42.9	5	ug/kg	50.0	BLOD	84.5	55-140			
Methyl-t-butyl ether (MTBE)	58.2	5	ug/kg	50.0	BLOD	116	65-125			
Naphthalene	38.2	5	ug/kg	50.0	BLOD	76.5	40-125			
n-Butylbenzene	44.2	5	ug/kg	50.0	BLOD	88.4	65-140			
n-Propylbenzene	53.7	5	ug/kg	50.0	BLOD	107	65-135			
o-Xylene	45.0	5	ug/kg	50.0	BLOD	90.1	75-125			
sec-Butylbenzene	36.8	5	ug/kg	50.0	BLOD	73.5	65-130			
Styrene	40.4	5	ug/kg	50.0	BLOD	80.9	75-125			
tert-Butylbenzene	57.3	5	ug/kg	50.0	BLOD	115	65-130			
Tetrachloroethylene (PCE)	54.6	5	ug/kg	50.0	BLOD	102	48.1-219			
Toluene	42.9	5	ug/kg	50.0	BLOD	85.8	70-125			
trans-1,2-Dichloroethylene	43.4	5	ug/kg	50.0	BLOD	86.8	65-135			
trans-1,3-Dichloropropene	48.0	5	ug/kg	50.0	BLOD	96.1	65-125			
Trichloroethylene	42.3	5	ug/kg	50.0	BLOD	84.5	75-125			
Trichlorofluoromethane	36.9	5	ug/kg	50.0	BLOD	73.9	25-185			
Vinyl chloride	15.2	5	ug/kg	50.0	BLOD	30.4	60-125			*M*
Surr: 1,2-Dichloroethane-d4 (Surr)	*59.1*		ug/kg	*50.0*		*118*	*80-120*			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0539 - SW5035-MS										
Matrix Spike (BGL0539-MS1)	**Source: 23L0506-06**			Prepared & Analyzed: 12/13/2023						
Surr: 4-Bromofluorobenzene (Surr)	*44.3*		ug/kg	*50.0*		*88.6*	*85-120*			
Surr: Dibromofluoromethane (Surr)	*58.0*		ug/kg	*50.0*		*116*	*80-130*			
Surr: Toluene-d8 (Surr)	*49.6*		ug/kg	*50.0*		*99.2*	*85-115*			
Matrix Spike Dup (BGL0539-MSD1)	**Source: 23L0506-06**			Prepared & Analyzed: 12/13/2023						
1,1,1,2-Tetrachloroethane	43.5	5	ug/kg	50.0	BLOD	86.9	52-140	9.59	30	
1,1,1-Trichloroethane	45.2	5	ug/kg	50.0	BLOD	90.4	70-135	4.20	30	
1,1,2,2-Tetrachloroethane	54.9	5	ug/kg	50.0	BLOD	110	55-130	4.47	30	
1,1,2-Trichloroethane	52.0	5	ug/kg	50.0	BLOD	104	60-125	2.33	30	
1,1-Dichloroethane	38.7	5	ug/kg	50.0	BLOD	77.4	60-134	4.10	30	
1,1-Dichloroethylene	39.1	5	ug/kg	50.0	BLOD	78.2	65-135	2.55	30	
1,1-Dichloropropene	42.3	5	ug/kg	50.0	BLOD	84.6	70-135	3.55	30	
1,2,3-Trichlorobenzene	39.3	5	ug/kg	50.0	BLOD	78.6	60-135	14.5	30	
1,2,3-Trichloropropane	56.7	5	ug/kg	50.0	BLOD	113	65-130	5.47	30	
1,2,4-Trichlorobenzene	38.0	5	ug/kg	50.0	BLOD	76.0	65-130	5.16	30	
1,2,4-Trimethylbenzene	42.1	5	ug/kg	50.0	BLOD	84.2	65-135	30.6	30	*P*
1,2-Dibromo-3-chloropropane (DBCP)	65.6	5	ug/kg	50.0	BLOD	131	40-135		30	
1,2-Dibromoethane (EDB)	54.5	5	ug/kg	50.0	BLOD	109	70-125	3.35	30	
1,2-Dichlorobenzene	44.5	5	ug/kg	50.0	BLOD	89.0	75-120	17.8	30	
1,2-Dichloroethane	44.6	5	ug/kg	50.0	BLOD	89.2	70-135	3.70	30	
1,2-Dichloropropane	41.3	5	ug/kg	50.0	BLOD	82.7	70-120	0.899	30	
1,3,5-Trimethylbenzene	40.1	5	ug/kg	50.0	BLOD	80.3	65-135	31.6	30	*P*
1,3-Dichlorobenzene	40.2	5	ug/kg	50.0	BLOD	80.4	70-125	21.7	30	
1,3-Dichloropropane	50.0	5	ug/kg	50.0	BLOD	100	75-125	1.51	30	
1,4-Dichlorobenzene	42.3	5	ug/kg	50.0	BLOD	84.5	70-125	21.1	30	

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0539 - SW5035-MS										
Matrix Spike Dup (BGL0539-MSD1)	**Source: 23L0506-06**			Prepared & Analyzed: 12/13/2023						
2,2-Dichloropropane	38.0	5	ug/kg	50.0	BLOD	76.0	65-135	5.48	30	
2-Butanone (MEK)	66.4	5	ug/kg	50.0	BLOD	133	30-160	1.55	30	
2-Chlorotoluene	39.3	5	ug/kg	50.0	BLOD	78.6	70-130	34.9	30	*P*
2-Hexanone (MBK)	52.9	5	ug/kg	50.0	BLOD	106	45-145	6.68	30	
4-Chlorotoluene	40.5	5	ug/kg	50.0	BLOD	81.0	75-125	32.3	30	*P*
4-Isopropyltoluene	40.6	5	ug/kg	50.0	BLOD	81.1	75-135	27.3	30	
4-Methyl-2-pentanone (MIBK)	51.8	5	ug/kg	50.0	BLOD	104	45-145	10.9	30	
Acetone	77.3	10	ug/kg	50.0	BLOD	155	20-160	12.4	30	
Benzene	41.6	5	ug/kg	50.0	BLOD	82.4	75-125	1.97	30	
Bromobenzene	43.4	5	ug/kg	50.0	BLOD	86.7	65-120	0.0923	30	
Bromochloromethane	50.7	5	ug/kg	50.0	BLOD	101	70-125	7.07	30	
Bromodichloromethane	45.9	5	ug/kg	50.0	BLOD	91.8	70-130	0.218	30	
Bromoform	53.0	5	ug/kg	50.0	BLOD	106	55-135	0.472	30	
Bromomethane	14.1	5	ug/kg	50.0	BLOD	28.2	30-160	3.62	30	*M*
Carbon disulfide	28.2	5	ug/kg	50.0	BLOD	56.3	45-160	6.43	30	
Carbon tetrachloride	41.8	5	ug/kg	50.0	BLOD	83.6	65-135	3.11	30	
Chlorobenzene	42.6	5	ug/kg	50.0	BLOD	85.2	75-125	5.35	30	
Chloroethane	32.8	5	ug/kg	50.0	BLOD	65.7	40-155	0.397	30	
Chloroform	42.2	5	ug/kg	50.0	BLOD	84.5	70-125	2.73	30	
Chloromethane	30.7	5	ug/kg	50.0	BLOD	61.3	50-130	6.35	30	
cis-1,2-Dichloroethylene	44.5	5	ug/kg	50.0	BLOD	89.0	65-125	6.14	30	
cis-1,3-Dichloropropene	43.2	5	ug/kg	50.0	BLOD	86.4	70-125	2.85	30	
Dibromochloromethane	52.5	5	ug/kg	50.0	BLOD	105	65-130	1.30	30	
Dibromomethane	52.1	5	ug/kg	50.0	BLOD	104	75-130	4.05	30	
Dichlorodifluoromethane	14.5	5	ug/kg	50.0	BLOD	28.9	35-135	7.68	30	*M*

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0539 - SW5035-MS										
Matrix Spike Dup (BGL0539-MSD1)	**Source: 23L0506-06**			Prepared & Analyzed: 12/13/2023						
Ethylbenzene	39.7	5	ug/kg	50.0	BLOD	79.4	75-125	6.06	30	
Hexachlorobutadiene	29.2	5	ug/kg	50.0	BLOD	58.3	55-140	8.53	30	
Isopropylbenzene	37.0	5	ug/kg	50.0	BLOD	74.0	75-130	4.67	30	*M*
m+p-Xylenes	76.4	5	ug/kg	100	BLOD	76.4	80-125	6.42	30	*M*
Methylene chloride	40.7	5	ug/kg	50.0	BLOD	80.0	55-140	5.24	30	
Methyl-t-butyl ether (MTBE)	56.7	5	ug/kg	50.0	BLOD	113	65-125	2.53	30	
Naphthalene	55.3	5	ug/kg	50.0	BLOD	111	40-125	36.4	30	*P*
n-Butylbenzene	35.0	5	ug/kg	50.0	BLOD	70.0	65-140	23.2	30	
n-Propylbenzene	38.0	5	ug/kg	50.0	BLOD	76.1	65-135	34.1	30	*P*
o-Xylene	42.3	5	ug/kg	50.0	BLOD	84.5	75-125	6.32	30	
sec-Butylbenzene	29.3	5	ug/kg	50.0	BLOD	58.7	65-130	22.5	30	*M*
Styrene	39.2	5	ug/kg	50.0	BLOD	78.4	75-125	3.09	30	
tert-Butylbenzene	40.8	5	ug/kg	50.0	BLOD	81.6	65-130	33.7	30	*P*
Tetrachloroethylene (PCE)	31.9	5	ug/kg	50.0	BLOD	56.0	48.1-219	52.4	30	*P*
Toluene	42.4	5	ug/kg	50.0	BLOD	84.8	70-125	1.24	30	
trans-1,2-Dichloroethylene	41.7	5	ug/kg	50.0	BLOD	83.4	65-135	4.02	30	
trans-1,3-Dichloropropene	48.3	5	ug/kg	50.0	BLOD	96.6	65-125	0.560	30	
Trichloroethylene	41.4	5	ug/kg	50.0	BLOD	82.9	75-125	2.01	30	
Trichlorofluoromethane	28.8	5	ug/kg	50.0	BLOD	57.6	25-185	24.8	30	
Vinyl chloride	13.7	5	ug/kg	50.0	BLOD	27.5	60-125	10.1	30	*M*
Surr: 1,2-Dichloroethane-d4 (Surr)	*56.6*		ug/kg	*50.0*		*113*	*80-120*			
Surr: 4-Bromofluorobenzene (Surr)	*50.4*		ug/kg	*50.0*		*101*	*85-120*			
Surr: Dibromofluoromethane (Surr)	*56.0*		ug/kg	*50.0*		*112*	*80-130*			
Surr: Toluene-d8 (Surr)	*50.9*		ug/kg	*50.0*		*102*	*85-115*			

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Volatile Organic Compounds by GCMS - Quality Control

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0600 - SW5030B-MS										
Blank (BGL0600-BLK1)				Prepared & Analyzed: 12/14/2023						
1,1,1,2-Tetrachloroethane	ND	0.40	ug/L							
1,1,1-Trichloroethane	ND	1.00	ug/L							
1,1,2,2-Tetrachloroethane	ND	0.40	ug/L							
1,1,2-Trichloroethane	ND	1.00	ug/L							
1,1-Dichloroethane	ND	1.00	ug/L							
1,1-Dichloroethylene	ND	1.00	ug/L							
1,1-Dichloropropene	ND	1.00	ug/L							
1,2,3-Trichlorobenzene	ND	1.00	ug/L							
1,2,3-Trichloropropane	ND	1.00	ug/L							
1,2,4-Trichlorobenzene	ND	1.00	ug/L							
1,2,4-Trimethylbenzene	ND	1.00	ug/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.00	ug/L							
1,2-Dibromoethane (EDB)	ND	1.00	ug/L							
1,2-Dichlorobenzene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	1.00	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
1,3,5-Trimethylbenzene	ND	1.00	ug/L							
1,3-Dichlorobenzene	ND	1.00	ug/L							
1,3-Dichloropropane	ND	1.00	ug/L							
1,4-Dichlorobenzene	ND	1.00	ug/L							
2,2-Dichloropropane	ND	1.00	ug/L							
2-Butanone (MEK)	ND	10.0	ug/L							
2-Chlorotoluene	ND	1.00	ug/L							
2-Hexanone (MBK)	ND	5.00	ug/L							
4-Chlorotoluene	ND	1.00	ug/L							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0600 - SW5030B-MS										
Blank (BGL0600-BLK1)				Prepared & Analyzed: 12/14/2023						
4-Isopropyltoluene	ND	1.00	ug/L							
4-Methyl-2-pentanone (MIBK)	ND	5.00	ug/L							
Acetone	ND	10.0	ug/L							
Benzene	ND	1.00	ug/L							
Bromobenzene	ND	1.00	ug/L							
Bromochloromethane	ND	1.00	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	1.00	ug/L							
Bromomethane	ND	1.00	ug/L							
Carbon disulfide	ND	10.0	ug/L							
Carbon tetrachloride	ND	1.00	ug/L							
Chlorobenzene	ND	1.00	ug/L							
Chloroethane	ND	1.00	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.00	ug/L							
cis-1,2-Dichloroethylene	ND	1.00	ug/L							
cis-1,3-Dichloropropene	ND	1.00	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dibromomethane	ND	1.00	ug/L							
Dichlorodifluoromethane	ND	1.00	ug/L							
Di-isopropyl ether (DIPE)	ND	5.00	ug/L							
Ethylbenzene	ND	1.00	ug/L							
Hexachlorobutadiene	ND	0.80	ug/L							
Iodomethane	ND	10.0	ug/L							
Isopropylbenzene	ND	1.00	ug/L							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0600 - SW5030B-MS										
Blank (BGL0600-BLK1)				Prepared & Analyzed: 12/14/2023						
m+p-Xylenes	ND	2.00	ug/L							
Methylene chloride	ND	4.00	ug/L							
Methyl-t-butyl ether (MTBE)	ND	1.00	ug/L							
Naphthalene	ND	1.00	ug/L							
n-Butylbenzene	ND	1.00	ug/L							
n-Propylbenzene	ND	1.00	ug/L							
o-Xylene	ND	1.00	ug/L							
sec-Butylbenzene	ND	1.00	ug/L							
Styrene	ND	1.00	ug/L							
tert-Butylbenzene	ND	1.00	ug/L							
Tetrachloroethylene (PCE)	ND	1.00	ug/L							
Toluene	ND	1.00	ug/L							
trans-1,2-Dichloroethylene	ND	1.00	ug/L							
trans-1,3-Dichloropropene	ND	1.00	ug/L							
Trichloroethylene	ND	1.00	ug/L							
Trichlorofluoromethane	ND	1.00	ug/L							
Vinyl acetate	ND	10.0	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Xylenes, Total	ND	3.00	ug/L							
Surr: 1,2-Dichloroethane-d4 (Surr)	*48.6*		ug/L	*50.0*		*97.2*	*70-120*			
Surr: 4-Bromofluorobenzene (Surr)	*53.2*		ug/L	*50.0*		*106*	*75-120*			
Surr: Dibromofluoromethane (Surr)	*48.3*		ug/L	*50.0*		*96.6*	*70-130*			
Surr: Toluene-d8 (Surr)	*50.9*		ug/L	*50.0*		*102*	*70-130*			
LCS (BGL0600-BS1)				Prepared & Analyzed: 12/14/2023						

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Certificate of Analysis

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Client Site I.D.: Southside Park Landfill

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0600 - SW5030B-MS										
LCS (BGL0600-BS1)				Prepared & Analyzed: 12/14/2023						
1,1,1,2-Tetrachloroethane	52.1	0.4	ug/L	50.0		104	80-130			
1,1,1-Trichloroethane	50.6	1	ug/L	50.0		101	65-130			
1,1,2,2-Tetrachloroethane	52.2	0.4	ug/L	50.0		104	65-130			
1,1,2-Trichloroethane	54.7	1	ug/L	50.0		109	75-125			
1,1-Dichloroethane	52.0	1	ug/L	50.0		104	70-135			
1,1-Dichloroethylene	51.8	1	ug/L	50.0		104	70-130			
1,1-Dichloropropene	51.9	1	ug/L	50.0		104	75-135			
1,2,3-Trichlorobenzene	55.7	1	ug/L	50.0		111	55-140			
1,2,3-Trichloropropane	48.2	1	ug/L	50.0		96.4	75-125			
1,2,4-Trichlorobenzene	51.0	1	ug/L	50.0		102	65-135			
1,2,4-Trimethylbenzene	54.3	1	ug/L	50.0		109	75-130			
1,2-Dibromo-3-chloropropane (DBCP)	42.7	1	ug/L	50.0		85.5	50-130			
1,2-Dibromoethane (EDB)	51.1	1	ug/L	50.0		102	80-120			
1,2-Dichlorobenzene	50.0	0.5	ug/L	50.0		100	70-120			
1,2-Dichloroethane	49.3	1	ug/L	50.0		98.7	70-130			
1,2-Dichloropropane	53.2	0.5	ug/L	50.0		106	75-125			
1,3,5-Trimethylbenzene	53.1	1	ug/L	50.0		106	75-125			
1,3-Dichlorobenzene	52.2	1	ug/L	50.0		104	75-125			
1,3-Dichloropropane	52.9	1	ug/L	50.0		106	75-125			
1,4-Dichlorobenzene	50.4	1	ug/L	50.0		101	75-125			
2,2-Dichloropropane	50.7	1	ug/L	50.0		101	70-135			
2-Butanone (MEK)	46.7	10	ug/L	50.0		93.4	30-150			
2-Chlorotoluene	52.7	1	ug/L	50.0		105	75-125			
2-Hexanone (MBK)	45.1	5	ug/L	50.0		90.2	55-130			
4-Chlorotoluene	53.8	1	ug/L	50.0		108	75-130			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0600 - SW5030B-MS										
LCS (BGL0600-BS1)				Prepared & Analyzed: 12/14/2023						
4-Isopropyltoluene	53.4	1	ug/L	50.0		107	75-130			
4-Methyl-2-pentanone (MIBK)	50.6	5	ug/L	50.0		101	60-135			
Acetone	37.1	10	ug/L	50.0		74.2	40-140			
Benzene	53.8	1	ug/L	50.0		108	80-120			
Bromobenzene	53.2	1	ug/L	50.0		106	75-125			
Bromochloromethane	50.7	1	ug/L	50.0		101	65-130			
Bromodichloromethane	53.1	0.5	ug/L	50.0		106	75-120			
Bromoform	56.9	1	ug/L	50.0		114	70-130			
Bromomethane	38.1	1	ug/L	50.0		76.1	30-145			
Carbon disulfide	41.3	10	ug/L	50.0		82.5	35-160			
Carbon tetrachloride	50.8	1	ug/L	50.0		102	65-140			
Chlorobenzene	51.6	1	ug/L	50.0		103	80-120			
Chloroethane	47.2	1	ug/L	50.0		94.4	60-135			
Chloroform	49.8	0.5	ug/L	50.0		99.6	65-135			
Chloromethane	47.8	1	ug/L	50.0		95.6	40-125			
cis-1,2-Dichloroethylene	53.1	1	ug/L	50.0		106	70-125			
cis-1,3-Dichloropropene	53.4	1	ug/L	50.0		107	70-130			
Dibromochloromethane	55.6	0.5	ug/L	50.0		111	60-135			
Dibromomethane	51.1	1	ug/L	50.0		102	75-125			
Dichlorodifluoromethane	64.7	1	ug/L	50.0		129	30-155			
Ethylbenzene	53.4	1	ug/L	50.0		107	75-125			
Hexachlorobutadiene	44.9	0.8	ug/L	50.0		89.8	50-140			
Isopropylbenzene	50.2	1	ug/L	50.0		100	75-125			
m+p-Xylenes	105	2	ug/L	100		105	75-130			
Methylene chloride	52.9	4	ug/L	50.0		106	55-140			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0600 - SW5030B-MS										
LCS (BGL0600-BS1)				Prepared & Analyzed: 12/14/2023						
Methyl-t-butyl ether (MTBE)	51.8	1	ug/L	50.0		104	65-125			
Naphthalene	53.0	1	ug/L	50.0		106	55-140			
n-Butylbenzene	51.3	1	ug/L	50.0		103	70-135			
n-Propylbenzene	53.5	1	ug/L	50.0		107	70-130			
o-Xylene	53.1	1	ug/L	50.0		106	80-120			
sec-Butylbenzene	54.8	1	ug/L	50.0		110	70-125			
Styrene	54.0	1	ug/L	50.0		108	65-135			
tert-Butylbenzene	52.9	1	ug/L	50.0		106	70-130			
Tetrachloroethylene (PCE)	42.8	1	ug/L	50.0		85.5	45-150			
Toluene	53.7	1	ug/L	50.0		107	75-120			
trans-1,2-Dichloroethylene	51.4	1	ug/L	50.0		103	60-140			
trans-1,3-Dichloropropene	57.0	1	ug/L	50.0		114	55-140			
Trichloroethylene	52.3	1	ug/L	50.0		105	70-125			
Trichlorofluoromethane	50.4	1	ug/L	50.0		101	60-145			
Vinyl chloride	47.8	0.5	ug/L	50.0		95.6	50-145			
Surr: 1,2-Dichloroethane-d4 (Surr)	*47.5*		ug/L	*50.0*		*95.1*	*70-120*			
Surr: 4-Bromofluorobenzene (Surr)	*51.7*		ug/L	*50.0*		*103*	*75-120*			
Surr: Dibromofluoromethane (Surr)	*48.4*		ug/L	*50.0*		*96.9*	*70-130*			
Surr: Toluene-d8 (Surr)	*50.4*		ug/L	*50.0*		*101*	*70-130*			
Matrix Spike (BGL0600-MS1)	**Source: 23L0740-01**			Prepared & Analyzed: 12/14/2023						
1,1,1,2-Tetrachloroethane	51.0	0.4	ug/L	50.0	BLOD	102	80-130			
1,1,1-Trichloroethane	50.1	1	ug/L	50.0	BLOD	100	65-130			
1,1,2,2-Tetrachloroethane	52.9	0.4	ug/L	50.0	BLOD	106	65-130			
1,1,2-Trichloroethane	54.8	1	ug/L	50.0	BLOD	110	75-125			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0600 - SW5030B-MS										
Matrix Spike (BGL0600-MS1)	**Source: 23L0740-01**			Prepared & Analyzed: 12/14/2023						
1,1-Dichloroethane	50.6	1	ug/L	50.0	BLOD	101	70-135			
1,1-Dichloroethylene	50.6	1	ug/L	50.0	BLOD	101	50-145			
1,1-Dichloropropene	51.2	1	ug/L	50.0	BLOD	102	75-135			
1,2,3-Trichlorobenzene	53.8	1	ug/L	50.0	BLOD	108	55-140			
1,2,3-Trichloropropane	49.7	1	ug/L	50.0	BLOD	99.5	75-125			
1,2,4-Trichlorobenzene	50.3	1	ug/L	50.0	BLOD	101	65-135			
1,2,4-Trimethylbenzene	53.8	1	ug/L	50.0	BLOD	108	75-130			
1,2-Dibromo-3-chloropropane (DBCP)	44.2	1	ug/L	50.0	BLOD	88.4	50-130			
1,2-Dibromoethane (EDB)	51.4	1	ug/L	50.0	BLOD	103	80-120			
1,2-Dichlorobenzene	50.1	0.5	ug/L	50.0	BLOD	100	70-120			
1,2-Dichloroethane	49.1	1	ug/L	50.0	BLOD	98.2	70-130			
1,2-Dichloropropane	52.2	0.5	ug/L	50.0	BLOD	104	75-125			
1,3,5-Trimethylbenzene	52.0	1	ug/L	50.0	BLOD	104	75-124			
1,3-Dichlorobenzene	51.0	1	ug/L	50.0	BLOD	102	75-125			
1,3-Dichloropropane	52.5	1	ug/L	50.0	BLOD	105	75-125			
1,4-Dichlorobenzene	49.4	1	ug/L	50.0	BLOD	98.9	75-125			
2,2-Dichloropropane	49.8	1	ug/L	50.0	BLOD	99.6	70-135			
2-Butanone (MEK)	50.3	10	ug/L	50.0	BLOD	101	30-150			
2-Chlorotoluene	51.7	1	ug/L	50.0	BLOD	103	75-125			
2-Hexanone (MBK)	48.6	5	ug/L	50.0	BLOD	97.2	55-130			
4-Chlorotoluene	52.7	1	ug/L	50.0	BLOD	105	75-130			
4-Isopropyltoluene	53.3	1	ug/L	50.0	BLOD	107	75-130			
4-Methyl-2-pentanone (MIBK)	54.9	5	ug/L	50.0	BLOD	110	60-135			
Acetone	40.5	10	ug/L	50.0	37.1	6.84	40-140			*M*
Benzene	52.5	1	ug/L	50.0	BLOD	105	80-120			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0600 - SW5030B-MS										
Matrix Spike (BGL0600-MS1)	**Source: 23L0740-01**			Prepared & Analyzed: 12/14/2023						
Bromobenzene	52.9	1	ug/L	50.0	BLOD	106	75-125			
Bromochloromethane	50.0	1	ug/L	50.0	BLOD	99.9	65-130			
Bromodichloromethane	52.2	0.5	ug/L	50.0	BLOD	104	75-136			
Bromoform	56.6	1	ug/L	50.0	BLOD	113	70-130			
Bromomethane	38.2	1	ug/L	50.0	BLOD	76.4	30-145			
Carbon disulfide	43.9	10	ug/L	50.0	BLOD	86.8	35-160			
Carbon tetrachloride	50.2	1	ug/L	50.0	BLOD	100	65-140			
Chlorobenzene	50.6	1	ug/L	50.0	BLOD	101	80-120			
Chloroethane	46.0	1	ug/L	50.0	BLOD	92.0	60-135			
Chloroform	49.0	0.5	ug/L	50.0	BLOD	98.1	65-135			
Chloromethane	47.9	1	ug/L	50.0	BLOD	95.8	40-125			
cis-1,2-Dichloroethylene	51.8	1	ug/L	50.0	BLOD	104	70-125			
cis-1,3-Dichloropropene	52.3	1	ug/L	50.0	BLOD	105	47-136			
Dibromochloromethane	54.8	0.5	ug/L	50.0	BLOD	110	60-135			
Dibromomethane	50.6	1	ug/L	50.0	BLOD	101	75-125			
Dichlorodifluoromethane	62.2	1	ug/L	50.0	BLOD	124	30-155			
Ethylbenzene	52.3	1	ug/L	50.0	BLOD	105	75-125			
Hexachlorobutadiene	44.8	0.8	ug/L	50.0	BLOD	89.7	50-140			
Isopropylbenzene	49.6	1	ug/L	50.0	BLOD	99.2	75-125			
m+p-Xylenes	103	2	ug/L	100	BLOD	103	75-130			
Methylene chloride	52.1	4	ug/L	50.0	BLOD	104	55-140			
Methyl-t-butyl ether (MTBE)	51.2	1	ug/L	50.0	BLOD	102	65-125			
Naphthalene	52.9	1	ug/L	50.0	BLOD	106	55-140			
n-Butylbenzene	50.6	1	ug/L	50.0	BLOD	101	70-135			
n-Propylbenzene	52.5	1	ug/L	50.0	BLOD	105	70-130			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0600 - SW5030B-MS										
Matrix Spike (BGL0600-MS1)	**Source: 23L0740-01**			Prepared & Analyzed: 12/14/2023						
o-Xylene	51.9	1	ug/L	50.0	BLOD	104	80-120			
sec-Butylbenzene	54.3	1	ug/L	50.0	BLOD	109	70-125			
Styrene	53.0	1	ug/L	50.0	BLOD	106	65-135			
tert-Butylbenzene	51.7	1	ug/L	50.0	BLOD	103	70-130			
Tetrachloroethylene (PCE)	42.0	1	ug/L	50.0	BLOD	84.1	51-231			
Toluene	53.1	1	ug/L	50.0	BLOD	106	75-120			
trans-1,2-Dichloroethylene	50.6	1	ug/L	50.0	BLOD	101	60-140			
trans-1,3-Dichloropropene	56.9	1	ug/L	50.0	BLOD	114	55-140			
Trichloroethylene	51.3	1	ug/L	50.0	BLOD	103	70-125			
Trichlorofluoromethane	54.1	1	ug/L	50.0	BLOD	108	60-145			
Vinyl chloride	44.7	0.5	ug/L	50.0	BLOD	89.3	50-145			
Surr: 1,2-Dichloroethane-d4 (Surr)	*48.4*		ug/L	*50.0*		*96.8*	*70-120*			
Surr: 4-Bromofluorobenzene (Surr)	*51.6*		ug/L	*50.0*		*103*	*75-120*			
Surr: Dibromofluoromethane (Surr)	*49.0*		ug/L	*50.0*		*98.0*	*70-130*			
Surr: Toluene-d8 (Surr)	*50.6*		ug/L	*50.0*		*101*	*70-130*			
Matrix Spike Dup (BGL0600-MSD1)	**Source: 23L0740-01**			Prepared & Analyzed: 12/14/2023						
1,1,1,2-Tetrachloroethane	50.6	0.4	ug/L	50.0	BLOD	101	80-130	0.886	30	
1,1,1-Trichloroethane	49.4	1	ug/L	50.0	BLOD	98.8	65-130	1.47	30	
1,1,2,2-Tetrachloroethane	52.9	0.4	ug/L	50.0	BLOD	106	65-130	0.0756	30	
1,1,2-Trichloroethane	54.5	1	ug/L	50.0	BLOD	109	75-125	0.494	30	
1,1-Dichloroethane	49.7	1	ug/L	50.0	BLOD	99.4	70-135	1.73	30	
1,1-Dichloroethylene	49.6	1	ug/L	50.0	BLOD	99.3	50-145	2.01	30	
1,1-Dichloropropene	50.6	1	ug/L	50.0	BLOD	101	75-135	1.14	30	
1,2,3-Trichlorobenzene	53.9	1	ug/L	50.0	BLOD	108	55-140	0.242	30	

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0600 - SW5030B-MS										
Matrix Spike Dup (BGL0600-MSD1)	**Source: 23L0740-01**			Prepared & Analyzed: 12/14/2023						
1,2,3-Trichloropropane	49.6	1	ug/L	50.0	BLOD	99.2	75-125	0.262	30	
1,2,4-Trichlorobenzene	49.8	1	ug/L	50.0	BLOD	99.5	65-135	1.08	30	
1,2,4-Trimethylbenzene	52.7	1	ug/L	50.0	BLOD	105	75-130	2.18	30	
1,2-Dibromo-3-chloropropane (DBCP)	43.9	1	ug/L	50.0	BLOD	87.8	50-130	0.590	30	
1,2-Dibromoethane (EDB)	50.7	1	ug/L	50.0	BLOD	101	80-120	1.43	30	
1,2-Dichlorobenzene	48.9	0.5	ug/L	50.0	BLOD	97.7	70-120	2.53	30	
1,2-Dichloroethane	48.4	1	ug/L	50.0	BLOD	96.7	70-130	1.54	30	
1,2-Dichloropropane	52.0	0.5	ug/L	50.0	BLOD	104	75-125	0.480	30	
1,3,5-Trimethylbenzene	50.9	1	ug/L	50.0	BLOD	102	75-124	2.06	30	
1,3-Dichlorobenzene	50.9	1	ug/L	50.0	BLOD	102	75-125	0.275	30	
1,3-Dichloropropane	52.7	1	ug/L	50.0	BLOD	105	75-125	0.266	30	
1,4-Dichlorobenzene	49.2	1	ug/L	50.0	BLOD	98.4	75-125	0.507	30	
2,2-Dichloropropane	48.6	1	ug/L	50.0	BLOD	97.3	70-135	2.40	30	
2-Butanone (MEK)	49.1	10	ug/L	50.0	BLOD	98.2	30-150	2.45	30	
2-Chlorotoluene	50.7	1	ug/L	50.0	BLOD	101	75-125	1.95	30	
2-Hexanone (MBK)	49.3	5	ug/L	50.0	BLOD	98.6	55-130	1.43	30	
4-Chlorotoluene	51.6	1	ug/L	50.0	BLOD	103	75-130	2.13	30	
4-Isopropyltoluene	52.1	1	ug/L	50.0	BLOD	104	75-130	2.26	30	
4-Methyl-2-pentanone (MIBK)	55.7	5	ug/L	50.0	BLOD	111	60-135	1.41	30	
Acetone	39.7	10	ug/L	50.0	37.1	5.12	40-140	2.15	30	*M*
Benzene	52.5	1	ug/L	50.0	BLOD	105	80-120	0.0572	30	
Bromobenzene	53.0	1	ug/L	50.0	BLOD	106	75-125	0.113	30	
Bromochloromethane	49.4	1	ug/L	50.0	BLOD	98.7	65-130	1.21	30	
Bromodichloromethane	52.9	0.5	ug/L	50.0	BLOD	106	75-136	1.37	30	
Bromoform	56.5	1	ug/L	50.0	BLOD	113	70-130	0.159	30	

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0600 - SW5030B-MS										
Matrix Spike Dup (BGL0600-MSD1)	**Source: 23L0740-01**			Prepared & Analyzed: 12/14/2023						
Bromomethane	36.7	1	ug/L	50.0	BLOD	73.4	30-145	3.90	30	
Carbon disulfide	43.6	10	ug/L	50.0	BLOD	86.1	35-160	0.869	30	
Carbon tetrachloride	49.7	1	ug/L	50.0	BLOD	99.4	65-140	1.14	30	
Chlorobenzene	50.0	1	ug/L	50.0	BLOD	100	80-120	0.994	30	
Chloroethane	44.4	1	ug/L	50.0	BLOD	88.8	60-135	3.58	30	
Chloroform	48.2	0.5	ug/L	50.0	BLOD	96.4	65-135	1.73	30	
Chloromethane	44.3	1	ug/L	50.0	BLOD	88.5	40-125	7.90	30	
cis-1,2-Dichloroethylene	51.6	1	ug/L	50.0	BLOD	103	70-125	0.290	30	
cis-1,3-Dichloropropene	52.6	1	ug/L	50.0	BLOD	105	47-136	0.439	30	
Dibromochloromethane	54.8	0.5	ug/L	50.0	BLOD	110	60-135	0.0912	30	
Dibromomethane	51.1	1	ug/L	50.0	BLOD	102	75-125	0.944	30	
Dichlorodifluoromethane	59.0	1	ug/L	50.0	BLOD	118	30-155	5.28	30	
Ethylbenzene	51.9	1	ug/L	50.0	BLOD	104	75-125	0.825	30	
Hexachlorobutadiene	44.9	0.8	ug/L	50.0	BLOD	89.9	50-140	0.200	30	
Isopropylbenzene	49.3	1	ug/L	50.0	BLOD	98.5	75-125	0.648	30	
m+p-Xylenes	102	2	ug/L	100	BLOD	102	75-130	0.895	30	
Methylene chloride	50.8	4	ug/L	50.0	BLOD	102	55-140	2.49	30	
Methyl-t-butyl ether (MTBE)	50.3	1	ug/L	50.0	BLOD	101	65-125	1.70	30	
Naphthalene	52.6	1	ug/L	50.0	BLOD	105	55-140	0.588	30	
n-Butylbenzene	50.1	1	ug/L	50.0	BLOD	100	70-135	1.01	30	
n-Propylbenzene	51.4	1	ug/L	50.0	BLOD	103	70-130	2.12	30	
o-Xylene	51.2	1	ug/L	50.0	BLOD	102	80-120	1.40	30	
sec-Butylbenzene	53.5	1	ug/L	50.0	BLOD	107	70-125	1.50	30	
Styrene	52.7	1	ug/L	50.0	BLOD	105	65-135	0.605	30	
tert-Butylbenzene	51.4	1	ug/L	50.0	BLOD	103	70-130	0.602	30	

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0600 - SW5030B-MS										
Matrix Spike Dup (BGL0600-MSD1)	**Source: 23L0740-01**			Prepared & Analyzed: 12/14/2023						
Tetrachloroethylene (PCE)	41.1	1	ug/L	50.0	BLOD	82.2	51-231	2.33	30	
Toluene	53.1	1	ug/L	50.0	BLOD	106	75-120	0.0377	30	
trans-1,2-Dichloroethylene	49.6	1	ug/L	50.0	BLOD	99.2	60-140	1.94	30	
trans-1,3-Dichloropropene	56.8	1	ug/L	50.0	BLOD	114	55-140	0.141	30	
Trichloroethylene	51.2	1	ug/L	50.0	BLOD	102	70-125	0.195	30	
Trichlorofluoromethane	52.8	1	ug/L	50.0	BLOD	106	60-145	2.45	30	
Vinyl chloride	42.2	0.5	ug/L	50.0	BLOD	84.5	50-145	5.62	30	
Surr: 1,2-Dichloroethane-d4 (Surr)	*47.8*		ug/L	*50.0*		*95.7*	*70-120*			
Surr: 4-Bromofluorobenzene (Surr)	*51.7*		ug/L	*50.0*		*103*	*75-120*			
Surr: Dibromofluoromethane (Surr)	*48.3*		ug/L	*50.0*		*96.7*	*70-130*			
Surr: Toluene-d8 (Surr)	*50.8*		ug/L	*50.0*		*102*	*70-130*			
Batch BGL0601 - SW5030B-MS										
Blank (BGL0601-BLK1)				Prepared & Analyzed: 12/14/2023						
1,1,1,2-Tetrachloroethane	ND	0.40	ug/L							
1,1,1-Trichloroethane	ND	1.00	ug/L							
1,1,2,2-Tetrachloroethane	ND	0.40	ug/L							
1,1,2-Trichloroethane	ND	1.00	ug/L							
1,1-Dichloroethane	ND	1.00	ug/L							
1,1-Dichloroethylene	ND	1.00	ug/L							
1,1-Dichloropropene	ND	1.00	ug/L							
1,2,3-Trichlorobenzene	ND	1.00	ug/L							
1,2,3-Trichloropropane	ND	1.00	ug/L							
1,2,4-Trichlorobenzene	ND	1.00	ug/L							
1,2,4-Trimethylbenzene	ND	1.00	ug/L							

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0601 - SW5030B-MS										
Blank (BGL0601-BLK1)				Prepared & Analyzed: 12/14/2023						
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.00	ug/L							
1,2-Dibromoethane (EDB)	ND	1.00	ug/L							
1,2-Dichlorobenzene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	1.00	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
1,3,5-Trimethylbenzene	ND	1.00	ug/L							
1,3-Dichlorobenzene	ND	1.00	ug/L							
1,3-Dichloropropane	ND	1.00	ug/L							
1,4-Dichlorobenzene	ND	1.00	ug/L							
2,2-Dichloropropane	ND	1.00	ug/L							
2-Butanone (MEK)	ND	10.0	ug/L							
2-Chlorotoluene	ND	1.00	ug/L							
2-Hexanone (MBK)	ND	5.00	ug/L							
4-Chlorotoluene	ND	1.00	ug/L							
4-Isopropyltoluene	ND	1.00	ug/L							
4-Methyl-2-pentanone (MIBK)	ND	5.00	ug/L							
Acetone	ND	10.0	ug/L							
Acetonitrile	ND	10.0	ug/L							
Acrolein	ND	10.0	ug/L							
Acrylonitrile	ND	5.00	ug/L							
Allyl chloride	ND	1.00	ug/L							
Benzene	ND	1.00	ug/L							
Bromobenzene	ND	1.00	ug/L							
Bromochloromethane	ND	1.00	ug/L							
Bromodichloromethane	ND	0.50	ug/L							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0601 - SW5030B-MS										
Blank (BGL0601-BLK1)				Prepared & Analyzed: 12/14/2023						
Bromoform	ND	1.00	ug/L							
Bromomethane	ND	1.00	ug/L							
Carbon disulfide	ND	10.0	ug/L							
Carbon tetrachloride	ND	1.00	ug/L							
Chlorobenzene	ND	1.00	ug/L							
Chloroethane	ND	1.00	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.00	ug/L							
Chloroprene	ND	5.00	ug/L							
cis-1,2-Dichloroethylene	ND	1.00	ug/L							
cis-1,3-Dichloropropene	ND	1.00	ug/L							
Cyclohexane	ND	1.00	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dibromomethane	ND	1.00	ug/L							
Dichlorodifluoromethane	ND	1.00	ug/L							
Di-isopropyl ether (DIPE)	ND	5.00	ug/L							
Ethanol	ND	80.0	ug/L							
Ethyl methacrylate	ND	5.00	ug/L							
Ethylbenzene	ND	1.00	ug/L							
Ethyl-t-butyl ether (ETBE)	ND	25.0	ug/L							
Hexachlorobutadiene	ND	0.80	ug/L							
Iodomethane	ND	10.0	ug/L							
Isopropylbenzene	ND	1.00	ug/L							
m+p-Xylenes	ND	2.00	ug/L							
Methacrylonitrile	ND	1.50	ug/L							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0601 - SW5030B-MS										
Blank (BGL0601-BLK1)				Prepared & Analyzed: 12/14/2023						
Methyl acetate	ND	4.00	ug/L							
Methyl cyclohexane	ND	1.00	ug/L							
Methyl methacrylate	ND	2.00	ug/L							
Methylene chloride	ND	4.00	ug/L							
Methyl-t-butyl ether (MTBE)	ND	1.00	ug/L							
Naphthalene	ND	1.00	ug/L							
n-Butylbenzene	ND	1.00	ug/L							
n-Propylbenzene	ND	1.00	ug/L							
o-Xylene	ND	1.00	ug/L							
Pentachloroethane	ND	10.0	ug/L							
Propionitrile	ND	40.0	ug/L							
sec-Butylbenzene	ND	1.00	ug/L							
Styrene	ND	1.00	ug/L							
TAEE	ND	5.00	ug/L							
TAME	ND	5.00	ug/L							
TBA	ND	100	ug/L							
tert-Butylbenzene	ND	1.00	ug/L							
Tetrachloroethylene (PCE)	ND	1.00	ug/L							
Toluene	ND	1.00	ug/L							
trans-1,2-Dichloroethylene	ND	1.00	ug/L							
trans-1,3-Dichloropropene	ND	1.00	ug/L							
trans-1,4-Dichloro-2-butene	ND	4.00	ug/L							
Trichloroethylene	ND	1.00	ug/L							
Trichlorofluoromethane	ND	1.00	ug/L							
Vinyl acetate	ND	10.0	ug/L							

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0601 - SW5030B-MS										
Blank (BGL0601-BLK1)				Prepared & Analyzed: 12/14/2023						
Vinyl chloride	ND	0.50	ug/L							
Xylenes, Total	ND	3.00	ug/L							
Diethyl ether	ND	5.00	ug/L							
Surr: 1,2-Dichloroethane-d4 (Surr)	*47.4*		ug/L	*50.0*		*94.9*	*70-120*			
Surr: 4-Bromofluorobenzene (Surr)	*49.3*		ug/L	*50.0*		*98.6*	*75-120*			
Surr: Dibromofluoromethane (Surr)	*48.7*		ug/L	*50.0*		*97.3*	*70-130*			
Surr: Toluene-d8 (Surr)	*48.4*		ug/L	*50.0*		*96.7*	*70-130*			
LCS (BGL0601-BS1)				Prepared & Analyzed: 12/14/2023						
1,1,1,2-Tetrachloroethane	45.0	0.4	ug/L	50.0		90.0	80-130			
1,1,1-Trichloroethane	43.8	1	ug/L	50.0		87.7	65-130			
1,1,2,2-Tetrachloroethane	47.1	0.4	ug/L	50.0		94.2	65-130			
1,1,2-Trichloroethane	44.8	1	ug/L	50.0		89.6	75-125			
1,1-Dichloroethane	42.1	1	ug/L	50.0		84.2	70-135			
1,1-Dichloroethylene	43.5	1	ug/L	50.0		86.9	70-130			
1,1-Dichloropropene	45.1	1	ug/L	50.0		90.2	75-135			
1,2,3-Trichlorobenzene	41.3	1	ug/L	50.0		82.6	55-140			
1,2,3-Trichloropropane	46.0	1	ug/L	50.0		91.9	75-125			
1,2,4-Trichlorobenzene	43.2	1	ug/L	50.0		86.5	65-135			
1,2,4-Trimethylbenzene	44.8	1	ug/L	50.0		89.7	75-130			
1,2-Dibromo-3-chloropropane (DBCP)	43.6	1	ug/L	50.0		87.2	50-130			
1,2-Dibromoethane (EDB)	44.9	1	ug/L	50.0		89.8	80-120			
1,2-Dichlorobenzene	45.4	0.5	ug/L	50.0		90.9	70-120			
1,2-Dichloroethane	41.4	1	ug/L	50.0		82.8	70-130			
1,2-Dichloropropane	42.7	0.5	ug/L	50.0		85.4	75-125			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0601 - SW5030B-MS										
LCS (BGL0601-BS1)				Prepared & Analyzed: 12/14/2023						
1,3,5-Trimethylbenzene	43.6	1	ug/L	50.0		87.2	75-125			
1,3-Dichlorobenzene	45.4	1	ug/L	50.0		90.7	75-125			
1,3-Dichloropropane	41.9	1	ug/L	50.0		83.9	75-125			
1,4-Dichlorobenzene	44.0	1	ug/L	50.0		88.0	75-125			
2,2-Dichloropropane	45.4	1	ug/L	50.0		90.7	70-135			
2-Butanone (MEK)	47.7	10	ug/L	50.0		95.4	30-150			
2-Chlorotoluene	45.9	1	ug/L	50.0		91.8	75-125			
2-Hexanone (MBK)	47.6	5	ug/L	50.0		95.2	55-130			
4-Chlorotoluene	44.8	1	ug/L	50.0		89.5	75-130			
4-Isopropyltoluene	45.5	1	ug/L	50.0		91.0	75-130			
4-Methyl-2-pentanone (MIBK)	45.6	5	ug/L	50.0		91.1	60-135			
Acetone	41.8	10	ug/L	50.0		83.6	40-140			
Benzene	41.2	1	ug/L	50.0		82.5	80-120			
Bromobenzene	47.2	1	ug/L	50.0		94.3	75-125			
Bromochloromethane	39.1	1	ug/L	50.0		78.2	65-130			
Bromodichloromethane	45.0	0.5	ug/L	50.0		90.1	75-120			
Bromoform	45.0	1	ug/L	50.0		89.9	70-130			
Bromomethane	31.8	1	ug/L	50.0		63.6	30-145			
Carbon disulfide	42.1	10	ug/L	50.0		84.3	35-160			
Carbon tetrachloride	51.0	1	ug/L	50.0		102	65-140			
Chlorobenzene	46.4	1	ug/L	50.0		92.8	80-120			
Chloroethane	41.8	1	ug/L	50.0		83.7	60-135			
Chloroform	41.1	0.5	ug/L	50.0		82.2	65-135			
Chloromethane	36.3	1	ug/L	50.0		72.5	40-125			
cis-1,2-Dichloroethylene	40.0	1	ug/L	50.0		80.0	70-125			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0601 - SW5030B-MS										
LCS (BGL0601-BS1)				Prepared & Analyzed: 12/14/2023						
cis-1,3-Dichloropropene	43.2	1	ug/L	50.0		86.3	70-130			
Dibromochloromethane	44.8	0.5	ug/L	50.0		89.6	60-135			
Dibromomethane	43.8	1	ug/L	50.0		87.5	75-125			
Dichlorodifluoromethane	44.0	1	ug/L	50.0		88.1	30-155			
Ethylbenzene	47.1	1	ug/L	50.0		94.3	75-125			
Hexachlorobutadiene	45.4	0.8	ug/L	50.0		90.8	50-140			
Isopropylbenzene	44.8	1	ug/L	50.0		89.5	75-125			
m+p-Xylenes	94.5	2	ug/L	100		94.5	75-130			
Methylene chloride	42.9	4	ug/L	50.0		85.8	55-140			
Methyl-t-butyl ether (MTBE)	38.5	1	ug/L	50.0		76.9	65-125			
Naphthalene	41.3	1	ug/L	50.0		82.6	55-140			
n-Butylbenzene	45.8	1	ug/L	50.0		91.6	70-135			
n-Propylbenzene	45.7	1	ug/L	50.0		91.5	70-130			
o-Xylene	46.7	1	ug/L	50.0		93.4	80-120			
sec-Butylbenzene	49.5	1	ug/L	50.0		98.9	70-125			
Styrene	43.8	1	ug/L	50.0		87.6	65-135			
tert-Butylbenzene	44.9	1	ug/L	50.0		89.8	70-130			
Tetrachloroethylene (PCE)	51.4	1	ug/L	50.0		103	45-150			
Toluene	44.5	1	ug/L	50.0		88.9	75-120			
trans-1,2-Dichloroethylene	39.9	1	ug/L	50.0		79.8	60-140			
trans-1,3-Dichloropropene	45.7	1	ug/L	50.0		91.4	55-140			
Trichloroethylene	46.2	1	ug/L	50.0		92.3	70-125			
Trichlorofluoromethane	52.2	1	ug/L	50.0		104	60-145			
Vinyl chloride	44.9	0.5	ug/L	50.0		89.7	50-145			
Surr: 1,2-Dichloroethane-d4 (Surr)	*42.9*		ug/L	*50.0*		*85.8*	*70-120*			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0601 - SW5030B-MS										
LCS (BGL0601-BS1)				Prepared & Analyzed: 12/14/2023						
Surr: 4-Bromofluorobenzene (Surr)	*50.6*		ug/L	*50.0*		*101*	*75-120*			
Surr: Dibromofluoromethane (Surr)	*47.0*		ug/L	*50.0*		*94.1*	*70-130*			
Surr: Toluene-d8 (Surr)	*48.8*		ug/L	*50.0*		*97.6*	*70-130*			
Matrix Spike (BGL0601-MS1)	**Source: 23L0718-03**			Prepared & Analyzed: 12/14/2023						
1,1,1,2-Tetrachloroethane	49.4	0.4	ug/L	50.0	BLOD	98.8	80-130			
1,1,1-Trichloroethane	48.3	1	ug/L	50.0	BLOD	96.7	65-130			
1,1,2,2-Tetrachloroethane	49.5	0.4	ug/L	50.0	BLOD	99.1	65-130			
1,1,2-Trichloroethane	49.8	1	ug/L	50.0	BLOD	99.7	75-125			
1,1-Dichloroethane	51.0	1	ug/L	50.0	4.69	92.6	70-135			
1,1-Dichloroethylene	48.4	1	ug/L	50.0	BLOD	96.8	50-145			
1,1-Dichloropropene	49.5	1	ug/L	50.0	BLOD	98.9	75-135			
1,2,3-Trichlorobenzene	45.9	1	ug/L	50.0	BLOD	91.9	55-140			
1,2,3-Trichloropropane	47.7	1	ug/L	50.0	BLOD	95.4	75-125			
1,2,4-Trichlorobenzene	45.8	1	ug/L	50.0	BLOD	91.7	65-135			
1,2,4-Trimethylbenzene	48.3	1	ug/L	50.0	BLOD	96.6	75-130			
1,2-Dibromo-3-chloropropane (DBCP)	48.8	1	ug/L	50.0	BLOD	97.6	50-130			
1,2-Dibromoethane (EDB)	49.0	1	ug/L	50.0	BLOD	98.0	80-120			
1,2-Dichlorobenzene	49.8	0.5	ug/L	50.0	BLOD	99.5	70-120			
1,2-Dichloroethane	45.0	1	ug/L	50.0	BLOD	89.9	70-130			
1,2-Dichloropropane	48.2	0.5	ug/L	50.0	BLOD	96.5	75-125			
1,3,5-Trimethylbenzene	46.6	1	ug/L	50.0	BLOD	93.3	75-124			
1,3-Dichlorobenzene	49.4	1	ug/L	50.0	BLOD	98.9	75-125			
1,3-Dichloropropane	47.3	1	ug/L	50.0	BLOD	94.6	75-125			
1,4-Dichlorobenzene	50.0	1	ug/L	50.0	1.65	96.8	75-125			

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Certificate of Analysis

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0601 - SW5030B-MS										
Matrix Spike (BGL0601-MS1)	**Source: 23L0718-03**			Prepared & Analyzed: 12/14/2023						
2,2-Dichloropropane	50.3	1	ug/L	50.0	BLOD	101	70-135			
2-Butanone (MEK)	38.5	10	ug/L	50.0	BLOD	77.1	30-150			
2-Chlorotoluene	50.0	1	ug/L	50.0	BLOD	100	75-125			
2-Hexanone (MBK)	48.1	5	ug/L	50.0	BLOD	96.2	55-130			
4-Chlorotoluene	48.1	1	ug/L	50.0	BLOD	96.2	75-130			
4-Isopropyltoluene	48.1	1	ug/L	50.0	BLOD	96.2	75-130			
4-Methyl-2-pentanone (MIBK)	47.9	5	ug/L	50.0	BLOD	95.7	60-135			
Acetone	42.5	10	ug/L	50.0	BLOD	85.1	40-140			
Benzene	49.1	1	ug/L	50.0	3.18	91.9	80-120			
Bromobenzene	51.2	1	ug/L	50.0	BLOD	102	75-125			
Bromochloromethane	42.8	1	ug/L	50.0	BLOD	85.6	65-130			
Bromodichloromethane	49.8	0.5	ug/L	50.0	BLOD	99.6	75-136			
Bromoform	47.7	1	ug/L	50.0	BLOD	95.4	70-130			
Bromomethane	34.5	1	ug/L	50.0	BLOD	69.0	30-145			
Carbon disulfide	45.6	10	ug/L	50.0	BLOD	91.3	35-160			
Carbon tetrachloride	56.7	1	ug/L	50.0	BLOD	113	65-140			
Chlorobenzene	52.1	1	ug/L	50.0	1.24	102	80-120			
Chloroethane	47.3	1	ug/L	50.0	0.90	92.7	60-135			
Chloroform	45.1	0.5	ug/L	50.0	BLOD	90.1	65-135			
Chloromethane	40.0	1	ug/L	50.0	BLOD	80.0	40-125			
cis-1,2-Dichloroethylene	85.6	1	ug/L	50.0	41.4	88.5	70-125			
cis-1,3-Dichloropropene	48.3	1	ug/L	50.0	BLOD	96.5	47-136			
Dibromochloromethane	50.1	0.5	ug/L	50.0	BLOD	100	60-135			
Dibromomethane	48.5	1	ug/L	50.0	BLOD	97.1	75-125			
Dichlorodifluoromethane	45.4	1	ug/L	50.0	BLOD	90.8	30-155			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0601 - SW5030B-MS										
Matrix Spike (BGL0601-MS1)	**Source: 23L0718-03**			Prepared & Analyzed: 12/14/2023						
Ethylbenzene	51.2	1	ug/L	50.0	BLOD	102	75-125			
Hexachlorobutadiene	50.8	0.8	ug/L	50.0	BLOD	102	50-140			
Isopropylbenzene	47.9	1	ug/L	50.0	BLOD	95.8	75-125			
m+p-Xylenes	102	2	ug/L	100	BLOD	102	75-130			
Methylene chloride	47.1	4	ug/L	50.0	BLOD	94.1	55-140			
Methyl-t-butyl ether (MTBE)	42.8	1	ug/L	50.0	0.75	84.2	65-125			
Naphthalene	46.3	1	ug/L	50.0	BLOD	92.6	55-140			
n-Butylbenzene	48.1	1	ug/L	50.0	BLOD	96.2	70-135			
n-Propylbenzene	49.6	1	ug/L	50.0	BLOD	99.2	70-130			
o-Xylene	51.7	1	ug/L	50.0	BLOD	103	80-120			
sec-Butylbenzene	51.4	1	ug/L	50.0	BLOD	103	70-125			
Styrene	47.9	1	ug/L	50.0	BLOD	95.7	65-135			
tert-Butylbenzene	48.0	1	ug/L	50.0	BLOD	95.9	70-130			
Tetrachloroethylene (PCE)	55.8	1	ug/L	50.0	BLOD	112	51-231			
Toluene	50.6	1	ug/L	50.0	BLOD	101	75-120			
trans-1,2-Dichloroethylene	44.8	1	ug/L	50.0	BLOD	89.6	60-140			
trans-1,3-Dichloropropene	51.1	1	ug/L	50.0	BLOD	102	55-140			
Trichloroethylene	52.1	1	ug/L	50.0	BLOD	104	70-125			
Trichlorofluoromethane	56.5	1	ug/L	50.0	BLOD	113	60-145			
Vinyl chloride	56.9	0.5	ug/L	50.0	8.59	96.6	50-145			
Surr: 1,2-Dichloroethane-d4 (Surr)	*44.7*		ug/L	*50.0*		*89.5*	*70-120*			
Surr: 4-Bromofluorobenzene (Surr)	*49.7*		ug/L	*50.0*		*99.4*	*75-120*			
Surr: Dibromofluoromethane (Surr)	*47.1*		ug/L	*50.0*		*94.2*	*70-130*			
Surr: Toluene-d8 (Surr)	*49.2*		ug/L	*50.0*		*98.4*	*70-130*			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0601 - SW5030B-MS										
Matrix Spike Dup (BGL0601-MSD1)	**Source: 23L0718-03**			Prepared & Analyzed: 12/14/2023						
1,1,1,2-Tetrachloroethane	48.9	0.4	ug/L	50.0	BLOD	97.9	80-130	0.976	30	
1,1,1-Trichloroethane	47.2	1	ug/L	50.0	BLOD	94.3	65-130	2.49	30	
1,1,2,2-Tetrachloroethane	51.1	0.4	ug/L	50.0	BLOD	102	65-130	3.10	30	
1,1,2-Trichloroethane	49.6	1	ug/L	50.0	BLOD	99.1	75-125	0.563	30	
1,1-Dichloroethane	49.2	1	ug/L	50.0	4.69	89.0	70-135	3.55	30	
1,1-Dichloroethylene	47.4	1	ug/L	50.0	BLOD	94.8	50-145	2.07	30	
1,1-Dichloropropene	48.9	1	ug/L	50.0	BLOD	97.9	75-135	1.08	30	
1,2,3-Trichlorobenzene	47.6	1	ug/L	50.0	BLOD	95.1	55-140	3.47	30	
1,2,3-Trichloropropane	49.0	1	ug/L	50.0	BLOD	98.0	75-125	2.69	30	
1,2,4-Trichlorobenzene	49.4	1	ug/L	50.0	BLOD	98.9	65-135	7.60	30	
1,2,4-Trimethylbenzene	48.4	1	ug/L	50.0	BLOD	96.9	75-130	0.289	30	
1,2-Dibromo-3-chloropropane (DBCP)	47.0	1	ug/L	50.0	BLOD	94.0	50-130	3.82	30	
1,2-Dibromoethane (EDB)	49.3	1	ug/L	50.0	BLOD	98.6	80-120	0.631	30	
1,2-Dichlorobenzene	49.8	0.5	ug/L	50.0	BLOD	99.5	70-120	0.0201	30	
1,2-Dichloroethane	44.8	1	ug/L	50.0	BLOD	89.6	70-130	0.290	30	
1,2-Dichloropropane	46.6	0.5	ug/L	50.0	BLOD	93.2	75-125	3.44	30	
1,3,5-Trimethylbenzene	46.8	1	ug/L	50.0	BLOD	93.7	75-124	0.449	30	
1,3-Dichlorobenzene	49.5	1	ug/L	50.0	BLOD	99.0	75-125	0.121	30	
1,3-Dichloropropane	46.5	1	ug/L	50.0	BLOD	92.9	75-125	1.75	30	
1,4-Dichlorobenzene	49.6	1	ug/L	50.0	1.65	95.9	75-125	0.883	30	
2,2-Dichloropropane	48.0	1	ug/L	50.0	BLOD	96.0	70-135	4.60	30	
2-Butanone (MEK)	39.1	10	ug/L	50.0	BLOD	78.2	30-150	1.49	30	
2-Chlorotoluene	49.0	1	ug/L	50.0	BLOD	97.9	75-125	2.14	30	
2-Hexanone (MBK)	50.7	5	ug/L	50.0	BLOD	101	55-130	5.26	30	
4-Chlorotoluene	48.2	1	ug/L	50.0	BLOD	96.4	75-130	0.145	30	

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0601 - SW5030B-MS										
Matrix Spike Dup (BGL0601-MSD1)	**Source: 23L0718-03**			Prepared & Analyzed: 12/14/2023						
4-Isopropyltoluene	50.3	1	ug/L	50.0	BLOD	101	75-130	4.43	30	
4-Methyl-2-pentanone (MIBK)	50.6	5	ug/L	50.0	BLOD	101	60-135	5.66	30	
Acetone	43.0	10	ug/L	50.0	BLOD	86.1	40-140	1.15	30	
Benzene	48.8	1	ug/L	50.0	3.18	91.2	80-120	0.735	30	
Bromobenzene	52.1	1	ug/L	50.0	BLOD	104	75-125	1.74	30	
Bromochloromethane	41.2	1	ug/L	50.0	BLOD	82.4	65-130	3.76	30	
Bromodichloromethane	50.2	0.5	ug/L	50.0	BLOD	100	75-136	0.800	30	
Bromoform	48.6	1	ug/L	50.0	BLOD	97.2	70-130	1.83	30	
Bromomethane	34.8	1	ug/L	50.0	BLOD	69.5	30-145	0.809	30	
Carbon disulfide	49.9	10	ug/L	50.0	BLOD	99.9	35-160	9.02	30	
Carbon tetrachloride	55.8	1	ug/L	50.0	BLOD	112	65-140	1.60	30	
Chlorobenzene	51.9	1	ug/L	50.0	1.24	101	80-120	0.346	30	
Chloroethane	45.9	1	ug/L	50.0	0.90	89.9	60-135	3.01	30	
Chloroform	44.2	0.5	ug/L	50.0	BLOD	88.4	65-135	1.88	30	
Chloromethane	39.1	1	ug/L	50.0	BLOD	78.1	40-125	2.35	30	
cis-1,2-Dichloroethylene	85.5	1	ug/L	50.0	41.4	88.2	70-125	0.199	30	
cis-1,3-Dichloropropene	47.7	1	ug/L	50.0	BLOD	95.5	47-136	1.08	30	
Dibromochloromethane	49.5	0.5	ug/L	50.0	BLOD	99.0	60-135	1.27	30	
Dibromomethane	47.8	1	ug/L	50.0	BLOD	95.6	75-125	1.49	30	
Dichlorodifluoromethane	45.7	1	ug/L	50.0	BLOD	91.3	30-155	0.549	30	
Ethylbenzene	52.3	1	ug/L	50.0	BLOD	105	75-125	1.97	30	
Hexachlorobutadiene	52.0	0.8	ug/L	50.0	BLOD	104	50-140	2.24	30	
Isopropylbenzene	50.3	1	ug/L	50.0	BLOD	101	75-125	4.97	30	
m+p-Xylenes	105	2	ug/L	100	BLOD	105	75-130	2.98	30	
Methylene chloride	46.0	4	ug/L	50.0	BLOD	92.0	55-140	2.34	30	

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0601 - SW5030B-MS										
Matrix Spike Dup (BGL0601-MSD1)	**Source: 23L0718-03**			Prepared & Analyzed: 12/14/2023						
Methyl-t-butyl ether (MTBE)	42.6	1	ug/L	50.0	0.75	83.6	65-125	0.609	30	
Naphthalene	47.9	1	ug/L	50.0	BLOD	95.7	55-140	3.31	30	
n-Butylbenzene	49.9	1	ug/L	50.0	BLOD	99.8	70-135	3.69	30	
n-Propylbenzene	48.6	1	ug/L	50.0	BLOD	97.2	70-130	2.06	30	
o-Xylene	52.4	1	ug/L	50.0	BLOD	105	80-120	1.29	30	
sec-Butylbenzene	54.5	1	ug/L	50.0	BLOD	109	70-125	5.91	30	
Styrene	48.6	1	ug/L	50.0	BLOD	97.1	65-135	1.45	30	
tert-Butylbenzene	49.4	1	ug/L	50.0	BLOD	98.9	70-130	3.02	30	
Tetrachloroethylene (PCE)	57.5	1	ug/L	50.0	BLOD	115	51-231	3.00	30	
Toluene	49.5	1	ug/L	50.0	BLOD	98.9	75-120	2.32	30	
trans-1,2-Dichloroethylene	43.1	1	ug/L	50.0	BLOD	86.2	60-140	3.80	30	
trans-1,3-Dichloropropene	50.7	1	ug/L	50.0	BLOD	101	55-140	0.806	30	
Trichloroethylene	50.5	1	ug/L	50.0	BLOD	101	70-125	3.06	30	
Trichlorofluoromethane	55.7	1	ug/L	50.0	BLOD	111	60-145	1.48	30	
Vinyl chloride	56.1	0.5	ug/L	50.0	8.59	94.9	50-145	1.49	30	
Surr: 1,2-Dichloroethane-d4 (Surr)	*45.1*		ug/L	*50.0*		*90.3*	*70-120*			
Surr: 4-Bromofluorobenzene (Surr)	*51.2*		ug/L	*50.0*		*102*	*75-120*			
Surr: Dibromofluoromethane (Surr)	*47.0*		ug/L	*50.0*		*93.9*	*70-130*			
Surr: Toluene-d8 (Surr)	*48.9*		ug/L	*50.0*		*97.8*	*70-130*			
Batch BGL0602 - SW5035-MS										
Blank (BGL0602-BLK1)				Prepared & Analyzed: 12/14/2023						
1,1,1,2-Tetrachloroethane	ND	5.00	ug/kg							
1,1,1-Trichloroethane	ND	5.00	ug/kg							
1,1,2,2-Tetrachloroethane	ND	5.00	ug/kg							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0602 - SW5035-MS										
Blank (BGL0602-BLK1)				Prepared & Analyzed: 12/14/2023						
1,1,2-Trichloroethane	ND	5.00	ug/kg							
1,1-Dichloroethane	ND	5.00	ug/kg							
1,1-Dichloroethylene	ND	5.00	ug/kg							
1,1-Dichloropropene	ND	5.00	ug/kg							
1,2,3-Trichlorobenzene	ND	5.00	ug/kg							
1,2,3-Trichloropropane	ND	5.00	ug/kg							
1,2,4-Trichlorobenzene	ND	5.00	ug/kg							
1,2,4-Trimethylbenzene	ND	5.00	ug/kg							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.00	ug/kg							
1,2-Dibromoethane (EDB)	ND	5.00	ug/kg							
1,2-Dichlorobenzene	ND	5.00	ug/kg							
1,2-Dichloroethane	ND	5.00	ug/kg							
1,2-Dichloropropane	ND	5.00	ug/kg							
1,3,5-Trimethylbenzene	ND	5.00	ug/kg							
1,3-Dichlorobenzene	ND	5.00	ug/kg							
1,3-Dichloropropane	ND	5.00	ug/kg							
1,4-Dichlorobenzene	ND	5.00	ug/kg							
2,2-Dichloropropane	ND	5.00	ug/kg							
2-Butanone (MEK)	ND	5.00	ug/kg							
2-Chlorotoluene	ND	5.00	ug/kg							
2-Hexanone (MBK)	ND	5.00	ug/kg							
4-Chlorotoluene	ND	5.00	ug/kg							
4-Isopropyltoluene	ND	5.00	ug/kg							
4-Methyl-2-pentanone (MIBK)	ND	5.00	ug/kg							
Acetone	ND	10.0	ug/kg							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0602 - SW5035-MS										
Blank (BGL0602-BLK1)				Prepared & Analyzed: 12/14/2023						
Benzene	ND	5.00	ug/kg							
Bromobenzene	ND	5.00	ug/kg							
Bromochloromethane	ND	5.00	ug/kg							
Bromodichloromethane	ND	5.00	ug/kg							
Bromoform	ND	5.00	ug/kg							
Bromomethane	ND	5.00	ug/kg							
Carbon disulfide	ND	5.00	ug/kg							
Carbon tetrachloride	ND	5.00	ug/kg							
Chlorobenzene	ND	5.00	ug/kg							
Chloroethane	ND	5.00	ug/kg							
Chloroform	ND	5.00	ug/kg							
Chloromethane	ND	5.00	ug/kg							
cis-1,2-Dichloroethylene	ND	5.00	ug/kg							
cis-1,3-Dichloropropene	ND	5.00	ug/kg							
Dibromochloromethane	ND	5.00	ug/kg							
Dibromomethane	ND	5.00	ug/kg							
Dichlorodifluoromethane	ND	5.00	ug/kg							
Di-isopropyl ether (DIPE)	ND	5.00	ug/kg							
Ethylbenzene	ND	5.00	ug/kg							
Hexachlorobutadiene	ND	5.00	ug/kg							
Iodomethane	ND	10.0	ug/kg							
Isopropylbenzene	ND	5.00	ug/kg							
m+p-Xylenes	ND	5.00	ug/kg							
Methylene chloride	ND	5.00	ug/kg							
Methyl-t-butyl ether (MTBE)	ND	5.00	ug/kg							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0602 - SW5035-MS										
Blank (BGL0602-BLK1)				Prepared & Analyzed: 12/14/2023						
Naphthalene	ND	5.00	ug/kg							
n-Butylbenzene	ND	5.00	ug/kg							
n-Propylbenzene	ND	5.00	ug/kg							
o-Xylene	ND	5.00	ug/kg							
sec-Butylbenzene	ND	5.00	ug/kg							
Styrene	ND	5.00	ug/kg							
tert-Butylbenzene	ND	5.00	ug/kg							
Tetrachloroethylene (PCE)	ND	5.00	ug/kg							
Toluene	ND	5.00	ug/kg							
trans-1,2-Dichloroethylene	ND	5.00	ug/kg							
trans-1,3-Dichloropropene	ND	5.00	ug/kg							
Trichloroethylene	ND	5.00	ug/kg							
Trichlorofluoromethane	ND	5.00	ug/kg							
Vinyl acetate	ND	10.0	ug/kg							
Vinyl chloride	ND	5.00	ug/kg							
Xylenes, Total	ND	15.0	ug/kg							
Surr: 1,2-Dichloroethane-d4 (Surr)	*56.5*		ug/kg	*50.0*		*113*	*80-120*			
Surr: 4-Bromofluorobenzene (Surr)	*48.1*		ug/kg	*50.0*		*96.2*	*85-120*			
Surr: Dibromofluoromethane (Surr)	*50.6*		ug/kg	*50.0*		*101*	*80-130*			
Surr: Toluene-d8 (Surr)	*49.7*		ug/kg	*50.0*		*99.4*	*85-115*			
LCS (BGL0602-BS1)				Prepared & Analyzed: 12/14/2023						
1,1,1,2-Tetrachloroethane	49.3	5	ug/kg	50.0		98.7	85-132			
1,1,1-Trichloroethane	50.9	5	ug/kg	50.0		102	70-135			
1,1,2,2-Tetrachloroethane	51.5	5	ug/kg	50.0		103	55-130			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0602 - SW5035-MS										
LCS (BGL0602-BS1)				Prepared & Analyzed: 12/14/2023						
1,1,2-Trichloroethane	53.7	5	ug/kg	50.0		107	60-125			
1,1-Dichloroethane	43.2	5	ug/kg	50.0		86.4	70-136			
1,1-Dichloroethylene	42.2	5	ug/kg	50.0		84.3	65-135			
1,1-Dichloropropene	48.3	5	ug/kg	50.0		96.6	70-135			
1,2,3-Trichlorobenzene	51.4	5	ug/kg	50.0		103	60-135			
1,2,3-Trichloropropane	50.2	5	ug/kg	50.0		100	65-130			
1,2,4-Trichlorobenzene	50.8	5	ug/kg	50.0		102	65-130			
1,2,4-Trimethylbenzene	51.0	5	ug/kg	50.0		102	65-135			
1,2-Dibromo-3-chloropropane (DBCP)	50.0	5	ug/kg	50.0		100	40-135			
1,2-Dibromoethane (EDB)	54.2	5	ug/kg	50.0		108	70-125			
1,2-Dichlorobenzene	53.0	5	ug/kg	50.0		106	75-120			
1,2-Dichloroethane	48.6	5	ug/kg	50.0		97.2	70-135			
1,2-Dichloropropane	44.8	5	ug/kg	50.0		89.5	70-120			
1,3,5-Trimethylbenzene	48.0	5	ug/kg	50.0		95.9	65-135			
1,3-Dichlorobenzene	49.2	5	ug/kg	50.0		98.5	70-125			
1,3-Dichloropropane	51.8	5	ug/kg	50.0		104	75-125			
1,4-Dichlorobenzene	51.0	5	ug/kg	50.0		102	70-125			
2,2-Dichloropropane	42.0	5	ug/kg	50.0		84.0	65-135			
2-Butanone (MEK)	49.8	5	ug/kg	50.0		99.6	30-160			
2-Chlorotoluene	46.8	5	ug/kg	50.0		93.5	70-130			
2-Hexanone (MBK)	37.8	5	ug/kg	50.0		75.7	45-145			
4-Chlorotoluene	49.1	5	ug/kg	50.0		98.2	75-125			
4-Isopropyltoluene	51.4	5	ug/kg	50.0		103	75-135			
4-Methyl-2-pentanone (MIBK)	37.7	5	ug/kg	50.0		75.4	45-145			
Acetone	31.7	10	ug/kg	50.0		63.4	20-160			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0602 - SW5035-MS										
LCS (BGL0602-BS1)				Prepared & Analyzed: 12/14/2023						
Benzene	44.4	5	ug/kg	50.0		88.9	75-125			
Bromobenzene	51.6	5	ug/kg	50.0		103	65-120			
Bromochloromethane	55.4	5	ug/kg	50.0		111	70-125			
Bromodichloromethane	49.7	5	ug/kg	50.0		99.3	70-130			
Bromoform	53.6	5	ug/kg	50.0		107	55-135			
Bromomethane	17.6	5	ug/kg	50.0		35.2	30-160			
Carbon disulfide	30.4	5	ug/kg	50.0		60.7	45-160			
Carbon tetrachloride	44.9	5	ug/kg	50.0		89.9	65-135			
Chlorobenzene	49.5	5	ug/kg	50.0		98.9	75-125			
Chloroethane	34.6	5	ug/kg	50.0		69.2	40-155			
Chloroform	47.6	5	ug/kg	50.0		95.2	70-125			
Chloromethane	37.2	5	ug/kg	50.0		74.3	50-130			
cis-1,2-Dichloroethylene	50.3	5	ug/kg	50.0		101	65-125			
cis-1,3-Dichloropropene	48.0	5	ug/kg	50.0		96.0	70-125			
Dibromochloromethane	56.2	5	ug/kg	50.0		112	65-130			
Dibromomethane	53.5	5	ug/kg	50.0		107	75-130			
Dichlorodifluoromethane	14.7	5	ug/kg	50.0		29.5	35-135			*L*
Ethylbenzene	46.0	5	ug/kg	50.0		92.0	75-125			
Hexachlorobutadiene	46.4	5	ug/kg	50.0		92.8	55-140			
Isopropylbenzene	44.4	5	ug/kg	50.0		88.7	75-130			
m+p-Xylenes	89.3	5	ug/kg	100		89.3	80-125			
Methylene chloride	44.3	5	ug/kg	50.0		88.6	55-140			
Methyl-t-butyl ether (MTBE)	57.7	5	ug/kg	50.0		115	65-125			
Naphthalene	57.3	5	ug/kg	50.0		115	40-125			
n-Butylbenzene	48.1	5	ug/kg	50.0		96.1	65-140			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0602 - SW5035-MS										
LCS (BGL0602-BS1)				Prepared & Analyzed: 12/14/2023						
n-Propylbenzene	46.0	5	ug/kg	50.0		92.0	65-135			
o-Xylene	48.5	5	ug/kg	50.0		96.9	75-125			
sec-Butylbenzene	39.6	5	ug/kg	50.0		79.1	65-130			
Styrene	46.2	5	ug/kg	50.0		92.3	75-125			
tert-Butylbenzene	49.3	5	ug/kg	50.0		98.5	65-130			
Tetrachloroethylene (PCE)	38.0	5	ug/kg	50.0		76.1	48.1-219			
Toluene	47.4	5	ug/kg	50.0		94.7	70-125			
trans-1,2-Dichloroethylene	45.9	5	ug/kg	50.0		91.8	65-135			
trans-1,3-Dichloropropene	51.6	5	ug/kg	50.0		103	65-125			
Trichloroethylene	46.9	5	ug/kg	50.0		93.7	75-125			
Trichlorofluoromethane	32.1	5	ug/kg	50.0		64.2	25-185			
Vinyl chloride	18.9	5	ug/kg	50.0		37.9	60-125			*L*
Surr: 1,2-Dichloroethane-d4 (Surr)	*58.3*		ug/kg	*50.0*		*117*	*80-120*			
Surr: 4-Bromofluorobenzene (Surr)	*50.5*		ug/kg	*50.0*		*101*	*85-120*			
Surr: Dibromofluoromethane (Surr)	*56.1*		ug/kg	*50.0*		*112*	*80-130*			
Surr: Toluene-d8 (Surr)	*50.1*		ug/kg	*50.0*		*100*	*85-115*			
Duplicate (BGL0602-DUP1)	**Source: 23L0675-05**			Prepared & Analyzed: 12/14/2023						
1,1,1,2-Tetrachloroethane	ND	5.02	ug/kg		BLOD			NA	30	
1,1,1-Trichloroethane	ND	5.02	ug/kg		BLOD			NA	30	
1,1,2,2-Tetrachloroethane	ND	5.02	ug/kg		BLOD			NA	30	
1,1,2-Trichloroethane	ND	5.02	ug/kg		BLOD			NA	30	
1,1-Dichloroethane	ND	5.02	ug/kg		BLOD			NA	30	
1,1-Dichloroethylene	ND	5.02	ug/kg		BLOD			NA	30	
1,1-Dichloropropene	ND	5.02	ug/kg		BLOD			NA	30	

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0602 - SW5035-MS										
Duplicate (BGL0602-DUP1)	**Source: 23L0675-05**			Prepared & Analyzed: 12/14/2023						
1,2,3-Trichlorobenzene	ND	5.02	ug/kg		BLOD			NA	30	
1,2,3-Trichloropropane	ND	5.02	ug/kg		BLOD			NA	30	
1,2,4-Trichlorobenzene	ND	5.02	ug/kg		BLOD			NA	30	
1,2,4-Trimethylbenzene	ND	5.02	ug/kg		BLOD			NA	30	
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.02	ug/kg		BLOD			NA	30	
1,2-Dibromoethane (EDB)	ND	5.02	ug/kg		BLOD			NA	30	
1,2-Dichlorobenzene	ND	5.02	ug/kg		BLOD			NA	30	
1,2-Dichloroethane	ND	5.02	ug/kg		BLOD			NA	30	
1,2-Dichloropropane	ND	5.02	ug/kg		BLOD			NA	30	
1,3,5-Trimethylbenzene	ND	5.02	ug/kg		BLOD			NA	30	
1,3-Dichlorobenzene	ND	5.02	ug/kg		BLOD			NA	30	
1,3-Dichloropropane	ND	5.02	ug/kg		BLOD			NA	30	
1,4-Dichlorobenzene	ND	5.02	ug/kg		BLOD			NA	30	
2,2-Dichloropropane	ND	5.02	ug/kg		BLOD			NA	30	
2-Butanone (MEK)	ND	5.02	ug/kg		BLOD			NA	30	
2-Chlorotoluene	ND	5.02	ug/kg		BLOD			NA	30	
2-Hexanone (MBK)	ND	5.02	ug/kg		BLOD			NA	30	
4-Chlorotoluene	ND	5.02	ug/kg		BLOD			NA	30	
4-Isopropyltoluene	ND	5.02	ug/kg		BLOD			NA	30	
4-Methyl-2-pentanone (MIBK)	ND	5.02	ug/kg		BLOD			NA	30	
Acetone	11.6	10.0	ug/kg		35.9			103	30	*P*
Benzene	ND	5.02	ug/kg		BLOD			NA	30	
Bromobenzene	ND	5.02	ug/kg		BLOD			NA	30	
Bromochloromethane	ND	5.02	ug/kg		BLOD			NA	30	
Bromodichloromethane	ND	5.02	ug/kg		BLOD			NA	30	

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0602 - SW5035-MS										
Duplicate (BGL0602-DUP1)	**Source: 23L0675-05**			Prepared & Analyzed: 12/14/2023						
Bromoform	ND	5.02	ug/kg		BLOD			NA	30	
Bromomethane	ND	5.02	ug/kg		BLOD			NA	30	
Carbon disulfide	ND	5.02	ug/kg		BLOD			NA	30	
Carbon tetrachloride	ND	5.02	ug/kg		BLOD			NA	30	
Chlorobenzene	ND	5.02	ug/kg		BLOD			NA	30	
Chloroethane	ND	5.02	ug/kg		BLOD			NA	30	
Chloroform	ND	5.02	ug/kg		BLOD			NA	30	
Chloromethane	ND	5.02	ug/kg		BLOD			NA	30	
cis-1,2-Dichloroethylene	ND	5.02	ug/kg		BLOD			NA	30	
cis-1,3-Dichloropropene	ND	5.02	ug/kg		BLOD			NA	30	
Dibromochloromethane	ND	5.02	ug/kg		BLOD			NA	30	
Dibromomethane	ND	5.02	ug/kg		BLOD			NA	30	
Dichlorodifluoromethane	ND	5.02	ug/kg		BLOD			NA	30	
Di-isopropyl ether (DIPE)	ND	5.02	ug/kg		BLOD			NA	30	
Ethylbenzene	ND	5.02	ug/kg		BLOD			NA	30	
Hexachlorobutadiene	ND	5.02	ug/kg		BLOD			NA	30	
Iodomethane	ND	10.0	ug/kg		BLOD			NA	30	
Isopropylbenzene	ND	5.02	ug/kg		BLOD			NA	30	
m+p-Xylenes	ND	5.02	ug/kg		BLOD			NA	30	
Methylene chloride	ND	5.02	ug/kg		BLOD			NA	30	
Methyl-t-butyl ether (MTBE)	ND	5.02	ug/kg		BLOD			NA	30	
Naphthalene	ND	5.02	ug/kg		BLOD			NA	30	
n-Butylbenzene	ND	5.02	ug/kg		BLOD			NA	30	
n-Propylbenzene	ND	5.02	ug/kg		BLOD			NA	30	
o-Xylene	ND	5.02	ug/kg		BLOD			NA	30	

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Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0602 - SW5035-MS										
Duplicate (BGL0602-DUP1)	**Source: 23L0675-05**			Prepared & Analyzed: 12/14/2023						
sec-Butylbenzene	ND	5.02	ug/kg		BLOD			NA	30	
Styrene	ND	5.02	ug/kg		BLOD			NA	30	
tert-Butylbenzene	ND	5.02	ug/kg		BLOD			NA	30	
Tetrachloroethylene (PCE)	ND	5.02	ug/kg		BLOD			NA	30	
Toluene	ND	5.02	ug/kg		BLOD			NA	30	
trans-1,2-Dichloroethylene	ND	5.02	ug/kg		BLOD			NA	30	
trans-1,3-Dichloropropene	ND	5.02	ug/kg		BLOD			NA	30	
Trichloroethylene	ND	5.02	ug/kg		BLOD			NA	30	
Trichlorofluoromethane	ND	5.02	ug/kg		BLOD			NA	30	
Vinyl acetate	ND	10.0	ug/kg		BLOD			NA	30	
Vinyl chloride	ND	5.02	ug/kg		BLOD			NA	30	
Xylenes, Total	ND	15.1	ug/kg		BLOD			NA	30	
Tetrahydrofuran	ND	10.0	ug/kg		BLOD			NA	30	
Diethyl ether	ND	5.02	ug/kg		BLOD			NA	30	
Surr: 1,2-Dichloroethane-d4 (Surr)	*60.7*		ug/kg	*50.0*		*121*	*80-120*			*S*
Surr: 4-Bromofluorobenzene (Surr)	*47.7*		ug/kg	*50.0*		*95.4*	*85-120*			
Surr: Dibromofluoromethane (Surr)	*53.0*		ug/kg	*50.0*		*106*	*80-130*			
Surr: Toluene-d8 (Surr)	*50.0*		ug/kg	*50.0*		*99.9*	*85-115*			
Batch BGL0739 - SW5030B-MS										
Blank (BGL0739-BLK1)				Prepared & Analyzed: 12/18/2023						
1,1,1,2-Tetrachloroethane	ND	0.40	ug/L							
1,1,1-Trichloroethane	ND	1.00	ug/L							
1,1,2,2-Tetrachloroethane	ND	0.40	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	10.0	ug/L							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0739 - SW5030B-MS										
Blank (BGL0739-BLK1)				Prepared & Analyzed: 12/18/2023						
1,1,2-Trichloroethane	ND	1.00	ug/L							
1,1-Dichloroethane	ND	1.00	ug/L							
1,1-Dichloroethylene	ND	1.00	ug/L							
1,1-Dichloropropene	ND	1.00	ug/L							
1,2,3-Trichlorobenzene	ND	1.00	ug/L							
1,2,3-Trichloropropane	ND	1.00	ug/L							
1,2,4-Trichlorobenzene	ND	1.00	ug/L							
1,2,4-Trimethylbenzene	ND	1.00	ug/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.00	ug/L							
1,2-Dibromoethane (EDB)	ND	1.00	ug/L							
1,2-Dichlorobenzene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	1.00	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
1,3,5-Trimethylbenzene	ND	1.00	ug/L							
1,3-Dichlorobenzene	ND	1.00	ug/L							
1,3-Dichloropropane	ND	1.00	ug/L							
1,4-Dichlorobenzene	ND	1.00	ug/L							
2,2-Dichloropropane	ND	1.00	ug/L							
2-Butanone (MEK)	ND	10.0	ug/L							
2-Chlorotoluene	ND	1.00	ug/L							
2-Hexanone (MBK)	ND	5.00	ug/L							
4-Chlorotoluene	ND	1.00	ug/L							
4-Isopropyltoluene	ND	1.00	ug/L							
4-Methyl-2-pentanone (MIBK)	ND	5.00	ug/L							
Acetone	ND	10.0	ug/L							

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Batch BGL0739 - SW5030B-MS										
Blank (BGL0739-BLK1)				Prepared & Analyzed: 12/18/2023						
Benzene	ND	1.00	ug/L							
Bromobenzene	ND	1.00	ug/L							
Bromochloromethane	ND	1.00	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	1.00	ug/L							
Bromomethane	ND	1.00	ug/L							
Carbon disulfide	ND	10.0	ug/L							
Carbon tetrachloride	ND	1.00	ug/L							
Chlorobenzene	ND	1.00	ug/L							
Chloroethane	ND	1.00	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.00	ug/L							
cis-1,2-Dichloroethylene	ND	1.00	ug/L							
cis-1,3-Dichloropropene	ND	1.00	ug/L							
Cyclohexane	ND	1.00	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dibromomethane	ND	1.00	ug/L							
Dichlorodifluoromethane	ND	1.00	ug/L							
Di-isopropyl ether (DIPE)	ND	5.00	ug/L							
Ethylbenzene	ND	1.00	ug/L							
Hexachlorobutadiene	ND	0.80	ug/L							
Iodomethane	ND	10.0	ug/L							
Isopropylbenzene	ND	1.00	ug/L							
m+p-Xylenes	ND	2.00	ug/L							
Methyl acetate	ND	4.00	ug/L							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0739 - SW5030B-MS										
Blank (BGL0739-BLK1)				Prepared & Analyzed: 12/18/2023						
Methyl cyclohexane	ND	1.00	ug/L							
Methylene chloride	ND	4.00	ug/L							
Methyl-t-butyl ether (MTBE)	ND	1.00	ug/L							
Naphthalene	ND	1.00	ug/L							
n-Butylbenzene	ND	1.00	ug/L							
n-Propylbenzene	ND	1.00	ug/L							
o-Xylene	ND	1.00	ug/L							
sec-Butylbenzene	ND	1.00	ug/L							
Styrene	ND	1.00	ug/L							
tert-Butylbenzene	ND	1.00	ug/L							
Tetrachloroethylene (PCE)	ND	1.00	ug/L							
Toluene	ND	1.00	ug/L							
trans-1,2-Dichloroethylene	ND	1.00	ug/L							
trans-1,3-Dichloropropene	ND	1.00	ug/L							
Trichloroethylene	ND	1.00	ug/L							
Trichlorofluoromethane	ND	1.00	ug/L							
Vinyl acetate	ND	10.0	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Xylenes, Total	ND	3.00	ug/L							
Surr: 1,2-Dichloroethane-d4 (Surr)	*45.8*		ug/L	*50.0*		*91.5*	*70-120*			
Surr: 4-Bromofluorobenzene (Surr)	*47.7*		ug/L	*50.0*		*95.4*	*75-120*			
Surr: Dibromofluoromethane (Surr)	*47.4*		ug/L	*50.0*		*94.7*	*70-130*			
Surr: Toluene-d8 (Surr)	*47.7*		ug/L	*50.0*		*95.4*	*70-130*			
LCS (BGL0739-BS1)				Prepared & Analyzed: 12/18/2023						

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Certificate of Analysis

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Client Site I.D.: Southside Park Landfill

Submitted To: Tom Raymond

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0739 - SW5030B-MS										
LCS (BGL0739-BS1)				Prepared & Analyzed: 12/18/2023						
1,1,1,2-Tetrachloroethane	47.4	0.4	ug/L	50.0		94.7	80-130			
1,1,1-Trichloroethane	47.4	1	ug/L	50.0		94.8	65-130			
1,1,2,2-Tetrachloroethane	45.6	0.4	ug/L	50.0		91.3	65-130			
1,1,2-Trichloroethane	45.8	1	ug/L	50.0		91.7	75-125			
1,1-Dichloroethane	46.3	1	ug/L	50.0		92.5	70-135			
1,1-Dichloroethylene	41.4	1	ug/L	50.0		82.8	70-130			
1,1-Dichloropropene	49.0	1	ug/L	50.0		97.9	75-135			
1,2,3-Trichlorobenzene	44.0	1	ug/L	50.0		88.0	55-140			
1,2,3-Trichloropropane	43.7	1	ug/L	50.0		87.3	75-125			
1,2,4-Trichlorobenzene	46.3	1	ug/L	50.0		92.5	65-135			
1,2,4-Trimethylbenzene	47.1	1	ug/L	50.0		94.2	75-130			
1,2-Dibromo-3-chloropropane (DBCP)	40.9	1	ug/L	50.0		81.9	50-130			
1,2-Dibromoethane (EDB)	46.2	1	ug/L	50.0		92.5	80-120			
1,2-Dichlorobenzene	47.6	0.5	ug/L	50.0		95.2	70-120			
1,2-Dichloroethane	41.2	1	ug/L	50.0		82.3	70-130			
1,2-Dichloropropane	44.5	0.5	ug/L	50.0		89.0	75-125			
1,3,5-Trimethylbenzene	45.0	1	ug/L	50.0		90.0	75-125			
1,3-Dichlorobenzene	48.4	1	ug/L	50.0		96.9	75-125			
1,3-Dichloropropane	42.8	1	ug/L	50.0		85.5	75-125			
1,4-Dichlorobenzene	45.9	1	ug/L	50.0		91.8	75-125			
2,2-Dichloropropane	48.9	1	ug/L	50.0		97.8	70-135			
2-Butanone (MEK)	41.4	10	ug/L	50.0		82.7	30-150			
2-Chlorotoluene	49.0	1	ug/L	50.0		98.0	75-125			
2-Hexanone (MBK)	45.0	5	ug/L	50.0		90.1	55-130			
4-Chlorotoluene	45.0	1	ug/L	50.0		90.1	75-130			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0739 - SW5030B-MS										
LCS (BGL0739-BS1)				Prepared & Analyzed: 12/18/2023						
4-Isopropyltoluene	48.4	1	ug/L	50.0		96.9	75-130			
4-Methyl-2-pentanone (MIBK)	43.4	5	ug/L	50.0		86.8	60-135			
Acetone	38.7	10	ug/L	50.0		77.3	40-140			
Benzene	43.6	1	ug/L	50.0		87.3	80-120			
Bromobenzene	49.1	1	ug/L	50.0		98.2	75-125			
Bromochloromethane	43.4	1	ug/L	50.0		86.9	65-130			
Bromodichloromethane	44.6	0.5	ug/L	50.0		89.3	75-120			
Bromoform	46.6	1	ug/L	50.0		93.3	70-130			
Bromomethane	35.6	1	ug/L	50.0		71.2	30-145			
Carbon disulfide	35.5	10	ug/L	50.0		70.9	35-160			
Carbon tetrachloride	50.0	1	ug/L	50.0		99.9	65-140			
Chlorobenzene	48.2	1	ug/L	50.0		96.4	80-120			
Chloroethane	36.3	1	ug/L	50.0		72.6	60-135			
Chloroform	43.7	0.5	ug/L	50.0		87.5	65-135			
Chloromethane	35.1	1	ug/L	50.0		70.2	40-125			
cis-1,2-Dichloroethylene	45.4	1	ug/L	50.0		90.9	70-125			
cis-1,3-Dichloropropene	44.6	1	ug/L	50.0		89.3	70-130			
Dibromochloromethane	46.8	0.5	ug/L	50.0		93.5	60-135			
Dibromomethane	43.0	1	ug/L	50.0		85.9	75-125			
Dichlorodifluoromethane	40.5	1	ug/L	50.0		81.0	30-155			
Ethylbenzene	48.4	1	ug/L	50.0		96.7	75-125			
Hexachlorobutadiene	50.5	0.8	ug/L	50.0		101	50-140			
Isopropylbenzene	47.7	1	ug/L	50.0		95.3	75-125			
m+p-Xylenes	95.9	2	ug/L	100		95.9	75-130			
Methylene chloride	40.6	4	ug/L	50.0		81.3	55-140			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0739 - SW5030B-MS										
LCS (BGL0739-BS1)				Prepared & Analyzed: 12/18/2023						
Methyl-t-butyl ether (MTBE)	42.4	1	ug/L	50.0		84.8	65-125			
Naphthalene	43.2	1	ug/L	50.0		86.4	55-140			
n-Butylbenzene	47.4	1	ug/L	50.0		94.7	70-135			
n-Propylbenzene	50.0	1	ug/L	50.0		100	70-130			
o-Xylene	48.7	1	ug/L	50.0		97.3	80-120			
sec-Butylbenzene	53.4	1	ug/L	50.0		107	70-125			
Styrene	44.9	1	ug/L	50.0		89.8	65-135			
tert-Butylbenzene	48.9	1	ug/L	50.0		97.8	70-130			
Tetrachloroethylene (PCE)	55.4	1	ug/L	50.0		111	45-150			
Toluene	46.7	1	ug/L	50.0		93.4	75-120			
trans-1,2-Dichloroethylene	44.6	1	ug/L	50.0		89.3	60-140			
trans-1,3-Dichloropropene	46.6	1	ug/L	50.0		93.3	55-140			
Trichloroethylene	46.7	1	ug/L	50.0		93.4	70-125			
Trichlorofluoromethane	47.4	1	ug/L	50.0		94.7	60-145			
Vinyl chloride	41.9	0.5	ug/L	50.0		83.9	50-145			
Surr: 1,2-Dichloroethane-d4 (Surr)	*47.1*		ug/L	*50.0*		*94.2*	*70-120*			
Surr: 4-Bromofluorobenzene (Surr)	*48.5*		ug/L	*50.0*		*97.0*	*75-120*			
Surr: Dibromofluoromethane (Surr)	*49.4*		ug/L	*50.0*		*98.9*	*70-130*			
Surr: Toluene-d8 (Surr)	*48.0*		ug/L	*50.0*		*96.1*	*70-130*			
Matrix Spike (BGL0739-MS1)	**Source: 23L0978-01**			Prepared & Analyzed: 12/18/2023						
1,1,1,2-Tetrachloroethane	48.8	0.4	ug/L	50.0	BLOD	97.7	80-130			
1,1,1-Trichloroethane	46.6	1	ug/L	50.0	BLOD	93.3	65-130			
1,1,2,2-Tetrachloroethane	47.8	0.4	ug/L	50.0	BLOD	95.5	65-130			
1,1,2-Trichloroethane	45.8	1	ug/L	50.0	BLOD	91.5	75-125			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0739 - SW5030B-MS										
Matrix Spike (BGL0739-MS1)	**Source: 23L0978-01**			Prepared & Analyzed: 12/18/2023						
1,1-Dichloroethane	44.2	1	ug/L	50.0	BLOD	88.5	70-135			
1,1-Dichloroethylene	41.7	1	ug/L	50.0	BLOD	83.4	50-145			
1,1-Dichloropropene	47.9	1	ug/L	50.0	BLOD	95.8	75-135			
1,2,3-Trichlorobenzene	51.0	1	ug/L	50.0	BLOD	102	55-140			
1,2,3-Trichloropropane	43.2	1	ug/L	50.0	BLOD	86.3	75-125			
1,2,4-Trichlorobenzene	52.5	1	ug/L	50.0	BLOD	105	65-135			
1,2,4-Trimethylbenzene	52.1	1	ug/L	50.0	BLOD	104	75-130			
1,2-Dibromo-3-chloropropane (DBCP)	44.6	1	ug/L	50.0	BLOD	89.2	50-130			
1,2-Dibromoethane (EDB)	47.9	1	ug/L	50.0	BLOD	95.8	80-120			
1,2-Dichlorobenzene	52.7	0.5	ug/L	50.0	BLOD	105	70-120			
1,2-Dichloroethane	39.0	1	ug/L	50.0	BLOD	78.1	70-130			
1,2-Dichloropropane	47.7	0.5	ug/L	50.0	BLOD	95.4	75-125			
1,3,5-Trimethylbenzene	50.8	1	ug/L	50.0	BLOD	102	75-124			
1,3-Dichlorobenzene	51.0	1	ug/L	50.0	BLOD	102	75-125			
1,3-Dichloropropane	43.7	1	ug/L	50.0	BLOD	87.4	75-125			
1,4-Dichlorobenzene	51.0	1	ug/L	50.0	BLOD	102	75-125			
2,2-Dichloropropane	47.6	1	ug/L	50.0	BLOD	95.3	70-135			
2-Butanone (MEK)	41.7	10	ug/L	50.0	BLOD	83.5	30-150			
2-Chlorotoluene	53.1	1	ug/L	50.0	BLOD	106	75-125			
2-Hexanone (MBK)	42.0	5	ug/L	50.0	BLOD	84.0	55-130			
4-Chlorotoluene	51.9	1	ug/L	50.0	BLOD	104	75-130			
4-Isopropyltoluene	55.6	1	ug/L	50.0	BLOD	111	75-130			
4-Methyl-2-pentanone (MIBK)	42.4	5	ug/L	50.0	BLOD	84.8	60-135			
Acetone	32.3	10	ug/L	50.0	BLOD	64.6	40-140			
Benzene	46.4	1	ug/L	50.0	BLOD	92.8	80-120			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0739 - SW5030B-MS										
Matrix Spike (BGL0739-MS1)	**Source: 23L0978-01**			Prepared & Analyzed: 12/18/2023						
Bromobenzene	49.0	1	ug/L	50.0	BLOD	98.1	75-125			
Bromochloromethane	41.6	1	ug/L	50.0	BLOD	83.2	65-130			
Bromodichloromethane	49.1	0.5	ug/L	50.0	BLOD	98.2	75-136			
Bromoform	47.9	1	ug/L	50.0	BLOD	95.8	70-130			
Bromomethane	35.9	1	ug/L	50.0	BLOD	71.7	30-145			
Carbon disulfide	35.4	10	ug/L	50.0	BLOD	70.9	35-160			
Carbon tetrachloride	55.0	1	ug/L	50.0	BLOD	110	65-140			
Chlorobenzene	51.3	1	ug/L	50.0	BLOD	103	80-120			
Chloroethane	38.9	1	ug/L	50.0	BLOD	77.8	60-135			
Chloroform	42.8	0.5	ug/L	50.0	BLOD	85.6	65-135			
Chloromethane	34.2	1	ug/L	50.0	BLOD	68.4	40-125			
cis-1,2-Dichloroethylene	43.6	1	ug/L	50.0	BLOD	87.3	70-125			
cis-1,3-Dichloropropene	47.8	1	ug/L	50.0	BLOD	95.6	47-136			
Dibromochloromethane	49.2	0.5	ug/L	50.0	BLOD	98.4	60-135			
Dibromomethane	45.5	1	ug/L	50.0	BLOD	91.0	75-125			
Dichlorodifluoromethane	39.8	1	ug/L	50.0	BLOD	79.7	30-155			
Ethylbenzene	51.6	1	ug/L	50.0	BLOD	103	75-125			
Hexachlorobutadiene	58.6	0.8	ug/L	50.0	BLOD	117	50-140			
Isopropylbenzene	48.2	1	ug/L	50.0	BLOD	96.5	75-125			
m+p-Xylenes	102	2	ug/L	100	BLOD	102	75-130			
Methylene chloride	40.2	4	ug/L	50.0	BLOD	80.4	55-140			
Methyl-t-butyl ether (MTBE)	41.0	1	ug/L	50.0	BLOD	82.0	65-125			
Naphthalene	50.1	1	ug/L	50.0	BLOD	100	55-140			
n-Butylbenzene	53.6	1	ug/L	50.0	BLOD	107	70-135			
n-Propylbenzene	55.0	1	ug/L	50.0	BLOD	110	70-130			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0739 - SW5030B-MS										
Matrix Spike (BGL0739-MS1)	**Source: 23L0978-01**			Prepared & Analyzed: 12/18/2023						
o-Xylene	51.5	1	ug/L	50.0	BLOD	103	80-120			
sec-Butylbenzene	56.6	1	ug/L	50.0	BLOD	113	70-125			
Styrene	48.9	1	ug/L	50.0	BLOD	97.9	65-135			
tert-Butylbenzene	53.2	1	ug/L	50.0	BLOD	106	70-130			
Tetrachloroethylene (PCE)	58.1	1	ug/L	50.0	BLOD	116	51-231			
Toluene	48.2	1	ug/L	50.0	BLOD	96.5	75-120			
trans-1,2-Dichloroethylene	43.9	1	ug/L	50.0	BLOD	87.8	60-140			
trans-1,3-Dichloropropene	46.9	1	ug/L	50.0	BLOD	93.8	55-140			
Trichloroethylene	50.9	1	ug/L	50.0	BLOD	102	70-125			
Trichlorofluoromethane	47.0	1	ug/L	50.0	BLOD	93.9	60-145			
Vinyl chloride	40.3	0.5	ug/L	50.0	BLOD	80.7	50-145			
Surr: 1,2-Dichloroethane-d4 (Surr)	*42.3*		ug/L	*50.0*		*84.6*	*70-120*			
Surr: 4-Bromofluorobenzene (Surr)	*45.9*		ug/L	*50.0*		*91.8*	*75-120*			
Surr: Dibromofluoromethane (Surr)	*45.3*		ug/L	*50.0*		*90.7*	*70-130*			
Surr: Toluene-d8 (Surr)	*46.4*		ug/L	*50.0*		*92.7*	*70-130*			
Matrix Spike Dup (BGL0739-MSD1)	**Source: 23L0978-01**			Prepared & Analyzed: 12/18/2023						
1,1,1,2-Tetrachloroethane	50.3	0.4	ug/L	50.0	BLOD	101	80-130	2.91	30	
1,1,1-Trichloroethane	47.3	1	ug/L	50.0	BLOD	94.6	65-130	1.45	30	
1,1,2,2-Tetrachloroethane	47.6	0.4	ug/L	50.0	BLOD	95.3	65-130	0.293	30	
1,1,2-Trichloroethane	45.0	1	ug/L	50.0	BLOD	90.0	75-125	1.70	30	
1,1-Dichloroethane	46.3	1	ug/L	50.0	BLOD	92.7	70-135	4.62	30	
1,1-Dichloroethylene	42.3	1	ug/L	50.0	BLOD	84.7	50-145	1.45	30	
1,1-Dichloropropene	49.1	1	ug/L	50.0	BLOD	98.1	75-135	2.35	30	
1,2,3-Trichlorobenzene	51.0	1	ug/L	50.0	BLOD	102	55-140	0.0589	30	

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Batch BGL0739 - SW5030B-MS										
Matrix Spike Dup (BGL0739-MSD1)	**Source: 23L0978-01**			Prepared & Analyzed: 12/18/2023						
1,2,3-Trichloropropane	46.0	1	ug/L	50.0	BLOD	92.0	75-125	6.30	30	
1,2,4-Trichlorobenzene	53.4	1	ug/L	50.0	BLOD	107	65-135	1.83	30	
1,2,4-Trimethylbenzene	51.1	1	ug/L	50.0	BLOD	102	75-130	1.86	30	
1,2-Dibromo-3-chloropropane (DBCP)	46.0	1	ug/L	50.0	BLOD	91.9	50-130	3.03	30	
1,2-Dibromoethane (EDB)	48.8	1	ug/L	50.0	BLOD	97.5	80-120	1.82	30	
1,2-Dichlorobenzene	52.6	0.5	ug/L	50.0	BLOD	105	70-120	0.209	30	
1,2-Dichloroethane	41.3	1	ug/L	50.0	BLOD	82.5	70-130	5.53	30	
1,2-Dichloropropane	46.8	0.5	ug/L	50.0	BLOD	93.5	75-125	2.01	30	
1,3,5-Trimethylbenzene	50.5	1	ug/L	50.0	BLOD	101	75-124	0.593	30	
1,3-Dichlorobenzene	52.5	1	ug/L	50.0	BLOD	105	75-125	2.88	30	
1,3-Dichloropropane	42.8	1	ug/L	50.0	BLOD	85.7	75-125	2.03	30	
1,4-Dichlorobenzene	51.3	1	ug/L	50.0	BLOD	103	75-125	0.665	30	
2,2-Dichloropropane	48.6	1	ug/L	50.0	BLOD	97.2	70-135	1.95	30	
2-Butanone (MEK)	36.2	10	ug/L	50.0	BLOD	72.3	30-150	14.3	30	
2-Chlorotoluene	53.1	1	ug/L	50.0	BLOD	106	75-125	0.0942	30	
2-Hexanone (MBK)	43.6	5	ug/L	50.0	BLOD	87.2	55-130	3.76	30	
4-Chlorotoluene	51.4	1	ug/L	50.0	BLOD	103	75-130	0.832	30	
4-Isopropyltoluene	54.2	1	ug/L	50.0	BLOD	108	75-130	2.46	30	
4-Methyl-2-pentanone (MIBK)	39.6	5	ug/L	50.0	BLOD	79.3	60-135	6.78	30	
Acetone	33.2	10	ug/L	50.0	BLOD	66.5	40-140	2.87	30	
Benzene	46.4	1	ug/L	50.0	BLOD	92.8	80-120	0.0215	30	
Bromobenzene	51.8	1	ug/L	50.0	BLOD	104	75-125	5.55	30	
Bromochloromethane	43.9	1	ug/L	50.0	BLOD	87.7	65-130	5.24	30	
Bromodichloromethane	44.6	0.5	ug/L	50.0	BLOD	89.3	75-136	9.45	30	
Bromoform	48.9	1	ug/L	50.0	BLOD	97.7	70-130	2.05	30	

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Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0739 - SW5030B-MS										
Matrix Spike Dup (BGL0739-MSD1)	**Source: 23L0978-01**			Prepared & Analyzed: 12/18/2023						
Bromomethane	35.4	1	ug/L	50.0	BLOD	70.7	30-145	1.40	30	
Carbon disulfide	38.3	10	ug/L	50.0	BLOD	76.7	35-160	7.86	30	
Carbon tetrachloride	54.3	1	ug/L	50.0	BLOD	109	65-140	1.30	30	
Chlorobenzene	51.1	1	ug/L	50.0	BLOD	102	80-120	0.391	30	
Chloroethane	37.7	1	ug/L	50.0	BLOD	75.4	60-135	3.21	30	
Chloroform	44.8	0.5	ug/L	50.0	BLOD	89.6	65-135	4.59	30	
Chloromethane	34.8	1	ug/L	50.0	BLOD	69.5	40-125	1.59	30	
cis-1,2-Dichloroethylene	45.3	1	ug/L	50.0	BLOD	90.5	70-125	3.64	30	
cis-1,3-Dichloropropene	43.6	1	ug/L	50.0	BLOD	87.3	47-136	9.14	30	
Dibromochloromethane	45.5	0.5	ug/L	50.0	BLOD	91.0	60-135	7.85	30	
Dibromomethane	45.8	1	ug/L	50.0	BLOD	91.5	75-125	0.548	30	
Dichlorodifluoromethane	40.8	1	ug/L	50.0	BLOD	81.6	30-155	2.38	30	
Ethylbenzene	52.3	1	ug/L	50.0	BLOD	105	75-125	1.42	30	
Hexachlorobutadiene	55.0	0.8	ug/L	50.0	BLOD	110	50-140	6.20	30	
Isopropylbenzene	50.8	1	ug/L	50.0	BLOD	102	75-125	5.13	30	
m+p-Xylenes	106	2	ug/L	100	BLOD	106	75-130	3.64	30	
Methylene chloride	41.6	4	ug/L	50.0	BLOD	83.2	55-140	3.35	30	
Methyl-t-butyl ether (MTBE)	42.2	1	ug/L	50.0	BLOD	84.4	65-125	2.93	30	
Naphthalene	50.0	1	ug/L	50.0	BLOD	100	55-140	0.0999	30	
n-Butylbenzene	53.0	1	ug/L	50.0	BLOD	106	70-135	1.09	30	
n-Propylbenzene	54.8	1	ug/L	50.0	BLOD	110	70-130	0.382	30	
o-Xylene	51.8	1	ug/L	50.0	BLOD	104	80-120	0.465	30	
sec-Butylbenzene	58.4	1	ug/L	50.0	BLOD	117	70-125	3.04	30	
Styrene	48.8	1	ug/L	50.0	BLOD	97.6	65-135	0.286	30	
tert-Butylbenzene	53.8	1	ug/L	50.0	BLOD	108	70-130	1.29	30	

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0739 - SW5030B-MS										
Matrix Spike Dup (BGL0739-MSD1)	**Source: 23L0978-01**			Prepared & Analyzed: 12/18/2023						
Tetrachloroethylene (PCE)	57.9	1	ug/L	50.0	BLOD	116	51-231	0.483	30	
Toluene	46.5	1	ug/L	50.0	BLOD	93.0	75-120	3.69	30	
trans-1,2-Dichloroethylene	45.0	1	ug/L	50.0	BLOD	90.0	60-140	2.50	30	
trans-1,3-Dichloropropene	45.4	1	ug/L	50.0	BLOD	90.8	55-140	3.23	30	
Trichloroethylene	46.4	1	ug/L	50.0	BLOD	92.9	70-125	9.10	30	
Trichlorofluoromethane	47.3	1	ug/L	50.0	BLOD	94.7	60-145	0.806	30	
Vinyl chloride	41.4	0.5	ug/L	50.0	BLOD	82.7	50-145	2.52	30	
Surr: 1,2-Dichloroethane-d4 (Surr)	*44.6*		ug/L	*50.0*		*89.3*	*70-120*			
Surr: 4-Bromofluorobenzene (Surr)	*47.8*		ug/L	*50.0*		*95.5*	*75-120*			
Surr: Dibromofluoromethane (Surr)	*46.3*		ug/L	*50.0*		*92.6*	*70-130*			
Surr: Toluene-d8 (Surr)	*43.4*		ug/L	*50.0*		*86.8*	*70-130*			
Batch BGL0754 - SW5035-MS										
Blank (BGL0754-BLK1)				Prepared & Analyzed: 12/18/2023						
1,1,1,2-Tetrachloroethane	ND	5.00	ug/kg							
1,1,1-Trichloroethane	ND	5.00	ug/kg							
1,1,2,2-Tetrachloroethane	ND	5.00	ug/kg							
1,1,2-Trichloroethane	ND	5.00	ug/kg							
1,1-Dichloroethane	ND	5.00	ug/kg							
1,1-Dichloroethylene	ND	5.00	ug/kg							
1,1-Dichloropropene	ND	5.00	ug/kg							
1,2,3-Trichlorobenzene	ND	5.00	ug/kg							
1,2,3-Trichloropropane	ND	5.00	ug/kg							
1,2,4-Trichlorobenzene	ND	5.00	ug/kg							
1,2,4-Trimethylbenzene	ND	5.00	ug/kg							

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0754 - SW5035-MS										
Blank (BGL0754-BLK1)				Prepared & Analyzed: 12/18/2023						
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.00	ug/kg							
1,2-Dibromoethane (EDB)	ND	5.00	ug/kg							
1,2-Dichlorobenzene	ND	5.00	ug/kg							
1,2-Dichloroethane	ND	5.00	ug/kg							
1,2-Dichloropropane	ND	5.00	ug/kg							
1,3,5-Trimethylbenzene	ND	5.00	ug/kg							
1,3-Dichlorobenzene	ND	5.00	ug/kg							
1,3-Dichloropropane	ND	5.00	ug/kg							
1,4-Dichlorobenzene	ND	5.00	ug/kg							
2,2-Dichloropropane	ND	5.00	ug/kg							
2-Butanone (MEK)	ND	5.00	ug/kg							
2-Chlorotoluene	ND	5.00	ug/kg							
2-Hexanone (MBK)	ND	5.00	ug/kg							
4-Chlorotoluene	ND	5.00	ug/kg							
4-Isopropyltoluene	ND	5.00	ug/kg							
4-Methyl-2-pentanone (MIBK)	ND	5.00	ug/kg							
Acetone	ND	10.0	ug/kg							
Benzene	ND	5.00	ug/kg							
Bromobenzene	ND	5.00	ug/kg							
Bromochloromethane	ND	5.00	ug/kg							
Bromodichloromethane	ND	5.00	ug/kg							
Bromoform	ND	5.00	ug/kg							
Bromomethane	ND	5.00	ug/kg							
Carbon disulfide	ND	5.00	ug/kg							
Carbon tetrachloride	ND	5.00	ug/kg							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0754 - SW5035-MS										
Blank (BGL0754-BLK1)				Prepared & Analyzed: 12/18/2023						
Chlorobenzene	ND	5.00	ug/kg							
Chloroethane	ND	5.00	ug/kg							
Chloroform	ND	5.00	ug/kg							
Chloromethane	ND	5.00	ug/kg							
cis-1,2-Dichloroethylene	ND	5.00	ug/kg							
cis-1,3-Dichloropropene	ND	5.00	ug/kg							
Dibromochloromethane	ND	5.00	ug/kg							
Dibromomethane	ND	5.00	ug/kg							
Dichlorodifluoromethane	ND	5.00	ug/kg							
Di-isopropyl ether (DIPE)	ND	5.00	ug/kg							
Ethylbenzene	ND	5.00	ug/kg							
Hexachlorobutadiene	ND	5.00	ug/kg							
Iodomethane	ND	10.0	ug/kg							
Isopropylbenzene	ND	5.00	ug/kg							
m+p-Xylenes	ND	5.00	ug/kg							
Methylene chloride	ND	5.00	ug/kg							
Methyl-t-butyl ether (MTBE)	ND	5.00	ug/kg							
Naphthalene	ND	5.00	ug/kg							
n-Butylbenzene	ND	5.00	ug/kg							
n-Propylbenzene	ND	5.00	ug/kg							
o-Xylene	ND	5.00	ug/kg							
sec-Butylbenzene	ND	5.00	ug/kg							
Styrene	ND	5.00	ug/kg							
tert-Butylbenzene	ND	5.00	ug/kg							
Tetrachloroethylene (PCE)	ND	5.00	ug/kg							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0754 - SW5035-MS										
Blank (BGL0754-BLK1)				Prepared & Analyzed: 12/18/2023						
Toluene	ND	5.00	ug/kg							
trans-1,2-Dichloroethylene	ND	5.00	ug/kg							
trans-1,3-Dichloropropene	ND	5.00	ug/kg							
Trichloroethylene	ND	5.00	ug/kg							
Trichlorofluoromethane	ND	5.00	ug/kg							
Vinyl acetate	ND	10.0	ug/kg							
Vinyl chloride	ND	5.00	ug/kg							
Xylenes, Total	ND	15.0	ug/kg							
Surr: 1,2-Dichloroethane-d4 (Surr)	*50.6*		ug/kg	*50.0*		*101*	*80-120*			
Surr: 4-Bromofluorobenzene (Surr)	*48.5*		ug/kg	*50.0*		*97.0*	*85-120*			
Surr: Dibromofluoromethane (Surr)	*50.7*		ug/kg	*50.0*		*101*	*80-130*			
Surr: Toluene-d8 (Surr)	*50.0*		ug/kg	*50.0*		*100*	*85-115*			
LCS (BGL0754-BS1)				Prepared & Analyzed: 12/18/2023						
1,1,1,2-Tetrachloroethane	53.3	5	ug/kg	50.0		107	85-132			
1,1,1-Trichloroethane	51.8	5	ug/kg	50.0		104	70-135			
1,1,2,2-Tetrachloroethane	51.0	5	ug/kg	50.0		102	55-130			
1,1,2-Trichloroethane	52.2	5	ug/kg	50.0		104	60-125			
1,1-Dichloroethane	49.6	5	ug/kg	50.0		99.1	70-136			
1,1-Dichloroethylene	43.3	5	ug/kg	50.0		86.6	65-135			
1,1-Dichloropropene	50.6	5	ug/kg	50.0		101	70-135			
1,2,3-Trichlorobenzene	56.2	5	ug/kg	50.0		112	60-135			
1,2,3-Trichloropropane	48.6	5	ug/kg	50.0		97.1	65-130			
1,2,4-Trichlorobenzene	59.2	5	ug/kg	50.0		118	65-130			
1,2,4-Trimethylbenzene	59.2	5	ug/kg	50.0		118	65-135			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0754 - SW5035-MS										
LCS (BGL0754-BS1)				Prepared & Analyzed: 12/18/2023						
1,2-Dibromo-3-chloropropane (DBCP)	49.9	5	ug/kg	50.0		99.8	40-135			
1,2-Dibromoethane (EDB)	51.7	5	ug/kg	50.0		103	70-125			
1,2-Dichlorobenzene	54.2	5	ug/kg	50.0		108	75-120			
1,2-Dichloroethane	46.8	5	ug/kg	50.0		93.6	70-135			
1,2-Dichloropropane	51.2	5	ug/kg	50.0		102	70-120			
1,3,5-Trimethylbenzene	56.8	5	ug/kg	50.0		114	65-135			
1,3-Dichlorobenzene	55.2	5	ug/kg	50.0		110	70-125			
1,3-Dichloropropane	51.1	5	ug/kg	50.0		102	75-125			
1,4-Dichlorobenzene	54.4	5	ug/kg	50.0		109	70-125			
2,2-Dichloropropane	54.2	5	ug/kg	50.0		108	65-135			
2-Butanone (MEK)	49.7	5	ug/kg	50.0		99.4	30-160			
2-Chlorotoluene	55.5	5	ug/kg	50.0		111	70-130			
2-Hexanone (MBK)	45.9	5	ug/kg	50.0		91.8	45-145			
4-Chlorotoluene	54.4	5	ug/kg	50.0		109	75-125			
4-Isopropyltoluene	60.8	5	ug/kg	50.0		122	75-135			
4-Methyl-2-pentanone (MIBK)	53.8	5	ug/kg	50.0		108	45-145			
Acetone	41.0	10	ug/kg	50.0		82.1	20-160			
Benzene	50.0	5	ug/kg	50.0		100	75-125			
Bromobenzene	51.6	5	ug/kg	50.0		103	65-120			
Bromochloromethane	46.6	5	ug/kg	50.0		93.1	70-125			
Bromodichloromethane	54.7	5	ug/kg	50.0		109	70-130			
Bromoform	43.4	5	ug/kg	50.0		86.9	55-135			
Bromomethane	40.3	5	ug/kg	50.0		80.6	30-160			
Carbon disulfide	47.6	5	ug/kg	50.0		95.2	45-160			
Carbon tetrachloride	51.6	5	ug/kg	50.0		103	65-135			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0754 - SW5035-MS										
LCS (BGL0754-BS1)				Prepared & Analyzed: 12/18/2023						
Chlorobenzene	52.3	5	ug/kg	50.0		105	75-125			
Chloroethane	44.2	5	ug/kg	50.0		88.4	40-155			
Chloroform	45.8	5	ug/kg	50.0		91.6	70-125			
Chloromethane	36.3	5	ug/kg	50.0		72.6	50-130			
cis-1,2-Dichloroethylene	49.1	5	ug/kg	50.0		98.3	65-125			
cis-1,3-Dichloropropene	56.9	5	ug/kg	50.0		114	70-125			
Dibromochloromethane	46.3	5	ug/kg	50.0		92.6	65-130			
Dibromomethane	49.4	5	ug/kg	50.0		98.8	75-130			
Dichlorodifluoromethane	33.7	5	ug/kg	50.0		67.3	35-135			
Ethylbenzene	53.2	5	ug/kg	50.0		106	75-125			
Hexachlorobutadiene	55.1	5	ug/kg	50.0		110	55-140			
Isopropylbenzene	51.9	5	ug/kg	50.0		104	75-130			
m+p-Xylenes	103	5	ug/kg	100		103	80-125			
Methylene chloride	44.6	5	ug/kg	50.0		89.2	55-140			
Methyl-t-butyl ether (MTBE)	51.2	5	ug/kg	50.0		102	65-125			
Naphthalene	58.4	5	ug/kg	50.0		117	40-125			
n-Butylbenzene	60.2	5	ug/kg	50.0		120	65-140			
n-Propylbenzene	52.8	5	ug/kg	50.0		106	65-135			
o-Xylene	52.9	5	ug/kg	50.0		106	75-125			
sec-Butylbenzene	51.6	5	ug/kg	50.0		103	65-130			
Styrene	54.1	5	ug/kg	50.0		108	75-125			
tert-Butylbenzene	56.7	5	ug/kg	50.0		113	65-130			
Tetrachloroethylene (PCE)	48.6	5	ug/kg	50.0		97.1	48.1-219			
Toluene	51.9	5	ug/kg	50.0		104	70-125			
trans-1,2-Dichloroethylene	47.7	5	ug/kg	50.0		95.4	65-135			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0754 - SW5035-MS										
LCS (BGL0754-BS1)				Prepared & Analyzed: 12/18/2023						
trans-1,3-Dichloropropene	50.9	5	ug/kg	50.0		102	65-125			
Trichloroethylene	50.2	5	ug/kg	50.0		100	75-125			
Trichlorofluoromethane	47.2	5	ug/kg	50.0		94.4	25-185			
Vinyl chloride	42.2	5	ug/kg	50.0		84.3	60-125			
Surr: 1,2-Dichloroethane-d4 (Surr)	*48.6*		ug/kg	*50.0*		*97.2*	*80-120*			
Surr: 4-Bromofluorobenzene (Surr)	*48.8*		ug/kg	*50.0*		*97.7*	*85-120*			
Surr: Dibromofluoromethane (Surr)	*49.2*		ug/kg	*50.0*		*98.5*	*80-130*			
Surr: Toluene-d8 (Surr)	*50.5*		ug/kg	*50.0*		*101*	*85-115*			
Duplicate (BGL0754-DUP1)	**Source: 23L0912-02**			Prepared & Analyzed: 12/18/2023						
1,1,1,2-Tetrachloroethane	ND	6.14	ug/kg		BLOD			NA	30	
1,1,1-Trichloroethane	ND	6.14	ug/kg		BLOD			NA	30	
1,1,2,2-Tetrachloroethane	ND	6.14	ug/kg		BLOD			NA	30	
1,1,2-Trichloroethane	ND	6.14	ug/kg		BLOD			NA	30	
1,1-Dichloroethane	ND	6.14	ug/kg		BLOD			NA	30	
1,1-Dichloroethylene	ND	6.14	ug/kg		BLOD			NA	30	
1,1-Dichloropropene	ND	6.14	ug/kg		BLOD			NA	30	
1,2,3-Trichlorobenzene	ND	6.14	ug/kg		BLOD			NA	30	
1,2,3-Trichloropropane	ND	6.14	ug/kg		BLOD			NA	30	
1,2,4-Trichlorobenzene	ND	6.14	ug/kg		BLOD			NA	30	
1,2,4-Trimethylbenzene	ND	6.14	ug/kg		BLOD			NA	30	
1,2-Dibromo-3-chloropropane (DBCP)	ND	6.14	ug/kg		BLOD			NA	30	
1,2-Dibromoethane (EDB)	ND	6.14	ug/kg		BLOD			NA	30	
1,2-Dichlorobenzene	ND	6.14	ug/kg		BLOD			NA	30	
1,2-Dichloroethane	ND	6.14	ug/kg		BLOD			NA	30	

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0754 - SW5035-MS										
Duplicate (BGL0754-DUP1)	**Source: 23L0912-02**			Prepared & Analyzed: 12/18/2023						
1,2-Dichloropropane	ND	6.14	ug/kg		BLOD			NA	30	
1,3,5-Trimethylbenzene	ND	6.14	ug/kg		BLOD			NA	30	
1,3-Dichlorobenzene	ND	6.14	ug/kg		BLOD			NA	30	
1,3-Dichloropropane	ND	6.14	ug/kg		BLOD			NA	30	
1,4-Dichlorobenzene	ND	6.14	ug/kg		BLOD			NA	30	
2,2-Dichloropropane	ND	6.14	ug/kg		BLOD			NA	30	
2-Butanone (MEK)	ND	6.14	ug/kg		19.1			NA	30	
2-Chlorotoluene	ND	6.14	ug/kg		BLOD			NA	30	
2-Hexanone (MBK)	ND	6.14	ug/kg		BLOD			NA	30	
4-Chlorotoluene	ND	6.14	ug/kg		BLOD			NA	30	
4-Isopropyltoluene	ND	6.14	ug/kg		BLOD			NA	30	
4-Methyl-2-pentanone (MIBK)	ND	6.14	ug/kg		BLOD			NA	30	
Acetone	ND	12.3	ug/kg		374			NA	30	
Benzene	ND	6.14	ug/kg		BLOD			NA	30	
Bromobenzene	ND	6.14	ug/kg		BLOD			NA	30	
Bromochloromethane	ND	6.14	ug/kg		BLOD			NA	30	
Bromodichloromethane	ND	6.14	ug/kg		BLOD			NA	30	
Bromoform	ND	6.14	ug/kg		BLOD			NA	30	
Bromomethane	ND	6.14	ug/kg		BLOD			NA	30	
Carbon disulfide	ND	6.14	ug/kg		BLOD			NA	30	
Carbon tetrachloride	ND	6.14	ug/kg		BLOD			NA	30	
Chlorobenzene	ND	6.14	ug/kg		BLOD			NA	30	
Chloroethane	ND	6.14	ug/kg		BLOD			NA	30	
Chloroform	ND	6.14	ug/kg		BLOD			NA	30	
Chloromethane	ND	6.14	ug/kg		BLOD			NA	30	

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Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0754 - SW5035-MS										
Duplicate (BGL0754-DUP1)	**Source: 23L0912-02**			Prepared & Analyzed: 12/18/2023						
cis-1,2-Dichloroethylene	ND	6.14	ug/kg		BLOD			NA	30	
cis-1,3-Dichloropropene	ND	6.14	ug/kg		BLOD			NA	30	
Dibromochloromethane	ND	6.14	ug/kg		BLOD			NA	30	
Dibromomethane	ND	6.14	ug/kg		BLOD			NA	30	
Dichlorodifluoromethane	ND	6.14	ug/kg		BLOD			NA	30	
Di-isopropyl ether (DIPE)	ND	6.14	ug/kg		BLOD			NA	30	
Ethylbenzene	ND	6.14	ug/kg		BLOD			NA	30	
Hexachlorobutadiene	ND	6.14	ug/kg		BLOD			NA	30	
Iodomethane	ND	12.3	ug/kg		BLOD			NA	30	
Isopropylbenzene	ND	6.14	ug/kg		BLOD			NA	30	
m+p-Xylenes	ND	6.14	ug/kg		BLOD			NA	30	
Methylene chloride	ND	6.14	ug/kg		BLOD			NA	30	
Methyl-t-butyl ether (MTBE)	ND	6.14	ug/kg		BLOD			NA	30	
Naphthalene	ND	6.14	ug/kg		BLOD			NA	30	
n-Butylbenzene	ND	6.14	ug/kg		BLOD			NA	30	
n-Propylbenzene	ND	6.14	ug/kg		BLOD			NA	30	
o-Xylene	ND	6.14	ug/kg		BLOD			NA	30	
sec-Butylbenzene	ND	6.14	ug/kg		BLOD			NA	30	
Styrene	ND	6.14	ug/kg		BLOD			NA	30	
tert-Butylbenzene	ND	6.14	ug/kg		BLOD			NA	30	
Tetrachloroethylene (PCE)	ND	6.14	ug/kg		BLOD			NA	30	
Toluene	ND	6.14	ug/kg		BLOD			NA	30	
trans-1,2-Dichloroethylene	ND	6.14	ug/kg		BLOD			NA	30	
trans-1,3-Dichloropropene	ND	6.14	ug/kg		BLOD			NA	30	
Trichloroethylene	ND	6.14	ug/kg		BLOD			NA	30	

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0754 - SW5035-MS										
Duplicate (BGL0754-DUP1)	**Source: 23L0912-02**			Prepared & Analyzed: 12/18/2023						
Trichlorofluoromethane	ND	6.14	ug/kg		BLOD			NA	30	
Vinyl acetate	ND	12.3	ug/kg		BLOD			NA	30	
Vinyl chloride	ND	6.14	ug/kg		BLOD			NA	30	
Xylenes, Total	ND	18.4	ug/kg		BLOD			NA	30	
Tetrahydrofuran	ND	12.3	ug/kg		BLOD			NA	30	
Diethyl ether	ND	6.14	ug/kg		BLOD			NA	30	
Surr: 1,2-Dichloroethane-d4 (Surr)	*55.8*		ug/kg	*50.0*		*112*	*80-120*			
Surr: 4-Bromofluorobenzene (Surr)	*48.1*		ug/kg	*50.0*		*96.2*	*85-120*			
Surr: Dibromofluoromethane (Surr)	*53.6*		ug/kg	*50.0*		*107*	*80-130*			
Surr: Toluene-d8 (Surr)	*50.9*		ug/kg	*50.0*		*102*	*85-115*			
Batch BGL0851 - SW5030B-MS										
Blank (BGL0851-BLK1)				Prepared & Analyzed: 12/20/2023						
1,1,1,2-Tetrachloroethane	ND	0.40	ug/L							
1,1,1-Trichloroethane	ND	1.00	ug/L							
1,1,2,2-Tetrachloroethane	ND	0.40	ug/L							
1,1,2-Trichloroethane	ND	1.00	ug/L							
1,1-Dichloroethane	ND	1.00	ug/L							
1,1-Dichloroethylene	ND	1.00	ug/L							
1,1-Dichloropropene	ND	1.00	ug/L							
1,2,3-Trichlorobenzene	ND	1.00	ug/L							
1,2,3-Trichloropropane	ND	1.00	ug/L							
1,2,4-Trichlorobenzene	ND	1.00	ug/L							
1,2,4-Trimethylbenzene	ND	1.00	ug/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.00	ug/L							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0851 - SW5030B-MS										
Blank (BGL0851-BLK1)				Prepared & Analyzed: 12/20/2023						
1,2-Dibromoethane (EDB)	ND	1.00	ug/L							
1,2-Dichlorobenzene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	1.00	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
1,3,5-Trimethylbenzene	ND	1.00	ug/L							
1,3-Dichlorobenzene	ND	1.00	ug/L							
1,3-Dichloropropane	ND	1.00	ug/L							
1,4-Dichlorobenzene	ND	1.00	ug/L							
1,4-Dioxane	ND	80.0	ug/L							
2,2-Dichloropropane	ND	1.00	ug/L							
2-Butanone (MEK)	ND	10.0	ug/L							
2-Chloroethyl vinyl ether	ND	10.0	ug/L							
2-Chlorotoluene	ND	1.00	ug/L							
2-Hexanone (MBK)	ND	5.00	ug/L							
4-Chlorotoluene	ND	1.00	ug/L							
4-Isopropyltoluene	ND	1.00	ug/L							
4-Methyl-2-pentanone (MIBK)	ND	5.00	ug/L							
Acetone	ND	10.0	ug/L							
Acetonitrile	ND	10.0	ug/L							
Acrolein	ND	10.0	ug/L							
Acrylonitrile	ND	5.00	ug/L							
Allyl chloride	ND	1.00	ug/L							
Benzene	ND	1.00	ug/L							
Bromobenzene	ND	1.00	ug/L							
Bromochloromethane	ND	1.00	ug/L							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0851 - SW5030B-MS										
Blank (BGL0851-BLK1)				Prepared & Analyzed: 12/20/2023						
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	1.00	ug/L							
Bromomethane	ND	1.00	ug/L							
Carbon disulfide	ND	10.0	ug/L							
Carbon tetrachloride	ND	1.00	ug/L							
Chlorobenzene	ND	1.00	ug/L							
Chloroethane	ND	1.00	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.00	ug/L							
Chloroprene	ND	5.00	ug/L							
cis-1,2-Dichloroethylene	ND	1.00	ug/L							
cis-1,3-Dichloropropene	ND	1.00	ug/L							
Cyclohexane	ND	1.00	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dibromomethane	ND	1.00	ug/L							
Dichlorodifluoromethane	ND	1.00	ug/L							
Di-isopropyl ether (DIPE)	ND	5.00	ug/L							
Ethanol	ND	80.0	ug/L							
Ethyl methacrylate	ND	5.00	ug/L							
Ethylbenzene	ND	1.00	ug/L							
Ethyl-t-butyl ether (ETBE)	ND	25.0	ug/L							
Hexachlorobutadiene	ND	0.80	ug/L							
Iodomethane	ND	10.0	ug/L							
Isopropylbenzene	ND	1.00	ug/L							
m+p-Xylenes	ND	2.00	ug/L							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0851 - SW5030B-MS										
Blank (BGL0851-BLK1)				Prepared & Analyzed: 12/20/2023						
Methacrylonitrile	ND	1.50	ug/L							
Methyl acetate	ND	4.00	ug/L							
Methyl cyclohexane	ND	1.00	ug/L							
Methyl methacrylate	ND	2.00	ug/L							
Methylene chloride	ND	4.00	ug/L							
Methyl-t-butyl ether (MTBE)	ND	1.00	ug/L							
Naphthalene	ND	1.00	ug/L							
n-Butylbenzene	ND	1.00	ug/L							
n-Propylbenzene	ND	1.00	ug/L							
o-Xylene	ND	1.00	ug/L							
Pentachloroethane	ND	10.0	ug/L							
Propionitrile	ND	40.0	ug/L							
sec-Butylbenzene	ND	1.00	ug/L							
Styrene	ND	1.00	ug/L							
TAEE	ND	5.00	ug/L							
TAME	ND	5.00	ug/L							
TBA	ND	100	ug/L							
tert-Butylbenzene	ND	1.00	ug/L							
Tetrachloroethylene (PCE)	ND	1.00	ug/L							
Toluene	ND	1.00	ug/L							
trans-1,2-Dichloroethylene	ND	1.00	ug/L							
trans-1,3-Dichloropropene	ND	1.00	ug/L							
trans-1,4-Dichloro-2-butene	ND	4.00	ug/L							
Trichloroethylene	ND	1.00	ug/L							
Trichlorofluoromethane	ND	1.00	ug/L							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0851 - SW5030B-MS										
Blank (BGL0851-BLK1)				Prepared & Analyzed: 12/20/2023						
Vinyl acetate	ND	10.0	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Xylenes, Total	ND	3.00	ug/L							
Diethyl ether	ND	5.00	ug/L							
Surr: 1,2-Dichloroethane-d4 (Surr)	*44.2*		ug/L	*50.0*		*88.4*	*70-120*			
Surr: 4-Bromofluorobenzene (Surr)	*47.4*		ug/L	*50.0*		*94.7*	*75-120*			
Surr: Dibromofluoromethane (Surr)	*44.7*		ug/L	*50.0*		*89.4*	*70-130*			
Surr: Toluene-d8 (Surr)	*42.6*		ug/L	*50.0*		*85.1*	*70-130*			
LCS (BGL0851-BS1)				Prepared & Analyzed: 12/20/2023						
1,1,1,2-Tetrachloroethane	48.2	0.4	ug/L	50.0		96.5	80-130			
1,1,1-Trichloroethane	45.3	1	ug/L	50.0		90.6	65-130			
1,1,2,2-Tetrachloroethane	47.0	0.4	ug/L	50.0		94.0	65-130			
1,1,2-Trichloroethane	48.2	1	ug/L	50.0		96.5	75-125			
1,1-Dichloroethane	43.9	1	ug/L	50.0		87.8	70-135			
1,1-Dichloroethylene	56.1	1	ug/L	50.0		112	70-130			
1,1-Dichloropropene	49.0	1	ug/L	50.0		98.0	75-135			
1,2,3-Trichlorobenzene	46.6	1	ug/L	50.0		93.2	55-140			
1,2,3-Trichloropropane	45.4	1	ug/L	50.0		90.7	75-125			
1,2,4-Trichlorobenzene	46.7	1	ug/L	50.0		93.4	65-135			
1,2,4-Trimethylbenzene	47.8	1	ug/L	50.0		95.7	75-130			
1,2-Dibromo-3-chloropropane (DBCP)	40.5	1	ug/L	50.0		81.0	50-130			
1,2-Dibromoethane (EDB)	48.4	1	ug/L	50.0		96.7	80-120			
1,2-Dichlorobenzene	49.0	0.5	ug/L	50.0		97.9	70-120			
1,2-Dichloroethane	38.9	1	ug/L	50.0		77.8	70-130			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0851 - SW5030B-MS										
LCS (BGL0851-BS1)				Prepared & Analyzed: 12/20/2023						
1,2-Dichloropropane	45.9	0.5	ug/L	50.0		91.8	75-125			
1,3,5-Trimethylbenzene	46.4	1	ug/L	50.0		92.7	75-125			
1,3-Dichlorobenzene	47.9	1	ug/L	50.0		95.8	75-125			
1,3-Dichloropropane	45.2	1	ug/L	50.0		90.5	75-125			
1,4-Dichlorobenzene	47.7	1	ug/L	50.0		95.5	75-125			
2,2-Dichloropropane	46.8	1	ug/L	50.0		93.5	70-135			
2-Butanone (MEK)	39.3	10	ug/L	50.0		78.6	30-150			
2-Chlorotoluene	49.8	1	ug/L	50.0		99.6	75-125			
2-Hexanone (MBK)	43.7	5	ug/L	50.0		87.5	55-130			
4-Chlorotoluene	48.8	1	ug/L	50.0		97.5	75-130			
4-Isopropyltoluene	49.6	1	ug/L	50.0		99.3	75-130			
4-Methyl-2-pentanone (MIBK)	49.9	5	ug/L	50.0		99.8	60-135			
Acetone	51.8	10	ug/L	50.0		104	40-140			
Benzene	46.5	1	ug/L	50.0		93.0	80-120			
Bromobenzene	51.0	1	ug/L	50.0		102	75-125			
Bromochloromethane	42.6	1	ug/L	50.0		85.3	65-130			
Bromodichloromethane	47.8	0.5	ug/L	50.0		95.7	75-120			
Bromoform	47.0	1	ug/L	50.0		94.0	70-130			
Bromomethane	46.0	1	ug/L	50.0		92.1	30-145			
Carbon disulfide	67.6	10	ug/L	50.0		135	35-160			
Carbon tetrachloride	54.4	1	ug/L	50.0		109	65-140			
Chlorobenzene	51.4	1	ug/L	50.0		103	80-120			
Chloroethane	52.1	1	ug/L	50.0		104	60-135			
Chloroform	41.9	0.5	ug/L	50.0		83.8	65-135			
Chloromethane	44.3	1	ug/L	50.0		88.6	40-125			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0851 - SW5030B-MS										
LCS (BGL0851-BS1)				Prepared & Analyzed: 12/20/2023						
cis-1,2-Dichloroethylene	43.6	1	ug/L	50.0		87.1	70-125			
cis-1,3-Dichloropropene	57.3	1	ug/L	50.0		115	70-130			
Dibromochloromethane	48.5	0.5	ug/L	50.0		96.9	60-135			
Dibromomethane	45.0	1	ug/L	50.0		89.9	75-125			
Dichlorodifluoromethane	45.3	1	ug/L	50.0		90.6	30-155			
Ethylbenzene	51.2	1	ug/L	50.0		102	75-125			
Hexachlorobutadiene	52.3	0.8	ug/L	50.0		105	50-140			
Isopropylbenzene	49.3	1	ug/L	50.0		98.5	75-125			
m+p-Xylenes	105	2	ug/L	100		105	75-130			
Methylene chloride	54.1	4	ug/L	50.0		108	55-140			
Methyl-t-butyl ether (MTBE)	39.3	1	ug/L	50.0		78.7	65-125			
Naphthalene	44.7	1	ug/L	50.0		89.4	55-140			
n-Butylbenzene	48.3	1	ug/L	50.0		96.6	70-135			
n-Propylbenzene	49.8	1	ug/L	50.0		99.7	70-130			
o-Xylene	51.7	1	ug/L	50.0		103	80-120			
sec-Butylbenzene	51.0	1	ug/L	50.0		102	70-125			
Styrene	48.6	1	ug/L	50.0		97.2	65-135			
tert-Butylbenzene	49.1	1	ug/L	50.0		98.2	70-130			
Tetrachloroethylene (PCE)	60.4	1	ug/L	50.0		121	45-150			
Toluene	51.3	1	ug/L	50.0		103	75-120			
trans-1,2-Dichloroethylene	44.8	1	ug/L	50.0		89.6	60-140			
trans-1,3-Dichloropropene	48.2	1	ug/L	50.0		96.4	55-140			
Trichloroethylene	50.3	1	ug/L	50.0		101	70-125			
Trichlorofluoromethane	64.7	1	ug/L	50.0		129	60-145			
Vinyl chloride	53.3	0.5	ug/L	50.0		107	50-145			

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Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0851 - SW5030B-MS										
LCS (BGL0851-BS1)				Prepared & Analyzed: 12/20/2023						
Surr: 1,2-Dichloroethane-d4 (Surr)	*43.9*		ug/L	*50.0*		*87.7*	*70-120*			
Surr: 4-Bromofluorobenzene (Surr)	*49.2*		ug/L	*50.0*		*98.3*	*75-120*			
Surr: Dibromofluoromethane (Surr)	*45.0*		ug/L	*50.0*		*90.0*	*70-130*			
Surr: Toluene-d8 (Surr)	*47.5*		ug/L	*50.0*		*95.0*	*70-130*			
Duplicate (BGL0851-DUP1)	**Source: 23L1070-02**			Prepared & Analyzed: 12/20/2023						
1,1,1,2-Tetrachloroethane	ND	0.40	ug/L		BLOD			NA	30	
1,1,1-Trichloroethane	ND	1.00	ug/L		BLOD			NA	30	
1,1,2,2-Tetrachloroethane	ND	0.40	ug/L		BLOD			NA	30	
1,1,2-Trichloroethane	ND	1.00	ug/L		BLOD			NA	30	
1,1-Dichloroethane	ND	1.00	ug/L		BLOD			NA	30	
1,1-Dichloroethylene	ND	1.00	ug/L		BLOD			NA	30	
1,1-Dichloropropene	ND	1.00	ug/L		BLOD			NA	30	
1,2,3-Trichlorobenzene	ND	1.00	ug/L		BLOD			NA	30	
1,2,3-Trichloropropane	ND	1.00	ug/L		BLOD			NA	30	
1,2,4-Trichlorobenzene	ND	1.00	ug/L		BLOD			NA	30	
1,2,4-Trimethylbenzene	ND	1.00	ug/L		BLOD			NA	30	
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.00	ug/L		BLOD			NA	30	
1,2-Dibromoethane (EDB)	ND	1.00	ug/L		BLOD			NA	30	
1,2-Dichlorobenzene	ND	0.50	ug/L		BLOD			NA	30	
1,2-Dichloroethane	ND	1.00	ug/L		BLOD			NA	30	
1,2-Dichloropropane	ND	0.50	ug/L		BLOD			NA	30	
1,3,5-Trimethylbenzene	ND	1.00	ug/L		BLOD			NA	30	
1,3-Dichlorobenzene	ND	1.00	ug/L		BLOD			NA	30	
1,3-Dichloropropane	ND	1.00	ug/L		BLOD			NA	30	

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0851 - SW5030B-MS										
Duplicate (BGL0851-DUP1)	**Source: 23L1070-02**			Prepared & Analyzed: 12/20/2023						
1,4-Dichlorobenzene	ND	1.00	ug/L		BLOD			NA	30	
1,4-Dioxane	ND	80.0	ug/L		BLOD			NA	30	
2,2-Dichloropropane	ND	1.00	ug/L		BLOD			NA	30	
2-Butanone (MEK)	ND	10.0	ug/L		BLOD			NA	30	
2-Chloroethyl vinyl ether	ND	10.0	ug/L		BLOD			NA	30	
2-Chlorotoluene	ND	1.00	ug/L		BLOD			NA	30	
2-Hexanone (MBK)	ND	5.00	ug/L		BLOD			NA	30	
4-Chlorotoluene	ND	1.00	ug/L		BLOD			NA	30	
4-Isopropyltoluene	ND	1.00	ug/L		BLOD			NA	30	
4-Methyl-2-pentanone (MIBK)	ND	5.00	ug/L		BLOD			NA	30	
Acetone	ND	10.0	ug/L		BLOD			NA	30	
Acetonitrile	ND	10.0	ug/L		BLOD			NA	30	
Acrolein	ND	10.0	ug/L		BLOD			NA	30	
Acrylonitrile	ND	5.00	ug/L		BLOD			NA	30	
Allyl chloride	ND	1.00	ug/L		BLOD			NA	30	
Benzene	ND	1.00	ug/L		BLOD			NA	30	
Bromobenzene	ND	1.00	ug/L		BLOD			NA	30	
Bromochloromethane	ND	1.00	ug/L		BLOD			NA	30	
Bromodichloromethane	ND	0.50	ug/L		BLOD			NA	30	
Bromoform	ND	1.00	ug/L		BLOD			NA	30	
Bromomethane	ND	1.00	ug/L		BLOD			NA	30	
Carbon disulfide	ND	10.0	ug/L		BLOD			NA	30	
Carbon tetrachloride	ND	1.00	ug/L		BLOD			NA	30	
Chlorobenzene	ND	1.00	ug/L		BLOD			NA	30	
Chloroethane	ND	1.00	ug/L		BLOD			NA	30	

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0851 - SW5030B-MS										
Duplicate (BGL0851-DUP1)	**Source: 23L1070-02**			Prepared & Analyzed: 12/20/2023						
Chloroform	ND	0.50	ug/L		BLOD			NA	30	
Chloromethane	ND	1.00	ug/L		BLOD			NA	30	
Chloroprene	ND	5.00	ug/L		BLOD			NA	30	
cis-1,2-Dichloroethylene	6.93	1.00	ug/L		6.75			2.63	30	
cis-1,3-Dichloropropene	ND	1.00	ug/L		BLOD			NA	30	
Cyclohexane	ND	1.00	ug/L		BLOD			NA	30	
Dibromochloromethane	ND	0.50	ug/L		BLOD			NA	30	
Dibromomethane	ND	1.00	ug/L		BLOD			NA	30	
Dichlorodifluoromethane	ND	1.00	ug/L		BLOD			NA	30	
Di-isopropyl ether (DIPE)	ND	5.00	ug/L		BLOD			NA	30	
Ethanol	ND	80.0	ug/L		BLOD			NA	30	
Ethyl methacrylate	ND	5.00	ug/L		BLOD			NA	30	
Ethylbenzene	ND	1.00	ug/L		BLOD			NA	30	
Ethyl-t-butyl ether (ETBE)	ND	25.0	ug/L		BLOD			NA	30	
Hexachlorobutadiene	ND	0.80	ug/L		BLOD			NA	30	
Iodomethane	ND	10.0	ug/L		BLOD			NA	30	
Isopropylbenzene	ND	1.00	ug/L		BLOD			NA	30	
m+p-Xylenes	ND	2.00	ug/L		BLOD			NA	30	
Methacrylonitrile	ND	1.50	ug/L		BLOD			NA	30	
Methyl acetate	ND	4.00	ug/L		BLOD			NA	30	
Methyl cyclohexane	ND	1.00	ug/L		BLOD			NA	30	
Methyl methacrylate	ND	2.00	ug/L		BLOD			NA	30	
Methylene chloride	ND	4.00	ug/L		BLOD			NA	30	
Methyl-t-butyl ether (MTBE)	ND	1.00	ug/L		BLOD			NA	30	
Naphthalene	ND	1.00	ug/L		BLOD			NA	30	

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0851 - SW5030B-MS										
Duplicate (BGL0851-DUP1)	**Source: 23L1070-02**			Prepared & Analyzed: 12/20/2023						
n-Butylbenzene	ND	1.00	ug/L		BLOD			NA	30	
n-Propylbenzene	ND	1.00	ug/L		BLOD			NA	30	
o-Xylene	ND	1.00	ug/L		BLOD			NA	30	
Pentachloroethane	ND	10.0	ug/L		BLOD			NA	30	
Propionitrile	ND	40.0	ug/L		BLOD			NA	30	
sec-Butylbenzene	ND	1.00	ug/L		BLOD			NA	30	
Styrene	ND	1.00	ug/L		BLOD			NA	30	
TAEE	ND	5.00	ug/L		BLOD			NA	30	
TAME	ND	5.00	ug/L		BLOD			NA	30	
TBA	ND	100	ug/L		BLOD			NA	30	
tert-Butylbenzene	ND	1.00	ug/L		BLOD			NA	30	
Tetrachloroethylene (PCE)	ND	1.00	ug/L		BLOD			NA	30	
Toluene	ND	1.00	ug/L		BLOD			NA	30	
trans-1,2-Dichloroethylene	ND	1.00	ug/L		BLOD			NA	30	
trans-1,3-Dichloropropene	ND	1.00	ug/L		BLOD			NA	30	
trans-1,4-Dichloro-2-butene	ND	4.00	ug/L		BLOD			NA	30	
Trichloroethylene	6.48	1.00	ug/L		6.31			2.66	30	
Trichlorofluoromethane	ND	1.00	ug/L		BLOD			NA	30	
Vinyl acetate	ND	10.0	ug/L		BLOD			NA	30	
Vinyl chloride	ND	0.50	ug/L		BLOD			NA	30	
Xylenes, Total	ND	3.00	ug/L		BLOD			NA	30	
Tetrahydrofuran	ND	10.0	ug/L		BLOD			NA	30	
Diethyl ether	ND	5.00	ug/L		BLOD			NA	30	
Surr: 1,2-Dichloroethane-d4 (Surr)	*44.5*		ug/L	*50.0*		*89.0*	*70-120*			
Surr: 4-Bromofluorobenzene (Surr)	*48.4*		ug/L	*50.0*		*96.7*	*75-120*			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0851 - SW5030B-MS										
Duplicate (BGL0851-DUP1)	**Source: 23L1070-02**			Prepared & Analyzed: 12/20/2023						
Surr: Dibromofluoromethane (Surr)	*45.0*		ug/L	*50.0*		*89.9*	*70-130*			
Surr: Toluene-d8 (Surr)	*48.3*		ug/L	*50.0*		*96.7*	*70-130*			
Matrix Spike (BGL0851-MS1)	**Source: 23L1070-03**			Prepared & Analyzed: 12/20/2023						
1,1,1,2-Tetrachloroethane	48.3	0.4	ug/L	50.0	BLOD	96.7	80-130			
1,1,1-Trichloroethane	44.3	1	ug/L	50.0	BLOD	88.6	65-130			
1,1,2,2-Tetrachloroethane	48.2	0.4	ug/L	50.0	BLOD	96.3	65-130			
1,1,2-Trichloroethane	48.0	1	ug/L	50.0	BLOD	96.0	75-125			
1,1-Dichloroethane	43.1	1	ug/L	50.0	BLOD	86.2	70-135			
1,1-Dichloroethylene	54.6	1	ug/L	50.0	BLOD	109	50-145			
1,1-Dichloropropene	47.6	1	ug/L	50.0	BLOD	95.2	75-135			
1,2,3-Trichlorobenzene	45.2	1	ug/L	50.0	BLOD	90.4	55-140			
1,2,3-Trichloropropane	44.0	1	ug/L	50.0	BLOD	88.1	75-125			
1,2,4-Trichlorobenzene	45.4	1	ug/L	50.0	BLOD	90.8	65-135			
1,2,4-Trimethylbenzene	44.5	1	ug/L	50.0	BLOD	89.0	75-130			
1,2-Dibromo-3-chloropropane (DBCP)	42.4	1	ug/L	50.0	BLOD	84.8	50-130			
1,2-Dibromoethane (EDB)	47.4	1	ug/L	50.0	BLOD	94.9	80-120			
1,2-Dichlorobenzene	47.7	0.5	ug/L	50.0	BLOD	95.4	70-120			
1,2-Dichloroethane	38.5	1	ug/L	50.0	BLOD	77.1	70-130			
1,2-Dichloropropane	46.6	0.5	ug/L	50.0	BLOD	93.1	75-125			
1,3,5-Trimethylbenzene	43.4	1	ug/L	50.0	BLOD	86.9	75-124			
1,3-Dichlorobenzene	46.3	1	ug/L	50.0	BLOD	92.7	75-125			
1,3-Dichloropropane	45.3	1	ug/L	50.0	BLOD	90.6	75-125			
1,4-Dichlorobenzene	46.0	1	ug/L	50.0	BLOD	92.0	75-125			
2,2-Dichloropropane	46.0	1	ug/L	50.0	BLOD	92.1	70-135			

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0851 - SW5030B-MS										
Matrix Spike (BGL0851-MS1)	**Source: 23L1070-03**			Prepared & Analyzed: 12/20/2023						
2-Butanone (MEK)	42.3	10	ug/L	50.0	BLOD	84.6	30-150			
2-Chlorotoluene	48.1	1	ug/L	50.0	BLOD	96.1	75-125			
2-Hexanone (MBK)	38.1	5	ug/L	50.0	BLOD	76.2	55-130			
4-Chlorotoluene	46.5	1	ug/L	50.0	BLOD	92.9	75-130			
4-Isopropyltoluene	45.2	1	ug/L	50.0	BLOD	90.4	75-130			
4-Methyl-2-pentanone (MIBK)	44.5	5	ug/L	50.0	BLOD	89.1	60-135			
Acetone	48.9	10	ug/L	50.0	BLOD	97.8	40-140			
Benzene	46.9	1	ug/L	50.0	BLOD	93.7	80-120			
Bromobenzene	40.8	1	ug/L	50.0	BLOD	81.6	75-125			
Bromochloromethane	41.8	1	ug/L	50.0	BLOD	83.5	65-130			
Bromodichloromethane	47.0	0.5	ug/L	50.0	BLOD	94.1	75-136			
Bromoform	47.7	1	ug/L	50.0	BLOD	95.3	70-130			
Bromomethane	36.9	1	ug/L	50.0	BLOD	73.9	30-145			
Carbon disulfide	64.1	10	ug/L	50.0	BLOD	128	35-160			
Carbon tetrachloride	53.7	1	ug/L	50.0	BLOD	107	65-140			
Chlorobenzene	50.6	1	ug/L	50.0	BLOD	101	80-120			
Chloroethane	49.7	1	ug/L	50.0	BLOD	99.4	60-135			
Chloroform	41.2	0.5	ug/L	50.0	BLOD	82.3	65-135			
Chloromethane	34.8	1	ug/L	50.0	BLOD	69.7	40-125			
cis-1,2-Dichloroethylene	44.2	1	ug/L	50.0	1.33	85.7	70-125			
cis-1,3-Dichloropropene	47.4	1	ug/L	50.0	BLOD	94.8	47-136			
Dibromochloromethane	48.5	0.5	ug/L	50.0	BLOD	97.0	60-135			
Dibromomethane	44.6	1	ug/L	50.0	BLOD	89.1	75-125			
Dichlorodifluoromethane	41.4	1	ug/L	50.0	BLOD	82.8	30-155			
Ethylbenzene	49.9	1	ug/L	50.0	BLOD	99.8	75-125			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0851 - SW5030B-MS										
Matrix Spike (BGL0851-MS1)	**Source: 23L1070-03**			Prepared & Analyzed: 12/20/2023						
Hexachlorobutadiene	51.2	0.8	ug/L	50.0	BLOD	102	50-140			
Isopropylbenzene	37.5	1	ug/L	50.0	BLOD	75.1	75-125			
m+p-Xylenes	103	2	ug/L	100	BLOD	103	75-130			
Methylene chloride	52.4	4	ug/L	50.0	BLOD	105	55-140			
Methyl-t-butyl ether (MTBE)	38.6	1	ug/L	50.0	BLOD	77.2	65-125			
Naphthalene	44.5	1	ug/L	50.0	BLOD	89.0	55-140			
n-Butylbenzene	44.7	1	ug/L	50.0	BLOD	89.4	70-135			
n-Propylbenzene	47.2	1	ug/L	50.0	BLOD	94.4	70-130			
o-Xylene	49.9	1	ug/L	50.0	BLOD	99.8	80-120			
sec-Butylbenzene	48.2	1	ug/L	50.0	BLOD	96.3	70-125			
Styrene	48.4	1	ug/L	50.0	BLOD	96.9	65-135			
tert-Butylbenzene	45.6	1	ug/L	50.0	BLOD	91.3	70-130			
Tetrachloroethylene (PCE)	56.9	1	ug/L	50.0	BLOD	114	51-231			
Toluene	51.2	1	ug/L	50.0	BLOD	102	75-120			
trans-1,2-Dichloroethylene	44.4	1	ug/L	50.0	BLOD	88.8	60-140			
trans-1,3-Dichloropropene	48.1	1	ug/L	50.0	BLOD	96.2	55-140			
Trichloroethylene	51.7	1	ug/L	50.0	1.23	101	70-125			
Trichlorofluoromethane	62.3	1	ug/L	50.0	BLOD	125	60-145			
Vinyl chloride	40.3	0.5	ug/L	50.0	BLOD	80.6	50-145			
Surr: 1,2-Dichloroethane-d4 (Surr)	*42.4*		ug/L	*50.0*		*84.8*	*70-120*			
Surr: 4-Bromofluorobenzene (Surr)	*39.7*		ug/L	*50.0*		*79.4*	*75-120*			
Surr: Dibromofluoromethane (Surr)	*43.8*		ug/L	*50.0*		*87.5*	*70-130*			
Surr: Toluene-d8 (Surr)	*47.8*		ug/L	*50.0*		*95.7*	*70-130*			
Batch BGL0853 - SW5035-MS										

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0853 - SW5035-MS										
Blank (BGL0853-BLK1)				Prepared & Analyzed: 12/20/2023						
1,1,1,2-Tetrachloroethane	ND	5.00	ug/kg							
1,1,1-Trichloroethane	ND	5.00	ug/kg							
1,1,2,2-Tetrachloroethane	ND	5.00	ug/kg							
1,1,2-Trichloroethane	ND	5.00	ug/kg							
1,1-Dichloroethane	ND	5.00	ug/kg							
1,1-Dichloroethylene	ND	5.00	ug/kg							
1,1-Dichloropropene	ND	5.00	ug/kg							
1,2,3-Trichlorobenzene	ND	5.00	ug/kg							
1,2,3-Trichloropropane	ND	5.00	ug/kg							
1,2,4-Trichlorobenzene	ND	5.00	ug/kg							
1,2,4-Trimethylbenzene	ND	5.00	ug/kg							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.00	ug/kg							
1,2-Dibromoethane (EDB)	ND	5.00	ug/kg							
1,2-Dichlorobenzene	ND	5.00	ug/kg							
1,2-Dichloroethane	ND	5.00	ug/kg							
1,2-Dichloropropane	ND	5.00	ug/kg							
1,3,5-Trimethylbenzene	ND	5.00	ug/kg							
1,3-Dichlorobenzene	ND	5.00	ug/kg							
1,3-Dichloropropane	ND	5.00	ug/kg							
1,4-Dichlorobenzene	ND	5.00	ug/kg							
2,2-Dichloropropane	ND	5.00	ug/kg							
2-Butanone (MEK)	ND	5.00	ug/kg							
2-Chlorotoluene	ND	5.00	ug/kg							
2-Hexanone (MBK)	ND	5.00	ug/kg							
4-Chlorotoluene	ND	5.00	ug/kg							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0853 - SW5035-MS										
Blank (BGL0853-BLK1)				Prepared & Analyzed: 12/20/2023						
4-Isopropyltoluene	ND	5.00	ug/kg							
4-Methyl-2-pentanone (MIBK)	ND	5.00	ug/kg							
Acetone	ND	10.0	ug/kg							
Benzene	ND	5.00	ug/kg							
Bromobenzene	ND	5.00	ug/kg							
Bromochloromethane	ND	5.00	ug/kg							
Bromodichloromethane	ND	5.00	ug/kg							
Bromoform	ND	5.00	ug/kg							
Bromomethane	ND	5.00	ug/kg							
Carbon disulfide	ND	5.00	ug/kg							
Carbon tetrachloride	ND	5.00	ug/kg							
Chlorobenzene	ND	5.00	ug/kg							
Chloroethane	ND	5.00	ug/kg							
Chloroform	ND	5.00	ug/kg							
Chloromethane	ND	5.00	ug/kg							
cis-1,2-Dichloroethylene	ND	5.00	ug/kg							
cis-1,3-Dichloropropene	ND	5.00	ug/kg							
Dibromochloromethane	ND	5.00	ug/kg							
Dibromomethane	ND	5.00	ug/kg							
Dichlorodifluoromethane	ND	5.00	ug/kg							
Di-isopropyl ether (DIPE)	ND	5.00	ug/kg							
Ethylbenzene	ND	5.00	ug/kg							
Hexachlorobutadiene	ND	5.00	ug/kg							
Iodomethane	ND	10.0	ug/kg							
Isopropylbenzene	ND	5.00	ug/kg							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0853 - SW5035-MS										
Blank (BGL0853-BLK1)				Prepared & Analyzed: 12/20/2023						
m+p-Xylenes	ND	5.00	ug/kg							
Methylene chloride	ND	5.00	ug/kg							
Methyl-t-butyl ether (MTBE)	ND	5.00	ug/kg							
Naphthalene	ND	5.00	ug/kg							
n-Butylbenzene	ND	5.00	ug/kg							
n-Propylbenzene	ND	5.00	ug/kg							
o-Xylene	ND	5.00	ug/kg							
sec-Butylbenzene	ND	5.00	ug/kg							
Styrene	ND	5.00	ug/kg							
tert-Butylbenzene	ND	5.00	ug/kg							
Tetrachloroethylene (PCE)	ND	5.00	ug/kg							
Toluene	ND	5.00	ug/kg							
trans-1,2-Dichloroethylene	ND	5.00	ug/kg							
trans-1,3-Dichloropropene	ND	5.00	ug/kg							
Trichloroethylene	ND	5.00	ug/kg							
Trichlorofluoromethane	ND	5.00	ug/kg							
Vinyl acetate	ND	10.0	ug/kg							
Vinyl chloride	ND	5.00	ug/kg							
Xylenes, Total	ND	15.0	ug/kg							
Surr: 1,2-Dichloroethane-d4 (Surr)	*52.6*		ug/kg	*50.0*		*105*	*80-120*			
Surr: 4-Bromofluorobenzene (Surr)	*48.5*		ug/kg	*50.0*		*97.0*	*85-120*			
Surr: Dibromofluoromethane (Surr)	*53.8*		ug/kg	*50.0*		*108*	*80-130*			
Surr: Toluene-d8 (Surr)	*50.2*		ug/kg	*50.0*		*100*	*85-115*			
LCS (BGL0853-BS1)				Prepared & Analyzed: 12/20/2023						

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0853 - SW5035-MS										
LCS (BGL0853-BS1)				Prepared & Analyzed: 12/20/2023						
1,1,1,2-Tetrachloroethane	53.2	5	ug/kg	50.0		106	85-132			
1,1,1-Trichloroethane	57.2	5	ug/kg	50.0		114	70-135			
1,1,2,2-Tetrachloroethane	52.1	5	ug/kg	50.0		104	55-130			
1,1,2-Trichloroethane	54.1	5	ug/kg	50.0		108	60-125			
1,1-Dichloroethane	54.5	5	ug/kg	50.0		109	70-136			
1,1-Dichloroethylene	51.3	5	ug/kg	50.0		103	65-135			
1,1-Dichloropropene	58.6	5	ug/kg	50.0		117	70-135			
1,2,3-Trichlorobenzene	55.2	5	ug/kg	50.0		110	60-135			
1,2,3-Trichloropropane	50.0	5	ug/kg	50.0		100	65-130			
1,2,4-Trichlorobenzene	58.2	5	ug/kg	50.0		116	65-130			
1,2,4-Trimethylbenzene	60.3	5	ug/kg	50.0		121	65-135			
1,2-Dibromo-3-chloropropane (DBCP)	53.0	5	ug/kg	50.0		106	40-135			
1,2-Dibromoethane (EDB)	51.7	5	ug/kg	50.0		103	70-125			
1,2-Dichlorobenzene	56.3	5	ug/kg	50.0		113	75-120			
1,2-Dichloroethane	52.2	5	ug/kg	50.0		104	70-135			
1,2-Dichloropropane	53.8	5	ug/kg	50.0		108	70-120			
1,3,5-Trimethylbenzene	58.2	5	ug/kg	50.0		116	65-135			
1,3-Dichlorobenzene	55.6	5	ug/kg	50.0		111	70-125			
1,3-Dichloropropane	53.0	5	ug/kg	50.0		106	75-125			
1,4-Dichlorobenzene	55.8	5	ug/kg	50.0		112	70-125			
2,2-Dichloropropane	58.3	5	ug/kg	50.0		117	65-135			
2-Butanone (MEK)	52.3	5	ug/kg	50.0		105	30-160			
2-Chlorotoluene	53.5	5	ug/kg	50.0		107	70-130			
2-Hexanone (MBK)	47.2	5	ug/kg	50.0		94.5	45-145			
4-Chlorotoluene	55.9	5	ug/kg	50.0		112	75-125			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0853 - SW5035-MS										
LCS (BGL0853-BS1)				Prepared & Analyzed: 12/20/2023						
4-Isopropyltoluene	61.7	5	ug/kg	50.0		123	75-135			
4-Methyl-2-pentanone (MIBK)	52.4	5	ug/kg	50.0		105	45-145			
Acetone	47.3	10	ug/kg	50.0		94.7	20-160			
Benzene	54.3	5	ug/kg	50.0		109	75-125			
Bromobenzene	51.6	5	ug/kg	50.0		103	65-120			
Bromochloromethane	52.3	5	ug/kg	50.0		105	70-125			
Bromodichloromethane	56.1	5	ug/kg	50.0		112	70-130			
Bromoform	43.7	5	ug/kg	50.0		87.4	55-135			
Bromomethane	57.2	5	ug/kg	50.0		114	30-160			
Carbon disulfide	66.9	5	ug/kg	50.0		134	45-160			
Carbon tetrachloride	54.9	5	ug/kg	50.0		110	65-135			
Chlorobenzene	53.9	5	ug/kg	50.0		108	75-125			
Chloroethane	52.9	5	ug/kg	50.0		106	40-155			
Chloroform	52.1	5	ug/kg	50.0		104	70-125			
Chloromethane	46.9	5	ug/kg	50.0		93.8	50-130			
cis-1,2-Dichloroethylene	54.8	5	ug/kg	50.0		110	65-125			
cis-1,3-Dichloropropene	58.6	5	ug/kg	50.0		117	70-125			
Dibromochloromethane	46.6	5	ug/kg	50.0		93.2	65-130			
Dibromomethane	51.3	5	ug/kg	50.0		103	75-130			
Dichlorodifluoromethane	38.8	5	ug/kg	50.0		77.7	35-135			
Ethylbenzene	56.2	5	ug/kg	50.0		112	75-125			
Hexachlorobutadiene	54.9	5	ug/kg	50.0		110	55-140			
Isopropylbenzene	53.0	5	ug/kg	50.0		106	75-130			
m+p-Xylenes	107	5	ug/kg	100		107	80-125			
Methylene chloride	51.4	5	ug/kg	50.0		103	55-140			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0853 - SW5035-MS										
LCS (BGL0853-BS1)				Prepared & Analyzed: 12/20/2023						
Methyl-t-butyl ether (MTBE)	56.3	5	ug/kg	50.0		113	65-125			
Naphthalene	59.9	5	ug/kg	50.0		120	40-125			
n-Butylbenzene	62.8	5	ug/kg	50.0		126	65-140			
n-Propylbenzene	53.6	5	ug/kg	50.0		107	65-135			
o-Xylene	54.5	5	ug/kg	50.0		109	75-125			
sec-Butylbenzene	51.6	5	ug/kg	50.0		103	65-130			
Styrene	55.0	5	ug/kg	50.0		110	75-125			
tert-Butylbenzene	57.1	5	ug/kg	50.0		114	65-130			
Tetrachloroethylene (PCE)	51.5	5	ug/kg	50.0		103	48.1-219			
Toluene	55.2	5	ug/kg	50.0		110	70-125			
trans-1,2-Dichloroethylene	55.8	5	ug/kg	50.0		112	65-135			
trans-1,3-Dichloropropene	51.7	5	ug/kg	50.0		103	65-125			
Trichloroethylene	55.1	5	ug/kg	50.0		110	75-125			
Trichlorofluoromethane	52.4	5	ug/kg	50.0		105	25-185			
Vinyl chloride	54.9	5	ug/kg	50.0		110	60-125			
Surr: 1,2-Dichloroethane-d4 (Surr)	*51.5*		ug/kg	*50.0*		*103*	*80-120*			
Surr: 4-Bromofluorobenzene (Surr)	*49.5*		ug/kg	*50.0*		*98.9*	*85-120*			
Surr: Dibromofluoromethane (Surr)	*53.2*		ug/kg	*50.0*		*106*	*80-130*			
Surr: Toluene-d8 (Surr)	*51.0*		ug/kg	*50.0*		*102*	*85-115*			
Duplicate (BGL0853-DUP1)	**Source: 23L1137-01**			Prepared & Analyzed: 12/20/2023						
1,1,1,2-Tetrachloroethane	ND	5.69	ug/kg		BLOD			NA	30	
1,1,1-Trichloroethane	ND	5.69	ug/kg		BLOD			NA	30	
1,1,2,2-Tetrachloroethane	ND	5.69	ug/kg		BLOD			NA	30	
1,1,2-Trichloroethane	ND	5.69	ug/kg		BLOD			NA	30	

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0853 - SW5035-MS										
Duplicate (BGL0853-DUP1)	**Source: 23L1137-01**			Prepared & Analyzed: 12/20/2023						
1,1-Dichloroethane	ND	5.69	ug/kg		BLOD			NA	30	
1,1-Dichloroethylene	ND	5.69	ug/kg		BLOD			NA	30	
1,1-Dichloropropene	ND	5.69	ug/kg		BLOD			NA	30	
1,2,3-Trichlorobenzene	ND	5.69	ug/kg		BLOD			NA	30	
1,2,3-Trichloropropane	ND	5.69	ug/kg		BLOD			NA	30	
1,2,4-Trichlorobenzene	ND	5.69	ug/kg		BLOD			NA	30	
1,2,4-Trimethylbenzene	ND	5.69	ug/kg		BLOD			NA	30	
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.69	ug/kg		BLOD			NA	30	
1,2-Dibromoethane (EDB)	ND	5.69	ug/kg		BLOD			NA	30	
1,2-Dichlorobenzene	ND	5.69	ug/kg		BLOD			NA	30	
1,2-Dichloroethane	ND	5.69	ug/kg		BLOD			NA	30	
1,2-Dichloropropane	ND	5.69	ug/kg		BLOD			NA	30	
1,3,5-Trimethylbenzene	ND	5.69	ug/kg		BLOD			NA	30	
1,3-Dichlorobenzene	ND	5.69	ug/kg		BLOD			NA	30	
1,3-Dichloropropane	ND	5.69	ug/kg		BLOD			NA	30	
1,4-Dichlorobenzene	ND	5.69	ug/kg		BLOD			NA	30	
2,2-Dichloropropane	ND	5.69	ug/kg		BLOD			NA	30	
2-Butanone (MEK)	ND	5.69	ug/kg		BLOD			NA	30	
2-Chlorotoluene	ND	5.69	ug/kg		BLOD			NA	30	
2-Hexanone (MBK)	ND	5.69	ug/kg		BLOD			NA	30	
4-Chlorotoluene	ND	5.69	ug/kg		BLOD			NA	30	
4-Isopropyltoluene	ND	5.69	ug/kg		BLOD			NA	30	
4-Methyl-2-pentanone (MIBK)	ND	5.69	ug/kg		BLOD			NA	30	
Acetone	46.4	11.4	ug/kg		41.1			11.9	30	
Benzene	ND	5.69	ug/kg		BLOD			NA	30	

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0853 - SW5035-MS										
Duplicate (BGL0853-DUP1)	**Source: 23L1137-01**			Prepared & Analyzed: 12/20/2023						
Bromobenzene	ND	5.69	ug/kg		BLOD			NA	30	
Bromochloromethane	ND	5.69	ug/kg		BLOD			NA	30	
Bromodichloromethane	ND	5.69	ug/kg		BLOD			NA	30	
Bromoform	ND	5.69	ug/kg		BLOD			NA	30	
Bromomethane	ND	5.69	ug/kg		BLOD			NA	30	
Carbon disulfide	ND	5.69	ug/kg		BLOD			NA	30	
Carbon tetrachloride	ND	5.69	ug/kg		BLOD			NA	30	
Chlorobenzene	ND	5.69	ug/kg		BLOD			NA	30	
Chloroethane	ND	5.69	ug/kg		BLOD			NA	30	
Chloroform	ND	5.69	ug/kg		BLOD			NA	30	
Chloromethane	ND	5.69	ug/kg		BLOD			NA	30	
cis-1,2-Dichloroethylene	ND	5.69	ug/kg		BLOD			NA	30	
cis-1,3-Dichloropropene	ND	5.69	ug/kg		BLOD			NA	30	
Dibromochloromethane	ND	5.69	ug/kg		BLOD			NA	30	
Dibromomethane	ND	5.69	ug/kg		BLOD			NA	30	
Dichlorodifluoromethane	ND	5.69	ug/kg		BLOD			NA	30	
Di-isopropyl ether (DIPE)	ND	5.69	ug/kg		BLOD			NA	30	
Ethylbenzene	ND	5.69	ug/kg		BLOD			NA	30	
Hexachlorobutadiene	ND	5.69	ug/kg		BLOD			NA	30	
Iodomethane	ND	11.4	ug/kg		BLOD			NA	30	
Isopropylbenzene	ND	5.69	ug/kg		BLOD			NA	30	
m+p-Xylenes	ND	5.69	ug/kg		BLOD			NA	30	
Methylene chloride	ND	5.69	ug/kg		BLOD			NA	30	
Methyl-t-butyl ether (MTBE)	ND	5.69	ug/kg		BLOD			NA	30	
Naphthalene	ND	5.69	ug/kg		BLOD			NA	30	

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0853 - SW5035-MS										
Duplicate (BGL0853-DUP1)	**Source: 23L1137-01**			Prepared & Analyzed: 12/20/2023						
n-Butylbenzene	ND	5.69	ug/kg		BLOD			NA	30	
n-Propylbenzene	ND	5.69	ug/kg		BLOD			NA	30	
o-Xylene	ND	5.69	ug/kg		BLOD			NA	30	
sec-Butylbenzene	ND	5.69	ug/kg		BLOD			NA	30	
Styrene	ND	5.69	ug/kg		BLOD			NA	30	
tert-Butylbenzene	ND	5.69	ug/kg		BLOD			NA	30	
Tetrachloroethylene (PCE)	ND	5.69	ug/kg		BLOD			NA	30	
Toluene	ND	5.69	ug/kg		BLOD			NA	30	
trans-1,2-Dichloroethylene	ND	5.69	ug/kg		BLOD			NA	30	
trans-1,3-Dichloropropene	ND	5.69	ug/kg		BLOD			NA	30	
Trichloroethylene	ND	5.69	ug/kg		BLOD			NA	30	
Trichlorofluoromethane	ND	5.69	ug/kg		BLOD			NA	30	
Vinyl acetate	ND	11.4	ug/kg		BLOD			NA	30	
Vinyl chloride	ND	5.69	ug/kg		BLOD			NA	30	
Xylenes, Total	ND	17.1	ug/kg		BLOD			NA	30	
Tetrahydrofuran	ND	11.4	ug/kg		BLOD			NA	30	
Diethyl ether	ND	5.69	ug/kg		BLOD			NA	30	
Surr: 1,2-Dichloroethane-d4 (Surr)	*59.7*		ug/kg	*50.0*		*119*	*80-120*			
Surr: 4-Bromofluorobenzene (Surr)	*48.0*		ug/kg	*50.0*		*96.0*	*85-120*			
Surr: Dibromofluoromethane (Surr)	*54.3*		ug/kg	*50.0*		*109*	*80-130*			
Surr: Toluene-d8 (Surr)	*50.9*		ug/kg	*50.0*		*102*	*85-115*			
Batch BGL0919 - SW5035-MS										
Blank (BGL0919-BLK1)				Prepared & Analyzed: 12/21/2023						
1,1,1,2-Tetrachloroethane	ND	5.00	ug/kg							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0919 - SW5035-MS										
Blank (BGL0919-BLK1)				Prepared & Analyzed: 12/21/2023						
1,1,1-Trichloroethane	ND	5.00	ug/kg							
1,1,2,2-Tetrachloroethane	ND	5.00	ug/kg							
1,1,2-Trichloroethane	ND	5.00	ug/kg							
1,1-Dichloroethane	ND	5.00	ug/kg							
1,1-Dichloroethylene	ND	5.00	ug/kg							
1,1-Dichloropropene	ND	5.00	ug/kg							
1,2,3-Trichlorobenzene	ND	5.00	ug/kg							
1,2,3-Trichloropropane	ND	5.00	ug/kg							
1,2,4-Trichlorobenzene	ND	5.00	ug/kg							
1,2,4-Trimethylbenzene	ND	5.00	ug/kg							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.00	ug/kg							
1,2-Dibromoethane (EDB)	ND	5.00	ug/kg							
1,2-Dichlorobenzene	ND	5.00	ug/kg							
1,2-Dichloroethane	ND	5.00	ug/kg							
1,2-Dichloropropane	ND	5.00	ug/kg							
1,3,5-Trimethylbenzene	ND	5.00	ug/kg							
1,3-Dichlorobenzene	ND	5.00	ug/kg							
1,3-Dichloropropane	ND	5.00	ug/kg							
1,4-Dichlorobenzene	ND	5.00	ug/kg							
2,2-Dichloropropane	ND	5.00	ug/kg							
2-Butanone (MEK)	ND	5.00	ug/kg							
2-Chlorotoluene	ND	5.00	ug/kg							
2-Hexanone (MBK)	ND	5.00	ug/kg							
4-Chlorotoluene	ND	5.00	ug/kg							
4-Isopropyltoluene	ND	5.00	ug/kg							

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Batch BGL0919 - SW5035-MS										
Blank (BGL0919-BLK1)				Prepared & Analyzed: 12/21/2023						
4-Methyl-2-pentanone (MIBK)	ND	5.00	ug/kg							
Acetone	ND	10.0	ug/kg							
Benzene	ND	5.00	ug/kg							
Bromobenzene	ND	5.00	ug/kg							
Bromochloromethane	ND	5.00	ug/kg							
Bromodichloromethane	ND	5.00	ug/kg							
Bromoform	ND	5.00	ug/kg							
Bromomethane	ND	5.00	ug/kg							
Carbon disulfide	ND	5.00	ug/kg							
Carbon tetrachloride	ND	5.00	ug/kg							
Chlorobenzene	ND	5.00	ug/kg							
Chloroethane	ND	5.00	ug/kg							
Chloroform	ND	5.00	ug/kg							
Chloromethane	ND	5.00	ug/kg							
cis-1,2-Dichloroethylene	ND	5.00	ug/kg							
cis-1,3-Dichloropropene	ND	5.00	ug/kg							
Dibromochloromethane	ND	5.00	ug/kg							
Dibromomethane	ND	5.00	ug/kg							
Dichlorodifluoromethane	ND	5.00	ug/kg							
Di-isopropyl ether (DIPE)	ND	5.00	ug/kg							
Ethylbenzene	ND	5.00	ug/kg							
Hexachlorobutadiene	ND	5.00	ug/kg							
Iodomethane	ND	10.0	ug/kg							
Isopropylbenzene	ND	5.00	ug/kg							
m+p-Xylenes	ND	5.00	ug/kg							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0919 - SW5035-MS										
Blank (BGL0919-BLK1)				Prepared & Analyzed: 12/21/2023						
Methylene chloride	ND	5.00	ug/kg							
Methyl-t-butyl ether (MTBE)	ND	5.00	ug/kg							
Naphthalene	ND	5.00	ug/kg							
n-Butylbenzene	ND	5.00	ug/kg							
n-Propylbenzene	ND	5.00	ug/kg							
o-Xylene	ND	5.00	ug/kg							
sec-Butylbenzene	ND	5.00	ug/kg							
Styrene	ND	5.00	ug/kg							
tert-Butylbenzene	ND	5.00	ug/kg							
Tetrachloroethylene (PCE)	ND	5.00	ug/kg							
Toluene	ND	5.00	ug/kg							
trans-1,2-Dichloroethylene	ND	5.00	ug/kg							
trans-1,3-Dichloropropene	ND	5.00	ug/kg							
Trichloroethylene	ND	5.00	ug/kg							
Trichlorofluoromethane	ND	5.00	ug/kg							
Vinyl acetate	ND	10.0	ug/kg							
Vinyl chloride	ND	5.00	ug/kg							
Xylenes, Total	ND	15.0	ug/kg							
Surr: 1,2-Dichloroethane-d4 (Surr)	*51.4*		ug/kg	*50.0*		*103*	*80-120*			
Surr: 4-Bromofluorobenzene (Surr)	*48.2*		ug/kg	*50.0*		*96.5*	*85-120*			
Surr: Dibromofluoromethane (Surr)	*51.6*		ug/kg	*50.0*		*103*	*80-130*			
Surr: Toluene-d8 (Surr)	*50.1*		ug/kg	*50.0*		*100*	*85-115*			
LCS (BGL0919-BS1)				Prepared & Analyzed: 12/21/2023						
1,1,1,2-Tetrachloroethane	50.9	5	ug/kg	50.0		102	85-132			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0919 - SW5035-MS										
LCS (BGL0919-BS1)				Prepared & Analyzed: 12/21/2023						
1,1,1-Trichloroethane	53.4	5	ug/kg	50.0		107	70-135			
1,1,2,2-Tetrachloroethane	51.3	5	ug/kg	50.0		103	55-130			
1,1,2-Trichloroethane	52.9	5	ug/kg	50.0		106	60-125			
1,1-Dichloroethane	52.1	5	ug/kg	50.0		104	70-136			
1,1-Dichloroethylene	48.1	5	ug/kg	50.0		96.1	65-135			
1,1-Dichloropropene	54.6	5	ug/kg	50.0		109	70-135			
1,2,3-Trichlorobenzene	56.4	5	ug/kg	50.0		113	60-135			
1,2,3-Trichloropropane	49.0	5	ug/kg	50.0		98.0	65-130			
1,2,4-Trichlorobenzene	58.8	5	ug/kg	50.0		118	65-130			
1,2,4-Trimethylbenzene	59.2	5	ug/kg	50.0		118	65-135			
1,2-Dibromo-3-chloropropane (DBCP)	52.6	5	ug/kg	50.0		105	40-135			
1,2-Dibromoethane (EDB)	50.6	5	ug/kg	50.0		101	70-125			
1,2-Dichlorobenzene	55.9	5	ug/kg	50.0		112	75-120			
1,2-Dichloroethane	50.3	5	ug/kg	50.0		101	70-135			
1,2-Dichloropropane	52.4	5	ug/kg	50.0		105	70-120			
1,3,5-Trimethylbenzene	56.9	5	ug/kg	50.0		114	65-135			
1,3-Dichlorobenzene	55.0	5	ug/kg	50.0		110	70-125			
1,3-Dichloropropane	51.6	5	ug/kg	50.0		103	75-125			
1,4-Dichlorobenzene	55.3	5	ug/kg	50.0		111	70-125			
2,2-Dichloropropane	56.0	5	ug/kg	50.0		112	65-135			
2-Butanone (MEK)	53.3	5	ug/kg	50.0		107	30-160			
2-Chlorotoluene	51.8	5	ug/kg	50.0		104	70-130			
2-Hexanone (MBK)	42.4	5	ug/kg	50.0		84.8	45-145			
4-Chlorotoluene	54.0	5	ug/kg	50.0		108	75-125			
4-Isopropyltoluene	61.4	5	ug/kg	50.0		123	75-135			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0919 - SW5035-MS										
LCS (BGL0919-BS1)				Prepared & Analyzed: 12/21/2023						
4-Methyl-2-pentanone (MIBK)	48.5	5	ug/kg	50.0		97.1	45-145			
Acetone	46.3	10	ug/kg	50.0		92.6	20-160			
Benzene	51.8	5	ug/kg	50.0		104	75-125			
Bromobenzene	49.6	5	ug/kg	50.0		99.3	65-120			
Bromochloromethane	50.0	5	ug/kg	50.0		100	70-125			
Bromodichloromethane	53.6	5	ug/kg	50.0		107	70-130			
Bromoform	41.6	5	ug/kg	50.0		83.2	55-135			
Bromomethane	42.8	5	ug/kg	50.0		85.6	30-160			
Carbon disulfide	59.0	5	ug/kg	50.0		118	45-160			
Carbon tetrachloride	52.0	5	ug/kg	50.0		104	65-135			
Chlorobenzene	51.4	5	ug/kg	50.0		103	75-125			
Chloroethane	49.7	5	ug/kg	50.0		99.5	40-155			
Chloroform	48.8	5	ug/kg	50.0		97.7	70-125			
Chloromethane	45.3	5	ug/kg	50.0		90.6	50-130			
cis-1,2-Dichloroethylene	52.7	5	ug/kg	50.0		105	65-125			
cis-1,3-Dichloropropene	56.0	5	ug/kg	50.0		112	70-125			
Dibromochloromethane	45.9	5	ug/kg	50.0		91.9	65-130			
Dibromomethane	50.9	5	ug/kg	50.0		102	75-130			
Dichlorodifluoromethane	35.4	5	ug/kg	50.0		70.8	35-135			
Ethylbenzene	52.4	5	ug/kg	50.0		105	75-125			
Hexachlorobutadiene	53.9	5	ug/kg	50.0		108	55-140			
Isopropylbenzene	49.9	5	ug/kg	50.0		99.7	75-130			
m+p-Xylenes	100	5	ug/kg	100		100	80-125			
Methylene chloride	48.5	5	ug/kg	50.0		96.9	55-140			
Methyl-t-butyl ether (MTBE)	54.6	5	ug/kg	50.0		109	65-125			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0919 - SW5035-MS										
LCS (BGL0919-BS1)				Prepared & Analyzed: 12/21/2023						
Naphthalene	60.8	5	ug/kg	50.0		122	40-125			
n-Butylbenzene	61.5	5	ug/kg	50.0		123	65-140			
n-Propylbenzene	53.1	5	ug/kg	50.0		106	65-135			
o-Xylene	51.5	5	ug/kg	50.0		103	75-125			
sec-Butylbenzene	52.3	5	ug/kg	50.0		105	65-130			
Styrene	51.6	5	ug/kg	50.0		103	75-125			
tert-Butylbenzene	56.1	5	ug/kg	50.0		112	65-130			
Tetrachloroethylene (PCE)	49.1	5	ug/kg	50.0		98.2	48.1-219			
Toluene	53.0	5	ug/kg	50.0		106	70-125			
trans-1,2-Dichloroethylene	52.3	5	ug/kg	50.0		105	65-135			
trans-1,3-Dichloropropene	50.5	5	ug/kg	50.0		101	65-125			
Trichloroethylene	52.0	5	ug/kg	50.0		104	75-125			
Trichlorofluoromethane	55.3	5	ug/kg	50.0		111	25-185			
Vinyl chloride	49.3	5	ug/kg	50.0		98.7	60-125			
Surr: 1,2-Dichloroethane-d4 (Surr)	*52.8*		ug/kg	*50.0*		*106*	*80-120*			
Surr: 4-Bromofluorobenzene (Surr)	*48.2*		ug/kg	*50.0*		*96.5*	*85-120*			
Surr: Dibromofluoromethane (Surr)	*51.8*		ug/kg	*50.0*		*104*	*80-130*			
Surr: Toluene-d8 (Surr)	*50.9*		ug/kg	*50.0*		*102*	*85-115*			
Duplicate (BGL0919-DUP1)	**Source: 23L1228-01**			Prepared & Analyzed: 12/21/2023						
1,1,1,2-Tetrachloroethane	ND	5.20	ug/kg		BLOD			NA	30	
1,1,1-Trichloroethane	ND	5.20	ug/kg		BLOD			NA	30	
1,1,2,2-Tetrachloroethane	ND	5.20	ug/kg		BLOD			NA	30	
1,1,2-Trichloroethane	ND	5.20	ug/kg		BLOD			NA	30	
1,1-Dichloroethane	ND	5.20	ug/kg		BLOD			NA	30	

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0919 - SW5035-MS										
Duplicate (BGL0919-DUP1)		**Source: 23L1228-01**		Prepared & Analyzed: 12/21/2023						
1,1-Dichloroethylene	ND	5.20	ug/kg		BLOD			NA	30	
1,1-Dichloropropene	ND	5.20	ug/kg		BLOD			NA	30	
1,2,3-Trichlorobenzene	ND	5.20	ug/kg		BLOD			NA	30	
1,2,3-Trichloropropane	ND	5.20	ug/kg		BLOD			NA	30	
1,2,4-Trichlorobenzene	ND	5.20	ug/kg		BLOD			NA	30	
1,2,4-Trimethylbenzene	ND	5.20	ug/kg		BLOD			NA	30	
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.20	ug/kg		BLOD			NA	30	
1,2-Dibromoethane (EDB)	ND	5.20	ug/kg		BLOD			NA	30	
1,2-Dichlorobenzene	ND	5.20	ug/kg		BLOD			NA	30	
1,2-Dichloroethane	ND	5.20	ug/kg		BLOD			NA	30	
1,2-Dichloropropane	ND	5.20	ug/kg		BLOD			NA	30	
1,3,5-Trimethylbenzene	ND	5.20	ug/kg		BLOD			NA	30	
1,3-Dichlorobenzene	ND	5.20	ug/kg		BLOD			NA	30	
1,3-Dichloropropane	ND	5.20	ug/kg		BLOD			NA	30	
1,4-Dichlorobenzene	ND	5.20	ug/kg		BLOD			NA	30	
2,2-Dichloropropane	ND	5.20	ug/kg		BLOD			NA	30	
2-Butanone (MEK)	ND	5.20	ug/kg		BLOD			NA	30	
2-Chlorotoluene	ND	5.20	ug/kg		BLOD			NA	30	
2-Hexanone (MBK)	ND	5.20	ug/kg		BLOD			NA	30	
4-Chlorotoluene	ND	5.20	ug/kg		BLOD			NA	30	
4-Isopropyltoluene	ND	5.20	ug/kg		BLOD			NA	30	
4-Methyl-2-pentanone (MIBK)	ND	5.20	ug/kg		BLOD			NA	30	
Acetone	32.1	10.4	ug/kg		37.1			14.4	30	
Benzene	ND	5.20	ug/kg		BLOD			NA	30	
Bromobenzene	ND	5.20	ug/kg		BLOD			NA	30	

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0919 - SW5035-MS										
Duplicate (BGL0919-DUP1)	**Source: 23L1228-01**			Prepared & Analyzed: 12/21/2023						
Bromochloromethane	ND	5.20	ug/kg		BLOD			NA	30	
Bromodichloromethane	ND	5.20	ug/kg		BLOD			NA	30	
Bromoform	ND	5.20	ug/kg		BLOD			NA	30	
Bromomethane	ND	5.20	ug/kg		BLOD			NA	30	
Carbon disulfide	ND	5.20	ug/kg		BLOD			NA	30	
Carbon tetrachloride	ND	5.20	ug/kg		BLOD			NA	30	
Chlorobenzene	ND	5.20	ug/kg		BLOD			NA	30	
Chloroethane	ND	5.20	ug/kg		BLOD			NA	30	
Chloroform	ND	5.20	ug/kg		BLOD			NA	30	
Chloromethane	ND	5.20	ug/kg		BLOD			NA	30	
cis-1,2-Dichloroethylene	ND	5.20	ug/kg		BLOD			NA	30	
cis-1,3-Dichloropropene	ND	5.20	ug/kg		BLOD			NA	30	
Dibromochloromethane	ND	5.20	ug/kg		BLOD			NA	30	
Dibromomethane	ND	5.20	ug/kg		BLOD			NA	30	
Dichlorodifluoromethane	ND	5.20	ug/kg		BLOD			NA	30	
Di-isopropyl ether (DIPE)	ND	5.20	ug/kg		BLOD			NA	30	
Ethylbenzene	ND	5.20	ug/kg		BLOD			NA	30	
Hexachlorobutadiene	ND	5.20	ug/kg		BLOD			NA	30	
Iodomethane	ND	10.4	ug/kg		BLOD			NA	30	
Isopropylbenzene	ND	5.20	ug/kg		BLOD			NA	30	
m+p-Xylenes	ND	5.20	ug/kg		BLOD			NA	30	
Methylene chloride	ND	5.20	ug/kg		BLOD			NA	30	
Methyl-t-butyl ether (MTBE)	ND	5.20	ug/kg		BLOD			NA	30	
Naphthalene	ND	5.20	ug/kg		BLOD			NA	30	
n-Butylbenzene	ND	5.20	ug/kg		BLOD			NA	30	

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0919 - SW5035-MS										
Duplicate (BGL0919-DUP1)	**Source: 23L1228-01**			Prepared & Analyzed: 12/21/2023						
n-Propylbenzene	ND	5.20	ug/kg		BLOD			NA	30	
o-Xylene	ND	5.20	ug/kg		BLOD			NA	30	
sec-Butylbenzene	ND	5.20	ug/kg		BLOD			NA	30	
Styrene	ND	5.20	ug/kg		BLOD			NA	30	
tert-Butylbenzene	ND	5.20	ug/kg		BLOD			NA	30	
Tetrachloroethylene (PCE)	ND	5.20	ug/kg		BLOD			NA	30	
Toluene	ND	5.20	ug/kg		BLOD			NA	30	
trans-1,2-Dichloroethylene	ND	5.20	ug/kg		BLOD			NA	30	
trans-1,3-Dichloropropene	ND	5.20	ug/kg		BLOD			NA	30	
Trichloroethylene	ND	5.20	ug/kg		BLOD			NA	30	
Trichlorofluoromethane	ND	5.20	ug/kg		BLOD			NA	30	
Vinyl acetate	ND	10.4	ug/kg		BLOD			NA	30	
Vinyl chloride	ND	5.20	ug/kg		BLOD			NA	30	
Xylenes, Total	ND	15.6	ug/kg		BLOD			NA	30	
Tetrahydrofuran	ND	10.4	ug/kg		BLOD			NA	30	
Diethyl ether	ND	5.20	ug/kg		BLOD			NA	30	
Surr: 1,2-Dichloroethane-d4 (Surr)	*53.6*		ug/kg	*50.0*		*107*	*80-120*			
Surr: 4-Bromofluorobenzene (Surr)	*48.6*		ug/kg	*50.0*		*97.3*	*85-120*			
Surr: Dibromofluoromethane (Surr)	*51.4*		ug/kg	*50.0*		*103*	*80-130*			
Surr: Toluene-d8 (Surr)	*49.6*		ug/kg	*50.0*		*99.1*	*85-115*			
Batch BGL0921 - SW5030B-MS										
Blank (BGL0921-BLK1)				Prepared & Analyzed: 12/21/2023						
1,1,1,2-Tetrachloroethane	ND	0.40	ug/L							
1,1,1-Trichloroethane	ND	1.00	ug/L							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0921 - SW5030B-MS										
Blank (BGL0921-BLK1)				Prepared & Analyzed: 12/21/2023						
1,1,2,2-Tetrachloroethane	ND	0.40	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	10.0	ug/L							
1,1,2-Trichloroethane	ND	1.00	ug/L							
1,1-Dichloroethane	ND	1.00	ug/L							
1,1-Dichloroethylene	ND	1.00	ug/L							
1,1-Dichloropropene	ND	1.00	ug/L							
1,2,3-Trichlorobenzene	ND	1.00	ug/L							
1,2,3-Trichloropropane	ND	1.00	ug/L							
1,2,4-Trichlorobenzene	ND	1.00	ug/L							
1,2,4-Trimethylbenzene	ND	1.00	ug/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.00	ug/L							
1,2-Dibromoethane (EDB)	ND	1.00	ug/L							
1,2-Dichlorobenzene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	1.00	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
1,3,5-Trimethylbenzene	ND	1.00	ug/L							
1,3-Dichlorobenzene	ND	1.00	ug/L							
1,3-Dichloropropane	ND	1.00	ug/L							
1,4-Dichlorobenzene	ND	1.00	ug/L							
2,2-Dichloropropane	ND	1.00	ug/L							
2-Butanone (MEK)	ND	10.0	ug/L							
2-Chlorotoluene	ND	1.00	ug/L							
2-Hexanone (MBK)	ND	5.00	ug/L							
4-Chlorotoluene	ND	1.00	ug/L							
4-Isopropyltoluene	ND	1.00	ug/L							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0921 - SW5030B-MS										
Blank (BGL0921-BLK1)				Prepared & Analyzed: 12/21/2023						
4-Methyl-2-pentanone (MIBK)	ND	5.00	ug/L							
Acetone	ND	10.0	ug/L							
Benzene	ND	1.00	ug/L							
Bromobenzene	ND	1.00	ug/L							
Bromochloromethane	ND	1.00	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	1.00	ug/L							
Bromomethane	ND	1.00	ug/L							
Carbon disulfide	ND	10.0	ug/L							
Carbon tetrachloride	ND	1.00	ug/L							
Chlorobenzene	ND	1.00	ug/L							
Chloroethane	ND	1.00	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.00	ug/L							
cis-1,2-Dichloroethylene	ND	1.00	ug/L							
cis-1,3-Dichloropropene	ND	1.00	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dibromomethane	ND	1.00	ug/L							
Dichlorodifluoromethane	ND	1.00	ug/L							
Di-isopropyl ether (DIPE)	ND	5.00	ug/L							
Ethylbenzene	ND	1.00	ug/L							
Hexachlorobutadiene	ND	0.80	ug/L							
Iodomethane	ND	10.0	ug/L							
Isopropylbenzene	ND	1.00	ug/L							
m+p-Xylenes	ND	2.00	ug/L							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0921 - SW5030B-MS										
Blank (BGL0921-BLK1)				Prepared & Analyzed: 12/21/2023						
Methylene chloride	ND	4.00	ug/L							
Methyl-t-butyl ether (MTBE)	ND	1.00	ug/L							
Naphthalene	ND	1.00	ug/L							
n-Butylbenzene	ND	1.00	ug/L							
n-Propylbenzene	ND	1.00	ug/L							
o-Xylene	ND	1.00	ug/L							
sec-Butylbenzene	ND	1.00	ug/L							
Styrene	ND	1.00	ug/L							
tert-Butylbenzene	ND	1.00	ug/L							
Tetrachloroethylene (PCE)	ND	1.00	ug/L							
Toluene	ND	1.00	ug/L							
trans-1,2-Dichloroethylene	ND	1.00	ug/L							
trans-1,3-Dichloropropene	ND	1.00	ug/L							
Trichloroethylene	ND	1.00	ug/L							
Trichlorofluoromethane	ND	1.00	ug/L							
Vinyl acetate	ND	10.0	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Xylenes, Total	ND	3.00	ug/L							
Surr: 1,2-Dichloroethane-d4 (Surr)	*51.7*		ug/L	*50.0*		*103*	*70-120*			
Surr: 4-Bromofluorobenzene (Surr)	*53.8*		ug/L	*50.0*		*108*	*75-120*			
Surr: Dibromofluoromethane (Surr)	*51.8*		ug/L	*50.0*		*104*	*70-130*			
Surr: Toluene-d8 (Surr)	*51.1*		ug/L	*50.0*		*102*	*70-130*			
LCS (BGL0921-BS1)				Prepared & Analyzed: 12/21/2023						
1,1,1,2-Tetrachloroethane	49.1	0.4	ug/L	50.0		98.2	80-130			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0921 - SW5030B-MS										
LCS (BGL0921-BS1)				Prepared & Analyzed: 12/21/2023						
1,1,1-Trichloroethane	52.3	1	ug/L	50.0		105	65-130			
1,1,2,2-Tetrachloroethane	48.8	0.4	ug/L	50.0		97.7	65-130			
1,1,2-Trichloroethane	54.2	1	ug/L	50.0		108	75-125			
1,1-Dichloroethane	54.0	1	ug/L	50.0		108	70-135			
1,1-Dichloroethylene	55.4	1	ug/L	50.0		111	70-130			
1,1-Dichloropropene	55.4	1	ug/L	50.0		111	75-135			
1,2,3-Trichlorobenzene	50.9	1	ug/L	50.0		102	55-140			
1,2,3-Trichloropropane	45.8	1	ug/L	50.0		91.5	75-125			
1,2,4-Trichlorobenzene	47.3	1	ug/L	50.0		94.7	65-135			
1,2,4-Trimethylbenzene	50.7	1	ug/L	50.0		101	75-130			
1,2-Dibromo-3-chloropropane (DBCP)	37.6	1	ug/L	50.0		75.3	50-130			
1,2-Dibromoethane (EDB)	49.1	1	ug/L	50.0		98.3	80-120			
1,2-Dichlorobenzene	46.5	0.5	ug/L	50.0		93.1	70-120			
1,2-Dichloroethane	50.9	1	ug/L	50.0		102	70-130			
1,2-Dichloropropane	53.6	0.5	ug/L	50.0		107	75-125			
1,3,5-Trimethylbenzene	49.0	1	ug/L	50.0		97.9	75-125			
1,3-Dichlorobenzene	49.0	1	ug/L	50.0		97.9	75-125			
1,3-Dichloropropane	52.6	1	ug/L	50.0		105	75-125			
1,4-Dichlorobenzene	46.8	1	ug/L	50.0		93.6	75-125			
2,2-Dichloropropane	51.7	1	ug/L	50.0		103	70-135			
2-Butanone (MEK)	49.4	10	ug/L	50.0		98.9	30-150			
2-Chlorotoluene	49.0	1	ug/L	50.0		98.0	75-125			
2-Hexanone (MBK)	43.4	5	ug/L	50.0		86.9	55-130			
4-Chlorotoluene	49.9	1	ug/L	50.0		99.7	75-130			
4-Isopropyltoluene	49.5	1	ug/L	50.0		99.0	75-130			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0921 - SW5030B-MS										
LCS (BGL0921-BS1)				Prepared & Analyzed: 12/21/2023						
4-Methyl-2-pentanone (MIBK)	52.1	5	ug/L	50.0		104	60-135			
Acetone	39.7	10	ug/L	50.0		79.5	40-140			
Benzene	54.9	1	ug/L	50.0		110	80-120			
Bromobenzene	51.7	1	ug/L	50.0		103	75-125			
Bromochloromethane	54.0	1	ug/L	50.0		108	65-130			
Bromodichloromethane	52.8	0.5	ug/L	50.0		106	75-120			
Bromoform	52.2	1	ug/L	50.0		104	70-130			
Bromomethane	39.8	1	ug/L	50.0		79.5	30-145			
Carbon disulfide	56.9	10	ug/L	50.0		114	35-160			
Carbon tetrachloride	51.0	1	ug/L	50.0		102	65-140			
Chlorobenzene	49.9	1	ug/L	50.0		99.7	80-120			
Chloroethane	47.6	1	ug/L	50.0		95.2	60-135			
Chloroform	51.4	0.5	ug/L	50.0		103	65-135			
Chloromethane	52.1	1	ug/L	50.0		104	40-125			
cis-1,2-Dichloroethylene	55.7	1	ug/L	50.0		111	70-125			
cis-1,3-Dichloropropene	53.7	1	ug/L	50.0		107	70-130			
Dibromochloromethane	54.6	0.5	ug/L	50.0		109	60-135			
Dibromomethane	51.2	1	ug/L	50.0		102	75-125			
Dichlorodifluoromethane	63.8	1	ug/L	50.0		128	30-155			
Ethylbenzene	51.2	1	ug/L	50.0		102	75-125			
Hexachlorobutadiene	41.4	0.8	ug/L	50.0		82.8	50-140			
Isopropylbenzene	48.2	1	ug/L	50.0		96.4	75-125			
m+p-Xylenes	102	2	ug/L	100		102	75-130			
Methylene chloride	55.6	4	ug/L	50.0		111	55-140			
Methyl-t-butyl ether (MTBE)	52.2	1	ug/L	50.0		104	65-125			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0921 - SW5030B-MS										
LCS (BGL0921-BS1)				Prepared & Analyzed: 12/21/2023						
Naphthalene	48.0	1	ug/L	50.0		95.9	55-140			
n-Butylbenzene	47.6	1	ug/L	50.0		95.3	70-135			
n-Propylbenzene	50.0	1	ug/L	50.0		99.9	70-130			
o-Xylene	50.9	1	ug/L	50.0		102	80-120			
sec-Butylbenzene	51.1	1	ug/L	50.0		102	70-125			
Styrene	52.0	1	ug/L	50.0		104	65-135			
tert-Butylbenzene	48.8	1	ug/L	50.0		97.6	70-130			
Tetrachloroethylene (PCE)	43.9	1	ug/L	50.0		87.8	45-150			
Toluene	55.0	1	ug/L	50.0		110	75-120			
trans-1,2-Dichloroethylene	55.9	1	ug/L	50.0		112	60-140			
trans-1,3-Dichloropropene	56.9	1	ug/L	50.0		114	55-140			
Trichloroethylene	53.5	1	ug/L	50.0		107	70-125			
Trichlorofluoromethane	57.7	1	ug/L	50.0		115	60-145			
Vinyl chloride	50.4	0.5	ug/L	50.0		101	50-145			
Surr: 1,2-Dichloroethane-d4 (Surr)	*49.4*		ug/L	*50.0*		*98.8*	*70-120*			
Surr: 4-Bromofluorobenzene (Surr)	*52.0*		ug/L	*50.0*		*104*	*75-120*			
Surr: Dibromofluoromethane (Surr)	*50.1*		ug/L	*50.0*		*100*	*70-130*			
Surr: Toluene-d8 (Surr)	*51.2*		ug/L	*50.0*		*102*	*70-130*			
Matrix Spike (BGL0921-MS1)	**Source: 23L1231-01**			Prepared & Analyzed: 12/21/2023						
1,1,1,2-Tetrachloroethane	49.6	0.4	ug/L	50.0	BLOD	99.1	80-130			
1,1,1-Trichloroethane	56.2	1	ug/L	50.0	BLOD	112	65-130			
1,1,2,2-Tetrachloroethane	51.8	0.4	ug/L	50.0	BLOD	104	65-130			
1,1,2-Trichloroethane	56.9	1	ug/L	50.0	BLOD	114	75-125			
1,1-Dichloroethane	99.8	1	ug/L	50.0	64.9	69.8	70-135			*M*

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0921 - SW5030B-MS										
Matrix Spike (BGL0921-MS1)	**Source: 23L1231-01**			Prepared & Analyzed: 12/21/2023						
1,1-Dichloroethylene	202	1	ug/L	50.0	251	-98.5	50-145			*M*
1,1-Dichloropropene	59.6	1	ug/L	50.0	BLOD	119	75-135			
1,2,3-Trichlorobenzene	49.4	1	ug/L	50.0	BLOD	98.9	55-140			
1,2,3-Trichloropropane	48.4	1	ug/L	50.0	BLOD	96.8	75-125			
1,2,4-Trichlorobenzene	44.6	1	ug/L	50.0	BLOD	89.2	65-135			
1,2,4-Trimethylbenzene	49.1	1	ug/L	50.0	BLOD	98.1	75-130			
1,2-Dibromo-3-chloropropane (DBCP)	39.3	1	ug/L	50.0	BLOD	78.6	50-130			
1,2-Dibromoethane (EDB)	50.6	1	ug/L	50.0	BLOD	101	80-120			
1,2-Dichlorobenzene	47.1	0.5	ug/L	50.0	BLOD	94.2	70-120			
1,2-Dichloroethane	55.6	1	ug/L	50.0	BLOD	111	70-130			
1,2-Dichloropropane	55.1	0.5	ug/L	50.0	BLOD	110	75-125			
1,3,5-Trimethylbenzene	48.6	1	ug/L	50.0	BLOD	97.1	75-124			
1,3-Dichlorobenzene	48.6	1	ug/L	50.0	BLOD	97.2	75-125			
1,3-Dichloropropane	54.8	1	ug/L	50.0	BLOD	110	75-125			
1,4-Dichlorobenzene	46.4	1	ug/L	50.0	BLOD	92.9	75-125			
2,2-Dichloropropane	52.9	1	ug/L	50.0	BLOD	106	70-135			
2-Butanone (MEK)	51.0	10	ug/L	50.0	BLOD	102	30-150			
2-Chlorotoluene	48.9	1	ug/L	50.0	BLOD	97.8	75-125			
2-Hexanone (MBK)	47.5	5	ug/L	50.0	BLOD	95.1	55-130			
4-Chlorotoluene	48.7	1	ug/L	50.0	BLOD	97.5	75-130			
4-Isopropyltoluene	48.9	1	ug/L	50.0	BLOD	97.8	75-130			
4-Methyl-2-pentanone (MIBK)	56.1	5	ug/L	50.0	BLOD	112	60-135			
Acetone	49.1	10	ug/L	50.0	BLOD	86.8	40-140			
Benzene	57.0	1	ug/L	50.0	BLOD	114	80-120			
Bromobenzene	52.8	1	ug/L	50.0	BLOD	106	75-125			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0921 - SW5030B-MS										
Matrix Spike (BGL0921-MS1)	**Source: 23L1231-01**			Prepared & Analyzed: 12/21/2023						
Bromochloromethane	58.9	1	ug/L	50.0	BLOD	118	65-130			
Bromodichloromethane	53.8	0.5	ug/L	50.0	BLOD	108	75-136			
Bromoform	53.2	1	ug/L	50.0	BLOD	106	70-130			
Bromomethane	41.1	1	ug/L	50.0	BLOD	82.2	30-145			
Carbon disulfide	50.4	10	ug/L	50.0	BLOD	100	35-160			
Carbon tetrachloride	51.5	1	ug/L	50.0	BLOD	103	65-140			
Chlorobenzene	50.6	1	ug/L	50.0	BLOD	101	80-120			
Chloroethane	51.4	1	ug/L	50.0	BLOD	103	60-135			
Chloroform	55.7	0.5	ug/L	50.0	BLOD	111	65-135			
Chloromethane	54.8	1	ug/L	50.0	BLOD	110	40-125			
cis-1,2-Dichloroethylene	61.7	1	ug/L	50.0	2.78	118	70-125			
cis-1,3-Dichloropropene	53.3	1	ug/L	50.0	BLOD	107	47-136			
Dibromochloromethane	55.4	0.5	ug/L	50.0	BLOD	111	60-135			
Dibromomethane	53.4	1	ug/L	50.0	BLOD	107	75-125			
Dichlorodifluoromethane	83.8	1	ug/L	50.0	BLOD	168	30-155			*M*
Ethylbenzene	51.8	1	ug/L	50.0	BLOD	104	75-125			
Hexachlorobutadiene	42.2	0.8	ug/L	50.0	BLOD	84.4	50-140			
Isopropylbenzene	49.4	1	ug/L	50.0	BLOD	98.8	75-125			
m+p-Xylenes	103	2	ug/L	100	BLOD	103	75-130			
Methylene chloride	51.2	4	ug/L	50.0	BLOD	102	55-140			
Methyl-t-butyl ether (MTBE)	55.7	1	ug/L	50.0	BLOD	111	65-125			
Naphthalene	48.7	1	ug/L	50.0	BLOD	97.4	55-140			
n-Butylbenzene	46.4	1	ug/L	50.0	BLOD	92.9	70-135			
n-Propylbenzene	49.0	1	ug/L	50.0	BLOD	98.1	70-130			
o-Xylene	52.2	1	ug/L	50.0	0.76	103	80-120			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0921 - SW5030B-MS										
Matrix Spike (BGL0921-MS1)	**Source: 23L1231-01**			Prepared & Analyzed: 12/21/2023						
sec-Butylbenzene	51.3	1	ug/L	50.0	BLOD	103	70-125			
Styrene	52.2	1	ug/L	50.0	BLOD	104	65-135			
tert-Butylbenzene	49.0	1	ug/L	50.0	BLOD	98.1	70-130			
Tetrachloroethylene (PCE)	42.0	1	ug/L	50.0	BLOD	84.1	51-231			
Toluene	56.8	1	ug/L	50.0	BLOD	114	75-120			
trans-1,2-Dichloroethylene	59.4	1	ug/L	50.0	BLOD	119	60-140			
trans-1,3-Dichloropropene	56.8	1	ug/L	50.0	BLOD	114	55-140			
Trichloroethylene	54.9	1	ug/L	50.0	0.77	108	70-125			
Trichlorofluoromethane	62.8	1	ug/L	50.0	BLOD	126	60-145			
Vinyl chloride	52.2	0.5	ug/L	50.0	6.74	90.8	50-145			
Surr: 1,2-Dichloroethane-d4 (Surr)	*51.7*		ug/L	*50.0*		*103*	*70-120*			
Surr: 4-Bromofluorobenzene (Surr)	*51.9*		ug/L	*50.0*		*104*	*75-120*			
Surr: Dibromofluoromethane (Surr)	*52.8*		ug/L	*50.0*		*106*	*70-130*			
Surr: Toluene-d8 (Surr)	*51.2*		ug/L	*50.0*		*102*	*70-130*			
Matrix Spike Dup (BGL0921-MSD1)	**Source: 23L1231-01**			Prepared & Analyzed: 12/21/2023						
1,1,1,2-Tetrachloroethane	49.4	0.4	ug/L	50.0	BLOD	98.9	80-130	0.242	30	
1,1,1-Trichloroethane	55.4	1	ug/L	50.0	BLOD	111	65-130	1.45	30	
1,1,2,2-Tetrachloroethane	51.3	0.4	ug/L	50.0	BLOD	103	65-130	0.931	30	
1,1,2-Trichloroethane	56.4	1	ug/L	50.0	BLOD	113	75-125	0.883	30	
1,1-Dichloroethane	100	1	ug/L	50.0	64.9	71.1	70-135	0.679	30	
1,1-Dichloroethylene	213	1	ug/L	50.0	251	-76.8	50-145	5.23	30	*M*
1,1-Dichloropropene	58.5	1	ug/L	50.0	BLOD	117	75-135	1.91	30	
1,2,3-Trichlorobenzene	50.0	1	ug/L	50.0	BLOD	100	55-140	1.15	30	
1,2,3-Trichloropropane	47.8	1	ug/L	50.0	BLOD	95.6	75-125	1.25	30	

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0921 - SW5030B-MS										
Matrix Spike Dup (BGL0921-MSD1)	**Source: 23L1231-01**			Prepared & Analyzed: 12/21/2023						
1,2,4-Trichlorobenzene	44.7	1	ug/L	50.0	BLOD	89.3	65-135	0.112	30	
1,2,4-Trimethylbenzene	49.7	1	ug/L	50.0	BLOD	99.5	75-130	1.34	30	
1,2-Dibromo-3-chloropropane (DBCP)	39.8	1	ug/L	50.0	BLOD	79.6	50-130	1.34	30	
1,2-Dibromoethane (EDB)	49.9	1	ug/L	50.0	BLOD	99.8	80-120	1.31	30	
1,2-Dichlorobenzene	47.0	0.5	ug/L	50.0	BLOD	94.0	70-120	0.255	30	
1,2-Dichloroethane	54.0	1	ug/L	50.0	BLOD	108	70-130	2.92	30	
1,2-Dichloropropane	54.7	0.5	ug/L	50.0	BLOD	109	75-125	0.729	30	
1,3,5-Trimethylbenzene	48.2	1	ug/L	50.0	BLOD	96.4	75-124	0.703	30	
1,3-Dichlorobenzene	48.4	1	ug/L	50.0	BLOD	96.9	75-125	0.268	30	
1,3-Dichloropropane	54.5	1	ug/L	50.0	BLOD	109	75-125	0.494	30	
1,4-Dichlorobenzene	46.5	1	ug/L	50.0	BLOD	93.0	75-125	0.194	30	
2,2-Dichloropropane	52.0	1	ug/L	50.0	BLOD	104	70-135	1.73	30	
2-Butanone (MEK)	56.4	10	ug/L	50.0	BLOD	113	30-150	9.89	30	
2-Chlorotoluene	48.7	1	ug/L	50.0	BLOD	97.4	75-125	0.389	30	
2-Hexanone (MBK)	46.3	5	ug/L	50.0	BLOD	92.6	55-130	2.64	30	
4-Chlorotoluene	49.2	1	ug/L	50.0	BLOD	98.5	75-130	1.02	30	
4-Isopropyltoluene	49.2	1	ug/L	50.0	BLOD	98.3	75-130	0.489	30	
4-Methyl-2-pentanone (MIBK)	55.4	5	ug/L	50.0	BLOD	111	60-135	1.31	30	
Acetone	45.5	10	ug/L	50.0	BLOD	79.6	40-140	7.65	30	
Benzene	56.4	1	ug/L	50.0	BLOD	113	80-120	0.953	30	
Bromobenzene	52.0	1	ug/L	50.0	BLOD	104	75-125	1.60	30	
Bromochloromethane	57.1	1	ug/L	50.0	BLOD	114	65-130	3.08	30	
Bromodichloromethane	54.1	0.5	ug/L	50.0	BLOD	108	75-136	0.667	30	
Bromoform	52.9	1	ug/L	50.0	BLOD	106	70-130	0.546	30	
Bromomethane	40.4	1	ug/L	50.0	BLOD	80.7	30-145	1.84	30	

Enthalpy Analytical
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Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0921 - SW5030B-MS										
Matrix Spike Dup (BGL0921-MSD1)	**Source: 23L1231-01**			Prepared & Analyzed: 12/21/2023						
Carbon disulfide	50.7	10	ug/L	50.0	BLOD	100	35-160	0.475	30	
Carbon tetrachloride	51.8	1	ug/L	50.0	BLOD	104	65-140	0.426	30	
Chlorobenzene	49.9	1	ug/L	50.0	BLOD	99.8	80-120	1.33	30	
Chloroethane	50.2	1	ug/L	50.0	BLOD	100	60-135	2.40	30	
Chloroform	54.4	0.5	ug/L	50.0	BLOD	109	65-135	2.53	30	
Chloromethane	53.0	1	ug/L	50.0	BLOD	106	40-125	3.34	30	
cis-1,2-Dichloroethylene	60.8	1	ug/L	50.0	2.78	116	70-125	1.60	30	
cis-1,3-Dichloropropene	53.2	1	ug/L	50.0	BLOD	106	47-136	0.244	30	
Dibromochloromethane	55.6	0.5	ug/L	50.0	BLOD	111	60-135	0.469	30	
Dibromomethane	53.6	1	ug/L	50.0	BLOD	107	75-125	0.206	30	
Dichlorodifluoromethane	82.6	1	ug/L	50.0	BLOD	165	30-155	1.50	30	*M*
Ethylbenzene	51.4	1	ug/L	50.0	BLOD	103	75-125	0.794	30	
Hexachlorobutadiene	41.9	0.8	ug/L	50.0	BLOD	83.9	50-140	0.665	30	
Isopropylbenzene	49.0	1	ug/L	50.0	BLOD	98.1	75-125	0.711	30	
m+p-Xylenes	102	2	ug/L	100	BLOD	102	75-130	0.682	30	
Methylene chloride	52.9	4	ug/L	50.0	BLOD	106	55-140	3.21	30	
Methyl-t-butyl ether (MTBE)	54.2	1	ug/L	50.0	BLOD	108	65-125	2.84	30	
Naphthalene	48.5	1	ug/L	50.0	BLOD	97.1	55-140	0.329	30	
n-Butylbenzene	46.2	1	ug/L	50.0	BLOD	92.4	70-135	0.518	30	
n-Propylbenzene	49.0	1	ug/L	50.0	BLOD	98.0	70-130	0.122	30	
o-Xylene	51.8	1	ug/L	50.0	0.76	102	80-120	0.692	30	
sec-Butylbenzene	51.2	1	ug/L	50.0	BLOD	102	70-125	0.176	30	
Styrene	52.1	1	ug/L	50.0	BLOD	104	65-135	0.173	30	
tert-Butylbenzene	49.0	1	ug/L	50.0	BLOD	97.9	70-130	0.163	30	
Tetrachloroethylene (PCE)	41.5	1	ug/L	50.0	BLOD	83.0	51-231	1.27	30	

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Batch BGL0921 - SW5030B-MS										
Matrix Spike Dup (BGL0921-MSD1)	**Source: 23L1231-01**			Prepared & Analyzed: 12/21/2023						
Toluene	56.6	1	ug/L	50.0	BLOD	113	75-120	0.318	30	
trans-1,2-Dichloroethylene	58.2	1	ug/L	50.0	BLOD	116	60-140	2.08	30	
trans-1,3-Dichloropropene	56.6	1	ug/L	50.0	BLOD	113	55-140	0.317	30	
Trichloroethylene	54.9	1	ug/L	50.0	0.77	108	70-125	0.0182	30	
Trichlorofluoromethane	60.9	1	ug/L	50.0	BLOD	122	60-145	2.97	30	
Vinyl chloride	49.5	0.5	ug/L	50.0	6.74	85.6	50-145	5.17	30	
Surr: 1,2-Dichloroethane-d4 (Surr)	*50.8*		ug/L	*50.0*		*102*	*70-120*			
Surr: 4-Bromofluorobenzene (Surr)	*51.2*		ug/L	*50.0*		*102*	*75-120*			
Surr: Dibromofluoromethane (Surr)	*52.2*		ug/L	*50.0*		*104*	*70-130*			
Surr: Toluene-d8 (Surr)	*51.4*		ug/L	*50.0*		*103*	*70-130*			
Batch BGL0967 - SW5030B-MS										
Blank (BGL0967-BLK1)				Prepared & Analyzed: 12/22/2023						
1,1,1,2-Tetrachloroethane	ND	0.40	ug/L							
1,1,1-Trichloroethane	ND	1.00	ug/L							
1,1,2,2-Tetrachloroethane	ND	0.40	ug/L							
1,1,2-Trichloroethane	ND	1.00	ug/L							
1,1-Dichloroethane	ND	1.00	ug/L							
1,1-Dichloroethylene	ND	1.00	ug/L							
1,1-Dichloropropene	ND	1.00	ug/L							
1,2,3-Trichlorobenzene	ND	1.00	ug/L							
1,2,3-Trichloropropane	ND	1.00	ug/L							
1,2,4-Trichlorobenzene	ND	1.00	ug/L							
1,2,4-Trimethylbenzene	ND	1.00	ug/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.00	ug/L							

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Enthalpy Analytical

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Batch BGL0967 - SW5030B-MS										
Blank (BGL0967-BLK1)				Prepared & Analyzed: 12/22/2023						
1,2-Dibromoethane (EDB)	ND	1.00	ug/L							
1,2-Dichlorobenzene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	1.00	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
1,3,5-Trimethylbenzene	ND	1.00	ug/L							
1,3-Dichlorobenzene	ND	1.00	ug/L							
1,3-Dichloropropane	ND	1.00	ug/L							
1,4-Dichlorobenzene	ND	1.00	ug/L							
2,2-Dichloropropane	ND	1.00	ug/L							
2-Butanone (MEK)	ND	10.0	ug/L							
2-Chlorotoluene	ND	1.00	ug/L							
2-Hexanone (MBK)	ND	5.00	ug/L							
4-Chlorotoluene	ND	1.00	ug/L							
4-Isopropyltoluene	ND	1.00	ug/L							
4-Methyl-2-pentanone (MIBK)	ND	5.00	ug/L							
Acetone	ND	10.0	ug/L							
Benzene	ND	1.00	ug/L							
Bromobenzene	ND	1.00	ug/L							
Bromochloromethane	ND	1.00	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	1.00	ug/L							
Bromomethane	ND	1.00	ug/L							
Carbon disulfide	ND	10.0	ug/L							
Carbon tetrachloride	ND	1.00	ug/L							
Chlorobenzene	ND	1.00	ug/L							

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Batch BGL0967 - SW5030B-MS										
Blank (BGL0967-BLK1)				Prepared & Analyzed: 12/22/2023						
Chloroethane	ND	1.00	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.00	ug/L							
cis-1,2-Dichloroethylene	ND	1.00	ug/L							
cis-1,3-Dichloropropene	ND	1.00	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dibromomethane	ND	1.00	ug/L							
Dichlorodifluoromethane	ND	1.00	ug/L							
Di-isopropyl ether (DIPE)	ND	5.00	ug/L							
Ethanol	ND	80.0	ug/L							
Ethylbenzene	ND	1.00	ug/L							
Hexachlorobutadiene	ND	0.80	ug/L							
Iodomethane	ND	10.0	ug/L							
Isopropylbenzene	ND	1.00	ug/L							
m+p-Xylenes	ND	2.00	ug/L							
Methylene chloride	ND	4.00	ug/L							
Methyl-t-butyl ether (MTBE)	ND	1.00	ug/L							
Naphthalene	ND	1.00	ug/L							
n-Butylbenzene	ND	1.00	ug/L							
n-Propylbenzene	ND	1.00	ug/L							
o-Xylene	ND	1.00	ug/L							
sec-Butylbenzene	ND	1.00	ug/L							
Styrene	ND	1.00	ug/L							
tert-Butylbenzene	ND	1.00	ug/L							
Tetrachloroethylene (PCE)	ND	1.00	ug/L							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0967 - SW5030B-MS										
Blank (BGL0967-BLK1)				Prepared & Analyzed: 12/22/2023						
Toluene	ND	1.00	ug/L							
trans-1,2-Dichloroethylene	ND	1.00	ug/L							
trans-1,3-Dichloropropene	ND	1.00	ug/L							
Trichloroethylene	ND	1.00	ug/L							
Trichlorofluoromethane	ND	1.00	ug/L							
Vinyl acetate	ND	10.0	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Xylenes, Total	ND	3.00	ug/L							
Surr: 1,2-Dichloroethane-d4 (Surr)	*50.1*		ug/L	*50.0*		*100*	*70-120*			
Surr: 4-Bromofluorobenzene (Surr)	*54.2*		ug/L	*50.0*		*108*	*75-120*			
Surr: Dibromofluoromethane (Surr)	*50.9*		ug/L	*50.0*		*102*	*70-130*			
Surr: Toluene-d8 (Surr)	*51.7*		ug/L	*50.0*		*103*	*70-130*			
LCS (BGL0967-BS1)				Prepared & Analyzed: 12/22/2023						
1,1,1,2-Tetrachloroethane	49.4	0.4	ug/L	50.0		98.8	80-130			
1,1,1-Trichloroethane	54.4	1	ug/L	50.0		109	65-130			
1,1,2,2-Tetrachloroethane	49.8	0.4	ug/L	50.0		99.5	65-130			
1,1,2-Trichloroethane	54.6	1	ug/L	50.0		109	75-125			
1,1-Dichloroethane	56.3	1	ug/L	50.0		113	70-135			
1,1-Dichloroethylene	58.1	1	ug/L	50.0		116	70-130			
1,1-Dichloropropene	58.0	1	ug/L	50.0		116	75-135			
1,2,3-Trichlorobenzene	51.2	1	ug/L	50.0		102	55-140			
1,2,3-Trichloropropane	46.2	1	ug/L	50.0		92.4	75-125			
1,2,4-Trichlorobenzene	47.3	1	ug/L	50.0		94.7	65-135			
1,2,4-Trimethylbenzene	51.1	1	ug/L	50.0		102	75-130			

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0967 - SW5030B-MS										
LCS (BGL0967-BS1)				Prepared & Analyzed: 12/22/2023						
1,2-Dibromo-3-chloropropane (DBCP)	37.7	1	ug/L	50.0		75.4	50-130			
1,2-Dibromoethane (EDB)	49.5	1	ug/L	50.0		99.0	80-120			
1,2-Dichlorobenzene	47.0	0.5	ug/L	50.0		94.1	70-120			
1,2-Dichloroethane	52.7	1	ug/L	50.0		105	70-130			
1,2-Dichloropropane	54.2	0.5	ug/L	50.0		108	75-125			
1,3,5-Trimethylbenzene	49.5	1	ug/L	50.0		99.0	75-125			
1,3-Dichlorobenzene	49.5	1	ug/L	50.0		99.0	75-125			
1,3-Dichloropropane	53.2	1	ug/L	50.0		106	75-125			
1,4-Dichlorobenzene	48.0	1	ug/L	50.0		95.9	75-125			
2,2-Dichloropropane	53.9	1	ug/L	50.0		108	70-135			
2-Butanone (MEK)	52.9	10	ug/L	50.0		106	30-150			
2-Chlorotoluene	50.0	1	ug/L	50.0		100	75-125			
2-Hexanone (MBK)	43.9	5	ug/L	50.0		87.9	55-130			
4-Chlorotoluene	50.4	1	ug/L	50.0		101	75-130			
4-Isopropyltoluene	50.4	1	ug/L	50.0		101	75-130			
4-Methyl-2-pentanone (MIBK)	52.3	5	ug/L	50.0		105	60-135			
Acetone	41.0	10	ug/L	50.0		82.1	40-140			
Benzene	56.3	1	ug/L	50.0		113	80-120			
Bromobenzene	52.4	1	ug/L	50.0		105	75-125			
Bromochloromethane	55.7	1	ug/L	50.0		111	65-130			
Bromodichloromethane	53.3	0.5	ug/L	50.0		107	75-120			
Bromoform	52.1	1	ug/L	50.0		104	70-130			
Bromomethane	39.7	1	ug/L	50.0		79.4	30-145			
Carbon disulfide	58.2	10	ug/L	50.0		116	35-160			
Carbon tetrachloride	51.7	1	ug/L	50.0		103	65-140			

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0967 - SW5030B-MS										
LCS (BGL0967-BS1)				Prepared & Analyzed: 12/22/2023						
Chlorobenzene	50.4	1	ug/L	50.0		101	80-120			
Chloroethane	48.8	1	ug/L	50.0		97.5	60-135			
Chloroform	53.8	0.5	ug/L	50.0		108	65-135			
Chloromethane	52.7	1	ug/L	50.0		105	40-125			
cis-1,2-Dichloroethylene	58.2	1	ug/L	50.0		116	70-125			
cis-1,3-Dichloropropene	54.0	1	ug/L	50.0		108	70-130			
Dibromochloromethane	55.1	0.5	ug/L	50.0		110	60-135			
Dibromomethane	52.5	1	ug/L	50.0		105	75-125			
Dichlorodifluoromethane	65.1	1	ug/L	50.0		130	30-155			
Ethylbenzene	52.1	1	ug/L	50.0		104	75-125			
Hexachlorobutadiene	42.6	0.8	ug/L	50.0		85.2	50-140			
Isopropylbenzene	49.4	1	ug/L	50.0		98.8	75-125			
m+p-Xylenes	104	2	ug/L	100		104	75-130			
Methylene chloride	56.3	4	ug/L	50.0		113	55-140			
Methyl-t-butyl ether (MTBE)	53.8	1	ug/L	50.0		108	65-125			
Naphthalene	47.3	1	ug/L	50.0		94.6	55-140			
n-Butylbenzene	48.3	1	ug/L	50.0		96.7	70-135			
n-Propylbenzene	50.7	1	ug/L	50.0		101	70-130			
o-Xylene	51.7	1	ug/L	50.0		103	80-120			
sec-Butylbenzene	51.9	1	ug/L	50.0		104	70-125			
Styrene	52.9	1	ug/L	50.0		106	65-135			
tert-Butylbenzene	49.4	1	ug/L	50.0		98.8	70-130			
Tetrachloroethylene (PCE)	45.1	1	ug/L	50.0		90.3	45-150			
Toluene	56.6	1	ug/L	50.0		113	75-120			
trans-1,2-Dichloroethylene	57.9	1	ug/L	50.0		116	60-140			

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Batch BGL0967 - SW5030B-MS										
LCS (BGL0967-BS1)				Prepared & Analyzed: 12/22/2023						
trans-1,3-Dichloropropene	57.1	1	ug/L	50.0		114	55-140			
Trichloroethylene	54.9	1	ug/L	50.0		110	70-125			
Trichlorofluoromethane	60.6	1	ug/L	50.0		121	60-145			
Vinyl chloride	51.2	0.5	ug/L	50.0		102	50-145			
Surr: 1,2-Dichloroethane-d4 (Surr)	*49.8*		ug/L	*50.0*		*99.7*	*70-120*			
Surr: 4-Bromofluorobenzene (Surr)	*51.4*		ug/L	*50.0*		*103*	*75-120*			
Surr: Dibromofluoromethane (Surr)	*51.0*		ug/L	*50.0*		*102*	*70-130*			
Surr: Toluene-d8 (Surr)	*51.1*		ug/L	*50.0*		*102*	*70-130*			
Matrix Spike (BGL0967-MS1)	**Source: 23L1233-01**			Prepared & Analyzed: 12/22/2023						
1,1,1,2-Tetrachloroethane	50.0	0.4	ug/L	50.0	BLOD	100	80-130			
1,1,1-Trichloroethane	55.1	1	ug/L	50.0	BLOD	110	65-130			
1,1,2,2-Tetrachloroethane	50.2	0.4	ug/L	50.0	BLOD	100	65-130			
1,1,2-Trichloroethane	56.6	1	ug/L	50.0	BLOD	113	75-125			
1,1-Dichloroethane	56.7	1	ug/L	50.0	BLOD	112	70-135			
1,1-Dichloroethylene	58.6	1	ug/L	50.0	BLOD	117	50-145			
1,1-Dichloropropene	58.9	1	ug/L	50.0	BLOD	118	75-135			
1,2,3-Trichlorobenzene	52.6	1	ug/L	50.0	BLOD	105	55-140			
1,2,3-Trichloropropane	45.8	1	ug/L	50.0	BLOD	91.7	75-125			
1,2,4-Trichlorobenzene	49.2	1	ug/L	50.0	BLOD	98.4	65-135			
1,2,4-Trimethylbenzene	52.0	1	ug/L	50.0	0.45	103	75-130			
1,2-Dibromo-3-chloropropane (DBCP)	37.6	1	ug/L	50.0	BLOD	75.2	50-130			
1,2-Dibromoethane (EDB)	49.6	1	ug/L	50.0	BLOD	99.1	80-120			
1,2-Dichlorobenzene	48.0	0.5	ug/L	50.0	BLOD	96.1	70-120			
1,2-Dichloroethane	53.2	1	ug/L	50.0	BLOD	106	70-130			

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Batch BGL0967 - SW5030B-MS										
Matrix Spike (BGL0967-MS1)	**Source: 23L1233-01**			Prepared & Analyzed: 12/22/2023						
1,2-Dichloropropane	55.4	0.5	ug/L	50.0	BLOD	111	75-125			
1,3,5-Trimethylbenzene	50.5	1	ug/L	50.0	BLOD	101	75-124			
1,3-Dichlorobenzene	50.6	1	ug/L	50.0	BLOD	101	75-125			
1,3-Dichloropropane	54.6	1	ug/L	50.0	BLOD	109	75-125			
1,4-Dichlorobenzene	48.6	1	ug/L	50.0	BLOD	97.1	75-125			
2,2-Dichloropropane	53.9	1	ug/L	50.0	BLOD	108	70-135			
2-Butanone (MEK)	53.6	10	ug/L	50.0	BLOD	106	30-150			
2-Chlorotoluene	50.2	1	ug/L	50.0	BLOD	100	75-125			
2-Hexanone (MBK)	45.7	5	ug/L	50.0	BLOD	91.4	55-130			
4-Chlorotoluene	51.3	1	ug/L	50.0	BLOD	103	75-130			
4-Isopropyltoluene	50.8	1	ug/L	50.0	BLOD	102	75-130			
4-Methyl-2-pentanone (MIBK)	54.6	5	ug/L	50.0	BLOD	109	60-135			
Acetone	43.6	10	ug/L	50.0	BLOD	77.5	40-140			
Benzene	57.1	1	ug/L	50.0	BLOD	114	80-120			
Bromobenzene	53.0	1	ug/L	50.0	BLOD	106	75-125			
Bromochloromethane	56.8	1	ug/L	50.0	BLOD	114	65-130			
Bromodichloromethane	54.6	0.5	ug/L	50.0	BLOD	109	75-136			
Bromoform	52.7	1	ug/L	50.0	BLOD	105	70-130			
Bromomethane	38.1	1	ug/L	50.0	BLOD	76.3	30-145			
Carbon disulfide	54.5	10	ug/L	50.0	BLOD	109	35-160			
Carbon tetrachloride	52.2	1	ug/L	50.0	BLOD	104	65-140			
Chlorobenzene	50.9	1	ug/L	50.0	BLOD	102	80-120			
Chloroethane	47.0	1	ug/L	50.0	BLOD	94.1	60-135			
Chloroform	54.2	0.5	ug/L	50.0	BLOD	108	65-135			
Chloromethane	52.0	1	ug/L	50.0	BLOD	104	40-125			

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Client Site I.D.: Southside Park Landfill

Submitted To: Tom Raymond

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0967 - SW5030B-MS										
Matrix Spike (BGL0967-MS1)	**Source: 23L1233-01**			Prepared & Analyzed: 12/22/2023						
cis-1,2-Dichloroethylene	58.6	1	ug/L	50.0	BLOD	117	70-125			
cis-1,3-Dichloropropene	55.0	1	ug/L	50.0	BLOD	110	47-136			
Dibromochloromethane	56.0	0.5	ug/L	50.0	BLOD	112	60-135			
Dibromomethane	53.0	1	ug/L	50.0	BLOD	106	75-125			
Dichlorodifluoromethane	64.6	1	ug/L	50.0	BLOD	129	30-155			
Ethylbenzene	52.1	1	ug/L	50.0	BLOD	104	75-125			
Hexachlorobutadiene	43.4	0.8	ug/L	50.0	BLOD	86.8	50-140			
Isopropylbenzene	49.8	1	ug/L	50.0	BLOD	99.5	75-125			
m+p-Xylenes	105	2	ug/L	100	BLOD	105	75-130			
Methylene chloride	57.9	4	ug/L	50.0	BLOD	116	55-140			
Methyl-t-butyl ether (MTBE)	54.3	1	ug/L	50.0	BLOD	109	65-125			
Naphthalene	49.0	1	ug/L	50.0	BLOD	98.0	55-140			
n-Butylbenzene	48.8	1	ug/L	50.0	BLOD	97.6	70-135			
n-Propylbenzene	50.6	1	ug/L	50.0	BLOD	101	70-130			
o-Xylene	52.2	1	ug/L	50.0	BLOD	104	80-120			
sec-Butylbenzene	52.5	1	ug/L	50.0	BLOD	105	70-125			
Styrene	53.0	1	ug/L	50.0	BLOD	106	65-135			
tert-Butylbenzene	50.2	1	ug/L	50.0	BLOD	100	70-130			
Tetrachloroethylene (PCE)	42.7	1	ug/L	50.0	BLOD	85.4	51-231			
Toluene	57.4	1	ug/L	50.0	BLOD	115	75-120			
trans-1,2-Dichloroethylene	58.7	1	ug/L	50.0	BLOD	117	60-140			
trans-1,3-Dichloropropene	58.4	1	ug/L	50.0	BLOD	117	55-140			
Trichloroethylene	55.0	1	ug/L	50.0	BLOD	110	70-125			
Trichlorofluoromethane	60.1	1	ug/L	50.0	BLOD	120	60-145			
Vinyl chloride	42.0	0.5	ug/L	50.0	BLOD	83.9	50-145			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0967 - SW5030B-MS										
Matrix Spike (BGL0967-MS1)	**Source: 23L1233-01**			Prepared & Analyzed: 12/22/2023						
Surr: 1,2-Dichloroethane-d4 (Surr)	*49.9*		ug/L	*50.0*		*99.8*	*70-120*			
Surr: 4-Bromofluorobenzene (Surr)	*50.9*		ug/L	*50.0*		*102*	*75-120*			
Surr: Dibromofluoromethane (Surr)	*50.9*		ug/L	*50.0*		*102*	*70-130*			
Surr: Toluene-d8 (Surr)	*51.3*		ug/L	*50.0*		*103*	*70-130*			
Matrix Spike Dup (BGL0967-MSD1)	**Source: 23L1233-01**			Prepared & Analyzed: 12/22/2023						
1,1,1,2-Tetrachloroethane	50.9	0.4	ug/L	50.0	BLOD	102	80-130	1.72	30	
1,1,1-Trichloroethane	55.4	1	ug/L	50.0	BLOD	111	65-130	0.634	30	
1,1,2,2-Tetrachloroethane	51.4	0.4	ug/L	50.0	BLOD	103	65-130	2.36	30	
1,1,2-Trichloroethane	57.2	1	ug/L	50.0	BLOD	114	75-125	1.14	30	
1,1-Dichloroethane	57.4	1	ug/L	50.0	BLOD	114	70-135	1.38	30	
1,1-Dichloroethylene	59.1	1	ug/L	50.0	BLOD	118	50-145	0.782	30	
1,1-Dichloropropene	59.2	1	ug/L	50.0	BLOD	118	75-135	0.593	30	
1,2,3-Trichlorobenzene	53.5	1	ug/L	50.0	BLOD	107	55-140	1.68	30	
1,2,3-Trichloropropane	47.3	1	ug/L	50.0	BLOD	94.5	75-125	3.07	30	
1,2,4-Trichlorobenzene	48.7	1	ug/L	50.0	BLOD	97.4	65-135	0.981	30	
1,2,4-Trimethylbenzene	52.7	1	ug/L	50.0	0.45	104	75-130	1.36	30	
1,2-Dibromo-3-chloropropane (DBCP)	39.0	1	ug/L	50.0	BLOD	77.9	50-130	3.53	30	
1,2-Dibromoethane (EDB)	50.8	1	ug/L	50.0	BLOD	102	80-120	2.55	30	
1,2-Dichlorobenzene	48.5	0.5	ug/L	50.0	BLOD	97.0	70-120	0.974	30	
1,2-Dichloroethane	53.6	1	ug/L	50.0	BLOD	107	70-130	0.824	30	
1,2-Dichloropropane	56.0	0.5	ug/L	50.0	BLOD	112	75-125	1.18	30	
1,3,5-Trimethylbenzene	50.7	1	ug/L	50.0	BLOD	101	75-124	0.474	30	
1,3-Dichlorobenzene	50.5	1	ug/L	50.0	BLOD	101	75-125	0.198	30	
1,3-Dichloropropane	55.5	1	ug/L	50.0	BLOD	111	75-125	1.78	30	

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0967 - SW5030B-MS										
Matrix Spike Dup (BGL0967-MSD1)	**Source: 23L1233-01**			Prepared & Analyzed: 12/22/2023						
1,4-Dichlorobenzene	48.6	1	ug/L	50.0	BLOD	97.1	75-125	0.0412	30	
2,2-Dichloropropane	54.2	1	ug/L	50.0	BLOD	108	70-135	0.537	30	
2-Butanone (MEK)	55.6	10	ug/L	50.0	BLOD	110	30-150		30	
2-Chlorotoluene	50.8	1	ug/L	50.0	BLOD	102	75-125	1.19	30	
2-Hexanone (MBK)	46.6	5	ug/L	50.0	BLOD	93.2	55-130	1.95	30	
4-Chlorotoluene	51.5	1	ug/L	50.0	BLOD	103	75-130	0.369	30	
4-Isopropyltoluene	51.4	1	ug/L	50.0	BLOD	103	75-130	1.21	30	
4-Methyl-2-pentanone (MIBK)	55.9	5	ug/L	50.0	BLOD	112	60-135	2.34	30	
Acetone	43.8	10	ug/L	50.0	BLOD	77.9	40-140		30	
Benzene	57.8	1	ug/L	50.0	BLOD	116	80-120	1.23	30	
Bromobenzene	54.2	1	ug/L	50.0	BLOD	108	75-125	2.41	30	
Bromochloromethane	57.7	1	ug/L	50.0	BLOD	115	65-130	1.48	30	
Bromodichloromethane	55.2	0.5	ug/L	50.0	BLOD	110	75-136	1.15	30	
Bromoform	54.3	1	ug/L	50.0	BLOD	109	70-130	2.94	30	
Bromomethane	40.0	1	ug/L	50.0	BLOD	80.0	30-145	4.79	30	
Carbon disulfide	53.0	10	ug/L	50.0	BLOD	106	35-160		30	
Carbon tetrachloride	52.9	1	ug/L	50.0	BLOD	106	65-140	1.29	30	
Chlorobenzene	51.6	1	ug/L	50.0	BLOD	103	80-120	1.40	30	
Chloroethane	49.5	1	ug/L	50.0	BLOD	98.9	60-135	5.04	30	
Chloroform	54.6	0.5	ug/L	50.0	BLOD	109	65-135	0.901	30	
Chloromethane	52.0	1	ug/L	50.0	BLOD	104	40-125	0.135	30	
cis-1,2-Dichloroethylene	59.2	1	ug/L	50.0	BLOD	118	70-125	1.00	30	
cis-1,3-Dichloropropene	55.7	1	ug/L	50.0	BLOD	111	47-136	1.41	30	
Dibromochloromethane	57.4	0.5	ug/L	50.0	BLOD	115	60-135	2.38	30	
Dibromomethane	53.9	1	ug/L	50.0	BLOD	108	75-125	1.61	30	

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Volatile Organic Compounds by GCMS - Quality Control

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0967 - SW5030B-MS										
Matrix Spike Dup (BGL0967-MSD1)	**Source: 23L1233-01**			Prepared & Analyzed: 12/22/2023						
Dichlorodifluoromethane	65.3	1	ug/L	50.0	BLOD	131	30-155	0.985	30	
Ethylbenzene	53.2	1	ug/L	50.0	BLOD	106	75-125	2.05	30	
Hexachlorobutadiene	43.6	0.8	ug/L	50.0	BLOD	87.2	50-140	0.506	30	
Isopropylbenzene	50.5	1	ug/L	50.0	BLOD	101	75-125	1.44	30	
m+p-Xylenes	106	2	ug/L	100	BLOD	106	75-130	1.37	30	
Methylene chloride	58.9	4	ug/L	50.0	BLOD	118	55-140		30	
Methyl-t-butyl ether (MTBE)	54.9	1	ug/L	50.0	BLOD	110	65-125	1.10	30	
Naphthalene	49.7	1	ug/L	50.0	BLOD	99.3	55-140	1.30	30	
n-Butylbenzene	49.4	1	ug/L	50.0	BLOD	98.8	70-135	1.22	30	
n-Propylbenzene	51.6	1	ug/L	50.0	BLOD	103	70-130	1.99	30	
o-Xylene	53.6	1	ug/L	50.0	BLOD	107	80-120	2.76	30	
sec-Butylbenzene	52.9	1	ug/L	50.0	BLOD	106	70-125	0.683	30	
Styrene	53.7	1	ug/L	50.0	BLOD	107	65-135	1.35	30	
tert-Butylbenzene	50.9	1	ug/L	50.0	BLOD	102	70-130	1.46	30	
Tetrachloroethylene (PCE)	43.5	1	ug/L	50.0	BLOD	87.0	51-231	1.90	30	
Toluene	58.1	1	ug/L	50.0	BLOD	116	75-120	1.13	30	
trans-1,2-Dichloroethylene	59.0	1	ug/L	50.0	BLOD	118	60-140	0.493	30	
trans-1,3-Dichloropropene	59.5	1	ug/L	50.0	BLOD	119	55-140	1.87	30	
Trichloroethylene	56.1	1	ug/L	50.0	BLOD	112	70-125	1.93	30	
Trichlorofluoromethane	61.5	1	ug/L	50.0	BLOD	123	60-145	2.25	30	
Vinyl chloride	50.3	0.5	ug/L	50.0	BLOD	101	50-145	18.1	30	
Surr: 1,2-Dichloroethane-d4 (Surr)	*49.7*		ug/L	*50.0*		*99.5*	*70-120*			
Surr: 4-Bromofluorobenzene (Surr)	*51.3*		ug/L	*50.0*		*103*	*75-120*			
Surr: Dibromofluoromethane (Surr)	*50.4*		ug/L	*50.0*		*101*	*70-130*			
Surr: Toluene-d8 (Surr)	*51.0*		ug/L	*50.0*		*102*	*70-130*			

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0967 - SW5030B-MS										
Matrix Spike Dup (BGL0967-MSD1)	**Source: 23L1233-01**			Prepared & Analyzed: 12/22/2023						
Batch BGL0969 - SW5035-MS										
Blank (BGL0969-BLK1)				Prepared & Analyzed: 12/22/2023						
1,1,1,2-Tetrachloroethane	ND	5.00	ug/kg							
1,1,1-Trichloroethane	ND	5.00	ug/kg							
1,1,2,2-Tetrachloroethane	ND	5.00	ug/kg							
1,1,2-Trichloroethane	ND	5.00	ug/kg							
1,1-Dichloroethane	ND	5.00	ug/kg							
1,1-Dichloroethylene	ND	5.00	ug/kg							
1,1-Dichloropropene	ND	5.00	ug/kg							
1,2,3-Trichlorobenzene	ND	5.00	ug/kg							
1,2,3-Trichloropropane	ND	5.00	ug/kg							
1,2,4-Trichlorobenzene	ND	5.00	ug/kg							
1,2,4-Trimethylbenzene	ND	5.00	ug/kg							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.00	ug/kg							
1,2-Dibromoethane (EDB)	ND	5.00	ug/kg							
1,2-Dichlorobenzene	ND	5.00	ug/kg							
1,2-Dichloroethane	ND	5.00	ug/kg							
1,2-Dichloropropane	ND	5.00	ug/kg							
1,3,5-Trimethylbenzene	ND	5.00	ug/kg							
1,3-Dichlorobenzene	ND	5.00	ug/kg							
1,3-Dichloropropane	ND	5.00	ug/kg							
1,4-Dichlorobenzene	ND	5.00	ug/kg							
2,2-Dichloropropane	ND	5.00	ug/kg							
2-Butanone (MEK)	ND	5.00	ug/kg							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0969 - SW5035-MS										
Blank (BGL0969-BLK1)				Prepared & Analyzed: 12/22/2023						
2-Chlorotoluene	ND	5.00	ug/kg							
2-Hexanone (MBK)	ND	5.00	ug/kg							
4-Chlorotoluene	ND	5.00	ug/kg							
4-Isopropyltoluene	ND	5.00	ug/kg							
4-Methyl-2-pentanone (MIBK)	ND	5.00	ug/kg							
Acetone	ND	10.0	ug/kg							
Benzene	ND	5.00	ug/kg							
Bromobenzene	ND	5.00	ug/kg							
Bromochloromethane	ND	5.00	ug/kg							
Bromodichloromethane	ND	5.00	ug/kg							
Bromoform	ND	5.00	ug/kg							
Bromomethane	ND	5.00	ug/kg							
Carbon disulfide	ND	5.00	ug/kg							
Carbon tetrachloride	ND	5.00	ug/kg							
Chlorobenzene	ND	5.00	ug/kg							
Chloroethane	ND	5.00	ug/kg							
Chloroform	ND	5.00	ug/kg							
Chloromethane	ND	5.00	ug/kg							
cis-1,2-Dichloroethylene	ND	5.00	ug/kg							
cis-1,3-Dichloropropene	ND	5.00	ug/kg							
Dibromochloromethane	ND	5.00	ug/kg							
Dibromomethane	ND	5.00	ug/kg							
Dichlorodifluoromethane	ND	5.00	ug/kg							
Di-isopropyl ether (DIPE)	ND	5.00	ug/kg							
Ethylbenzene	ND	5.00	ug/kg							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0969 - SW5035-MS										
Blank (BGL0969-BLK1)				Prepared & Analyzed: 12/22/2023						
Hexachlorobutadiene	ND	5.00	ug/kg							
Iodomethane	ND	10.0	ug/kg							
Isopropylbenzene	ND	5.00	ug/kg							
m+p-Xylenes	ND	5.00	ug/kg							
Methylene chloride	ND	5.00	ug/kg							
Methyl-t-butyl ether (MTBE)	ND	5.00	ug/kg							
Naphthalene	ND	5.00	ug/kg							
n-Butylbenzene	ND	5.00	ug/kg							
n-Propylbenzene	ND	5.00	ug/kg							
o-Xylene	ND	5.00	ug/kg							
sec-Butylbenzene	ND	5.00	ug/kg							
Styrene	ND	5.00	ug/kg							
tert-Butylbenzene	ND	5.00	ug/kg							
Tetrachloroethylene (PCE)	ND	5.00	ug/kg							
Toluene	ND	5.00	ug/kg							
trans-1,2-Dichloroethylene	ND	5.00	ug/kg							
trans-1,3-Dichloropropene	ND	5.00	ug/kg							
Trichloroethylene	ND	5.00	ug/kg							
Trichlorofluoromethane	ND	5.00	ug/kg							
Vinyl acetate	ND	10.0	ug/kg							
Vinyl chloride	ND	5.00	ug/kg							
Xylenes, Total	ND	15.0	ug/kg							
Surr: 1,2-Dichloroethane-d4 (Surr)	*50.2*		ug/kg	*50.0*		*100*	*80-120*			
Surr: 4-Bromofluorobenzene (Surr)	*48.7*		ug/kg	*50.0*		*97.5*	*85-120*			
Surr: Dibromofluoromethane (Surr)	*49.9*		ug/kg	*50.0*		*99.9*	*80-130*			

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Batch BGL0969 - SW5035-MS										
Blank (BGL0969-BLK1)				Prepared & Analyzed: 12/22/2023						
Surr: Toluene-d8 (Surr)	*50.8*		ug/kg	*50.0*		*102*	*85-115*			
LCS (BGL0969-BS1)				Prepared & Analyzed: 12/22/2023						
1,1,1,2-Tetrachloroethane	49.7	5	ug/kg	50.0		99.3	85-132			
1,1,1-Trichloroethane	50.3	5	ug/kg	50.0		101	70-135			
1,1,2,2-Tetrachloroethane	49.0	5	ug/kg	50.0		98.0	55-130			
1,1,2-Trichloroethane	49.8	5	ug/kg	50.0		99.6	60-125			
1,1-Dichloroethane	48.2	5	ug/kg	50.0		96.4	70-136			
1,1-Dichloroethylene	44.0	5	ug/kg	50.0		87.9	65-135			
1,1-Dichloropropene	50.6	5	ug/kg	50.0		101	70-135			
1,2,3-Trichlorobenzene	54.4	5	ug/kg	50.0		109	60-135			
1,2,3-Trichloropropane	46.6	5	ug/kg	50.0		93.2	65-130			
1,2,4-Trichlorobenzene	56.2	5	ug/kg	50.0		112	65-130			
1,2,4-Trimethylbenzene	58.2	5	ug/kg	50.0		116	65-135			
1,2-Dibromo-3-chloropropane (DBCP)	48.7	5	ug/kg	50.0		97.4	40-135			
1,2-Dibromoethane (EDB)	49.3	5	ug/kg	50.0		98.7	70-125			
1,2-Dichlorobenzene	53.1	5	ug/kg	50.0		106	75-120			
1,2-Dichloroethane	44.3	5	ug/kg	50.0		88.6	70-135			
1,2-Dichloropropane	49.1	5	ug/kg	50.0		98.2	70-120			
1,3,5-Trimethylbenzene	55.6	5	ug/kg	50.0		111	65-135			
1,3-Dichlorobenzene	53.8	5	ug/kg	50.0		108	70-125			
1,3-Dichloropropane	48.4	5	ug/kg	50.0		96.8	75-125			
1,4-Dichlorobenzene	53.7	5	ug/kg	50.0		107	70-125			
2,2-Dichloropropane	51.6	5	ug/kg	50.0		103	65-135			
2-Butanone (MEK)	40.0	5	ug/kg	50.0		80.0	30-160			

ENTHALPY ANALYTICAL

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Client Site I.D.: Southside Park Landfill

Submitted To: Tom Raymond

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0969 - SW5035-MS										
LCS (BGL0969-BS1)				Prepared & Analyzed: 12/22/2023						
2-Chlorotoluene	51.5	5	ug/kg	50.0		103	70-130			
2-Hexanone (MBK)	44.5	5	ug/kg	50.0		89.0	45-145			
4-Chlorotoluene	52.7	5	ug/kg	50.0		105	75-125			
4-Isopropyltoluene	60.1	5	ug/kg	50.0		120	75-135			
4-Methyl-2-pentanone (MIBK)	47.8	5	ug/kg	50.0		95.5	45-145			
Acetone	39.8	10	ug/kg	50.0		79.5	20-160			
Benzene	49.6	5	ug/kg	50.0		99.1	75-125			
Bromobenzene	49.2	5	ug/kg	50.0		98.4	65-120			
Bromochloromethane	45.0	5	ug/kg	50.0		90.0	70-125			
Bromodichloromethane	51.2	5	ug/kg	50.0		102	70-130			
Bromoform	40.8	5	ug/kg	50.0		81.5	55-135			
Bromomethane	40.6	5	ug/kg	50.0		81.3	30-160			
Carbon disulfide	55.3	5	ug/kg	50.0		111	45-160			
Carbon tetrachloride	50.6	5	ug/kg	50.0		101	65-135			
Chlorobenzene	50.5	5	ug/kg	50.0		101	75-125			
Chloroethane	45.7	5	ug/kg	50.0		91.5	40-155			
Chloroform	45.1	5	ug/kg	50.0		90.3	70-125			
Chloromethane	39.5	5	ug/kg	50.0		78.9	50-130			
cis-1,2-Dichloroethylene	47.7	5	ug/kg	50.0		95.3	65-125			
cis-1,3-Dichloropropene	53.2	5	ug/kg	50.0		106	70-125			
Dibromochloromethane	43.0	5	ug/kg	50.0		86.0	65-130			
Dibromomethane	46.3	5	ug/kg	50.0		92.6	75-130			
Dichlorodifluoromethane	31.4	5	ug/kg	50.0		62.9	35-135			
Ethylbenzene	51.8	5	ug/kg	50.0		104	75-125			
Hexachlorobutadiene	53.2	5	ug/kg	50.0		106	55-140			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0969 - SW5035-MS										
LCS (BGL0969-BS1)				Prepared & Analyzed: 12/22/2023						
Isopropylbenzene	49.7	5	ug/kg	50.0		99.3	75-130			
m+p-Xylenes	99.2	5	ug/kg	100		99.2	80-125			
Methylene chloride	44.1	5	ug/kg	50.0		88.1	55-140			
Methyl-t-butyl ether (MTBE)	48.5	5	ug/kg	50.0		96.9	65-125			
Naphthalene	57.3	5	ug/kg	50.0		115	40-125			
n-Butylbenzene	60.1	5	ug/kg	50.0		120	65-140			
n-Propylbenzene	52.0	5	ug/kg	50.0		104	65-135			
o-Xylene	50.7	5	ug/kg	50.0		101	75-125			
sec-Butylbenzene	52.4	5	ug/kg	50.0		105	65-130			
Styrene	51.7	5	ug/kg	50.0		103	75-125			
tert-Butylbenzene	55.1	5	ug/kg	50.0		110	65-130			
Tetrachloroethylene (PCE)	49.1	5	ug/kg	50.0		98.2	48.1-219			
Toluene	50.3	5	ug/kg	50.0		101	70-125			
trans-1,2-Dichloroethylene	47.9	5	ug/kg	50.0		95.8	65-135			
trans-1,3-Dichloropropene	46.9	5	ug/kg	50.0		93.8	65-125			
Trichloroethylene	49.9	5	ug/kg	50.0		99.7	75-125			
Trichlorofluoromethane	43.9	5	ug/kg	50.0		87.8	25-185			
Vinyl chloride	47.0	5	ug/kg	50.0		93.9	60-125			
Surr: 1,2-Dichloroethane-d4 (Surr)	*48.8*		ug/kg	*50.0*		*97.6*	*80-120*			
Surr: 4-Bromofluorobenzene (Surr)	*48.6*		ug/kg	*50.0*		*97.2*	*85-120*			
Surr: Dibromofluoromethane (Surr)	*49.2*		ug/kg	*50.0*		*98.5*	*80-130*			
Surr: Toluene-d8 (Surr)	*50.4*		ug/kg	*50.0*		*101*	*85-115*			
Duplicate (BGL0969-DUP1)	**Source: 23L1295-10**			Prepared & Analyzed: 12/22/2023						
1,1,1,2-Tetrachloroethane	ND	5.02	ug/kg		BLOD			NA	30	

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0969 - SW5035-MS										
Duplicate (BGL0969-DUP1)	**Source: 23L1295-10**			Prepared & Analyzed: 12/22/2023						
1,1,1-Trichloroethane	ND	5.02	ug/kg		BLOD			NA	30	
1,1,2,2-Tetrachloroethane	ND	5.02	ug/kg		BLOD			NA	30	
1,1,2-Trichloroethane	ND	5.02	ug/kg		BLOD			NA	30	
1,1-Dichloroethane	ND	5.02	ug/kg		BLOD			NA	30	
1,1-Dichloroethylene	ND	5.02	ug/kg		BLOD			NA	30	
1,1-Dichloropropene	ND	5.02	ug/kg		BLOD			NA	30	
1,2,3-Trichlorobenzene	ND	5.02	ug/kg		BLOD			NA	30	
1,2,3-Trichloropropane	ND	5.02	ug/kg		BLOD			NA	30	
1,2,4-Trichlorobenzene	ND	5.02	ug/kg		BLOD			NA	30	
1,2,4-Trimethylbenzene	ND	5.02	ug/kg		BLOD			NA	30	
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.02	ug/kg		BLOD			NA	30	
1,2-Dibromoethane (EDB)	ND	5.02	ug/kg		BLOD			NA	30	
1,2-Dichlorobenzene	ND	5.02	ug/kg		BLOD			NA	30	
1,2-Dichloroethane	ND	5.02	ug/kg		BLOD			NA	30	
1,2-Dichloropropane	ND	5.02	ug/kg		BLOD			NA	30	
1,3,5-Trimethylbenzene	ND	5.02	ug/kg		BLOD			NA	30	
1,3-Dichlorobenzene	ND	5.02	ug/kg		BLOD			NA	30	
1,3-Dichloropropane	ND	5.02	ug/kg		BLOD			NA	30	
1,4-Dichlorobenzene	ND	5.02	ug/kg		BLOD			NA	30	
2,2-Dichloropropane	ND	5.02	ug/kg		BLOD			NA	30	
2-Butanone (MEK)	ND	5.02	ug/kg		BLOD			NA	30	
2-Chlorotoluene	ND	5.02	ug/kg		BLOD			NA	30	
2-Hexanone (MBK)	ND	5.02	ug/kg		BLOD			NA	30	
4-Chlorotoluene	ND	5.02	ug/kg		BLOD			NA	30	
4-Isopropyltoluene	ND	5.02	ug/kg		BLOD			NA	30	

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0969 - SW5035-MS										
Duplicate (BGL0969-DUP1)		**Source: 23L1295-10**		Prepared & Analyzed: 12/22/2023						
4-Methyl-2-pentanone (MIBK)	ND	5.02	ug/kg		BLOD			NA	30	
Acetone	14.3	10.0	ug/kg		17.2			18.1	30	
Benzene	ND	5.02	ug/kg		BLOD			NA	30	
Bromobenzene	ND	5.02	ug/kg		BLOD			NA	30	
Bromochloromethane	ND	5.02	ug/kg		BLOD			NA	30	
Bromodichloromethane	ND	5.02	ug/kg		BLOD			NA	30	
Bromoform	ND	5.02	ug/kg		BLOD			NA	30	
Bromomethane	ND	5.02	ug/kg		BLOD			NA	30	
Carbon disulfide	ND	5.02	ug/kg		BLOD			NA	30	
Carbon tetrachloride	ND	5.02	ug/kg		BLOD			NA	30	
Chlorobenzene	ND	5.02	ug/kg		BLOD			NA	30	
Chloroethane	ND	5.02	ug/kg		BLOD			NA	30	
Chloroform	ND	5.02	ug/kg		BLOD			NA	30	
Chloromethane	ND	5.02	ug/kg		BLOD			NA	30	
cis-1,2-Dichloroethylene	ND	5.02	ug/kg		BLOD			NA	30	
cis-1,3-Dichloropropene	ND	5.02	ug/kg		BLOD			NA	30	
Dibromochloromethane	ND	5.02	ug/kg		BLOD			NA	30	
Dibromomethane	ND	5.02	ug/kg		BLOD			NA	30	
Dichlorodifluoromethane	ND	5.02	ug/kg		BLOD			NA	30	
Di-isopropyl ether (DIPE)	ND	5.02	ug/kg		BLOD			NA	30	
Ethylbenzene	ND	5.02	ug/kg		BLOD			NA	30	
Hexachlorobutadiene	ND	5.02	ug/kg		BLOD			NA	30	
Iodomethane	ND	10.0	ug/kg		BLOD			NA	30	
Isopropylbenzene	ND	5.02	ug/kg		BLOD			NA	30	
m+p-Xylenes	ND	5.02	ug/kg		BLOD			NA	30	

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0969 - SW5035-MS										
Duplicate (BGL0969-DUP1)	**Source: 23L1295-10**		Prepared & Analyzed: 12/22/2023							
Methylene chloride	ND	5.02	ug/kg		BLOD			NA	30	
Methyl-t-butyl ether (MTBE)	ND	5.02	ug/kg		BLOD			NA	30	
Naphthalene	ND	5.02	ug/kg		BLOD			NA	30	
n-Butylbenzene	ND	5.02	ug/kg		BLOD			NA	30	
n-Propylbenzene	ND	5.02	ug/kg		BLOD			NA	30	
o-Xylene	ND	5.02	ug/kg		BLOD			NA	30	
sec-Butylbenzene	ND	5.02	ug/kg		BLOD			NA	30	
Styrene	ND	5.02	ug/kg		BLOD			NA	30	
tert-Butylbenzene	ND	5.02	ug/kg		BLOD			NA	30	
Tetrachloroethylene (PCE)	ND	5.02	ug/kg		BLOD			NA	30	
Toluene	ND	5.02	ug/kg		BLOD			NA	30	
trans-1,2-Dichloroethylene	ND	5.02	ug/kg		BLOD			NA	30	
trans-1,3-Dichloropropene	ND	5.02	ug/kg		BLOD			NA	30	
Trichloroethylene	ND	5.02	ug/kg		BLOD			NA	30	
Trichlorofluoromethane	ND	5.02	ug/kg		BLOD			NA	30	
Vinyl acetate	ND	10.0	ug/kg		BLOD			NA	30	
Vinyl chloride	ND	5.02	ug/kg		BLOD			NA	30	
Xylenes, Total	ND	15.1	ug/kg		BLOD			NA	30	
Tetrahydrofuran	ND	10.0	ug/kg		BLOD			NA	30	
Diethyl ether	ND	5.02	ug/kg		BLOD			NA	30	
Surr: 1,2-Dichloroethane-d4 (Surr)	*55.0*		ug/kg	*50.0*		*110*	*80-120*			
Surr: 4-Bromofluorobenzene (Surr)	*48.3*		ug/kg	*50.0*		*96.6*	*85-120*			
Surr: Dibromofluoromethane (Surr)	*50.1*		ug/kg	*50.0*		*100*	*80-130*			
Surr: Toluene-d8 (Surr)	*49.9*		ug/kg	*50.0*		*99.8*	*85-115*			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL1028 - SW5035-MS										
Blank (BGL1028-BLK1)				Prepared & Analyzed: 12/26/2023						
1,1,1,2-Tetrachloroethane	ND	5.00	ug/kg							
1,1,1-Trichloroethane	ND	5.00	ug/kg							
1,1,2,2-Tetrachloroethane	ND	5.00	ug/kg							
1,1,2-Trichloroethane	ND	5.00	ug/kg							
1,1-Dichloroethane	ND	5.00	ug/kg							
1,1-Dichloroethylene	ND	5.00	ug/kg							
1,1-Dichloropropene	ND	5.00	ug/kg							
1,2,3-Trichlorobenzene	ND	5.00	ug/kg							
1,2,3-Trichloropropane	ND	5.00	ug/kg							
1,2,4-Trichlorobenzene	ND	5.00	ug/kg							
1,2,4-Trimethylbenzene	ND	5.00	ug/kg							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.00	ug/kg							
1,2-Dibromoethane (EDB)	ND	5.00	ug/kg							
1,2-Dichlorobenzene	ND	5.00	ug/kg							
1,2-Dichloroethane	ND	5.00	ug/kg							
1,2-Dichloropropane	ND	5.00	ug/kg							
1,3,5-Trimethylbenzene	ND	5.00	ug/kg							
1,3-Dichlorobenzene	ND	5.00	ug/kg							
1,3-Dichloropropane	ND	5.00	ug/kg							
1,4-Dichlorobenzene	ND	5.00	ug/kg							
2,2-Dichloropropane	ND	5.00	ug/kg							
2-Butanone (MEK)	ND	5.00	ug/kg							
2-Chlorotoluene	ND	5.00	ug/kg							
2-Hexanone (MBK)	ND	5.00	ug/kg							
4-Chlorotoluene	ND	5.00	ug/kg							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL1028 - SW5035-MS										
Blank (BGL1028-BLK1)				Prepared & Analyzed: 12/26/2023						
4-Isopropyltoluene	ND	5.00	ug/kg							
4-Methyl-2-pentanone (MIBK)	ND	5.00	ug/kg							
Acetone	ND	10.0	ug/kg							
Benzene	ND	5.00	ug/kg							
Bromobenzene	ND	5.00	ug/kg							
Bromochloromethane	ND	5.00	ug/kg							
Bromodichloromethane	ND	5.00	ug/kg							
Bromoform	ND	5.00	ug/kg							
Bromomethane	ND	5.00	ug/kg							
Carbon disulfide	ND	5.00	ug/kg							
Carbon tetrachloride	ND	5.00	ug/kg							
Chlorobenzene	ND	5.00	ug/kg							
Chloroethane	ND	5.00	ug/kg							
Chloroform	ND	5.00	ug/kg							
Chloromethane	ND	5.00	ug/kg							
cis-1,2-Dichloroethylene	ND	5.00	ug/kg							
cis-1,3-Dichloropropene	ND	5.00	ug/kg							
Dibromochloromethane	ND	5.00	ug/kg							
Dibromomethane	ND	5.00	ug/kg							
Dichlorodifluoromethane	ND	5.00	ug/kg							
Di-isopropyl ether (DIPE)	ND	5.00	ug/kg							
Ethylbenzene	ND	5.00	ug/kg							
Hexachlorobutadiene	ND	5.00	ug/kg							
Iodomethane	ND	10.0	ug/kg							
Isopropylbenzene	ND	5.00	ug/kg							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL1028 - SW5035-MS										
Blank (BGL1028-BLK1)				Prepared & Analyzed: 12/26/2023						
m+p-Xylenes	ND	5.00	ug/kg							
Methylene chloride	ND	5.00	ug/kg							
Methyl-t-butyl ether (MTBE)	ND	5.00	ug/kg							
Naphthalene	ND	5.00	ug/kg							
n-Butylbenzene	ND	5.00	ug/kg							
n-Propylbenzene	ND	5.00	ug/kg							
o-Xylene	ND	5.00	ug/kg							
sec-Butylbenzene	ND	5.00	ug/kg							
Styrene	ND	5.00	ug/kg							
tert-Butylbenzene	ND	5.00	ug/kg							
Tetrachloroethylene (PCE)	ND	5.00	ug/kg							
Toluene	ND	5.00	ug/kg							
trans-1,2-Dichloroethylene	ND	5.00	ug/kg							
trans-1,3-Dichloropropene	ND	5.00	ug/kg							
Trichloroethylene	ND	5.00	ug/kg							
Trichlorofluoromethane	ND	5.00	ug/kg							
Vinyl acetate	ND	10.0	ug/kg							
Vinyl chloride	ND	5.00	ug/kg							
Xylenes, Total	ND	15.0	ug/kg							
Surr: 1,2-Dichloroethane-d4 (Surr)	*53.9*		ug/kg	*50.0*		*108*	*80-120*			
Surr: 4-Bromofluorobenzene (Surr)	*54.3*		ug/kg	*50.0*		*109*	*85-120*			
Surr: Dibromofluoromethane (Surr)	*55.2*		ug/kg	*50.0*		*110*	*80-130*			
Surr: Toluene-d8 (Surr)	*52.3*		ug/kg	*50.0*		*105*	*85-115*			
LCS (BGL1028-BS1)				Prepared & Analyzed: 12/26/2023						

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL1028 - SW5035-MS										
LCS (BGL1028-BS1)				Prepared & Analyzed: 12/26/2023						
1,1,1,2-Tetrachloroethane	50.9	5	ug/kg	50.0		102	85-132			
1,1,1-Trichloroethane	56.0	5	ug/kg	50.0		112	70-135			
1,1,2,2-Tetrachloroethane	51.2	5	ug/kg	50.0		102	55-130			
1,1,2-Trichloroethane	57.6	5	ug/kg	50.0		115	60-125			
1,1-Dichloroethane	58.2	5	ug/kg	50.0		116	70-136			
1,1-Dichloroethylene	59.7	5	ug/kg	50.0		119	65-135			
1,1-Dichloropropene	59.6	5	ug/kg	50.0		119	70-135			
1,2,3-Trichlorobenzene	53.1	5	ug/kg	50.0		106	60-135			
1,2,3-Trichloropropane	47.1	5	ug/kg	50.0		94.1	65-130			
1,2,4-Trichlorobenzene	48.3	5	ug/kg	50.0		96.6	65-130			
1,2,4-Trimethylbenzene	51.8	5	ug/kg	50.0		104	65-135			
1,2-Dibromo-3-chloropropane (DBCP)	38.9	5	ug/kg	50.0		77.8	40-135			
1,2-Dibromoethane (EDB)	50.5	5	ug/kg	50.0		101	70-125			
1,2-Dichlorobenzene	47.9	5	ug/kg	50.0		95.9	75-120			
1,2-Dichloroethane	54.0	5	ug/kg	50.0		108	70-135			
1,2-Dichloropropane	56.2	5	ug/kg	50.0		112	70-120			
1,3,5-Trimethylbenzene	50.1	5	ug/kg	50.0		100	65-135			
1,3-Dichlorobenzene	50.2	5	ug/kg	50.0		100	70-125			
1,3-Dichloropropane	55.4	5	ug/kg	50.0		111	75-125			
1,4-Dichlorobenzene	48.3	5	ug/kg	50.0		96.6	70-125			
2,2-Dichloropropane	55.8	5	ug/kg	50.0		112	65-135			
2-Butanone (MEK)	54.2	5	ug/kg	50.0		108	30-160			
2-Chlorotoluene	50.4	5	ug/kg	50.0		101	70-130			
2-Hexanone (MBK)	44.0	5	ug/kg	50.0		87.9	45-145			
4-Chlorotoluene	51.0	5	ug/kg	50.0		102	75-125			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL1028 - SW5035-MS										
LCS (BGL1028-BS1)				Prepared & Analyzed: 12/26/2023						
4-Isopropyltoluene	50.8	5	ug/kg	50.0		102	75-135			
4-Methyl-2-pentanone (MIBK)	53.8	5	ug/kg	50.0		108	45-145			
Acetone	43.0	10	ug/kg	50.0		86.1	20-160			
Benzene	57.8	5	ug/kg	50.0		116	75-125			
Bromobenzene	53.6	5	ug/kg	50.0		107	65-120			
Bromochloromethane	58.6	5	ug/kg	50.0		117	70-125			
Bromodichloromethane	55.9	5	ug/kg	50.0		112	70-130			
Bromoform	54.9	5	ug/kg	50.0		110	55-135			
Bromomethane	41.9	5	ug/kg	50.0		83.8	30-160			
Carbon disulfide	58.6	5	ug/kg	50.0		117	45-160			
Carbon tetrachloride	53.3	5	ug/kg	50.0		107	65-135			
Chlorobenzene	51.5	5	ug/kg	50.0		103	75-125			
Chloroethane	50.1	5	ug/kg	50.0		100	40-155			
Chloroform	55.6	5	ug/kg	50.0		111	70-125			
Chloromethane	53.8	5	ug/kg	50.0		108	50-130			
cis-1,2-Dichloroethylene	60.2	5	ug/kg	50.0		120	65-125			
cis-1,3-Dichloropropene	56.0	5	ug/kg	50.0		112	70-125			
Dibromochloromethane	57.4	5	ug/kg	50.0		115	65-130			
Dibromomethane	54.5	5	ug/kg	50.0		109	75-130			
Dichlorodifluoromethane	66.6	5	ug/kg	50.0		133	35-135			
Ethylbenzene	52.5	5	ug/kg	50.0		105	75-125			
Hexachlorobutadiene	43.2	5	ug/kg	50.0		86.4	55-140			
Isopropylbenzene	49.9	5	ug/kg	50.0		99.7	75-130			
m+p-Xylenes	105	5	ug/kg	100		105	80-125			
Methylene chloride	58.9	5	ug/kg	50.0		118	55-140			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL1028 - SW5035-MS										
LCS (BGL1028-BS1)				Prepared & Analyzed: 12/26/2023						
Methyl-t-butyl ether (MTBE)	56.2	5	ug/kg	50.0		112	65-125			
Naphthalene	49.1	5	ug/kg	50.0		98.2	40-125			
n-Butylbenzene	48.8	5	ug/kg	50.0		97.5	65-140			
n-Propylbenzene	51.4	5	ug/kg	50.0		103	65-135			
o-Xylene	52.4	5	ug/kg	50.0		105	75-125			
sec-Butylbenzene	52.1	5	ug/kg	50.0		104	65-130			
Styrene	53.4	5	ug/kg	50.0		107	75-125			
tert-Butylbenzene	50.0	5	ug/kg	50.0		100	65-130			
Tetrachloroethylene (PCE)	44.7	5	ug/kg	50.0		89.3	48.1-219			
Toluene	57.8	5	ug/kg	50.0		116	70-125			
trans-1,2-Dichloroethylene	59.8	5	ug/kg	50.0		120	65-135			
trans-1,3-Dichloropropene	59.9	5	ug/kg	50.0		120	65-125			
Trichloroethylene	56.1	5	ug/kg	50.0		112	75-125			
Trichlorofluoromethane	61.7	5	ug/kg	50.0		123	25-185			
Vinyl chloride	51.3	5	ug/kg	50.0		103	60-125			
Surr: 1,2-Dichloroethane-d4 (Surr)	*50.3*		ug/kg	*50.0*		*101*	*80-120*			
Surr: 4-Bromofluorobenzene (Surr)	*52.0*		ug/kg	*50.0*		*104*	*85-120*			
Surr: Dibromofluoromethane (Surr)	*51.3*		ug/kg	*50.0*		*103*	*80-130*			
Surr: Toluene-d8 (Surr)	*51.3*		ug/kg	*50.0*		*103*	*85-115*			
Duplicate (BGL1028-DUP1)	**Source: 23L1228-13**			Prepared & Analyzed: 12/26/2023						
1,1,1,2-Tetrachloroethane	ND	5.00	ug/kg		BLOD			NA	30	
1,1,1-Trichloroethane	ND	5.00	ug/kg		BLOD			NA	30	
1,1,2,2-Tetrachloroethane	ND	5.00	ug/kg		BLOD			NA	30	
1,1,2-Trichloroethane	ND	5.00	ug/kg		BLOD			NA	30	

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL1028 - SW5035-MS										
Duplicate (BGL1028-DUP1)		**Source: 23L1228-13**		Prepared & Analyzed: 12/26/2023						
1,1-Dichloroethane	ND	5.00	ug/kg		BLOD			NA	30	
1,1-Dichloroethylene	ND	5.00	ug/kg		BLOD			NA	30	
1,1-Dichloropropene	ND	5.00	ug/kg		BLOD			NA	30	
1,2,3-Trichlorobenzene	ND	5.00	ug/kg		BLOD			NA	30	
1,2,3-Trichloropropane	ND	5.00	ug/kg		BLOD			NA	30	
1,2,4-Trichlorobenzene	ND	5.00	ug/kg		BLOD			NA	30	
1,2,4-Trimethylbenzene	ND	5.00	ug/kg		BLOD			NA	30	
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.00	ug/kg		BLOD			NA	30	
1,2-Dibromoethane (EDB)	ND	5.00	ug/kg		BLOD			NA	30	
1,2-Dichlorobenzene	ND	5.00	ug/kg		BLOD			NA	30	
1,2-Dichloroethane	ND	5.00	ug/kg		BLOD			NA	30	
1,2-Dichloropropane	ND	5.00	ug/kg		BLOD			NA	30	
1,3,5-Trimethylbenzene	ND	5.00	ug/kg		BLOD			NA	30	
1,3-Dichlorobenzene	ND	5.00	ug/kg		BLOD			NA	30	
1,3-Dichloropropane	ND	5.00	ug/kg		BLOD			NA	30	
1,4-Dichlorobenzene	ND	5.00	ug/kg		BLOD			NA	30	
2,2-Dichloropropane	ND	5.00	ug/kg		BLOD			NA	30	
2-Butanone (MEK)	9.18	5.00	ug/kg		11.3			21.1	30	
2-Chlorotoluene	ND	5.00	ug/kg		BLOD			NA	30	
2-Hexanone (MBK)	ND	5.00	ug/kg		BLOD			NA	30	
4-Chlorotoluene	ND	5.00	ug/kg		BLOD			NA	30	
4-Isopropyltoluene	ND	5.00	ug/kg		BLOD			NA	30	
4-Methyl-2-pentanone (MIBK)	ND	5.00	ug/kg		BLOD			NA	30	
Acetone	210	10.0	ug/kg		181			14.5	30	
Benzene	ND	5.00	ug/kg		BLOD			NA	30	

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL1028 - SW5035-MS										
Duplicate (BGL1028-DUP1)	**Source: 23L1228-13**			Prepared & Analyzed: 12/26/2023						
Bromobenzene	ND	5.00	ug/kg		BLOD			NA	30	
Bromochloromethane	ND	5.00	ug/kg		BLOD			NA	30	
Bromodichloromethane	ND	5.00	ug/kg		BLOD			NA	30	
Bromoform	ND	5.00	ug/kg		BLOD			NA	30	
Bromomethane	ND	5.00	ug/kg		BLOD			NA	30	
Carbon disulfide	ND	5.00	ug/kg		BLOD			NA	30	
Carbon tetrachloride	ND	5.00	ug/kg		BLOD			NA	30	
Chlorobenzene	ND	5.00	ug/kg		BLOD			NA	30	
Chloroethane	ND	5.00	ug/kg		BLOD			NA	30	
Chloroform	ND	5.00	ug/kg		BLOD			NA	30	
Chloromethane	ND	5.00	ug/kg		BLOD			NA	30	
cis-1,2-Dichloroethylene	ND	5.00	ug/kg		BLOD			NA	30	
cis-1,3-Dichloropropene	ND	5.00	ug/kg		BLOD			NA	30	
Dibromochloromethane	ND	5.00	ug/kg		BLOD			NA	30	
Dibromomethane	ND	5.00	ug/kg		BLOD			NA	30	
Dichlorodifluoromethane	ND	5.00	ug/kg		BLOD			NA	30	
Di-isopropyl ether (DIPE)	ND	5.00	ug/kg		BLOD			NA	30	
Ethylbenzene	ND	5.00	ug/kg		BLOD			NA	30	
Hexachlorobutadiene	ND	5.00	ug/kg		BLOD			NA	30	
Iodomethane	ND	10.0	ug/kg		BLOD			NA	30	
Isopropylbenzene	ND	5.00	ug/kg		BLOD			NA	30	
m+p-Xylenes	ND	5.00	ug/kg		BLOD			NA	30	
Methylene chloride	ND	5.00	ug/kg		BLOD			NA	30	
Methyl-t-butyl ether (MTBE)	ND	5.00	ug/kg		BLOD			NA	30	
Naphthalene	ND	5.00	ug/kg		BLOD			NA	30	

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL1028 - SW5035-MS										
Duplicate (BGL1028-DUP1)	**Source: 23L1228-13**			Prepared & Analyzed: 12/26/2023						
n-Butylbenzene	ND	5.00	ug/kg		BLOD			NA	30	
n-Propylbenzene	ND	5.00	ug/kg		BLOD			NA	30	
o-Xylene	ND	5.00	ug/kg		BLOD			NA	30	
sec-Butylbenzene	ND	5.00	ug/kg		BLOD			NA	30	
Styrene	ND	5.00	ug/kg		BLOD			NA	30	
tert-Butylbenzene	ND	5.00	ug/kg		BLOD			NA	30	
Tetrachloroethylene (PCE)	ND	5.00	ug/kg		BLOD			NA	30	
Toluene	ND	5.00	ug/kg		BLOD			NA	30	
trans-1,2-Dichloroethylene	ND	5.00	ug/kg		BLOD			NA	30	
trans-1,3-Dichloropropene	ND	5.00	ug/kg		BLOD			NA	30	
Trichloroethylene	ND	5.00	ug/kg		BLOD			NA	30	
Trichlorofluoromethane	ND	5.00	ug/kg		BLOD			NA	30	
Vinyl acetate	ND	10.0	ug/kg		BLOD			NA	30	
Vinyl chloride	ND	5.00	ug/kg		BLOD			NA	30	
Xylenes, Total	ND	15.0	ug/kg		BLOD			NA	30	
Tetrahydrofuran	ND	10.0	ug/kg		BLOD			NA	30	
Diethyl ether	ND	5.00	ug/kg		BLOD			NA	30	
Surr: 1,2-Dichloroethane-d4 (Surr)	*60.3*		ug/kg	*50.0*		*121*	*80-120*			
Surr: 4-Bromofluorobenzene (Surr)	*54.8*		ug/kg	*50.0*		*110*	*85-120*			
Surr: Dibromofluoromethane (Surr)	*58.8*		ug/kg	*50.0*		*118*	*80-130*			
Surr: Toluene-d8 (Surr)	*52.4*		ug/kg	*50.0*		*105*	*85-115*			

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0645 - SW3550C/EPA600-MS										
Blank (BGL0645-BLK1)				Prepared: 12/15/2023 Analyzed: 12/18/2023						
1,2,4,5-Tetrachlorobenzene	ND	83.3	ug/kg							
1,2,4-Trichlorobenzene	ND	83.3	ug/kg							
1,2-Dichlorobenzene	ND	83.3	ug/kg							
1,2-Diphenylhydrazine	ND	83.3	ug/kg							
1,3-Dichlorobenzene	ND	83.3	ug/kg							
1,3-Dinitrobenzene	ND	83.3	ug/kg							
1,4-Dichlorobenzene	ND	83.3	ug/kg							
1-Chloronaphthalene	ND	83.3	ug/kg							
1-Naphthylamine	ND	83.3	ug/kg							
2,3,4,6-Tetrachlorophenol	ND	83.3	ug/kg							
2,4,5-Trichlorophenol	ND	83.3	ug/kg							
2,4,6-Trichlorophenol	ND	83.3	ug/kg							
2,4-Dichlorophenol	ND	83.3	ug/kg							
2,4-Dimethylphenol	ND	83.3	ug/kg							
2,4-Dinitrophenol	ND	83.3	ug/kg							
2,4-Dinitrotoluene	ND	83.3	ug/kg							
2,6-Dichlorophenol	ND	83.3	ug/kg							
2,6-Dinitrotoluene	ND	83.3	ug/kg							
2-Chloronaphthalene	ND	83.3	ug/kg							
2-Chlorophenol	ND	83.3	ug/kg							
2-Methylnaphthalene	ND	83.3	ug/kg							
2-Naphthylamine	ND	83.3	ug/kg							
2-Nitroaniline	ND	83.3	ug/kg							
2-Nitrophenol	ND	83.3	ug/kg							
3,3'-Dichlorobenzidine	ND	83.3	ug/kg							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0645 - SW3550C/EPA600-MS										
Blank (BGL0645-BLK1)				Prepared: 12/15/2023 Analyzed: 12/18/2023						
3-Methylcholanthrene	ND	83.3	ug/kg							
3-Nitroaniline	ND	83.3	ug/kg							
4,6-Dinitro-2-methylphenol	ND	83.3	ug/kg							
4-Aminobiphenyl	ND	83.3	ug/kg							
4-Bromophenyl phenyl ether	ND	83.3	ug/kg							
4-Chloroaniline	ND	83.3	ug/kg							
4-Chlorophenyl phenyl ether	ND	83.3	ug/kg							
4-Nitroaniline	ND	83.3	ug/kg							
4-Nitrophenol	ND	83.3	ug/kg							
7,12-Dimethylbenz (a) anthracene	ND	83.3	ug/kg							
Acenaphthene	ND	83.3	ug/kg							
Acenaphthylene	ND	83.3	ug/kg							
Acetophenone	ND	83.3	ug/kg							
Aniline	ND	83.3	ug/kg							
Anthracene	ND	83.3	ug/kg							
Benzidine	ND	83.3	ug/kg							
Benzo (a) anthracene	ND	83.3	ug/kg							
Benzo (a) pyrene	ND	83.3	ug/kg							
Benzo (b) fluoranthene	ND	83.3	ug/kg							
Benzo (g,h,i) perylene	ND	83.3	ug/kg							
Benzo (k) fluoranthene	ND	83.3	ug/kg							
Benzoic acid	ND	83.3	ug/kg							
Benzyl alcohol	ND	83.3	ug/kg							
bis (2-Chloroethoxy) methane	ND	83.3	ug/kg							
bis (2-Chloroethyl) ether	ND	83.3	ug/kg							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0645 - SW3550C/EPA600-MS										
Blank (BGL0645-BLK1)				Prepared: 12/15/2023 Analyzed: 12/18/2023						
2,2'-Oxybis (1-chloropropane)	ND	83.3	ug/kg							
bis (2-Ethylhexyl) phthalate	ND	83.3	ug/kg							
Butyl benzyl phthalate	ND	83.3	ug/kg							
Chrysene	ND	83.3	ug/kg							
Dibenz (a,h) anthracene	ND	83.3	ug/kg							
Dibenz (a,j) acridine	ND	83.3	ug/kg							
Dibenzofuran	ND	83.3	ug/kg							
Diethyl phthalate	ND	83.3	ug/kg							
Dimethyl phthalate	ND	83.3	ug/kg							
Di-n-butyl phthalate	ND	83.3	ug/kg							
Di-n-octyl phthalate	ND	83.3	ug/kg							
Diphenylamine	ND	83.3	ug/kg							
Ethyl methanesulfonate	ND	83.3	ug/kg							
Fluoranthene	ND	83.3	ug/kg							
Fluorene	ND	83.3	ug/kg							
Hexachlorobenzene	ND	83.3	ug/kg							
Hexachlorobutadiene	ND	83.3	ug/kg							
Hexachlorocyclopentadiene	ND	83.3	ug/kg							
Hexachloroethane	ND	83.3	ug/kg							
Indeno (1,2,3-cd) pyrene	ND	83.3	ug/kg							
Isophorone	ND	83.3	ug/kg							
m+p-Cresols	ND	83.3	ug/kg							
Methyl methanesulfonate	ND	83.3	ug/kg							
Naphthalene	ND	83.3	ug/kg							
Nitrobenzene	ND	83.3	ug/kg							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0645 - SW3550C/EPA600-MS										
Blank (BGL0645-BLK1)				Prepared: 12/15/2023 Analyzed: 12/18/2023						
n-Nitrosodimethylamine	ND	83.3	ug/kg							
n-Nitrosodi-n-butylamine	ND	83.3	ug/kg							
n-Nitrosodi-n-propylamine	ND	83.3	ug/kg							
n-Nitrosodiphenylamine	ND	83.3	ug/kg							
n-Nitrosopiperidine	ND	83.3	ug/kg							
o+m+p-Cresols	ND	83.3	ug/kg							
o-Cresol	ND	83.3	ug/kg							
p-(Dimethylamino) azobenzene	ND	83.3	ug/kg							
p-Chloro-m-cresol	ND	83.3	ug/kg							
Pentachloronitrobenzene (quintozene)	ND	83.3	ug/kg							
Pentachlorophenol	ND	83.3	ug/kg							
Phenacetin	ND	83.3	ug/kg							
Phenanthrene	ND	83.3	ug/kg							
Phenol	ND	83.3	ug/kg							
Pronamide	ND	83.3	ug/kg							
Pyrene	ND	83.3	ug/kg							
Pyridine	ND	83.3	ug/kg							
Surr: 2,4,6-Tribromophenol (Surr)	*1900*		ug/kg	*3270*		*58.3*	*15-96*			
Surr: 2-Fluorobiphenyl (Surr)	*1360*		ug/kg	*1630*		*83.3*	*19-105*			
Surr: 2-Fluorophenol (Surr)	*2610*		ug/kg	*3270*		*79.7*	*12-95*			
Surr: Nitrobenzene-d5 (Surr)	*1250*		ug/kg	*1630*		*76.4*	*21-100*			
Surr: Phenol-d5 (Surr)	*2160*		ug/kg	*3270*		*66.2*	*13-100*			
Surr: p-Terphenyl-d14 (Surr)	*1020*		ug/kg	*1630*		*62.6*	*25-125*			
Blank (BGL0645-BLK2)				Prepared: 12/15/2023 Analyzed: 12/18/2023						

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0645 - SW3550C/EPA600-MS										
Blank (BGL0645-BLK2)				Prepared: 12/15/2023 Analyzed: 12/18/2023						
1,4-Dioxane (SIM)	ND	3.33	ug/kg							
Surr: Nitrobenzene-d5 (Surr)	*990*		ug/kg	*1670*		*59.4*	*35-100*			
LCS (BGL0645-BS1)				Prepared: 12/15/2023 Analyzed: 12/18/2023						
1,2,4-Trichlorobenzene	859	83.3	ug/kg	1660		51.9	70-130			*L*
1,2-Dichlorobenzene	791	83.3	ug/kg	1660		47.8	70-130			*L*
1,3-Dichlorobenzene	797	83.3	ug/kg	1660		48.1	70-130			*L*
1,4-Dichlorobenzene	881	83.3	ug/kg	1660		53.2	70-130			*L*
2,4,6-Trichlorophenol	941	83.3	ug/kg	1660		56.8	20-115			
2,4-Dichlorophenol	862	83.3	ug/kg	1660		52.1	20-111			
2,4-Dimethylphenol	844	83.3	ug/kg	1660		51.0	20-110			
2,4-Dinitrophenol	988	83.3	ug/kg	1660		59.7	10-169			
2,4-Dinitrotoluene	1000	83.3	ug/kg	1660		60.6	21-125			
2,6-Dinitrotoluene	1000	83.3	ug/kg	1660		60.6	15-140			
2-Chloronaphthalene	919	83.3	ug/kg	1660		55.5	22-105			
2-Chlorophenol	893	83.3	ug/kg	1660		54.0	15-107			
2-Nitrophenol	970	83.3	ug/kg	1660		58.6	20-115			
3,3'-Dichlorobenzidine	798	83.3	ug/kg	1660		48.2	10-110			
4,6-Dinitro-2-methylphenol	1120	83.3	ug/kg	1660		67.6	40-130			
4-Bromophenyl phenyl ether	846	83.3	ug/kg	1660		51.1	20-114			
4-Chlorophenyl phenyl ether	876	83.3	ug/kg	1660		52.9	15-110			
4-Nitrophenol	1130	83.3	ug/kg	1660		68.4	15-110			
Acenaphthene	1120	83.3	ug/kg	1660		67.5	24-110			
Acenaphthylene	998	83.3	ug/kg	1660		60.3	25-106			
Acetophenone	772	83.3	ug/kg	1660		46.6	25-106			

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0645 - SW3550C/EPA600-MS										
LCS (BGL0645-BS1)				Prepared: 12/15/2023 Analyzed: 12/18/2023						
Anthracene	1060	83.3	ug/kg	1660		64.0	25-117			
Benzo (a) anthracene	1040	83.3	ug/kg	1660		62.8	25-127			
Benzo (a) pyrene	1100	83.3	ug/kg	1660		66.4	18-127			
Benzo (b) fluoranthene	1030	83.3	ug/kg	1660		62.0	20-132			
Benzo (g,h,i) perylene	975	83.3	ug/kg	1660		58.9	10-136			
Benzo (k) fluoranthene	1050	83.3	ug/kg	1660		63.5	14-136			
bis (2-Chloroethoxy) methane	816	83.3	ug/kg	1660		49.3	20-100			
bis (2-Chloroethyl) ether	779	83.3	ug/kg	1660		47.1	13-100			
2,2'-Oxybis (1-chloropropane)	767	83.3	ug/kg	1660		46.3	40-125			
bis (2-Ethylhexyl) phthalate	802	83.3	ug/kg	1660		48.5	18-137			
Butyl benzyl phthalate	800	83.3	ug/kg	1660		48.3	20-141			
Chrysene	984	83.3	ug/kg	1660		59.4	21-141			
Dibenz (a,h) anthracene	1050	83.3	ug/kg	1660		63.6	10-142			
Diethyl phthalate	942	83.3	ug/kg	1660		56.9	20-120			
Dimethyl phthalate	863	83.3	ug/kg	1660		52.1	23-109			
Di-n-butyl phthalate	1260	83.3	ug/kg	1660		76.2	18-136			
Di-n-octyl phthalate	747	83.3	ug/kg	1660		45.1	10-160			
Fluoranthene	1240	83.3	ug/kg	1660		74.9	19-138			
Fluorene	985	83.3	ug/kg	1660		59.5	25-114			
Hexachlorobenzene	699	83.3	ug/kg	1660		42.2	20-113			
Hexachlorobutadiene	940	83.3	ug/kg	1660		56.8	25-125			
Hexachlorocyclopentadiene	658	83.3	ug/kg	1660		39.8	10-125			
Hexachloroethane	849	83.3	ug/kg	1660		51.3	25-125			
Indeno (1,2,3-cd) pyrene	997	83.3	ug/kg	1660		60.2	10-136			
Isophorone	584	83.3	ug/kg	1660		35.3	10-110			

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0645 - SW3550C/EPA600-MS										
LCS (BGL0645-BS1)				Prepared: 12/15/2023 Analyzed: 12/18/2023						
Naphthalene	976	83.3	ug/kg	1660		58.9	18-109			
Nitrobenzene	920	83.3	ug/kg	1660		55.5	18-104			
n-Nitrosodimethylamine	644	83.3	ug/kg	1660		38.9	18-110			
n-Nitrosodi-n-propylamine	798	83.3	ug/kg	1660		48.2	12-102			
n-Nitrosodiphenylamine	738	83.3	ug/kg	1660		44.6	12-97			
p-Chloro-m-cresol	922	83.3	ug/kg	1660		55.7	24-120			
Pentachlorophenol	548	83.3	ug/kg	1660		33.1	10-116			
Phenanthrene	1060	83.3	ug/kg	1660		64.2	25-122			
Phenol	857	83.3	ug/kg	1670		51.2	12-115			
Pyrene	689	83.3	ug/kg	1660		41.6	17-159			
Pyridine	774	83.3	ug/kg	1660		46.7	0-200			
Surr: 2,4,6-Tribromophenol (Surr)	*1880*		ug/kg	*3310*		*56.8*	*15-96*			
Surr: 2-Fluorobiphenyl (Surr)	*936*		ug/kg	*1660*		*56.5*	*19-105*			
Surr: 2-Fluorophenol (Surr)	*1890*		ug/kg	*3310*		*57.2*	*12-95*			
Surr: Nitrobenzene-d5 (Surr)	*951*		ug/kg	*1660*		*57.5*	*21-100*			
Surr: Phenol-d5 (Surr)	*1650*		ug/kg	*3310*		*49.7*	*13-100*			
Surr: p-Terphenyl-d14 (Surr)	*762*		ug/kg	*1660*		*46.0*	*25-125*			
LCS (BGL0645-BS2)				Prepared: 12/15/2023 Analyzed: 12/18/2023						
1,4-Dioxane (SIM)	16.5	3.30	ug/kg				0-200			
Surr: Nitrobenzene-d5 (Surr)	*1480*		ug/kg	*1620*		*91.6*	*35-100*			
Matrix Spike (BGL0645-MS1)	**Source: 23L0675-08**			Prepared: 12/15/2023 Analyzed: 12/18/2023						
1,2,4-Trichlorobenzene	910	98.1	ug/kg	1960	BLOD	46.4	70-130			*M*
1,2-Dichlorobenzene	859	98.1	ug/kg	1960	BLOD	43.7	70-130			*M*
1,3-Dichlorobenzene	852	98.1	ug/kg	1960	BLOD	43.4	70-130			*M*

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0645 - SW3550C/EPA600-MS										
Matrix Spike (BGL0645-MS1)	**Source: 23L0675-08**			Prepared: 12/15/2023 Analyzed: 12/18/2023						
1,4-Dichlorobenzene	956	98.1	ug/kg	1960	BLOD	48.7	70-130			*M*
2,4,6-Trichlorophenol	1030	98.1	ug/kg	1960	BLOD	52.5	10-115			
2,4-Dichlorophenol	924	98.1	ug/kg	1960	BLOD	47.1	10-128			
2,4-Dimethylphenol	816	98.1	ug/kg	1960	BLOD	41.5	10-121			
2,4-Dinitrophenol	979	98.1	ug/kg	1960	BLOD	49.9	10-228			
2,4-Dinitrotoluene	1070	98.1	ug/kg	1960	BLOD	54.6	10-141			
2,6-Dinitrotoluene	1070	98.1	ug/kg	1960	BLOD	54.6	15-140			
2-Chloronaphthalene	1010	98.1	ug/kg	1960	BLOD	51.3	10-108			
2-Chlorophenol	971	98.1	ug/kg	1960	BLOD	49.4	10-117			
2-Nitrophenol	1050	98.1	ug/kg	1960	BLOD	53.4	10-131			
3,3'-Dichlorobenzidine	548	98.1	ug/kg	1960	BLOD	27.9	10-110			
4,6-Dinitro-2-methylphenol	1180	98.1	ug/kg	1960	BLOD	60.0	10-110			
4-Bromophenyl phenyl ether	880	98.1	ug/kg	1960	BLOD	44.8	10-119			
4-Chlorophenyl phenyl ether	940	98.1	ug/kg	1960	BLOD	47.9	15-110			
4-Nitrophenol	1140	98.1	ug/kg	1960	BLOD	58.1	15-110			
Acenaphthene	1220	98.1	ug/kg	1960	BLOD	62.1	10-124			
Acenaphthylene	1140	98.1	ug/kg	1960	BLOD	58.3	10-118			
Acetophenone	898	98.1	ug/kg	1960	BLOD	45.7	10-110			
Anthracene	1120	98.1	ug/kg	1960	BLOD	56.8	10-143			
Benzo (a) anthracene	1090	98.1	ug/kg	1960	BLOD	55.7	10-169			
Benzo (a) pyrene	1130	98.1	ug/kg	1960	BLOD	57.6	10-149			
Benzo (b) fluoranthene	1050	98.1	ug/kg	1960	BLOD	53.4	10-150			
Benzo (g,h,i) perylene	821	98.1	ug/kg	1960	BLOD	41.8	10-123			
Benzo (k) fluoranthene	1180	98.1	ug/kg	1960	BLOD	60.0	10-211			
bis (2-Chloroethoxy) methane	873	98.1	ug/kg	1960	BLOD	44.5	10-108			

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0645 - SW3550C/EPA600-MS										
Matrix Spike (BGL0645-MS1)	**Source: 23L0675-08**			Prepared: 12/15/2023 Analyzed: 12/18/2023						
bis (2-Chloroethyl) ether	876	98.1	ug/kg	1960	BLOD	44.6	10-100			
2,2'-Oxybis (1-chloropropane)	868	98.1	ug/kg	1960	BLOD	44.2	40-125			
bis (2-Ethylhexyl) phthalate	872	98.1	ug/kg	1960	BLOD	44.4	10-210			
Butyl benzyl phthalate	893	98.1	ug/kg	1960	BLOD	45.5	10-165			
Chrysene	1110	98.1	ug/kg	1960	BLOD	56.6	10-172			
Dibenz (a,h) anthracene	927	98.1	ug/kg	1960	BLOD	47.2	10-128			
Diethyl phthalate	1030	98.1	ug/kg	1960	BLOD	52.7	10-120			
Dimethyl phthalate	952	98.1	ug/kg	1960	BLOD	48.5	10-125			
Di-n-butyl phthalate	1400	98.1	ug/kg	1960	BLOD	71.4	10-133			
Di-n-octyl phthalate	896	98.1	ug/kg	1960	BLOD	45.7	10-196			
Fluoranthene	1320	98.1	ug/kg	1960	BLOD	67.1	10-271			
Fluorene	1090	98.1	ug/kg	1960	BLOD	55.4	10-124			
Hexachlorobenzene	708	98.1	ug/kg	1960	BLOD	36.1	10-125			
Hexachlorobutadiene	962	98.1	ug/kg	1960	BLOD	49.0	10-125			
Hexachlorocyclopentadiene	610	98.1	ug/kg	1960	BLOD	31.1	10-125			
Hexachloroethane	890	98.1	ug/kg	1960	BLOD	45.3	10-220			
Indeno (1,2,3-cd) pyrene	903	98.1	ug/kg	1960	BLOD	46.0	10-127			
Isophorone	642	98.1	ug/kg	1960	BLOD	32.7	10-110			
Naphthalene	1070	98.1	ug/kg	1960	BLOD	54.4	10-118			
Nitrobenzene	1040	98.1	ug/kg	1960	BLOD	52.9	10-126			
n-Nitrosodimethylamine	820	98.1	ug/kg	1960	BLOD	41.8	10-110			
n-Nitrosodi-n-propylamine	883	98.1	ug/kg	1960	BLOD	45.0	10-107			
n-Nitrosodiphenylamine	779	98.1	ug/kg	1960	BLOD	39.7	10-107			
p-Chloro-m-cresol	984	98.1	ug/kg	1960	BLOD	50.1	10-131			
Pentachlorophenol	543	98.1	ug/kg	1960	BLOD	27.6	10-151			

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0645 - SW3550C/EPA600-MS										
Matrix Spike (BGL0645-MS1)	**Source: 23L0675-08**			Prepared: 12/15/2023 Analyzed: 12/18/2023						
Phenanthrene	1180	98.1	ug/kg	1960	BLOD	60.2	10-393			
Phenol	977	98.1	ug/kg	1980	BLOD	49.2	10-133			
Pyrene	832	98.1	ug/kg	1960	BLOD	42.4	10-212			
Pyridine	738	98.1	ug/kg	1960	BLOD	37.6	0-200			
Surr: 2,4,6-Tribromophenol (Surr)	*1940*		ug/kg	*3930*		*49.4*	*15-96*			
Surr: 2-Fluorobiphenyl (Surr)	*1080*		ug/kg	*1960*		*55.1*	*19-105*			
Surr: 2-Fluorophenol (Surr)	*2250*		ug/kg	*3930*		*57.4*	*12-95*			
Surr: Nitrobenzene-d5 (Surr)	*1140*		ug/kg	*1960*		*57.8*	*21-100*			
Surr: Phenol-d5 (Surr)	*1930*		ug/kg	*3930*		*49.2*	*13-100*			
Surr: p-Terphenyl-d14 (Surr)	*877*		ug/kg	*1960*		*44.7*	*25-125*			
Matrix Spike (BGL0645-MS2)	**Source: 23L0675-08**			Prepared: 12/15/2023 Analyzed: 12/18/2023						
1,4-Dioxane (SIM)	21.6	3.92	ug/kg		BLOD		0-200			
Surr: Nitrobenzene-d5 (Surr)	*1840*		ug/kg	*1960*		*93.5*	*35-100*			
Matrix Spike Dup (BGL0645-MSD1)	**Source: 23L0675-08**			Prepared: 12/15/2023 Analyzed: 12/18/2023						
1,2,4-Trichlorobenzene	701	98.1	ug/kg	1960	BLOD	35.7	70-130	26.0	20	*M, P*
1,2-Dichlorobenzene	666	98.1	ug/kg	1960	BLOD	33.9	70-130	25.2	20	*M, P*
1,3-Dichlorobenzene	668	98.1	ug/kg	1960	BLOD	34.0	70-130	24.2	20	*M, P*
1,4-Dichlorobenzene	741	98.1	ug/kg	1960	BLOD	37.7	70-130	25.4	20	*M, P*
2,4,6-Trichlorophenol	771	98.1	ug/kg	1960	BLOD	39.3	10-115	28.8	20	*P*
2,4-Dichlorophenol	719	98.1	ug/kg	1960	BLOD	36.6	10-128	25.0	20	*P*
2,4-Dimethylphenol	616	98.1	ug/kg	1960	BLOD	31.4	10-121	27.9	20	*P*
2,4-Dinitrophenol	828	98.1	ug/kg	1960	BLOD	42.2	10-228	16.6	20	
2,4-Dinitrotoluene	871	98.1	ug/kg	1960	BLOD	44.4	10-141	20.7	20	*P*
2,6-Dinitrotoluene	871	98.1	ug/kg	1960	BLOD	44.4	15-140	20.7	20	*P*

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0645 - SW3550C/EPA600-MS										
Matrix Spike Dup (BGL0645-MSD1)	**Source: 23L0675-08**			Prepared: 12/15/2023 Analyzed: 12/18/2023						
2-Chloronaphthalene	750	98.1	ug/kg	1960	BLOD	38.2	10-108	29.3	20	*P*
2-Chlorophenol	746	98.1	ug/kg	1960	BLOD	38.0	10-117	26.2	20	*P*
2-Nitrophenol	805	98.1	ug/kg	1960	BLOD	41.0	10-131	26.3	20	*P*
3,3'-Dichlorobenzidine	408	98.1	ug/kg	1960	BLOD	20.8	10-110	29.3	20	*P*
4,6-Dinitro-2-methylphenol	942	98.1	ug/kg	1960	BLOD	48.0	10-110	22.3	20	*P*
4-Bromophenyl phenyl ether	715	98.1	ug/kg	1960	BLOD	36.4	10-119	20.6	20	*P*
4-Chlorophenyl phenyl ether	724	98.1	ug/kg	1960	BLOD	36.9	15-110	26.0	20	*P*
4-Nitrophenol	921	98.1	ug/kg	1960	BLOD	46.9	15-110	21.3	20	*P*
Acenaphthene	925	98.1	ug/kg	1960	BLOD	47.1	10-124	27.4	20	*P*
Acenaphthylene	900	98.1	ug/kg	1960	BLOD	45.9	10-118	23.8	20	*P*
Acetophenone	702	98.1	ug/kg	1960	BLOD	35.8	10-110	24.5	20	*P*
Anthracene	912	98.1	ug/kg	1960	BLOD	46.4	10-143	20.1	20	*P*
Benzo (a) anthracene	935	98.1	ug/kg	1960	BLOD	47.6	10-169	15.7	20	
Benzo (a) pyrene	929	98.1	ug/kg	1960	BLOD	47.3	10-149	19.7	20	
Benzo (b) fluoranthene	885	98.1	ug/kg	1960	BLOD	45.1	10-150	16.9	20	
Benzo (g,h,i) perylene	686	98.1	ug/kg	1960	BLOD	34.9	10-123	17.9	20	
Benzo (k) fluoranthene	989	98.1	ug/kg	1960	BLOD	50.4	10-211	17.4	20	
bis (2-Chloroethoxy) methane	689	98.1	ug/kg	1960	BLOD	35.1	10-108	23.6	20	*P*
bis (2-Chloroethyl) ether	653	98.1	ug/kg	1960	BLOD	33.3	10-100	29.2	20	*P*
2,2'-Oxybis (1-chloropropane)	677	98.1	ug/kg	1960	BLOD	34.5	40-125	24.8	20	*M, P*
bis (2-Ethylhexyl) phthalate	762	98.1	ug/kg	1960	BLOD	38.8	10-210	13.4	20	
Butyl benzyl phthalate	755	98.1	ug/kg	1960	BLOD	38.4	10-165	16.8	20	
Chrysene	956	98.1	ug/kg	1960	BLOD	48.7	10-172	14.9	20	
Dibenz (a,h) anthracene	778	98.1	ug/kg	1960	BLOD	39.6	10-128	17.4	20	
Diethyl phthalate	858	98.1	ug/kg	1960	BLOD	43.7	10-120	18.6	20	

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0645 - SW3550C/EPA600-MS										
Matrix Spike Dup (BGL0645-MSD1)	**Source: 23L0675-08**			Prepared: 12/15/2023 Analyzed: 12/18/2023						
Dimethyl phthalate	770	98.1	ug/kg	1960	BLOD	39.2	10-125	21.1	20	*P*
Di-n-butyl phthalate	1170	98.1	ug/kg	1960	BLOD	59.5	10-133	18.1	20	
Di-n-octyl phthalate	756	98.1	ug/kg	1960	BLOD	38.5	10-196	17.0	20	
Fluoranthene	1140	98.1	ug/kg	1960	BLOD	58.0	10-271	14.5	20	
Fluorene	854	98.1	ug/kg	1960	BLOD	43.5	10-124	23.9	20	*P*
Hexachlorobenzene	591	98.1	ug/kg	1960	BLOD	30.1	10-125	18.0	20	
Hexachlorobutadiene	747	98.1	ug/kg	1960	BLOD	38.0	10-125	25.1	20	*P*
Hexachlorocyclopentadiene	443	98.1	ug/kg	1960	BLOD	22.6	10-125	31.6	20	*P*
Hexachloroethane	702	98.1	ug/kg	1960	BLOD	35.7	10-220	23.7	20	*P*
Indeno (1,2,3-cd) pyrene	742	98.1	ug/kg	1960	BLOD	37.8	10-127	19.5	20	
Isophorone	499	98.1	ug/kg	1960	BLOD	25.4	10-110	25.0	20	*P*
Naphthalene	859	98.1	ug/kg	1960	BLOD	43.8	10-118	21.6	20	*P*
Nitrobenzene	812	98.1	ug/kg	1960	BLOD	41.4	10-126	24.5	20	*P*
n-Nitrosodimethylamine	603	98.1	ug/kg	1960	BLOD	30.7	10-110	30.5	20	*P*
n-Nitrosodi-n-propylamine	676	98.1	ug/kg	1960	BLOD	34.4	10-107	26.6	20	*P*
n-Nitrosodiphenylamine	618	98.1	ug/kg	1960	BLOD	31.5	10-107	23.0	20	*P*
p-Chloro-m-cresol	743	98.1	ug/kg	1960	BLOD	37.8	10-131	28.0	20	*P*
Pentachlorophenol	471	98.1	ug/kg	1960	BLOD	24.0	10-151	14.2	20	
Phenanthrene	1000	98.1	ug/kg	1960	BLOD	51.2	10-393	16.2	20	
Phenol	742	98.1	ug/kg	1980	BLOD	37.4	10-133	27.3	20	*P*
Pyrene	700	98.1	ug/kg	1960	BLOD	35.7	10-212	17.3	20	
Pyridine	183	98.1	ug/kg	1960	BLOD	9.30	0-200	121	20	*P*
Surr: 2,4,6-Tribromophenol (Surr)	*1630*		ug/kg	*3930*		*41.4*	*15-96*			
Surr: 2-Fluorobiphenyl (Surr)	*863*		ug/kg	*1960*		*43.9*	*19-105*			
Surr: 2-Fluorophenol (Surr)	*1810*		ug/kg	*3930*		*46.2*	*12-95*			

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0645 - SW3550C/EPA600-MS										
Matrix Spike Dup (BGL0645-MSD1)	**Source: 23L0675-08**			Prepared: 12/15/2023 Analyzed: 12/18/2023						
Surr: Nitrobenzene-d5 (Surr)	*911*		ug/kg	*1960*		*46.4*	*21-100*			
Surr: Phenol-d5 (Surr)	*1550*		ug/kg	*3930*		*39.4*	*13-100*			
Surr: p-Terphenyl-d14 (Surr)	*788*		ug/kg	*1960*		*40.1*	*25-125*			
Matrix Spike Dup (BGL0645-MSD2)	**Source: 23L0675-08**			Prepared: 12/15/2023 Analyzed: 12/18/2023						
1,4-Dioxane (SIM)	15.3	3.92	ug/kg		BLOD		0-200	34.0	20	*P*
Surr: Nitrobenzene-d5 (Surr)	*1420*		ug/kg	*1960*		*72.3*	*35-100*			
Batch BGL0670 - SW3550C/EPA600-MS										
Blank (BGL0670-BLK1)				Prepared: 12/15/2023 Analyzed: 12/16/2023						
1,2,4,5-Tetrachlorobenzene	ND	83.3	ug/kg							
1,2,4-Trichlorobenzene	ND	83.3	ug/kg							
1,2-Dichlorobenzene	ND	83.3	ug/kg							
1,2-Diphenylhydrazine	ND	83.3	ug/kg							
1,3-Dichlorobenzene	ND	83.3	ug/kg							
1,3-Dinitrobenzene	ND	83.3	ug/kg							
1,4-Dichlorobenzene	ND	83.3	ug/kg							
1-Chloronaphthalene	ND	83.3	ug/kg							
1-Naphthylamine	ND	83.3	ug/kg							
2,3,4,6-Tetrachlorophenol	ND	83.3	ug/kg							
2,4,5-Trichlorophenol	ND	83.3	ug/kg							
2,4,6-Trichlorophenol	ND	83.3	ug/kg							
2,4-Dichlorophenol	ND	83.3	ug/kg							
2,4-Dimethylphenol	ND	83.3	ug/kg							
2,4-Dinitrophenol	ND	83.3	ug/kg							

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Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0670 - SW3550C/EPA600-MS										
Blank (BGL0670-BLK1)				Prepared: 12/15/2023 Analyzed: 12/16/2023						
2,4-Dinitrotoluene	ND	83.3	ug/kg							
2,6-Dichlorophenol	ND	83.3	ug/kg							
2,6-Dinitrotoluene	ND	83.3	ug/kg							
2-Chloronaphthalene	ND	83.3	ug/kg							
2-Chlorophenol	ND	83.3	ug/kg							
2-Methylnaphthalene	ND	83.3	ug/kg							
2-Naphthylamine	ND	83.3	ug/kg							
2-Nitroaniline	ND	83.3	ug/kg							
2-Nitrophenol	ND	83.3	ug/kg							
3,3'-Dichlorobenzidine	ND	83.3	ug/kg							
3-Methylcholanthrene	ND	83.3	ug/kg							
3-Nitroaniline	ND	83.3	ug/kg							
4,6-Dinitro-2-methylphenol	ND	83.3	ug/kg							
4-Aminobiphenyl	ND	83.3	ug/kg							
4-Bromophenyl phenyl ether	ND	83.3	ug/kg							
4-Chloroaniline	ND	83.3	ug/kg							
4-Chlorophenyl phenyl ether	ND	83.3	ug/kg							
4-Nitroaniline	ND	83.3	ug/kg							
4-Nitrophenol	ND	83.3	ug/kg							
7,12-Dimethylbenz (a) anthracene	ND	83.3	ug/kg							
Acenaphthene	ND	83.3	ug/kg							
Acenaphthylene	ND	83.3	ug/kg							
Acetophenone	ND	83.3	ug/kg							
Aniline	ND	83.3	ug/kg							
Anthracene	ND	83.3	ug/kg							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0670 - SW3550C/EPA600-MS										
Blank (BGL0670-BLK1)				Prepared: 12/15/2023 Analyzed: 12/16/2023						
Benzidine	ND	83.3	ug/kg							
Benzo (a) anthracene	ND	83.3	ug/kg							
Benzo (a) pyrene	ND	83.3	ug/kg							
Benzo (b) fluoranthene	ND	83.3	ug/kg							
Benzo (g,h,i) perylene	ND	83.3	ug/kg							
Benzo (k) fluoranthene	ND	83.3	ug/kg							
Benzoic acid	ND	83.3	ug/kg							
Benzyl alcohol	ND	83.3	ug/kg							
bis (2-Chloroethoxy) methane	ND	83.3	ug/kg							
bis (2-Chloroethyl) ether	ND	83.3	ug/kg							
2,2'-Oxybis (1-chloropropane)	ND	83.3	ug/kg							
bis (2-Ethylhexyl) phthalate	ND	83.3	ug/kg							
Butyl benzyl phthalate	ND	83.3	ug/kg							
Chrysene	ND	83.3	ug/kg							
Dibenz (a,h) anthracene	ND	83.3	ug/kg							
Dibenz (a,j) acridine	ND	83.3	ug/kg							
Dibenzofuran	ND	83.3	ug/kg							
Diethyl phthalate	ND	83.3	ug/kg							
Dimethyl phthalate	ND	83.3	ug/kg							
Di-n-butyl phthalate	ND	83.3	ug/kg							
Di-n-octyl phthalate	ND	83.3	ug/kg							
Diphenylamine	ND	83.3	ug/kg							
Ethyl methanesulfonate	ND	83.3	ug/kg							
Fluoranthene	ND	83.3	ug/kg							
Fluorene	ND	83.3	ug/kg							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0670 - SW3550C/EPA600-MS										
Blank (BGL0670-BLK1)				Prepared: 12/15/2023 Analyzed: 12/16/2023						
Hexachlorobenzene	ND	83.3	ug/kg							
Hexachlorobutadiene	ND	83.3	ug/kg							
Hexachlorocyclopentadiene	ND	83.3	ug/kg							
Hexachloroethane	ND	83.3	ug/kg							
Indeno (1,2,3-cd) pyrene	ND	83.3	ug/kg							
Isophorone	ND	83.3	ug/kg							
m+p-Cresols	ND	83.3	ug/kg							
Methyl methanesulfonate	ND	83.3	ug/kg							
Naphthalene	ND	83.3	ug/kg							
Nitrobenzene	ND	83.3	ug/kg							
n-Nitrosodimethylamine	ND	83.3	ug/kg							
n-Nitrosodi-n-butylamine	ND	83.3	ug/kg							
n-Nitrosodi-n-propylamine	ND	83.3	ug/kg							
n-Nitrosodiphenylamine	ND	83.3	ug/kg							
n-Nitrosopiperidine	ND	83.3	ug/kg							
o+m+p-Cresols	ND	83.3	ug/kg							
o-Cresol	ND	83.3	ug/kg							
p-(Dimethylamino) azobenzene	ND	83.3	ug/kg							
p-Chloro-m-cresol	ND	83.3	ug/kg							
Pentachloronitrobenzene (quintozene)	ND	83.3	ug/kg							
Pentachlorophenol	ND	83.3	ug/kg							
Phenacetin	ND	83.3	ug/kg							
Phenanthrene	ND	83.3	ug/kg							
Phenol	ND	83.3	ug/kg							
Pronamide	ND	83.3	ug/kg							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0670 - SW3550C/EPA600-MS										
Blank (BGL0670-BLK1)				Prepared: 12/15/2023 Analyzed: 12/16/2023						
Pyrene	ND	83.3	ug/kg							
Pyridine	ND	83.3	ug/kg							
Surr: 2,4,6-Tribromophenol (Surr)	*1850*		ug/kg	*3300*		*55.9*	*15-96*			
Surr: 2-Fluorobiphenyl (Surr)	*856*		ug/kg	*1650*		*51.9*	*19-105*			
Surr: 2-Fluorophenol (Surr)	*1760*		ug/kg	*3300*		*53.3*	*12-95*			
Surr: Nitrobenzene-d5 (Surr)	*858*		ug/kg	*1650*		*52.0*	*21-100*			
Surr: Phenol-d5 (Surr)	*1770*		ug/kg	*3300*		*53.7*	*13-100*			
Surr: p-Terphenyl-d14 (Surr)	*957*		ug/kg	*1650*		*58.0*	*25-125*			
Blank (BGL0670-BLK2)				Prepared: 12/15/2023 Analyzed: 12/18/2023						
1,4-Dioxane (SIM)	ND	3.33	ug/kg							
Surr: Nitrobenzene-d5 (Surr)	*907*		ug/kg	*1670*		*54.4*	*35-100*			
LCS (BGL0670-BS1)				Prepared: 12/15/2023 Analyzed: 12/16/2023						
1,2,4-Trichlorobenzene	792	83.3	ug/kg	1630		48.5	70-130			*L*
1,2-Dichlorobenzene	859	83.3	ug/kg	1630		52.6	70-130			*L*
1,3-Dichlorobenzene	815	83.3	ug/kg	1630		49.9	70-130			*L*
1,4-Dichlorobenzene	853	83.3	ug/kg	1630		52.2	70-130			*L*
2,4,6-Trichlorophenol	994	83.3	ug/kg	1630		60.8	20-115			
2,4-Dichlorophenol	920	83.3	ug/kg	1630		56.3	20-111			
2,4-Dimethylphenol	964	83.3	ug/kg	1630		59.0	20-110			
2,4-Dinitrophenol	908	83.3	ug/kg	1630		55.6	10-169			
2,4-Dinitrotoluene	1030	83.3	ug/kg	1630		63.2	21-125			
2,6-Dinitrotoluene	885	83.3	ug/kg	1630		54.2	15-140			
2-Chloronaphthalene	913	83.3	ug/kg	1630		55.9	22-105			
2-Chlorophenol	922	83.3	ug/kg	1630		56.4	15-107			

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Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0670 - SW3550C/EPA600-MS										
LCS (BGL0670-BS1)				Prepared: 12/15/2023 Analyzed: 12/16/2023						
2-Nitrophenol	900	83.3	ug/kg	1630		55.1	20-115			
3,3'-Dichlorobenzidine	797	83.3	ug/kg	1630		48.8	10-110			
4,6-Dinitro-2-methylphenol	866	83.3	ug/kg	1630		53.0	40-130			
4-Bromophenyl phenyl ether	866	83.3	ug/kg	1630		53.0	20-114			
4-Chlorophenyl phenyl ether	821	83.3	ug/kg	1630		50.2	15-110			
4-Nitrophenol	922	83.3	ug/kg	1630		56.4	15-110			
Acenaphthene	946	83.3	ug/kg	1630		57.9	24-110			
Acenaphthylene	1020	83.3	ug/kg	1630		62.7	25-106			
Acetophenone	864	83.3	ug/kg	1630		52.9	25-106			
Anthracene	967	83.3	ug/kg	1630		59.2	25-117			
Benzo (a) anthracene	997	83.3	ug/kg	1630		61.0	25-127			
Benzo (a) pyrene	1120	83.3	ug/kg	1630		68.6	18-127			
Benzo (b) fluoranthene	1070	83.3	ug/kg	1630		65.4	20-132			
Benzo (g,h,i) perylene	942	83.3	ug/kg	1630		57.6	10-136			
Benzo (k) fluoranthene	1120	83.3	ug/kg	1630		68.7	14-136			
bis (2-Chloroethoxy) methane	876	83.3	ug/kg	1630		53.6	20-100			
bis (2-Chloroethyl) ether	810	83.3	ug/kg	1630		49.6	13-100			
2,2'-Oxybis (1-chloropropane)	903	83.3	ug/kg	1630		55.3	40-125			
bis (2-Ethylhexyl) phthalate	824	83.3	ug/kg	1630		50.4	18-137			
Butyl benzyl phthalate	987	83.3	ug/kg	1630		60.4	20-141			
Chrysene	1090	83.3	ug/kg	1630		66.5	21-141			
Dibenz (a,h) anthracene	997	83.3	ug/kg	1630		61.0	10-142			
Diethyl phthalate	941	83.3	ug/kg	1630		57.6	20-120			
Dimethyl phthalate	854	83.3	ug/kg	1630		52.3	23-109			
Di-n-butyl phthalate	1160	83.3	ug/kg	1630		71.1	18-136			

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0670 - SW3550C/EPA600-MS										
LCS (BGL0670-BS1)				Prepared: 12/15/2023 Analyzed: 12/16/2023						
Di-n-octyl phthalate	1180	83.3	ug/kg	1630		72.3	10-160			
Fluoranthene	1210	83.3	ug/kg	1630		73.8	19-138			
Fluorene	968	83.3	ug/kg	1630		59.2	25-114			
Hexachlorobenzene	726	83.3	ug/kg	1630		44.4	20-113			
Hexachlorobutadiene	858	83.3	ug/kg	1630		52.5	25-125			
Hexachlorocyclopentadiene	477	83.3	ug/kg	1630		29.2	10-125			
Hexachloroethane	929	83.3	ug/kg	1630		56.9	25-125			
Indeno (1,2,3-cd) pyrene	944	83.3	ug/kg	1630		57.8	10-136			
Isophorone	616	83.3	ug/kg	1630		37.7	10-110			
Naphthalene	925	83.3	ug/kg	1630		56.6	18-109			
Nitrobenzene	958	83.3	ug/kg	1630		58.7	18-104			
n-Nitrosodimethylamine	788	83.3	ug/kg	1630		48.2	18-110			
n-Nitrosodi-n-propylamine	881	83.3	ug/kg	1630		53.9	12-102			
n-Nitrosodiphenylamine	771	83.3	ug/kg	1630		47.2	12-97			
p-Chloro-m-cresol	961	83.3	ug/kg	1630		58.8	24-120			
Pentachlorophenol	795	83.3	ug/kg	1630		48.7	10-116			
Phenanthrene	1030	83.3	ug/kg	1630		63.0	25-122			
Phenol	871	83.3	ug/kg	1650		52.8	12-115			
Pyrene	1040	83.3	ug/kg	1630		63.6	17-159			
Pyridine	7530	83.3	ug/kg	1630		461	0-200			*L*
Surr: 2,4,6-Tribromophenol (Surr)	*2150*		ug/kg	*3270*		*65.8*	*15-96*			
Surr: 2-Fluorobiphenyl (Surr)	*896*		ug/kg	*1630*		*54.8*	*19-105*			
Surr: 2-Fluorophenol (Surr)	*1940*		ug/kg	*3270*		*59.4*	*12-95*			
Surr: Nitrobenzene-d5 (Surr)	*942*		ug/kg	*1630*		*57.6*	*21-100*			
Surr: Phenol-d5 (Surr)	*1930*		ug/kg	*3270*		*58.9*	*13-100*			

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0670 - SW3550C/EPA600-MS										
LCS (BGL0670-BS1)				Prepared: 12/15/2023 Analyzed: 12/16/2023						
Surr: p-Terphenyl-d14 (Surr)	*958*		ug/kg	*1630*		*58.6*	*25-125*			
LCS (BGL0670-BS2)				Prepared: 12/15/2023 Analyzed: 12/18/2023						
1,4-Dioxane (SIM)	26.7	3.30	ug/kg				0-200			
Surr: Nitrobenzene-d5 (Surr)	*974*		ug/kg	*1630*		*59.8*	*35-100*			
Matrix Spike (BGL0670-MS1)	**Source: 23L0795-06**			Prepared: 12/15/2023 Analyzed: 12/16/2023						
1,2,4-Trichlorobenzene	769	98.1	ug/kg	1960	BLOD	39.2	70-130			*M*
1,2-Dichlorobenzene	755	98.1	ug/kg	1960	BLOD	38.5	70-130			*M*
1,3-Dichlorobenzene	677	98.1	ug/kg	1960	BLOD	34.5	70-130			*M*
1,4-Dichlorobenzene	727	98.1	ug/kg	1960	BLOD	37.0	70-130			*M*
2,4,6-Trichlorophenol	1100	98.1	ug/kg	1960	BLOD	56.2	10-115			
2,4-Dichlorophenol	1020	98.1	ug/kg	1960	BLOD	51.8	10-128			
2,4-Dimethylphenol	871	98.1	ug/kg	1960	BLOD	44.4	10-121			
2,4-Dinitrophenol	1020	98.1	ug/kg	1960	BLOD	52.0	10-228			
2,4-Dinitrotoluene	1170	98.1	ug/kg	1960	BLOD	59.7	10-141			
2,6-Dinitrotoluene	995	98.1	ug/kg	1960	BLOD	50.7	15-140			
2-Chloronaphthalene	986	98.1	ug/kg	1960	BLOD	50.3	10-108			
2-Chlorophenol	990	98.1	ug/kg	1960	BLOD	50.5	10-117			
2-Nitrophenol	997	98.1	ug/kg	1960	BLOD	50.8	10-131			
3,3'-Dichlorobenzidine	497	98.1	ug/kg	1960	BLOD	25.3	10-110			
4,6-Dinitro-2-methylphenol	1030	98.1	ug/kg	1960	BLOD	52.6	10-110			
4-Bromophenyl phenyl ether	943	98.1	ug/kg	1960	BLOD	48.1	10-119			
4-Chlorophenyl phenyl ether	891	98.1	ug/kg	1960	BLOD	45.4	15-110			
4-Nitrophenol	1160	98.1	ug/kg	1960	BLOD	59.1	15-110			
Acenaphthene	1030	98.1	ug/kg	1960	BLOD	52.3	10-124			

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0670 - SW3550C/EPA600-MS										
Matrix Spike (BGL0670-MS1)	**Source: 23L0795-06**			Prepared: 12/15/2023 Analyzed: 12/16/2023						
Acenaphthylene	1110	98.1	ug/kg	1960	BLOD	56.8	10-118			
Acetophenone	977	98.1	ug/kg	1960	BLOD	49.8	10-110			
Anthracene	1020	98.1	ug/kg	1960	BLOD	52.1	10-143			
Benzo (a) anthracene	1060	98.1	ug/kg	1960	BLOD	53.9	10-169			
Benzo (a) pyrene	1170	98.1	ug/kg	1960	BLOD	59.5	10-149			
Benzo (b) fluoranthene	1180	98.1	ug/kg	1960	BLOD	60.3	10-150			
Benzo (g,h,i) perylene	910	98.1	ug/kg	1960	BLOD	46.4	10-123			
Benzo (k) fluoranthene	1190	98.1	ug/kg	1960	BLOD	60.6	10-211			
bis (2-Chloroethoxy) methane	954	98.1	ug/kg	1960	BLOD	48.6	10-108			
bis (2-Chloroethyl) ether	877	98.1	ug/kg	1960	BLOD	44.7	10-100			
2,2'-Oxybis (1-chloropropane)	932	98.1	ug/kg	1960	BLOD	47.5	40-125			
bis (2-Ethylhexyl) phthalate	886	98.1	ug/kg	1960	BLOD	45.1	10-210			
Butyl benzyl phthalate	1040	98.1	ug/kg	1960	BLOD	53.2	10-165			
Chrysene	1120	98.1	ug/kg	1960	BLOD	57.3	10-172			
Dibenz (a,h) anthracene	994	98.1	ug/kg	1960	BLOD	50.7	10-128			
Diethyl phthalate	1050	98.1	ug/kg	1960	BLOD	53.6	10-120			
Dimethyl phthalate	973	98.1	ug/kg	1960	BLOD	49.6	10-125			
Di-n-butyl phthalate	1150	98.1	ug/kg	1960	BLOD	58.8	10-133			
Di-n-octyl phthalate	1340	98.1	ug/kg	1960	BLOD	68.2	10-196			
Fluoranthene	1230	98.1	ug/kg	1960	BLOD	62.7	10-271			
Fluorene	1060	98.1	ug/kg	1960	BLOD	54.2	10-124			
Hexachlorobenzene	779	98.1	ug/kg	1960	BLOD	39.7	10-125			
Hexachlorobutadiene	777	98.1	ug/kg	1960	BLOD	39.6	10-125			
Hexachlorocyclopentadiene	532	98.1	ug/kg	1960	BLOD	27.1	10-125			
Hexachloroethane	752	98.1	ug/kg	1960	BLOD	38.3	10-220			

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0670 - SW3550C/EPA600-MS										
Matrix Spike (BGL0670-MS1)	**Source: 23L0795-06**			Prepared: 12/15/2023 Analyzed: 12/16/2023						
Indeno (1,2,3-cd) pyrene	934	98.1	ug/kg	1960	BLOD	47.6	10-127			
Isophorone	677	98.1	ug/kg	1960	BLOD	34.5	10-110			
Naphthalene	918	98.1	ug/kg	1960	BLOD	46.8	10-118			
Nitrobenzene	1030	98.1	ug/kg	1960	BLOD	52.6	10-126			
n-Nitrosodimethylamine	926	98.1	ug/kg	1960	BLOD	47.2	10-110			
n-Nitrosodi-n-propylamine	970	98.1	ug/kg	1960	BLOD	49.4	10-107			
n-Nitrosodiphenylamine	794	98.1	ug/kg	1960	BLOD	40.5	10-107			
p-Chloro-m-cresol	1060	98.1	ug/kg	1960	BLOD	54.2	10-131			
Pentachlorophenol	949	98.1	ug/kg	1960	BLOD	48.4	10-151			
Phenanthrene	1100	98.1	ug/kg	1960	BLOD	56.3	10-393			
Phenol	943	98.1	ug/kg	1980	BLOD	47.6	10-133			
Pyrene	1120	98.1	ug/kg	1960	BLOD	57.0	10-212			
Pyridine	954	98.1	ug/kg	1960	BLOD	48.6	0-200			
Surr: 2,4,6-Tribromophenol (Surr)	*2360*		ug/kg	*3920*		*60.1*	*15-96*			
Surr: 2-Fluorobiphenyl (Surr)	*928*		ug/kg	*1960*		*47.3*	*19-105*			
Surr: 2-Fluorophenol (Surr)	*2100*		ug/kg	*3920*		*53.6*	*12-95*			
Surr: Nitrobenzene-d5 (Surr)	*1020*		ug/kg	*1960*		*52.2*	*21-100*			
Surr: Phenol-d5 (Surr)	*2090*		ug/kg	*3920*		*53.3*	*13-100*			
Surr: p-Terphenyl-d14 (Surr)	*979*		ug/kg	*1960*		*49.9*	*25-125*			
Matrix Spike (BGL0670-MS2)	**Source: 23L0795-06**			Prepared: 12/15/2023 Analyzed: 12/18/2023						
1,4-Dioxane (SIM)	22.4	3.93	ug/kg		BLOD		0-200			
Surr: Nitrobenzene-d5 (Surr)	*1170*		ug/kg	*1970*		*59.2*	*35-100*			
Matrix Spike Dup (BGL0670-MSD1)	**Source: 23L0795-06**			Prepared: 12/15/2023 Analyzed: 12/16/2023						
1,2,4-Trichlorobenzene	758	96.5	ug/kg	1930	BLOD	39.3	70-130	1.39	20	*M*

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Batch BGL0670 - SW3550C/EPA600-MS										
Matrix Spike Dup (BGL0670-MSD1)	**Source: 23L0795-06**			Prepared: 12/15/2023 Analyzed: 12/16/2023						
1,2-Dichlorobenzene	731	96.5	ug/kg	1930	BLOD	37.9	70-130	3.22	20	*M*
1,3-Dichlorobenzene	657	96.5	ug/kg	1930	BLOD	34.1	70-130	2.93	20	*M*
1,4-Dichlorobenzene	707	96.5	ug/kg	1930	BLOD	36.6	70-130	2.73	20	*M*
2,4,6-Trichlorophenol	1090	96.5	ug/kg	1930	BLOD	56.4	10-115	1.26	20	
2,4-Dichlorophenol	997	96.5	ug/kg	1930	BLOD	51.7	10-128	1.92	20	
2,4-Dimethylphenol	856	96.5	ug/kg	1930	BLOD	44.4	10-121	1.74	20	
2,4-Dinitrophenol	1050	96.5	ug/kg	1930	BLOD	54.4	10-228	2.83	20	
2,4-Dinitrotoluene	1150	96.5	ug/kg	1930	BLOD	59.7	10-141	1.78	20	
2,6-Dinitrotoluene	983	96.5	ug/kg	1930	BLOD	50.9	15-140	1.21	20	
2-Chloronaphthalene	972	96.5	ug/kg	1930	BLOD	50.3	10-108	1.53	20	
2-Chlorophenol	967	96.5	ug/kg	1930	BLOD	50.1	10-117	2.40	20	
2-Nitrophenol	979	96.5	ug/kg	1930	BLOD	50.7	10-131	1.77	20	
3,3'-Dichlorobenzidine	478	96.5	ug/kg	1930	BLOD	24.8	10-110	3.96	20	
4,6-Dinitro-2-methylphenol	1000	96.5	ug/kg	1930	BLOD	51.9	10-110	3.10	20	
4-Bromophenyl phenyl ether	936	96.5	ug/kg	1930	BLOD	48.5	10-119	0.695	20	
4-Chlorophenyl phenyl ether	888	96.5	ug/kg	1930	BLOD	46.0	15-110	0.335	20	
4-Nitrophenol	1130	96.5	ug/kg	1930	BLOD	58.5	15-110	2.63	20	
Acenaphthene	1020	96.5	ug/kg	1930	BLOD	52.8	10-124	0.697	20	
Acenaphthylene	1110	96.5	ug/kg	1930	BLOD	57.3	10-118	0.806	20	
Acetophenone	976	96.5	ug/kg	1930	BLOD	50.6	10-110	0.134	20	
Anthracene	1030	96.5	ug/kg	1930	BLOD	53.5	10-143	1.04	20	
Benzidine	ND	96.5	ug/kg	1930	BLOD		55-110		20	*M*
Benzo (a) anthracene	1060	96.5	ug/kg	1930	BLOD	55.2	10-169	0.700	20	
Benzo (a) pyrene	1160	96.5	ug/kg	1930	BLOD	60.0	10-149	0.744	20	
Benzo (b) fluoranthene	1280	96.5	ug/kg	1930	BLOD	66.5	10-150	8.20	20	

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0670 - SW3550C/EPA600-MS										
Matrix Spike Dup (BGL0670-MSD1)	**Source: 23L0795-06**			Prepared: 12/15/2023 Analyzed: 12/16/2023						
Benzo (g,h,i) perylene	926	96.5	ug/kg	1930	BLOD	48.0	10-123	1.70	20	
Benzo (k) fluoranthene	1050	96.5	ug/kg	1930	BLOD	54.2	10-211	12.8	20	
bis (2-Chloroethoxy) methane	954	96.5	ug/kg	1930	BLOD	49.4	10-108	0.0661	20	
bis (2-Chloroethyl) ether	853	96.5	ug/kg	1930	BLOD	44.2	10-100	2.77	20	
2,2'-Oxybis (1-chloropropane)	909	96.5	ug/kg	1930	BLOD	47.1	40-125	2.58	20	
bis (2-Ethylhexyl) phthalate	893	96.5	ug/kg	1930	BLOD	46.3	10-210	0.803	20	
Butyl benzyl phthalate	1050	96.5	ug/kg	1930	BLOD	54.5	10-165	0.768	20	
Chrysene	1130	96.5	ug/kg	1930	BLOD	58.6	10-172	0.699	20	
Dibenz (a,h) anthracene	1000	96.5	ug/kg	1930	BLOD	52.0	10-128	1.04	20	
Diethyl phthalate	1040	96.5	ug/kg	1930	BLOD	54.0	10-120	0.941	20	
Dimethyl phthalate	959	96.5	ug/kg	1930	BLOD	49.7	10-125	1.45	20	
Di-n-butyl phthalate	1160	96.5	ug/kg	1930	BLOD	59.9	10-133	0.139	20	
Di-n-octyl phthalate	1330	96.5	ug/kg	1930	BLOD	68.9	10-196	0.655	20	
Fluoranthene	1250	96.5	ug/kg	1930	BLOD	64.7	10-271	1.46	20	
Fluorene	1070	96.5	ug/kg	1930	BLOD	55.2	10-124	0.181	20	
Hexachlorobenzene	778	96.5	ug/kg	1930	BLOD	40.3	10-125	0.0971	20	
Hexachlorobutadiene	768	96.5	ug/kg	1930	BLOD	39.8	10-125	1.09	20	
Hexachlorocyclopentadiene	532	96.5	ug/kg	1930	BLOD	27.6	10-125	0.108	20	
Hexachloroethane	728	96.5	ug/kg	1930	BLOD	37.7	10-220	3.28	20	
Indeno (1,2,3-cd) pyrene	948	96.5	ug/kg	1930	BLOD	49.1	10-127	1.54	20	
Isophorone	672	96.5	ug/kg	1930	BLOD	34.8	10-110	0.782	20	
Naphthalene	907	96.5	ug/kg	1930	BLOD	47.0	10-118	1.26	20	
Nitrobenzene	1010	96.5	ug/kg	1930	BLOD	52.5	10-126	1.91	20	
n-Nitrosodimethylamine	888	96.5	ug/kg	1930	BLOD	46.0	10-110	4.14	20	
n-Nitrosodi-n-propylamine	961	96.5	ug/kg	1930	BLOD	49.8	10-107	0.922	20	

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0670 - SW3550C/EPA600-MS										
Matrix Spike Dup (BGL0670-MSD1)	**Source: 23L0795-06**			Prepared: 12/15/2023 Analyzed: 12/16/2023						
n-Nitrosodiphenylamine	773	96.5	ug/kg	1930	BLOD	40.1	10-107	2.64	20	
p-Chloro-m-cresol	1050	96.5	ug/kg	1930	BLOD	54.6	10-131	1.02	20	
Pentachlorophenol	933	96.5	ug/kg	1930	BLOD	48.3	10-151	1.69	20	
Phenanthrene	1110	96.5	ug/kg	1930	BLOD	57.6	10-393	0.670	20	
Phenol	931	96.5	ug/kg	1950	BLOD	47.7	10-133	1.36	20	
Pyrene	1090	96.5	ug/kg	1930	BLOD	56.6	10-212	2.42	20	
Pyridine	919	96.5	ug/kg	1930	BLOD	47.6	0-200	3.64	20	
Surr: 2,4,6-Tribromophenol (Surr)	*2310*		ug/kg	*3860*		*59.8*	*15-96*			
Surr: 2-Fluorobiphenyl (Surr)	*922*		ug/kg	*1930*		*47.8*	*19-105*			
Surr: 2-Fluorophenol (Surr)	*2010*		ug/kg	*3860*		*52.1*	*12-95*			
Surr: Nitrobenzene-d5 (Surr)	*992*		ug/kg	*1930*		*51.4*	*21-100*			
Surr: Phenol-d5 (Surr)	*2040*		ug/kg	*3860*		*52.8*	*13-100*			
Surr: p-Terphenyl-d14 (Surr)	*983*		ug/kg	*1930*		*51.0*	*25-125*			
Matrix Spike Dup (BGL0670-MSD2)	**Source: 23L0795-06**			Prepared: 12/15/2023 Analyzed: 12/19/2023						
1,4-Dioxane (SIM)	21.7	3.93	ug/kg		BLOD		0-200	3.57	20	
Surr: Nitrobenzene-d5 (Surr)	*1040*		ug/kg	*1970*		*53.1*	*35-100*			
Batch BGL0784 - SW3550C/EPA600-MS										
Blank (BGL0784-BLK1)				Prepared: 12/18/2023 Analyzed: 12/21/2023						
1,2,4,5-Tetrachlorobenzene	ND	83.3	ug/kg							
1,2,4-Trichlorobenzene	ND	83.3	ug/kg							
1,2-Dichlorobenzene	ND	83.3	ug/kg							
1,2-Diphenylhydrazine	ND	83.3	ug/kg							
1,3-Dichlorobenzene	ND	83.3	ug/kg							

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Batch BGL0784 - SW3550C/EPA600-MS										
Blank (BGL0784-BLK1)				Prepared: 12/18/2023 Analyzed: 12/21/2023						
1,3-Dinitrobenzene	ND	83.3	ug/kg							
1,4-Dichlorobenzene	ND	83.3	ug/kg							
1-Chloronaphthalene	ND	83.3	ug/kg							
1-Naphthylamine	ND	83.3	ug/kg							
2,3,4,6-Tetrachlorophenol	ND	83.3	ug/kg							
2,4,5-Trichlorophenol	ND	83.3	ug/kg							
2,4,6-Trichlorophenol	ND	83.3	ug/kg							
2,4-Dichlorophenol	ND	83.3	ug/kg							
2,4-Dimethylphenol	ND	83.3	ug/kg							
2,4-Dinitrophenol	ND	83.3	ug/kg							
2,4-Dinitrotoluene	ND	83.3	ug/kg							
2,6-Dichlorophenol	ND	83.3	ug/kg							
2,6-Dinitrotoluene	ND	83.3	ug/kg							
2-Chloronaphthalene	ND	83.3	ug/kg							
2-Chlorophenol	ND	83.3	ug/kg							
2-Methylnaphthalene	ND	83.3	ug/kg							
2-Naphthylamine	ND	83.3	ug/kg							
2-Nitroaniline	ND	83.3	ug/kg							
2-Nitrophenol	ND	83.3	ug/kg							
3,3'-Dichlorobenzidine	ND	83.3	ug/kg							
3-Methylcholanthrene	ND	83.3	ug/kg							
3-Nitroaniline	ND	83.3	ug/kg							
4,6-Dinitro-2-methylphenol	ND	83.3	ug/kg							
4-Aminobiphenyl	ND	83.3	ug/kg							
4-Bromophenyl phenyl ether	ND	83.3	ug/kg							

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Batch BGL0784 - SW3550C/EPA600-MS										
Blank (BGL0784-BLK1)				Prepared: 12/18/2023 Analyzed: 12/21/2023						
4-Chloroaniline	ND	83.3	ug/kg							
4-Chlorophenyl phenyl ether	ND	83.3	ug/kg							
4-Nitroaniline	ND	83.3	ug/kg							
4-Nitrophenol	ND	83.3	ug/kg							
7,12-Dimethylbenz (a) anthracene	ND	83.3	ug/kg							
Acenaphthene	ND	83.3	ug/kg							
Acenaphthylene	ND	83.3	ug/kg							
Acetophenone	ND	83.3	ug/kg							
Aniline	ND	83.3	ug/kg							
Anthracene	ND	83.3	ug/kg							
Benzidine	ND	83.3	ug/kg							
Benzo (a) anthracene	ND	83.3	ug/kg							
Benzo (a) pyrene	ND	83.3	ug/kg							
Benzo (b) fluoranthene	ND	83.3	ug/kg							
Benzo (g,h,i) perylene	ND	83.3	ug/kg							
Benzo (k) fluoranthene	ND	83.3	ug/kg							
Benzoic acid	ND	83.3	ug/kg							
Benzyl alcohol	ND	83.3	ug/kg							
bis (2-Chloroethoxy) methane	ND	83.3	ug/kg							
bis (2-Chloroethyl) ether	ND	83.3	ug/kg							
2,2'-Oxybis (1-chloropropane)	ND	83.3	ug/kg							
bis (2-Ethylhexyl) phthalate	ND	83.3	ug/kg							
Butyl benzyl phthalate	ND	83.3	ug/kg							
Chrysene	ND	83.3	ug/kg							
Dibenz (a,h) anthracene	ND	83.3	ug/kg							

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Batch BGL0784 - SW3550C/EPA600-MS										
Blank (BGL0784-BLK1)				Prepared: 12/18/2023 Analyzed: 12/21/2023						
Dibenz (a,j) acridine	ND	83.3	ug/kg							
Dibenzofuran	ND	83.3	ug/kg							
Diethyl phthalate	ND	83.3	ug/kg							
Dimethyl phthalate	ND	83.3	ug/kg							
Di-n-butyl phthalate	ND	83.3	ug/kg							
Di-n-octyl phthalate	ND	83.3	ug/kg							
Diphenylamine	ND	83.3	ug/kg							
Ethyl methanesulfonate	ND	83.3	ug/kg							
Fluoranthene	ND	83.3	ug/kg							
Fluorene	ND	83.3	ug/kg							
Hexachlorobenzene	ND	83.3	ug/kg							
Hexachlorobutadiene	ND	83.3	ug/kg							
Hexachlorocyclopentadiene	ND	83.3	ug/kg							
Hexachloroethane	ND	83.3	ug/kg							
Indeno (1,2,3-cd) pyrene	ND	83.3	ug/kg							
Isophorone	ND	83.3	ug/kg							
m+p-Cresols	ND	83.3	ug/kg							
Methyl methanesulfonate	ND	83.3	ug/kg							
Naphthalene	ND	83.3	ug/kg							
Nitrobenzene	ND	83.3	ug/kg							
n-Nitrosodimethylamine	ND	83.3	ug/kg							
n-Nitrosodi-n-butylamine	ND	83.3	ug/kg							
n-Nitrosodi-n-propylamine	ND	83.3	ug/kg							
n-Nitrosodiphenylamine	ND	83.3	ug/kg							
n-Nitrosopiperidine	ND	83.3	ug/kg							

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0784 - SW3550C/EPA600-MS										
Blank (BGL0784-BLK1)				Prepared: 12/18/2023 Analyzed: 12/21/2023						
o+m+p-Cresols	ND	83.3	ug/kg							
o-Cresol	ND	83.3	ug/kg							
p-(Dimethylamino) azobenzene	ND	83.3	ug/kg							
p-Chloro-m-cresol	ND	83.3	ug/kg							
Pentachloronitrobenzene (quintozene)	ND	83.3	ug/kg							
Pentachlorophenol	ND	83.3	ug/kg							
Phenacetin	ND	83.3	ug/kg							
Phenanthrene	82.8	83.3	ug/kg							*B*
Phenol	ND	83.3	ug/kg							
Pronamide	ND	83.3	ug/kg							
Pyrene	ND	83.3	ug/kg							
Pyridine	ND	83.3	ug/kg							
Surr: 2,4,6-Tribromophenol (Surr)	*2670*		ug/kg	*3300*		*80.8*	*15-96*			
Surr: 2-Fluorobiphenyl (Surr)	*1360*		ug/kg	*1650*		*82.1*	*19-105*			
Surr: 2-Fluorophenol (Surr)	*1840*		ug/kg	*3300*		*55.6*	*12-95*			
Surr: Nitrobenzene-d5 (Surr)	*1280*		ug/kg	*1650*		*77.4*	*21-100*			
Surr: Phenol-d5 (Surr)	*1010*		ug/kg	*3300*		*30.7*	*13-100*			
Surr: p-Terphenyl-d14 (Surr)	*1240*		ug/kg	*1650*		*74.9*	*25-125*			
Blank (BGL0784-BLK2)				Prepared: 12/18/2023 Analyzed: 12/19/2023						
1,4-Dioxane (SIM)	ND	3.33	ug/kg							
Surr: Nitrobenzene-d5 (Surr)	*1520*		ug/kg	*1670*		*91.2*	*35-100*			
LCS (BGL0784-BS1)				Prepared: 12/18/2023 Analyzed: 12/19/2023						
1,2,4-Trichlorobenzene	952	83.3	ug/kg	1670		57.1	70-130			*L*
1,2-Dichlorobenzene	1130	83.3	ug/kg	1670		67.7	70-130			*L*

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Enthalpy Analytical

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Batch BGL0784 - SW3550C/EPA600-MS										
LCS (BGL0784-BS1)				Prepared: 12/18/2023 Analyzed: 12/19/2023						
1,3-Dichlorobenzene	1140	83.3	ug/kg	1670		68.3	70-130			*L*
1,4-Dichlorobenzene	1260	83.3	ug/kg	1670		75.5	70-130			
2,4,6-Trichlorophenol	1330	83.3	ug/kg	1670		80.1	20-115			
2,4-Dichlorophenol	974	83.3	ug/kg	1670		58.4	20-111			
2,4-Dimethylphenol	922	83.3	ug/kg	1670		55.3	20-110			
2,4-Dinitrophenol	1320	83.3	ug/kg	1670		79.2	10-169			
2,4-Dinitrotoluene	1380	83.3	ug/kg	1670		82.9	21-125			
2,6-Dinitrotoluene	1380	83.3	ug/kg	1670		82.9	15-140			
2-Chloronaphthalene	1430	83.3	ug/kg	1670		85.7	22-105			
2-Chlorophenol	1250	83.3	ug/kg	1670		74.8	15-107			
2-Nitrophenol	1070	83.3	ug/kg	1670		64.2	20-115			
3,3'-Dichlorobenzidine	634	83.3	ug/kg	1670		38.0	10-110			
4,6-Dinitro-2-methylphenol	1480	83.3	ug/kg	1670		88.9	40-130			
4-Bromophenyl phenyl ether	904	83.3	ug/kg	1670		54.2	20-114			
4-Chlorophenyl phenyl ether	1210	83.3	ug/kg	1670		72.7	15-110			
4-Nitrophenol	1630	83.3	ug/kg	1670		97.7	15-110			
Acenaphthene	1720	83.3	ug/kg	1670		103	24-110			
Acenaphthylene	1830	83.3	ug/kg	1670		110	25-106			*L*
Acetophenone	1100	83.3	ug/kg	1670		65.8	25-106			
Anthracene	1500	83.3	ug/kg	1670		90.1	25-117			
Benzo (a) anthracene	1420	83.3	ug/kg	1670		85.4	25-127			
Benzo (a) pyrene	1440	83.3	ug/kg	1670		86.7	18-127			
Benzo (b) fluoranthene	1810	83.3	ug/kg	1670		109	20-132			
Benzo (g,h,i) perylene	723	83.3	ug/kg	1670		43.4	10-136			
Benzo (k) fluoranthene	1950	83.3	ug/kg	1670		117	14-136			

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0784 - SW3550C/EPA600-MS										
LCS (BGL0784-BS1)				Prepared: 12/18/2023 Analyzed: 12/19/2023						
bis (2-Chloroethoxy) methane	852	83.3	ug/kg	1670		51.1	20-100			
bis (2-Chloroethyl) ether	1020	83.3	ug/kg	1670		61.3	13-100			
2,2'-Oxybis (1-chloropropane)	1060	83.3	ug/kg	1670		63.7	40-125			
bis (2-Ethylhexyl) phthalate	1290	83.3	ug/kg	1670		77.3	18-137			
Butyl benzyl phthalate	1210	83.3	ug/kg	1670		72.3	20-141			
Chrysene	1550	83.3	ug/kg	1670		92.8	21-141			
Dibenz (a,h) anthracene	902	83.3	ug/kg	1670		54.1	10-142			
Diethyl phthalate	1630	83.3	ug/kg	1670		97.5	20-120			
Dimethyl phthalate	1240	83.3	ug/kg	1670		74.2	23-109			
Di-n-butyl phthalate	2460	83.3	ug/kg	1670		148	18-136			*L*
Di-n-octyl phthalate	1560	83.3	ug/kg	1670		93.6	10-160			
Fluoranthene	1990	83.3	ug/kg	1670		119	19-138			
Fluorene	1670	83.3	ug/kg	1670		100	25-114			
Hexachlorobenzene	725	83.3	ug/kg	1670		43.5	20-113			
Hexachlorobutadiene	1040	83.3	ug/kg	1670		62.6	25-125			
Hexachlorocyclopentadiene	711	83.3	ug/kg	1670		42.7	10-125			
Hexachloroethane	1210	83.3	ug/kg	1670		72.7	25-125			
Indeno (1,2,3-cd) pyrene	823	83.3	ug/kg	1670		49.4	10-136			
Isophorone	617	83.3	ug/kg	1670		37.0	10-110			
Naphthalene	1480	83.3	ug/kg	1670		88.7	18-109			
Nitrobenzene	1380	83.3	ug/kg	1670		83.1	18-104			
n-Nitrosodimethylamine	833	83.3	ug/kg	1670		50.0	18-110			
n-Nitrosodi-n-propylamine	1120	83.3	ug/kg	1670		67.5	12-102			
n-Nitrosodiphenylamine	1050	83.3	ug/kg	1670		62.9	12-97			
p-Chloro-m-cresol	1030	83.3	ug/kg	1670		61.9	24-120			

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0784 - SW3550C/EPA600-MS										
LCS (BGL0784-BS1)				Prepared: 12/18/2023 Analyzed: 12/19/2023						
Pentachlorophenol	632	83.3	ug/kg	1670		37.9	10-116			
Phenanthrene	1760	83.3	ug/kg	1670		106	25-122			
Phenol	1220	83.3	ug/kg	1680		72.3	12-115			
Pyrene	1410	83.3	ug/kg	1670		84.4	17-159			
Pyridine	955	83.3	ug/kg	1670		57.3	0-200			
Surr: 2,4,6-Tribromophenol (Surr)	*2000*		ug/kg	*3330*		*60.0*	*15-96*			
Surr: 2-Fluorobiphenyl (Surr)	*1660*		ug/kg	*1670*		*99.3*	*19-105*			
Surr: 2-Fluorophenol (Surr)	*2260*		ug/kg	*3330*		*67.8*	*12-95*			
Surr: Nitrobenzene-d5 (Surr)	*1440*		ug/kg	*1670*		*86.2*	*21-100*			
Surr: Phenol-d5 (Surr)	*2480*		ug/kg	*3330*		*74.6*	*13-100*			
Surr: p-Terphenyl-d14 (Surr)	*1300*		ug/kg	*1670*		*78.1*	*25-125*			
LCS (BGL0784-BS2)				Prepared: 12/18/2023 Analyzed: 12/19/2023						
1,4-Dioxane (SIM)	27.0	3.33	ug/kg				0-200			
Surr: Nitrobenzene-d5 (Surr)	*1530*		ug/kg	*1670*		*91.9*	*35-100*			
Matrix Spike (BGL0784-MS1)	**Source: 23L0912-12**			Prepared: 12/18/2023 Analyzed: 12/20/2023						
1,2,4-Trichlorobenzene	833	92.7	ug/kg	1850	BLOD	44.9	70-130			*M*
1,2-Dichlorobenzene	926	92.7	ug/kg	1850	BLOD	49.9	70-130			*M*
1,3-Dichlorobenzene	931	92.7	ug/kg	1850	BLOD	50.2	70-130			*M*
1,4-Dichlorobenzene	1050	92.7	ug/kg	1850	BLOD	56.8	70-130			*M*
2,4,6-Trichlorophenol	1260	92.7	ug/kg	1850	BLOD	68.1	10-115			
2,4-Dichlorophenol	921	92.7	ug/kg	1850	BLOD	49.7	10-128			
2,4-Dimethylphenol	779	92.7	ug/kg	1850	BLOD	42.0	10-121			
2,4-Dinitrophenol	1210	92.7	ug/kg	1850	BLOD	65.5	10-228			
2,4-Dinitrotoluene	1310	92.7	ug/kg	1850	BLOD	70.5	10-141			

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0784 - SW3550C/EPA600-MS										
Matrix Spike (BGL0784-MS1)	**Source: 23L0912-12**			Prepared: 12/18/2023 Analyzed: 12/20/2023						
2,6-Dinitrotoluene	1310	92.7	ug/kg	1850	BLOD	70.5	15-140			
2-Chloronaphthalene	1290	92.7	ug/kg	1850	BLOD	69.7	10-108			
2-Chlorophenol	1150	92.7	ug/kg	1850	BLOD	61.8	10-117			
2-Nitrophenol	989	92.7	ug/kg	1850	BLOD	53.3	10-131			
3,3'-Dichlorobenzidine	507	92.7	ug/kg	1850	BLOD	27.3	10-110			
4,6-Dinitro-2-methylphenol	1380	92.7	ug/kg	1850	BLOD	74.6	10-110			
4-Bromophenyl phenyl ether	911	92.7	ug/kg	1850	BLOD	49.1	10-119			
4-Chlorophenyl phenyl ether	1160	92.7	ug/kg	1850	BLOD	62.5	15-110			
4-Nitrophenol	1640	92.7	ug/kg	1850	BLOD	88.7	15-110			
Acenaphthene	1590	92.7	ug/kg	1850	BLOD	85.7	10-124			
Acenaphthylene	1680	92.7	ug/kg	1850	BLOD	90.4	10-118			
Acetophenone	1050	92.7	ug/kg	1850	BLOD	56.6	10-110			
Anthracene	1460	92.7	ug/kg	1850	BLOD	78.9	10-143			
Benzo (a) anthracene	1410	92.7	ug/kg	1850	BLOD	76.0	10-169			
Benzo (a) pyrene	1690	92.7	ug/kg	1850	BLOD	91.1	10-149			
Benzo (b) fluoranthene	2000	92.7	ug/kg	1850	BLOD	108	10-150			
Benzo (g,h,i) perylene	599	92.7	ug/kg	1850	BLOD	32.3	10-123			
Benzo (k) fluoranthene	1980	92.7	ug/kg	1850	BLOD	107	10-211			
bis (2-Chloroethoxy) methane	810	92.7	ug/kg	1850	BLOD	43.7	10-108			
bis (2-Chloroethyl) ether	950	92.7	ug/kg	1850	BLOD	51.2	10-100			
2,2'-Oxybis (1-chloropropane)	968	92.7	ug/kg	1850	BLOD	52.2	40-125			
bis (2-Ethylhexyl) phthalate	1250	92.7	ug/kg	1850	BLOD	67.3	10-210			
Butyl benzyl phthalate	1190	92.7	ug/kg	1850	BLOD	64.1	10-165			
Chrysene	1560	92.7	ug/kg	1850	BLOD	84.2	10-172			
Dibenz (a,h) anthracene	755	92.7	ug/kg	1850	BLOD	40.7	10-128			

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0784 - SW3550C/EPA600-MS										
Matrix Spike (BGL0784-MS1)	**Source: 23L0912-12**			Prepared: 12/18/2023 Analyzed: 12/20/2023						
Diethyl phthalate	1490	92.7	ug/kg	1850	BLOD	80.4	10-120			
Dimethyl phthalate	1200	92.7	ug/kg	1850	BLOD	64.5	10-125			
Di-n-butyl phthalate	2270	92.7	ug/kg	1850	BLOD	123	10-133			
Di-n-octyl phthalate	1460	92.7	ug/kg	1850	BLOD	78.8	10-196			
Fluoranthene	1840	92.7	ug/kg	1850	BLOD	99.5	10-271			
Fluorene	1540	92.7	ug/kg	1850	BLOD	83.3	10-124			
Hexachlorobenzene	717	92.7	ug/kg	1850	BLOD	38.7	10-125			
Hexachlorobutadiene	919	92.7	ug/kg	1850	BLOD	49.6	10-125			
Hexachlorocyclopentadiene	556	92.7	ug/kg	1850	BLOD	30.0	10-125			
Hexachloroethane	979	92.7	ug/kg	1850	BLOD	52.8	10-220			
Indeno (1,2,3-cd) pyrene	699	92.7	ug/kg	1850	BLOD	37.7	10-127			
Isophorone	602	92.7	ug/kg	1850	BLOD	32.4	10-110			
Naphthalene	1280	92.7	ug/kg	1850	BLOD	69.2	10-118			
n-Nitrosodimethylamine	810	92.7	ug/kg	1850	BLOD	43.7	10-110			
n-Nitrosodi-n-propylamine	1030	92.7	ug/kg	1850	BLOD	55.4	10-107			
n-Nitrosodiphenylamine	981	92.7	ug/kg	1850	BLOD	52.9	10-107			
p-Chloro-m-cresol	984	92.7	ug/kg	1850	BLOD	53.1	10-131			
Pentachlorophenol	677	92.7	ug/kg	1850	BLOD	36.5	10-151			
Phenanthrene	1680	92.7	ug/kg	1850	BLOD	90.7	10-393			
Phenol	1140	92.7	ug/kg	1870	BLOD	60.9	10-133			
Pyrene	1410	92.7	ug/kg	1850	BLOD	76.0	10-212			
Pyridine	827	92.7	ug/kg	1850	BLOD	44.6	0-200			
Surr: 2,4,6-Tribromophenol (Surr)	*1950*		ug/kg	*3710*		*52.7*	*15-96*			
Surr: 2-Fluorobiphenyl (Surr)	*1420*		ug/kg	*1850*		*76.5*	*19-105*			
Surr: 2-Fluorophenol (Surr)	*2560*		ug/kg	*3710*		*69.1*	*12-95*			

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0784 - SW3550C/EPA600-MS										
Matrix Spike (BGL0784-MS1)	**Source: 23L0912-12**			Prepared: 12/18/2023 Analyzed: 12/20/2023						
Surr: Nitrobenzene-d5 (Surr)	*1250*		ug/kg	*1850*		*67.7*	*21-100*			
Surr: Phenol-d5 (Surr)	*2330*		ug/kg	*3710*		*62.7*	*13-100*			
Surr: p-Terphenyl-d14 (Surr)	*1230*		ug/kg	*1850*		*66.5*	*25-125*			
Matrix Spike (BGL0784-MS2)	**Source: 23L0912-12**			Prepared: 12/18/2023 Analyzed: 12/19/2023						
1,4-Dioxane (SIM)	30.4	3.75	ug/kg		BLOD		0-200			
Surr: Nitrobenzene-d5 (Surr)	*1420*		ug/kg	*1880*		*75.4*	*35-100*			
Matrix Spike Dup (BGL0784-MSD1)	**Source: 23L0912-12**			Prepared: 12/18/2023 Analyzed: 12/20/2023						
1,2,4-Trichlorobenzene	847	92.1	ug/kg	1840	BLOD	46.0	70-130	1.72	20	*M*
1,2-Dichlorobenzene	938	92.1	ug/kg	1840	BLOD	50.9	70-130	1.33	20	*M*
1,3-Dichlorobenzene	903	92.1	ug/kg	1840	BLOD	49.0	70-130	3.07	20	*M*
1,4-Dichlorobenzene	1040	92.1	ug/kg	1840	BLOD	56.7	70-130	0.973	20	*M*
2,4,6-Trichlorophenol	1250	92.1	ug/kg	1840	BLOD	67.8	10-115	1.07	20	
2,4-Dichlorophenol	912	92.1	ug/kg	1840	BLOD	49.5	10-128	0.978	20	
2,4-Dimethylphenol	816	92.1	ug/kg	1840	BLOD	44.3	10-121	4.63	20	
2,4-Dinitrophenol	1210	92.1	ug/kg	1840	BLOD	65.8	10-228	0.0769	20	
2,4-Dinitrotoluene	1300	92.1	ug/kg	1840	BLOD	70.3	10-141	0.883	20	
2,6-Dinitrotoluene	1300	92.1	ug/kg	1840	BLOD	70.3	15-140	0.883	20	
2-Chloronaphthalene	1240	92.1	ug/kg	1840	BLOD	67.3	10-108	4.19	20	
2-Chlorophenol	1110	92.1	ug/kg	1840	BLOD	60.2	10-117	3.25	20	
2-Nitrophenol	990	92.1	ug/kg	1840	BLOD	53.7	10-131	0.129	20	
3,3'-Dichlorobenzidine	597	92.1	ug/kg	1840	BLOD	32.4	10-110	16.3	20	
4,6-Dinitro-2-methylphenol	1400	92.1	ug/kg	1840	BLOD	76.1	10-110	1.34	20	
4-Bromophenyl phenyl ether	917	92.1	ug/kg	1840	BLOD	49.8	10-119	0.679	20	
4-Chlorophenyl phenyl ether	1160	92.1	ug/kg	1840	BLOD	62.9	15-110	0.113	20	

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Submitted To: Tom Raymond

Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0784 - SW3550C/EPA600-MS										
Matrix Spike Dup (BGL0784-MSD1)	**Source: 23L0912-12**			Prepared: 12/18/2023 Analyzed: 12/20/2023						
4-Nitrophenol	1590	92.1	ug/kg	1840	BLOD	86.3	15-110	3.31	20	
Acenaphthene	1550	92.1	ug/kg	1840	BLOD	84.0	10-124	2.64	20	
Acenaphthylene	1620	92.1	ug/kg	1840	BLOD	88.1	10-118	3.32	20	
Acetophenone	1040	92.1	ug/kg	1840	BLOD	56.7	10-110	0.373	20	
Anthracene	1430	92.1	ug/kg	1840	BLOD	77.6	10-143	2.27	20	
Benzo (a) anthracene	1530	92.1	ug/kg	1840	BLOD	83.0	10-169	8.25	20	
Benzo (a) pyrene	1710	92.1	ug/kg	1840	BLOD	92.7	10-149	1.13	20	
Benzo (b) fluoranthene	1910	92.1	ug/kg	1840	BLOD	104	10-150	4.81	20	
Benzo (g,h,i) perylene	608	92.1	ug/kg	1840	BLOD	33.0	10-123	1.49	20	
Benzo (k) fluoranthene	1950	92.1	ug/kg	1840	BLOD	106	10-211	1.73	20	
bis (2-Chloroethoxy) methane	809	92.1	ug/kg	1840	BLOD	43.9	10-108	0.0620	20	
bis (2-Chloroethyl) ether	946	92.1	ug/kg	1840	BLOD	51.3	10-100	0.461	20	
2,2'-Oxybis (1-chloropropane)	970	92.1	ug/kg	1840	BLOD	52.7	40-125	0.183	20	
bis (2-Ethylhexyl) phthalate	1220	92.1	ug/kg	1840	BLOD	66.3	10-210	2.15	20	
Butyl benzyl phthalate	1130	92.1	ug/kg	1840	BLOD	61.3	10-165	5.22	20	
Chrysene	1560	92.1	ug/kg	1840	BLOD	84.8	10-172	0.0546	20	
Dibenz (a,h) anthracene	779	92.1	ug/kg	1840	BLOD	42.3	10-128	3.15	20	
Diethyl phthalate	1460	92.1	ug/kg	1840	BLOD	79.4	10-120	1.93	20	
Dimethyl phthalate	1150	92.1	ug/kg	1840	BLOD	62.6	10-125	3.68	20	
Di-n-butyl phthalate	2340	92.1	ug/kg	1840	BLOD	127	10-133	2.87	20	
Di-n-octyl phthalate	2680	92.1	ug/kg	1840	BLOD	145	10-196	58.7	20	
Fluoranthene	2060	92.1	ug/kg	1840	BLOD	112	10-271	11.0	20	
Fluorene	1520	92.1	ug/kg	1840	BLOD	82.7	10-124	1.31	20	
Hexachlorobenzene	725	92.1	ug/kg	1840	BLOD	39.4	10-125	1.09	20	
Hexachlorobutadiene	897	92.1	ug/kg	1840	BLOD	48.7	10-125	2.41	20	

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Enthalpy Analytical

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Batch BGL0784 - SW3550C/EPA600-MS										
Matrix Spike Dup (BGL0784-MSD1)	**Source: 23L0912-12**			Prepared: 12/18/2023 Analyzed: 12/20/2023						
Hexachlorocyclopentadiene	546	92.1	ug/kg	1840	BLOD	29.7	10-125	1.66	20	
Hexachloroethane	970	92.1	ug/kg	1840	BLOD	52.6	10-220	0.959	20	
Indeno (1,2,3-cd) pyrene	747	92.1	ug/kg	1840	BLOD	40.6	10-127	6.65	20	
Isophorone	600	92.1	ug/kg	1840	BLOD	32.6	10-110	0.225	20	
Naphthalene	1280	92.1	ug/kg	1840	BLOD	69.5	10-118	0.223	20	
Nitrobenzene	1250	92.1	ug/kg	1840	BLOD	67.7	10-126		20	
n-Nitrosodimethylamine	682	92.1	ug/kg	1840	BLOD	37.0	10-110	17.1	20	
n-Nitrosodi-n-propylamine	1040	92.1	ug/kg	1840	BLOD	56.3	10-107	0.956	20	
n-Nitrosodiphenylamine	972	92.1	ug/kg	1840	BLOD	52.8	10-107	0.883	20	
p-Chloro-m-cresol	980	92.1	ug/kg	1840	BLOD	53.2	10-131	0.468	20	
Pentachlorophenol	686	92.1	ug/kg	1840	BLOD	37.2	10-151	1.35	20	
Phenanthrene	1770	92.1	ug/kg	1840	BLOD	95.8	10-393	4.86	20	
Phenol	1110	92.1	ug/kg	1860	BLOD	59.9	10-133	2.30	20	
Pyrene	1430	92.1	ug/kg	1840	BLOD	77.7	10-212	1.66	20	
Pyridine	901	92.1	ug/kg	1840	BLOD	48.9	0-200	8.59	20	
Surr: 2,4,6-Tribromophenol (Surr)	*1970*		ug/kg	*3680*		*53.4*	*15-96*			
Surr: 2-Fluorobiphenyl (Surr)	*1390*		ug/kg	*1840*		*75.7*	*19-105*			
Surr: 2-Fluorophenol (Surr)	*1870*		ug/kg	*3680*		*50.9*	*12-95*			
Surr: Nitrobenzene-d5 (Surr)	*1260*		ug/kg	*1840*		*68.4*	*21-100*			
Surr: Phenol-d5 (Surr)	*2290*		ug/kg	*3680*		*62.3*	*13-100*			
Surr: p-Terphenyl-d14 (Surr)	*1190*		ug/kg	*1840*		*64.6*	*25-125*			
Matrix Spike Dup (BGL0784-MSD2)	**Source: 23L0912-12**			Prepared: 12/18/2023 Analyzed: 12/19/2023						
1,4-Dioxane (SIM)	32.7	3.75	ug/kg		BLOD		0-200	7.14	20	
Surr: Nitrobenzene-d5 (Surr)	*1560*		ug/kg	*1880*		*82.9*	*35-100*			

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0913 - SW3550C/EPA600-MS										
Blank (BGL0913-BLK1)				Prepared: 12/20/2023 Analyzed: 12/22/2023						
1,2,4,5-Tetrachlorobenzene	ND	83.3	ug/kg							
1,2,4-Trichlorobenzene	ND	83.3	ug/kg							
1,2-Dichlorobenzene	ND	83.3	ug/kg							
1,2-Diphenylhydrazine	ND	83.3	ug/kg							
1,3-Dichlorobenzene	ND	83.3	ug/kg							
1,3-Dinitrobenzene	ND	83.3	ug/kg							
1,4-Dichlorobenzene	ND	83.3	ug/kg							
1-Chloronaphthalene	ND	83.3	ug/kg							
1-Naphthylamine	ND	83.3	ug/kg							
2,3,4,6-Tetrachlorophenol	ND	83.3	ug/kg							
2,4,5-Trichlorophenol	ND	83.3	ug/kg							
2,4,6-Trichlorophenol	ND	83.3	ug/kg							
2,4-Dichlorophenol	ND	83.3	ug/kg							
2,4-Dimethylphenol	ND	83.3	ug/kg							
2,4-Dinitrophenol	ND	83.3	ug/kg							
2,4-Dinitrotoluene	ND	83.3	ug/kg							
2,6-Dichlorophenol	ND	83.3	ug/kg							
2,6-Dinitrotoluene	ND	83.3	ug/kg							
2-Chloronaphthalene	ND	83.3	ug/kg							
2-Chlorophenol	ND	83.3	ug/kg							
2-Methylnaphthalene	ND	83.3	ug/kg							
2-Naphthylamine	ND	83.3	ug/kg							
2-Nitroaniline	ND	83.3	ug/kg							
2-Nitrophenol	ND	83.3	ug/kg							
3,3'-Dichlorobenzidine	ND	83.3	ug/kg							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0913 - SW3550C/EPA600-MS										
Blank (BGL0913-BLK1)				Prepared: 12/20/2023 Analyzed: 12/22/2023						
3-Methylcholanthrene	ND	83.3	ug/kg							
3-Nitroaniline	ND	83.3	ug/kg							
4,6-Dinitro-2-methylphenol	ND	83.3	ug/kg							
4-Aminobiphenyl	ND	83.3	ug/kg							
4-Bromophenyl phenyl ether	ND	83.3	ug/kg							
4-Chloroaniline	ND	83.3	ug/kg							
4-Chlorophenyl phenyl ether	ND	83.3	ug/kg							
4-Nitroaniline	ND	83.3	ug/kg							
4-Nitrophenol	ND	83.3	ug/kg							
7,12-Dimethylbenz (a) anthracene	ND	83.3	ug/kg							
Acenaphthene	ND	83.3	ug/kg							
Acenaphthylene	ND	83.3	ug/kg							
Acetophenone	ND	83.3	ug/kg							
Aniline	ND	83.3	ug/kg							
Anthracene	ND	83.3	ug/kg							
Benzidine	ND	83.3	ug/kg							
Benzo (a) anthracene	ND	83.3	ug/kg							
Benzo (a) pyrene	ND	83.3	ug/kg							
Benzo (b) fluoranthene	ND	83.3	ug/kg							
Benzo (g,h,i) perylene	ND	83.3	ug/kg							
Benzo (k) fluoranthene	ND	83.3	ug/kg							
Benzoic acid	ND	83.3	ug/kg							
Benzyl alcohol	ND	83.3	ug/kg							
bis (2-Chloroethoxy) methane	ND	83.3	ug/kg							
bis (2-Chloroethyl) ether	ND	83.3	ug/kg							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0913 - SW3550C/EPA600-MS										
Blank (BGL0913-BLK1)				Prepared: 12/20/2023 Analyzed: 12/22/2023						
2,2'-Oxybis (1-chloropropane)	ND	83.3	ug/kg							
bis (2-Ethylhexyl) phthalate	ND	83.3	ug/kg							
Butyl benzyl phthalate	ND	83.3	ug/kg							
Chrysene	ND	83.3	ug/kg							
Dibenz (a,h) anthracene	ND	83.3	ug/kg							
Dibenz (a,j) acridine	ND	83.3	ug/kg							
Dibenzofuran	ND	83.3	ug/kg							
Diethyl phthalate	ND	83.3	ug/kg							
Dimethyl phthalate	ND	83.3	ug/kg							
Di-n-butyl phthalate	ND	83.3	ug/kg							
Di-n-octyl phthalate	ND	83.3	ug/kg							
Diphenylamine	ND	83.3	ug/kg							
Ethyl methanesulfonate	ND	83.3	ug/kg							
Fluoranthene	ND	83.3	ug/kg							
Fluorene	ND	83.3	ug/kg							
Hexachlorobenzene	ND	83.3	ug/kg							
Hexachlorobutadiene	ND	83.3	ug/kg							
Hexachlorocyclopentadiene	ND	83.3	ug/kg							
Hexachloroethane	ND	83.3	ug/kg							
Indeno (1,2,3-cd) pyrene	ND	83.3	ug/kg							
Isophorone	ND	83.3	ug/kg							
m+p-Cresols	ND	83.3	ug/kg							
Methyl methanesulfonate	ND	83.3	ug/kg							
Naphthalene	ND	83.3	ug/kg							
Nitrobenzene	ND	83.3	ug/kg							

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Batch BGL0913 - SW3550C/EPA600-MS										
Blank (BGL0913-BLK1)				Prepared: 12/20/2023 Analyzed: 12/22/2023						
n-Nitrosodimethylamine	ND	83.3	ug/kg							
n-Nitrosodi-n-butylamine	ND	83.3	ug/kg							
n-Nitrosodi-n-propylamine	ND	83.3	ug/kg							
n-Nitrosodiphenylamine	ND	83.3	ug/kg							
n-Nitrosopiperidine	ND	83.3	ug/kg							
o+m+p-Cresols	ND	83.3	ug/kg							
o-Cresol	ND	83.3	ug/kg							
p-(Dimethylamino) azobenzene	ND	83.3	ug/kg							
p-Chloro-m-cresol	ND	83.3	ug/kg							
Pentachloronitrobenzene (quintozene)	ND	83.3	ug/kg							
Pentachlorophenol	ND	83.3	ug/kg							
Phenacetin	ND	83.3	ug/kg							
Phenanthrene	ND	83.3	ug/kg							
Phenol	ND	83.3	ug/kg							
Pronamide	ND	83.3	ug/kg							
Pyrene	ND	83.3	ug/kg							
Pyridine	ND	83.3	ug/kg							
Surr: 2,4,6-Tribromophenol (Surr)	*2650*		ug/kg	*3320*		*79.8*	*15-96*			
Surr: 2-Fluorobiphenyl (Surr)	*1090*		ug/kg	*1660*		*65.8*	*19-105*			
Surr: 2-Fluorophenol (Surr)	*2220*		ug/kg	*3320*		*66.9*	*12-95*			
Surr: Nitrobenzene-d5 (Surr)	*1140*		ug/kg	*1660*		*68.9*	*21-100*			
Surr: Phenol-d5 (Surr)	*2250*		ug/kg	*3320*		*67.8*	*13-100*			
Surr: p-Terphenyl-d14 (Surr)	*1400*		ug/kg	*1660*		*84.6*	*25-125*			
Blank (BGL0913-BLK2)				Prepared: 12/20/2023 Analyzed: 12/21/2023						

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Batch BGL0913 - SW3550C/EPA600-MS										
Blank (BGL0913-BLK2)				Prepared: 12/20/2023 Analyzed: 12/21/2023						
1,4-Dioxane (SIM)	ND	3.33	ug/kg							
Surr: Nitrobenzene-d5 (Surr)	*1120*		ug/kg	*1670*		*67.4*	*35-100*			
LCS (BGL0913-BS1)				Prepared: 12/20/2023 Analyzed: 12/22/2023						
1,2,4-Trichlorobenzene	1320	83.3	ug/kg	1640		80.3	70-130			
1,2-Dichlorobenzene	1300	83.3	ug/kg	1640		79.1	70-130			
1,3-Dichlorobenzene	1220	83.3	ug/kg	1640		74.1	70-130			
1,4-Dichlorobenzene	1310	83.3	ug/kg	1640		79.9	70-130			
2,4,6-Trichlorophenol	1820	83.3	ug/kg	1640		110	20-115			
2,4-Dichlorophenol	1590	83.3	ug/kg	1640		96.6	20-111			
2,4-Dimethylphenol	1630	83.3	ug/kg	1640		99.2	20-110			
2,4-Dinitrophenol	1710	83.3	ug/kg	1640		104	10-169			
2,4-Dinitrotoluene	1980	83.3	ug/kg	1640		121	21-125			
2,6-Dinitrotoluene	1560	83.3	ug/kg	1640		94.9	15-140			
2-Chloronaphthalene	1650	83.3	ug/kg	1640		100	22-105			
2-Chlorophenol	1360	83.3	ug/kg	1640		83.0	15-107			
2-Nitrophenol	1480	83.3	ug/kg	1640		90.1	20-115			
3,3'-Dichlorobenzidine	708	83.3	ug/kg	1640		43.0	10-110			
4,6-Dinitro-2-methylphenol	1720	83.3	ug/kg	1640		105	40-130			
4-Bromophenyl phenyl ether	1380	83.3	ug/kg	1640		83.8	20-114			
4-Chlorophenyl phenyl ether	1580	83.3	ug/kg	1640		95.8	15-110			
4-Nitrophenol	1620	83.3	ug/kg	1640		98.4	15-110			
Acenaphthene	1600	83.3	ug/kg	1640		97.2	24-110			
Acenaphthylene	1770	83.3	ug/kg	1640		108	25-106			*L*
Acetophenone	1340	83.3	ug/kg	1640		81.4	25-106			

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Batch BGL0913 - SW3550C/EPA600-MS										
LCS (BGL0913-BS1)				Prepared: 12/20/2023 Analyzed: 12/22/2023						
Anthracene	1700	83.3	ug/kg	1640		103	25-117			
Benzo (a) anthracene	1860	83.3	ug/kg	1640		113	25-127			
Benzo (a) pyrene	1820	83.3	ug/kg	1640		111	18-127			
Benzo (b) fluoranthene	1810	83.3	ug/kg	1640		110	20-132			
Benzo (g,h,i) perylene	1450	83.3	ug/kg	1640		87.9	10-136			
Benzo (k) fluoranthene	2580	83.3	ug/kg	1640		157	14-136			*L*
bis (2-Chloroethoxy) methane	1470	83.3	ug/kg	1640		89.4	20-100			
bis (2-Chloroethyl) ether	1180	83.3	ug/kg	1640		72.0	13-100			
2,2'-Oxybis (1-chloropropane)	1330	83.3	ug/kg	1640		80.9	40-125			
bis (2-Ethylhexyl) phthalate	1720	83.3	ug/kg	1640		105	18-137			
Butyl benzyl phthalate	2010	83.3	ug/kg	1640		122	20-141			
Chrysene	1910	83.3	ug/kg	1640		116	21-141			
Dibenz (a,h) anthracene	1450	83.3	ug/kg	1640		88.3	10-142			
Diethyl phthalate	1790	83.3	ug/kg	1640		109	20-120			
Dimethyl phthalate	1570	83.3	ug/kg	1640		95.7	23-109			
Di-n-butyl phthalate	ND	83.3	ug/kg	1640			18-136			*L*
Di-n-octyl phthalate	ND	83.3	ug/kg	1640			10-160			*L*
Fluoranthene	ND	83.3	ug/kg	1640			19-138			*L*
Fluorene	1820	83.3	ug/kg	1640		111	25-114			
Hexachlorobenzene	1150	83.3	ug/kg	1640		69.9	20-113			
Hexachlorobutadiene	1460	83.3	ug/kg	1640		89.0	25-125			
Hexachlorocyclopentadiene	1060	83.3	ug/kg	1640		64.6	10-125			
Hexachloroethane	1400	83.3	ug/kg	1640		85.0	25-125			
Indeno (1,2,3-cd) pyrene	1370	83.3	ug/kg	1640		83.4	10-136			
Isophorone	981	83.3	ug/kg	1640		59.7	10-110			

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Batch BGL0913 - SW3550C/EPA600-MS										
LCS (BGL0913-BS1)				Prepared: 12/20/2023 Analyzed: 12/22/2023						
Naphthalene	1540	83.3	ug/kg	1640		93.9	18-109			
Nitrobenzene	1460	83.3	ug/kg	1640		88.8	18-104			
n-Nitrosodimethylamine	1260	83.3	ug/kg	1640		76.9	18-110			
n-Nitrosodi-n-propylamine	1360	83.3	ug/kg	1640		83.0	12-102			
n-Nitrosodiphenylamine	1160	83.3	ug/kg	1640		70.5	12-97			
p-Chloro-m-cresol	1720	83.3	ug/kg	1640		105	24-120			
Pentachlorophenol	615	83.3	ug/kg	1640		37.4	10-116			
Phenanthrene	1900	83.3	ug/kg	1640		115	25-122			
Phenol	1260	83.3	ug/kg	1660		75.8	12-115			
Pyrene	2730	83.3	ug/kg	1640		166	17-159			*L*
Pyridine	1520	83.3	ug/kg	1640		92.6	0-200			
Surr: 2,4,6-Tribromophenol (Surr)	*3450*		ug/kg	*3290*		*105*	*15-96*			*S*
Surr: 2-Fluorobiphenyl (Surr)	*1340*		ug/kg	*1640*		*81.4*	*19-105*			
Surr: 2-Fluorophenol (Surr)	*2850*		ug/kg	*3290*		*86.6*	*12-95*			
Surr: Nitrobenzene-d5 (Surr)	*1410*		ug/kg	*1640*		*85.6*	*21-100*			
Surr: Phenol-d5 (Surr)	*2850*		ug/kg	*3290*		*86.7*	*13-100*			
Surr: p-Terphenyl-d14 (Surr)	*2450*		ug/kg	*1640*		*149*	*25-125*			*S*
LCS (BGL0913-BS2)				Prepared: 12/20/2023 Analyzed: 12/21/2023						
1,4-Dioxane (SIM)	23.9	3.32	ug/kg				0-200			
Surr: Nitrobenzene-d5 (Surr)	*1190*		ug/kg	*1660*		*71.8*	*35-100*			
Matrix Spike (BGL0913-MS1)	**Source: 23L1137-01**			Prepared: 12/20/2023 Analyzed: 12/22/2023						
1,2,4-Trichlorobenzene	843	103	ug/kg	2070	BLOD	40.8	70-130			*M*
1,2-Dichlorobenzene	770	103	ug/kg	2070	BLOD	37.3	70-130			*M*
1,3-Dichlorobenzene	780	103	ug/kg	2070	BLOD	37.7	70-130			*M*

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0913 - SW3550C/EPA600-MS										
Matrix Spike (BGL0913-MS1)	**Source: 23L1137-01**			Prepared: 12/20/2023 Analyzed: 12/22/2023						
1,4-Dichlorobenzene	772	103	ug/kg	2070	BLOD	37.4	70-130			*M*
2,4,6-Trichlorophenol	1250	103	ug/kg	2070	BLOD	60.6	10-115			
2,4-Dichlorophenol	1110	103	ug/kg	2070	BLOD	53.5	10-128			
2,4-Dimethylphenol	934	103	ug/kg	2070	BLOD	45.2	10-121			
2,4-Dinitrophenol	1310	103	ug/kg	2070	BLOD	63.4	10-228			
2,4-Dinitrotoluene	1250	103	ug/kg	2070	BLOD	60.4	10-141			
2,6-Dinitrotoluene	912	103	ug/kg	2070	BLOD	44.1	15-140			
2-Chloronaphthalene	1100	103	ug/kg	2070	BLOD	53.2	10-108			
2-Chlorophenol	1150	103	ug/kg	2070	BLOD	55.6	10-117			
2-Nitrophenol	1140	103	ug/kg	2070	BLOD	54.9	10-131			
3,3'-Dichlorobenzidine	546	103	ug/kg	2070	BLOD	26.4	10-110			
4,6-Dinitro-2-methylphenol	1310	103	ug/kg	2070	BLOD	63.4	10-110			
4-Bromophenyl phenyl ether	899	103	ug/kg	2070	BLOD	43.5	10-119			
4-Chlorophenyl phenyl ether	989	103	ug/kg	2070	BLOD	47.8	15-110			
4-Nitrophenol	1000	103	ug/kg	2070	BLOD	48.5	15-110			
Acenaphthene	1130	103	ug/kg	2070	BLOD	54.8	10-124			
Acenaphthylene	1110	103	ug/kg	2070	BLOD	53.9	10-118			
Acetophenone	1170	103	ug/kg	2070	BLOD	56.6	10-110			
Anthracene	1150	103	ug/kg	2070	BLOD	55.8	10-143			
Benzo (a) anthracene	1280	103	ug/kg	2070	BLOD	61.8	10-169			
Benzo (a) pyrene	1350	103	ug/kg	2070	BLOD	65.2	10-149			
Benzo (b) fluoranthene	1350	103	ug/kg	2070	BLOD	65.1	10-150			
Benzo (g,h,i) perylene	1240	103	ug/kg	2070	BLOD	60.1	10-123			
Benzo (k) fluoranthene	1370	103	ug/kg	2070	BLOD	66.3	10-211			
bis (2-Chloroethoxy) methane	1050	103	ug/kg	2070	BLOD	50.9	10-108			

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0913 - SW3550C/EPA600-MS										
Matrix Spike (BGL0913-MS1)	**Source: 23L1137-01**			Prepared: 12/20/2023 Analyzed: 12/22/2023						
bis (2-Chloroethyl) ether	993	103	ug/kg	2070	BLOD	48.0	10-100			
2,2'-Oxybis (1-chloropropane)	1050	103	ug/kg	2070	BLOD	50.8	40-125			
bis (2-Ethylhexyl) phthalate	1170	103	ug/kg	2070	BLOD	56.4	10-210			
Butyl benzyl phthalate	1330	103	ug/kg	2070	BLOD	64.1	10-165			
Chrysene	1260	103	ug/kg	2070	BLOD	60.8	10-172			
Dibenz (a,h) anthracene	1310	103	ug/kg	2070	BLOD	63.2	10-128			
Diethyl phthalate	1160	103	ug/kg	2070	BLOD	56.2	10-120			
Dimethyl phthalate	1040	103	ug/kg	2070	BLOD	50.4	10-125			
Di-n-butyl phthalate	1390	103	ug/kg	2070	BLOD	67.2	10-133			
Di-n-octyl phthalate	1910	103	ug/kg	2070	BLOD	92.5	10-196			
Fluoranthene	1380	103	ug/kg	2070	BLOD	66.7	10-271			
Fluorene	1060	103	ug/kg	2070	BLOD	51.1	10-124			
Hexachlorobenzene	881	103	ug/kg	2070	BLOD	42.6	10-125			
Hexachlorobutadiene	848	103	ug/kg	2070	BLOD	41.0	10-125			
Hexachlorocyclopentadiene	611	103	ug/kg	2070	BLOD	29.6	10-125			
Hexachloroethane	740	103	ug/kg	2070	BLOD	35.8	10-220			
Indeno (1,2,3-cd) pyrene	1210	103	ug/kg	2070	BLOD	58.7	10-127			
Isophorone	593	103	ug/kg	2070	BLOD	28.7	10-110			
Naphthalene	1010	103	ug/kg	2070	BLOD	49.0	10-118			
Nitrobenzene	1270	103	ug/kg	2070	BLOD	61.7	10-126			
n-Nitrosodimethylamine	1060	103	ug/kg	2070	BLOD	51.3	10-110			
n-Nitrosodi-n-propylamine	1150	103	ug/kg	2070	BLOD	55.6	10-107			
n-Nitrosodiphenylamine	902	103	ug/kg	2070	BLOD	43.6	10-107			
p-Chloro-m-cresol	983	103	ug/kg	2070	BLOD	47.5	10-131			
Pentachlorophenol	679	103	ug/kg	2070	BLOD	32.9	10-151			

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0913 - SW3550C/EPA600-MS										
Matrix Spike (BGL0913-MS1)	**Source: 23L1137-01**			Prepared: 12/20/2023 Analyzed: 12/22/2023						
Phenanthrene	1260	103	ug/kg	2070	BLOD	61.1	10-393			
Phenol	1100	103	ug/kg	2090	BLOD	52.7	10-133			
Pyrene	1350	103	ug/kg	2070	BLOD	65.1	10-212			
Pyridine	1100	103	ug/kg	2070	BLOD	53.4	0-200			
Surr: 2,4,6-Tribromophenol (Surr)	*2570*		ug/kg	*4140*		*62.2*	*15-96*			
Surr: 2-Fluorobiphenyl (Surr)	*1020*		ug/kg	*2070*		*49.3*	*19-105*			
Surr: 2-Fluorophenol (Surr)	*2400*		ug/kg	*4140*		*58.1*	*12-95*			
Surr: Nitrobenzene-d5 (Surr)	*1240*		ug/kg	*2070*		*60.1*	*21-100*			
Surr: Phenol-d5 (Surr)	*2510*		ug/kg	*4140*		*60.7*	*13-100*			
Surr: p-Terphenyl-d14 (Surr)	*1010*		ug/kg	*2070*		*48.7*	*25-125*			
Matrix Spike (BGL0913-MS2)	**Source: 23L1137-01**			Prepared: 12/20/2023 Analyzed: 12/21/2023						
1,4-Dioxane (SIM)	23.3	4.16	ug/kg		BLOD		0-200			
Surr: Nitrobenzene-d5 (Surr)	*1270*		ug/kg	*2080*		*61.0*	*35-100*			
Matrix Spike Dup (BGL0913-MSD1)	**Source: 23L1137-01**			Prepared: 12/20/2023 Analyzed: 12/22/2023						
1,2,4-Trichlorobenzene	826	103	ug/kg	2050	BLOD	40.2	70-130	2.04	20	*M*
1,2-Dichlorobenzene	834	103	ug/kg	2050	BLOD	40.6	70-130	7.92	20	*M*
1,3-Dichlorobenzene	749	103	ug/kg	2050	BLOD	36.5	70-130	4.00	20	*M*
1,4-Dichlorobenzene	820	103	ug/kg	2050	BLOD	39.9	70-130	6.02	20	*M*
2,4,6-Trichlorophenol	1180	103	ug/kg	2050	BLOD	57.5	10-115	5.81	20	
2,4-Dichlorophenol	1210	103	ug/kg	2050	BLOD	59.1	10-128	9.22	20	
2,4-Dimethylphenol	1050	103	ug/kg	2050	BLOD	51.2	10-121	11.9	20	
2,4-Dinitrophenol	1380	103	ug/kg	2050	BLOD	67.0	10-228	4.80	20	
2,4-Dinitrotoluene	1340	103	ug/kg	2050	BLOD	65.0	10-141	6.68	20	
2,6-Dinitrotoluene	895	103	ug/kg	2050	BLOD	43.6	15-140	1.89	20	

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Batch BGL0913 - SW3550C/EPA600-MS										
Matrix Spike Dup (BGL0913-MSD1)	**Source: 23L1137-01**			Prepared: 12/20/2023 Analyzed: 12/22/2023						
2-Chloronaphthalene	1050	103	ug/kg	2050	BLOD	51.0	10-108	4.84	20	
2-Chlorophenol	1110	103	ug/kg	2050	BLOD	54.0	10-117	3.54	20	
2-Nitrophenol	1270	103	ug/kg	2050	BLOD	61.8	10-131	11.1	20	
3,3'-Dichlorobenzidine	463	103	ug/kg	2050	BLOD	22.5	10-110	16.4	20	
4,6-Dinitro-2-methylphenol	1040	103	ug/kg	2050	BLOD	50.6	10-110	23.0	20	*P*
4-Bromophenyl phenyl ether	1320	103	ug/kg	2050	BLOD	64.4	10-119	38.2	20	*P*
4-Chlorophenyl phenyl ether	962	103	ug/kg	2050	BLOD	46.8	15-110	2.77	20	
4-Nitrophenol	1220	103	ug/kg	2050	BLOD	59.5	15-110	19.7	20	
Acenaphthene	915	103	ug/kg	2050	BLOD	44.5	10-124	21.4	20	*P*
Acenaphthylene	1060	103	ug/kg	2050	BLOD	51.5	10-118	5.29	20	
Acetophenone	1140	103	ug/kg	2050	BLOD	55.7	10-110	2.33	20	
Anthracene	876	103	ug/kg	2050	BLOD	42.6	10-143	27.5	20	*P*
Benzo (a) anthracene	1150	103	ug/kg	2050	BLOD	56.0	10-169	10.6	20	
Benzo (a) pyrene	1260	103	ug/kg	2050	BLOD	61.4	10-149	6.63	20	
Benzo (b) fluoranthene	1400	103	ug/kg	2050	BLOD	68.0	10-150	3.70	20	
Benzo (g,h,i) perylene	1150	103	ug/kg	2050	BLOD	55.8	10-123	7.94	20	
Benzo (k) fluoranthene	1160	103	ug/kg	2050	BLOD	56.5	10-211	16.6	20	
bis (2-Chloroethoxy) methane	1180	103	ug/kg	2050	BLOD	57.3	10-108	11.2	20	
bis (2-Chloroethyl) ether	956	103	ug/kg	2050	BLOD	46.6	10-100	3.79	20	
2,2'-Oxybis (1-chloropropane)	1010	103	ug/kg	2050	BLOD	49.1	40-125	4.18	20	
bis (2-Ethylhexyl) phthalate	1090	103	ug/kg	2050	BLOD	53.0	10-210	6.80	20	
Butyl benzyl phthalate	1150	103	ug/kg	2050	BLOD	56.2	10-165	13.9	20	
Chrysene	1260	103	ug/kg	2050	BLOD	61.2	10-172	0.127	20	
Dibenz (a,h) anthracene	1210	103	ug/kg	2050	BLOD	58.8	10-128	8.00	20	
Diethyl phthalate	1140	103	ug/kg	2050	BLOD	55.3	10-120	2.24	20	

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0913 - SW3550C/EPA600-MS										
Matrix Spike Dup (BGL0913-MSD1)	**Source: 23L1137-01**			Prepared: 12/20/2023 Analyzed: 12/22/2023						
Dimethyl phthalate	979	103	ug/kg	2050	BLOD	47.7	10-125	6.25	20	
Di-n-butyl phthalate	1070	103	ug/kg	2050	BLOD	52.2	10-133	25.7	20	*P*
Di-n-octyl phthalate	1740	103	ug/kg	2050	BLOD	84.9	10-196	9.21	20	
Fluoranthene	1130	103	ug/kg	2050	BLOD	54.8	10-271	20.2	20	*P*
Fluorene	946	103	ug/kg	2050	BLOD	46.1	10-124	11.1	20	
Hexachlorobenzene	1130	103	ug/kg	2050	BLOD	55.1	10-125	25.0	20	*P*
Hexachlorobutadiene	944	103	ug/kg	2050	BLOD	46.0	10-125	10.7	20	
Hexachlorocyclopentadiene	762	103	ug/kg	2050	BLOD	37.1	10-125	21.9	20	*P*
Hexachloroethane	841	103	ug/kg	2050	BLOD	41.0	10-220	12.8	20	
Indeno (1,2,3-cd) pyrene	1130	103	ug/kg	2050	BLOD	54.8	10-127	7.64	20	
Isophorone	840	103	ug/kg	2050	BLOD	40.9	10-110	34.4	20	*P*
Naphthalene	1120	103	ug/kg	2050	BLOD	54.7	10-118	10.4	20	
Nitrobenzene	1180	103	ug/kg	2050	BLOD	57.4	10-126	7.75	20	
n-Nitrosodimethylamine	1070	103	ug/kg	2050	BLOD	52.2	10-110	1.12	20	
n-Nitrosodi-n-propylamine	1140	103	ug/kg	2050	BLOD	55.3	10-107	1.16	20	
n-Nitrosodiphenylamine	921	103	ug/kg	2050	BLOD	44.9	10-107	2.14	20	
p-Chloro-m-cresol	1260	103	ug/kg	2050	BLOD	61.6	10-131	25.1	20	*P*
Pentachlorophenol	730	103	ug/kg	2050	BLOD	35.5	10-151	7.12	20	
Phenanthrene	986	103	ug/kg	2050	BLOD	48.0	10-393	24.6	20	*P*
Phenol	1060	103	ug/kg	2070	BLOD	51.3	10-133	3.40	20	
Pyrene	1180	103	ug/kg	2050	BLOD	57.5	10-212	13.0	20	
Pyridine	784	103	ug/kg	2050	BLOD	38.2	0-200	33.9	20	*P*
Surr: 2,4,6-Tribromophenol (Surr)	*3390*		ug/kg	*4110*		*82.5*	*15-96*			
Surr: 2-Fluorobiphenyl (Surr)	*953*		ug/kg	*2050*		*46.4*	*19-105*			
Surr: 2-Fluorophenol (Surr)	*2360*		ug/kg	*4110*		*57.5*	*12-95*			

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0913 - SW3550C/EPA600-MS										
Matrix Spike Dup (BGL0913-MSD1)	**Source: 23L1137-01**			Prepared: 12/20/2023 Analyzed: 12/22/2023						
Surr: Nitrobenzene-d5 (Surr)	*1160*		ug/kg	*2050*		*56.5*	*21-100*			
Surr: Phenol-d5 (Surr)	*2410*		ug/kg	*4110*		*58.7*	*13-100*			
Surr: p-Terphenyl-d14 (Surr)	*1060*		ug/kg	*2050*		*51.7*	*25-125*			
Matrix Spike Dup (BGL0913-MSD2)	**Source: 23L1137-01**			Prepared: 12/20/2023 Analyzed: 12/21/2023						
1,4-Dioxane (SIM)	24.6	4.16	ug/kg		BLOD		0-200	5.22	20	
Surr: Nitrobenzene-d5 (Surr)	*1460*		ug/kg	*2080*		*70.2*	*35-100*			
Batch BGL0962 - SW3550C/EPA600-MS										
Blank (BGL0962-BLK1)				Prepared: 12/22/2023 Analyzed: 12/27/2023						
1,2,4,5-Tetrachlorobenzene	ND	83.3	ug/kg							
1,2,4-Trichlorobenzene	ND	83.3	ug/kg							
1,2-Dichlorobenzene	ND	83.3	ug/kg							
1,2-Diphenylhydrazine	ND	83.3	ug/kg							
1,3-Dichlorobenzene	ND	83.3	ug/kg							
1,3-Dinitrobenzene	ND	83.3	ug/kg							
1,4-Dichlorobenzene	ND	83.3	ug/kg							
1-Chloronaphthalene	ND	83.3	ug/kg							
1-Naphthylamine	ND	83.3	ug/kg							
2,3,4,6-Tetrachlorophenol	ND	83.3	ug/kg							
2,4,5-Trichlorophenol	ND	83.3	ug/kg							
2,4,6-Trichlorophenol	ND	83.3	ug/kg							
2,4-Dichlorophenol	ND	83.3	ug/kg							
2,4-Dimethylphenol	ND	83.3	ug/kg							
2,4-Dinitrophenol	ND	83.3	ug/kg							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0962 - SW3550C/EPA600-MS										
Blank (BGL0962-BLK1)				Prepared: 12/22/2023 Analyzed: 12/27/2023						
2,4-Dinitrotoluene	ND	83.3	ug/kg							
2,6-Dichlorophenol	ND	83.3	ug/kg							
2,6-Dinitrotoluene	ND	83.3	ug/kg							
2-Chloronaphthalene	ND	83.3	ug/kg							
2-Chlorophenol	ND	83.3	ug/kg							
2-Methylnaphthalene	ND	83.3	ug/kg							
2-Naphthylamine	ND	83.3	ug/kg							
2-Nitroaniline	ND	83.3	ug/kg							
2-Nitrophenol	ND	83.3	ug/kg							
3,3'-Dichlorobenzidine	ND	83.3	ug/kg							
3-Methylcholanthrene	ND	83.3	ug/kg							
3-Nitroaniline	ND	83.3	ug/kg							
4,6-Dinitro-2-methylphenol	ND	83.3	ug/kg							
4-Aminobiphenyl	ND	83.3	ug/kg							
4-Bromophenyl phenyl ether	ND	83.3	ug/kg							
4-Chloroaniline	ND	83.3	ug/kg							
4-Chlorophenyl phenyl ether	ND	83.3	ug/kg							
4-Nitroaniline	ND	83.3	ug/kg							
4-Nitrophenol	ND	83.3	ug/kg							
7,12-Dimethylbenz (a) anthracene	ND	83.3	ug/kg							
Acenaphthene	ND	83.3	ug/kg							
Acenaphthylene	ND	83.3	ug/kg							
Acetophenone	ND	83.3	ug/kg							
Aniline	ND	83.3	ug/kg							
Anthracene	ND	83.3	ug/kg							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0962 - SW3550C/EPA600-MS										
Blank (BGL0962-BLK1)				Prepared: 12/22/2023 Analyzed: 12/27/2023						
Benzidine	ND	83.3	ug/kg							
Benzo (a) anthracene	ND	83.3	ug/kg							
Benzo (a) pyrene	ND	83.3	ug/kg							
Benzo (b) fluoranthene	ND	83.3	ug/kg							
Benzo (g,h,i) perylene	ND	83.3	ug/kg							
Benzo (k) fluoranthene	ND	83.3	ug/kg							
Benzoic acid	ND	83.3	ug/kg							
Benzyl alcohol	ND	83.3	ug/kg							
bis (2-Chloroethoxy) methane	ND	83.3	ug/kg							
bis (2-Chloroethyl) ether	ND	83.3	ug/kg							
2,2'-Oxybis (1-chloropropane)	ND	83.3	ug/kg							
bis (2-Ethylhexyl) phthalate	ND	83.3	ug/kg							
Butyl benzyl phthalate	ND	83.3	ug/kg							
Chrysene	ND	83.3	ug/kg							
Dibenz (a,h) anthracene	ND	83.3	ug/kg							
Dibenz (a,j) acridine	ND	83.3	ug/kg							
Dibenzofuran	ND	83.3	ug/kg							
Diethyl phthalate	ND	83.3	ug/kg							
Dimethyl phthalate	ND	83.3	ug/kg							
Di-n-butyl phthalate	ND	83.3	ug/kg							
Di-n-octyl phthalate	ND	83.3	ug/kg							
Diphenylamine	ND	83.3	ug/kg							
Ethyl methanesulfonate	ND	83.3	ug/kg							
Fluoranthene	ND	83.3	ug/kg							
Fluorene	ND	83.3	ug/kg							

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Semivolatile Organic Compounds by GCMS - Quality Control

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0962 - SW3550C/EPA600-MS										
Blank (BGL0962-BLK1)				Prepared: 12/22/2023 Analyzed: 12/27/2023						
Hexachlorobenzene	ND	83.3	ug/kg							
Hexachlorobutadiene	ND	83.3	ug/kg							
Hexachlorocyclopentadiene	ND	83.3	ug/kg							
Hexachloroethane	ND	83.3	ug/kg							
Indeno (1,2,3-cd) pyrene	ND	83.3	ug/kg							
Isophorone	ND	83.3	ug/kg							
m+p-Cresols	ND	83.3	ug/kg							
Methyl methanesulfonate	ND	83.3	ug/kg							
Naphthalene	ND	83.3	ug/kg							
Nitrobenzene	ND	83.3	ug/kg							
n-Nitrosodimethylamine	ND	83.3	ug/kg							
n-Nitrosodi-n-butylamine	ND	83.3	ug/kg							
n-Nitrosodi-n-propylamine	ND	83.3	ug/kg							
n-Nitrosodiphenylamine	ND	83.3	ug/kg							
n-Nitrosopiperidine	ND	83.3	ug/kg							
o+m+p-Cresols	ND	83.3	ug/kg							
o-Cresol	ND	83.3	ug/kg							
p-(Dimethylamino) azobenzene	ND	83.3	ug/kg							
p-Chloro-m-cresol	ND	83.3	ug/kg							
Pentachloronitrobenzene (quintozene)	ND	83.3	ug/kg							
Pentachlorophenol	ND	83.3	ug/kg							
Phenacetin	ND	83.3	ug/kg							
Phenanthrene	ND	83.3	ug/kg							
Phenol	ND	83.3	ug/kg							
Pronamide	ND	83.3	ug/kg							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0962 - SW3550C/EPA600-MS										
Blank (BGL0962-BLK1)				Prepared: 12/22/2023 Analyzed: 12/27/2023						
Pyrene	ND	83.3	ug/kg							
Pyridine	ND	83.3	ug/kg							
Surr: 2,4,6-Tribromophenol (Surr)	*2060*		ug/kg	*3320*		*62.1*	*15-96*			
Surr: 2-Fluorobiphenyl (Surr)	*1580*		ug/kg	*1660*		*95.1*	*19-105*			
Surr: 2-Fluorophenol (Surr)	*2680*		ug/kg	*3320*		*80.8*	*12-95*			
Surr: Nitrobenzene-d5 (Surr)	*1270*		ug/kg	*1660*		*76.2*	*21-100*			
Surr: Phenol-d5 (Surr)	*2390*		ug/kg	*3320*		*71.9*	*13-100*			
Surr: p-Terphenyl-d14 (Surr)	*1660*		ug/kg	*1660*		*99.9*	*25-125*			
Blank (BGL0962-BLK2)				Prepared & Analyzed: 12/22/2023						
1,4-Dioxane (SIM)	ND	3.33	ug/kg							
Surr: Nitrobenzene-d5 (Surr)	*1220*		ug/kg	*1670*		*73.2*	*35-100*			
LCS (BGL0962-BS1)				Prepared: 12/22/2023 Analyzed: 12/27/2023						
1,2,4-Trichlorobenzene	843	83.3	ug/kg	1660		50.8	70-130			*L*
1,2-Dichlorobenzene	891	83.3	ug/kg	1660		53.6	70-130			*L*
1,3-Dichlorobenzene	895	83.3	ug/kg	1660		53.9	70-130			*L*
1,4-Dichlorobenzene	1040	83.3	ug/kg	1660		62.5	70-130			*L*
2,4,6-Trichlorophenol	1240	83.3	ug/kg	1660		74.7	20-115			
2,4-Dichlorophenol	883	83.3	ug/kg	1660		53.2	20-111			
2,4-Dimethylphenol	814	83.3	ug/kg	1660		49.0	20-110			
2,4-Dinitrophenol	1330	83.3	ug/kg	1660		80.2	10-169			
2,4-Dinitrotoluene	1100	83.3	ug/kg	1660		66.3	21-125			
2,6-Dinitrotoluene	1100	83.3	ug/kg	1660		66.3	15-140			
2-Chloronaphthalene	1110	83.3	ug/kg	1660		66.7	22-105			
2-Chlorophenol	1000	83.3	ug/kg	1660		60.3	15-107			

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0962 - SW3550C/EPA600-MS										
LCS (BGL0962-BS1)				Prepared: 12/22/2023 Analyzed: 12/27/2023						
2-Nitrophenol	899	83.3	ug/kg	1660		54.1	20-115			
3,3'-Dichlorobenzidine	528	83.3	ug/kg	1660		31.8	10-110			
4,6-Dinitro-2-methylphenol	1370	83.3	ug/kg	1660		82.3	40-130			
4-Bromophenyl phenyl ether	903	83.3	ug/kg	1660		54.4	20-114			
4-Chlorophenyl phenyl ether	1060	83.3	ug/kg	1660		64.1	15-110			
4-Nitrophenol	1380	83.3	ug/kg	1660		82.8	15-110			
Acenaphthene	1420	83.3	ug/kg	1660		85.4	24-110			
Acenaphthylene	1390	83.3	ug/kg	1660		83.5	25-106			
Acetophenone	952	83.3	ug/kg	1660		57.3	25-106			
Anthracene	1270	83.3	ug/kg	1660		76.5	25-117			
Benzo (a) anthracene	1250	83.3	ug/kg	1660		75.2	25-127			
Benzo (a) pyrene	1410	83.3	ug/kg	1660		84.6	18-127			
Benzo (b) fluoranthene	1330	83.3	ug/kg	1660		80.1	20-132			
Benzo (g,h,i) perylene	1400	83.3	ug/kg	1660		84.3	10-136			
Benzo (k) fluoranthene	1490	83.3	ug/kg	1660		90.0	14-136			
bis (2-Chloroethoxy) methane	702	83.3	ug/kg	1660		42.3	20-100			
bis (2-Chloroethyl) ether	752	83.3	ug/kg	1660		45.3	13-100			
2,2'-Oxybis (1-chloropropane)	794	83.3	ug/kg	1660		47.8	40-125			
bis (2-Ethylhexyl) phthalate	1190	83.3	ug/kg	1660		71.4	18-137			
Butyl benzyl phthalate	1100	83.3	ug/kg	1660		66.4	20-141			
Chrysene	1310	83.3	ug/kg	1660		78.6	21-141			
Dibenz (a,h) anthracene	1550	83.3	ug/kg	1660		93.2	10-142			
Diethyl phthalate	1330	83.3	ug/kg	1660		80.3	20-120			
Dimethyl phthalate	1030	83.3	ug/kg	1660		62.1	23-109			
Di-n-butyl phthalate	1980	83.3	ug/kg	1660		119	18-136			

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0962 - SW3550C/EPA600-MS										
LCS (BGL0962-BS1)				Prepared: 12/22/2023 Analyzed: 12/27/2023						
Di-n-octyl phthalate	1680	83.3	ug/kg	1660		101	10-160			
Fluoranthene	1560	83.3	ug/kg	1660		94.1	19-138			
Fluorene	1300	83.3	ug/kg	1660		78.4	25-114			
Hexachlorobenzene	732	83.3	ug/kg	1660		44.0	20-113			
Hexachlorobutadiene	1020	83.3	ug/kg	1660		61.7	25-125			
Hexachlorocyclopentadiene	820	83.3	ug/kg	1660		49.4	10-125			
Hexachloroethane	996	83.3	ug/kg	1660		60.0	25-125			
Indeno (1,2,3-cd) pyrene	1440	83.3	ug/kg	1660		86.9	10-136			
Isophorone	532	83.3	ug/kg	1660		32.0	10-110			
Naphthalene	1310	83.3	ug/kg	1660		78.8	18-109			
Nitrobenzene	1030	83.3	ug/kg	1660		61.9	18-104			
n-Nitrosodimethylamine	568	83.3	ug/kg	1660		34.2	18-110			
n-Nitrosodi-n-propylamine	913	83.3	ug/kg	1660		55.0	12-102			
n-Nitrosodiphenylamine	822	83.3	ug/kg	1660		49.5	12-97			
p-Chloro-m-cresol	912	83.3	ug/kg	1660		54.9	24-120			
Pentachlorophenol	405	83.3	ug/kg	1660		24.4	10-116			
Phenanthrene	1210	83.3	ug/kg	1660		72.7	25-122			
Phenol	1010	83.3	ug/kg	1680		60.1	12-115			
Pyrene	1280	83.3	ug/kg	1660		77.1	17-159			
Pyridine	635	83.3	ug/kg	1660		38.2	0-200			
Surr: 2,4,6-Tribromophenol (Surr)	*2060*		ug/kg	*3320*		*62.0*	*15-96*			
Surr: 2-Fluorobiphenyl (Surr)	*1210*		ug/kg	*1660*		*73.1*	*19-105*			
Surr: 2-Fluorophenol (Surr)	*2240*		ug/kg	*3320*		*67.3*	*12-95*			
Surr: Nitrobenzene-d5 (Surr)	*1070*		ug/kg	*1660*		*64.5*	*21-100*			
Surr: Phenol-d5 (Surr)	*2030*		ug/kg	*3320*		*61.2*	*13-100*			

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0962 - SW3550C/EPA600-MS										
LCS (BGL0962-BS1)				Prepared: 12/22/2023 Analyzed: 12/27/2023						
Surr: p-Terphenyl-d14 (Surr)	*1160*		ug/kg	*1660*		*69.6*	*25-125*			
LCS (BGL0962-BS2)				Prepared & Analyzed: 12/22/2023						
1,4-Dioxane (SIM)	30.9	3.32	ug/kg				0-200			
Surr: Nitrobenzene-d5 (Surr)	*1320*		ug/kg	*1660*		*79.8*	*35-100*			
Matrix Spike (BGL0962-MS1)	**Source: 23L1228-07**			Prepared: 12/22/2023 Analyzed: 12/27/2023						
1,2,4-Trichlorobenzene	873	96.9	ug/kg	1940	BLOD	45.0	70-130			*M*
1,2-Dichlorobenzene	892	96.9	ug/kg	1940	BLOD	46.0	70-130			*M*
1,3-Dichlorobenzene	862	96.9	ug/kg	1940	BLOD	44.5	70-130			*M*
1,4-Dichlorobenzene	1040	96.9	ug/kg	1940	BLOD	53.5	70-130			*M*
2,4,6-Trichlorophenol	1370	96.9	ug/kg	1940	BLOD	70.6	10-115			
2,4-Dichlorophenol	970	96.9	ug/kg	1940	BLOD	50.1	10-128			
2,4-Dimethylphenol	768	96.9	ug/kg	1940	BLOD	39.6	10-121			
2,4-Dinitrophenol	1690	96.9	ug/kg	1940	BLOD	87.2	10-228			
2,4-Dinitrotoluene	1240	96.9	ug/kg	1940	BLOD	63.9	10-141			
2,6-Dinitrotoluene	1240	96.9	ug/kg	1940	BLOD	63.9	15-140			
2-Chloronaphthalene	1220	96.9	ug/kg	1940	BLOD	62.8	10-108			
2-Chlorophenol	1080	96.9	ug/kg	1940	BLOD	55.8	10-117			
2-Nitrophenol	1020	96.9	ug/kg	1940	BLOD	52.5	10-131			
3,3'-Dichlorobenzidine	281	96.9	ug/kg	1940	BLOD	14.5	10-110			
4,6-Dinitro-2-methylphenol	1650	96.9	ug/kg	1940	BLOD	85.3	10-110			
4-Bromophenyl phenyl ether	1020	96.9	ug/kg	1940	BLOD	52.6	10-119			
4-Chlorophenyl phenyl ether	1190	96.9	ug/kg	1940	BLOD	61.3	15-110			
4-Nitrophenol	1910	96.9	ug/kg	1940	BLOD	98.4	15-110			
Acenaphthene	1520	96.9	ug/kg	1940	BLOD	78.3	10-124			

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0962 - SW3550C/EPA600-MS										
Matrix Spike (BGL0962-MS1)	**Source: 23L1228-07**			Prepared: 12/22/2023 Analyzed: 12/27/2023						
Acenaphthylene	1460	96.9	ug/kg	1940	BLOD	75.5	10-118			
Acetophenone	1080	96.9	ug/kg	38.8	BLOD	2780	10-110			*M*
Anthracene	1480	96.9	ug/kg	1940	BLOD	76.4	10-143			
Benzo (a) anthracene	1390	96.9	ug/kg	1940	BLOD	71.7	10-169			
Benzo (a) pyrene	1640	96.9	ug/kg	1940	BLOD	84.6	10-149			
Benzo (b) fluoranthene	2040	96.9	ug/kg	1940	BLOD	105	10-150			
Benzo (g,h,i) perylene	654	96.9	ug/kg	1940	BLOD	33.7	10-123			
Benzo (k) fluoranthene	1780	96.9	ug/kg	1940	BLOD	92.0	10-211			
bis (2-Chloroethoxy) methane	758	96.9	ug/kg	1940	BLOD	39.1	10-108			
bis (2-Chloroethyl) ether	857	96.9	ug/kg	1940	BLOD	44.2	10-100			
2,2'-Oxybis (1-chloropropane)	868	96.9	ug/kg	1940	BLOD	44.8	40-125			
bis (2-Ethylhexyl) phthalate	1200	96.9	ug/kg	1940	BLOD	62.2	10-210			
Butyl benzyl phthalate	1140	96.9	ug/kg	1940	BLOD	59.0	10-165			
Chrysene	1470	96.9	ug/kg	1940	BLOD	75.6	10-172			
Dibenz (a,h) anthracene	862	96.9	ug/kg	1940	BLOD	44.5	10-128			
Diethyl phthalate	1470	96.9	ug/kg	1940	BLOD	76.0	10-120			
Dimethyl phthalate	1160	96.9	ug/kg	1940	BLOD	59.9	10-125			
Di-n-butyl phthalate	2000	96.9	ug/kg	1940	BLOD	103	10-133			
Di-n-octyl phthalate	3290	96.9	ug/kg	1940	BLOD	170	10-196			
Fluoranthene	1690	96.9	ug/kg	1940	BLOD	87.2	10-271			
Fluorene	1490	96.9	ug/kg	1940	BLOD	76.9	10-124			
Hexachlorobenzene	822	96.9	ug/kg	1940	BLOD	42.4	10-125			
Hexachlorobutadiene	1010	96.9	ug/kg	1940	BLOD	52.3	10-125			
Hexachlorocyclopentadiene	676	96.9	ug/kg	1940	BLOD	34.9	10-125			
Hexachloroethane	944	96.9	ug/kg	1940	BLOD	48.7	10-220			

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0962 - SW3550C/EPA600-MS										
Matrix Spike (BGL0962-MS1)	**Source: 23L1228-07**			Prepared: 12/22/2023 Analyzed: 12/27/2023						
Indeno (1,2,3-cd) pyrene	795	96.9	ug/kg	1940	BLOD	41.0	10-127			
Isophorone	573	96.9	ug/kg	1940	BLOD	29.6	10-110			
Naphthalene	1360	96.9	ug/kg	1940	BLOD	70.1	10-118			
Nitrobenzene	1190	96.9	ug/kg	1940	BLOD	61.4	10-126			
n-Nitrosodimethylamine	616	96.9	ug/kg	1940	BLOD	31.8	10-110			
n-Nitrosodi-n-propylamine	1030	96.9	ug/kg	1940	BLOD	52.9	10-107			
n-Nitrosodiphenylamine	912	96.9	ug/kg	1940	BLOD	47.0	10-107			
p-Chloro-m-cresol	1030	96.9	ug/kg	1940	BLOD	53.3	10-131			
Pentachlorophenol	532	96.9	ug/kg	1940	BLOD	27.5	10-151			
Phenanthrene	1620	96.9	ug/kg	1940	BLOD	83.5	10-393			
Phenol	1130	96.9	ug/kg	1960	BLOD	57.5	10-133			
Pyrene	1390	96.9	ug/kg	1940	BLOD	71.8	10-212			
Pyridine	690	96.9	ug/kg	1940	BLOD	35.6	0-200			
Surr: 2,4,6-Tribromophenol (Surr)	*2460*		ug/kg	*3880*		*63.5*	*15-96*			
Surr: 2-Fluorobiphenyl (Surr)	*1270*		ug/kg	*1940*		*65.3*	*19-105*			
Surr: 2-Fluorophenol (Surr)	*2410*		ug/kg	*3880*		*62.2*	*12-95*			
Surr: Nitrobenzene-d5 (Surr)	*1180*		ug/kg	*1940*		*61.1*	*21-100*			
Surr: Phenol-d5 (Surr)	*2240*		ug/kg	*3880*		*57.9*	*13-100*			
Surr: p-Terphenyl-d14 (Surr)	*1210*		ug/kg	*1940*		*62.5*	*25-125*			
Matrix Spike (BGL0962-MS2)	**Source: 23L1228-07**			Prepared & Analyzed: 12/22/2023						
1,4-Dioxane (SIM)	35.0	3.97	ug/kg		BLOD		0-200			
Surr: Nitrobenzene-d5 (Surr)	*1740*		ug/kg	*1990*		*87.3*	*35-100*			
Matrix Spike Dup (BGL0962-MSD1)	**Source: 23L1228-07**			Prepared: 12/22/2023 Analyzed: 12/27/2023						
1,2,4-Trichlorobenzene	861	97.7	ug/kg	1960	BLOD	44.0	70-130	1.32	20	*M*

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0962 - SW3550C/EPA600-MS										
Matrix Spike Dup (BGL0962-MSD1)	**Source: 23L1228-07**			Prepared: 12/22/2023 Analyzed: 12/27/2023						
1,2-Dichlorobenzene	859	97.7	ug/kg	1960	BLOD	43.9	70-130	3.74	20	*M*
1,3-Dichlorobenzene	873	97.7	ug/kg	1960	BLOD	44.6	70-130	1.24	20	*M*
1,4-Dichlorobenzene	1010	97.7	ug/kg	1960	BLOD	51.4	70-130	3.05	20	*M*
2,4,6-Trichlorophenol	1300	97.7	ug/kg	1960	BLOD	66.5	10-115	5.19	20	
2,4-Dichlorophenol	954	97.7	ug/kg	1960	BLOD	48.8	10-128	1.75	20	
2,4-Dimethylphenol	759	97.7	ug/kg	1960	BLOD	38.8	10-121	1.21	20	
2,4-Dinitrophenol	1400	97.7	ug/kg	1960	BLOD	71.6	10-228	18.7	20	
2,4-Dinitrotoluene	1190	97.7	ug/kg	1960	BLOD	60.7	10-141	4.32	20	
2,6-Dinitrotoluene	1190	97.7	ug/kg	1960	BLOD	60.7	15-140	4.32	20	
2-Chloronaphthalene	1170	97.7	ug/kg	1960	BLOD	59.7	10-108	4.11	20	
2-Chlorophenol	1060	97.7	ug/kg	1960	BLOD	54.0	10-117	2.32	20	
2-Nitrophenol	1010	97.7	ug/kg	1960	BLOD	51.5	10-131	1.04	20	
3,3'-Dichlorobenzidine	535	97.7	ug/kg	1960	BLOD	27.4	10-110	62.4	20	*P*
4,6-Dinitro-2-methylphenol	1360	97.7	ug/kg	1960	BLOD	69.7	10-110	19.4	20	
4-Bromophenyl phenyl ether	924	97.7	ug/kg	1960	BLOD	47.3	10-119	9.78	20	
4-Chlorophenyl phenyl ether	1120	97.7	ug/kg	1960	BLOD	57.1	15-110	6.11	20	
4-Nitrophenol	1660	97.7	ug/kg	1960	BLOD	84.8	15-110	13.9	20	
Acenaphthene	1440	97.7	ug/kg	1960	BLOD	73.8	10-124	5.06	20	
Acenaphthylene	1380	97.7	ug/kg	1960	BLOD	70.8	10-118	5.60	20	
Acetophenone	1080	97.7	ug/kg	39.1	BLOD	2770	10-110	0.450	20	*M*
Anthracene	1290	97.7	ug/kg	1960	BLOD	65.7	10-143	14.2	20	
Benzo (a) anthracene	1360	97.7	ug/kg	1960	BLOD	69.3	10-169	2.47	20	
Benzo (a) pyrene	1550	97.7	ug/kg	1960	BLOD	79.2	10-149	5.71	20	
Benzo (b) fluoranthene	1550	97.7	ug/kg	1960	BLOD	79.3	10-150	27.1	20	*P*
Benzo (g,h,i) perylene	726	97.7	ug/kg	1960	BLOD	37.1	10-123	10.4	20	

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0962 - SW3550C/EPA600-MS										
Matrix Spike Dup (BGL0962-MSD1)	**Source: 23L1228-07**			Prepared: 12/22/2023 Analyzed: 12/27/2023						
Benzo (k) fluoranthene	1740	97.7	ug/kg	1960	BLOD	89.2	10-211	2.19	20	
bis (2-Chloroethoxy) methane	756	97.7	ug/kg	1960	BLOD	38.7	10-108	0.301	20	
bis (2-Chloroethyl) ether	845	97.7	ug/kg	1960	BLOD	43.2	10-100	1.41	20	
2,2'-Oxybis (1-chloropropane)	857	97.7	ug/kg	1960	BLOD	43.8	40-125	1.33	20	
bis (2-Ethylhexyl) phthalate	1270	97.7	ug/kg	1960	BLOD	64.7	10-210	4.95	20	
Butyl benzyl phthalate	1190	97.7	ug/kg	1960	BLOD	60.7	10-165	3.75	20	
Chrysene	1430	97.7	ug/kg	1960	BLOD	73.3	10-172	2.18	20	
Dibenz (a,h) anthracene	1040	97.7	ug/kg	1960	BLOD	53.0	10-128	18.5	20	
Diethyl phthalate	1410	97.7	ug/kg	1960	BLOD	71.9	10-120	4.67	20	
Dimethyl phthalate	1140	97.7	ug/kg	1960	BLOD	58.1	10-125	2.10	20	
Di-n-butyl phthalate	1830	97.7	ug/kg	1960	BLOD	93.6	10-133	8.63	20	
Di-n-octyl phthalate	1880	97.7	ug/kg	1960	BLOD	96.1	10-196	54.6	20	*P*
Fluoranthene	1500	97.7	ug/kg	1960	BLOD	76.7	10-271	12.0	20	
Fluorene	1350	97.7	ug/kg	1960	BLOD	69.0	10-124	9.92	20	
Hexachlorobenzene	757	97.7	ug/kg	1960	BLOD	38.7	10-125	8.24	20	
Hexachlorobutadiene	977	97.7	ug/kg	1960	BLOD	50.0	10-125	3.66	20	
Hexachlorocyclopentadiene	620	97.7	ug/kg	1960	BLOD	31.7	10-125	8.67	20	
Hexachloroethane	925	97.7	ug/kg	1960	BLOD	47.3	10-220	1.99	20	
Indeno (1,2,3-cd) pyrene	921	97.7	ug/kg	1960	BLOD	47.1	10-127	14.7	20	
Isophorone	556	97.7	ug/kg	1960	BLOD	28.4	10-110	3.12	20	
Naphthalene	1280	97.7	ug/kg	1960	BLOD	65.2	10-118	6.33	20	
Nitrobenzene	1140	97.7	ug/kg	1960	BLOD	58.3	10-126	4.37	20	
n-Nitrosodimethylamine	599	97.7	ug/kg	1960	BLOD	30.6	10-110	2.77	20	
n-Nitrosodi-n-propylamine	1010	97.7	ug/kg	1960	BLOD	51.6	10-107	1.53	20	
n-Nitrosodiphenylamine	865	97.7	ug/kg	1960	BLOD	44.2	10-107	5.30	20	

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0962 - SW3550C/EPA600-MS										
Matrix Spike Dup (BGL0962-MSD1)	**Source: 23L1228-07**			Prepared: 12/22/2023 Analyzed: 12/27/2023						
p-Chloro-m-cresol	974	97.7	ug/kg	1960	BLOD	49.8	10-131	5.94	20	
Pentachlorophenol	545	97.7	ug/kg	1960	BLOD	27.9	10-151	2.40	20	
Phenanthrene	1440	97.7	ug/kg	1960	BLOD	73.9	10-393	11.3	20	
Phenol	1090	97.7	ug/kg	1980	BLOD	55.1	10-133	3.27	20	
Pyrene	1480	97.7	ug/kg	1960	BLOD	75.5	10-212	5.96	20	
Pyridine	419	97.7	ug/kg	1960	BLOD	21.4	0-200	48.8	20	*P*
Surr: 2,4,6-Tribromophenol (Surr)	*2190*		ug/kg	*3910*		*56.1*	*15-96*			
Surr: 2-Fluorobiphenyl (Surr)	*1210*		ug/kg	*1960*		*61.8*	*19-105*			
Surr: 2-Fluorophenol (Surr)	*2250*		ug/kg	*3910*		*57.5*	*12-95*			
Surr: Nitrobenzene-d5 (Surr)	*1120*		ug/kg	*1960*		*57.4*	*21-100*			
Surr: Phenol-d5 (Surr)	*2140*		ug/kg	*3910*		*54.6*	*13-100*			
Surr: p-Terphenyl-d14 (Surr)	*1280*		ug/kg	*1960*		*65.2*	*25-125*			
Matrix Spike Dup (BGL0962-MSD2)	**Source: 23L1228-07**			Prepared & Analyzed: 12/22/2023						
1,4-Dioxane (SIM)	30.6	3.97	ug/kg		BLOD		0-200	13.3	20	
Surr: Nitrobenzene-d5 (Surr)	*1620*		ug/kg	*1990*		*81.4*	*35-100*			
Batch BGL1076 - SW3550C/EPA600-MS										
Blank (BGL1076-BLK1)				Prepared: 12/27/2023 Analyzed: 12/28/2023						
1,2,4,5-Tetrachlorobenzene	ND	83.3	ug/kg							
1,2,4-Trichlorobenzene	ND	83.3	ug/kg							
1,2-Dichlorobenzene	ND	83.3	ug/kg							
1,2-Diphenylhydrazine	ND	83.3	ug/kg							
1,3-Dichlorobenzene	ND	83.3	ug/kg							
1,3-Dinitrobenzene	ND	83.3	ug/kg							

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

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Batch BGL1076 - SW3550C/EPA600-MS										
Blank (BGL1076-BLK1)				Prepared: 12/27/2023 Analyzed: 12/28/2023						
1,4-Dichlorobenzene	ND	83.3	ug/kg							
1-Chloronaphthalene	ND	83.3	ug/kg							
1-Naphthylamine	ND	83.3	ug/kg							
2,3,4,6-Tetrachlorophenol	ND	83.3	ug/kg							
2,4,5-Trichlorophenol	ND	83.3	ug/kg							
2,4,6-Trichlorophenol	ND	83.3	ug/kg							
2,4-Dichlorophenol	ND	83.3	ug/kg							
2,4-Dimethylphenol	ND	83.3	ug/kg							
2,4-Dinitrophenol	ND	83.3	ug/kg							
2,4-Dinitrotoluene	ND	83.3	ug/kg							
2,6-Dichlorophenol	ND	83.3	ug/kg							
2,6-Dinitrotoluene	ND	83.3	ug/kg							
2-Chloronaphthalene	ND	83.3	ug/kg							
2-Chlorophenol	ND	83.3	ug/kg							
2-Methylnaphthalene	ND	83.3	ug/kg							
2-Naphthylamine	ND	83.3	ug/kg							
2-Nitroaniline	ND	83.3	ug/kg							
2-Nitrophenol	ND	83.3	ug/kg							
3,3'-Dichlorobenzidine	ND	83.3	ug/kg							
3-Methylcholanthrene	ND	83.3	ug/kg							
3-Nitroaniline	ND	83.3	ug/kg							
4,6-Dinitro-2-methylphenol	ND	83.3	ug/kg							
4-Aminobiphenyl	ND	83.3	ug/kg							
4-Bromophenyl phenyl ether	ND	83.3	ug/kg							
4-Chloroaniline	ND	83.3	ug/kg							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL1076 - SW3550C/EPA600-MS										
Blank (BGL1076-BLK1)				Prepared: 12/27/2023 Analyzed: 12/28/2023						
4-Chlorophenyl phenyl ether	ND	83.3	ug/kg							
4-Nitroaniline	ND	83.3	ug/kg							
4-Nitrophenol	ND	83.3	ug/kg							
7,12-Dimethylbenz (a) anthracene	ND	83.3	ug/kg							
Acenaphthene	ND	83.3	ug/kg							
Acenaphthylene	ND	83.3	ug/kg							
Acetophenone	ND	83.3	ug/kg							
Aniline	ND	83.3	ug/kg							
Anthracene	ND	83.3	ug/kg							
Benzidine	ND	83.3	ug/kg							
Benzo (a) anthracene	ND	83.3	ug/kg							
Benzo (a) pyrene	ND	83.3	ug/kg							
Benzo (b) fluoranthene	ND	83.3	ug/kg							
Benzo (g,h,i) perylene	ND	83.3	ug/kg							
Benzo (k) fluoranthene	ND	83.3	ug/kg							
Benzoic acid	ND	83.3	ug/kg							
Benzyl alcohol	ND	83.3	ug/kg							
bis (2-Chloroethoxy) methane	ND	83.3	ug/kg							
bis (2-Chloroethyl) ether	ND	83.3	ug/kg							
2,2'-Oxybis (1-chloropropane)	ND	83.3	ug/kg							
bis (2-Ethylhexyl) phthalate	ND	83.3	ug/kg							
Butyl benzyl phthalate	ND	83.3	ug/kg							
Chrysene	ND	83.3	ug/kg							
Dibenz (a,h) anthracene	ND	83.3	ug/kg							
Dibenz (a,j) acridine	ND	83.3	ug/kg							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL1076 - SW3550C/EPA600-MS										
Blank (BGL1076-BLK1)				Prepared: 12/27/2023 Analyzed: 12/28/2023						
Dibenzofuran	ND	83.3	ug/kg							
Diethyl phthalate	ND	83.3	ug/kg							
Dimethyl phthalate	ND	83.3	ug/kg							
Di-n-butyl phthalate	ND	83.3	ug/kg							
Di-n-octyl phthalate	ND	83.3	ug/kg							
Diphenylamine	ND	83.3	ug/kg							
Ethyl methanesulfonate	ND	83.3	ug/kg							
Fluoranthene	ND	83.3	ug/kg							
Fluorene	ND	83.3	ug/kg							
Hexachlorobenzene	ND	83.3	ug/kg							
Hexachlorobutadiene	ND	83.3	ug/kg							
Hexachlorocyclopentadiene	ND	83.3	ug/kg							
Hexachloroethane	ND	83.3	ug/kg							
Indeno (1,2,3-cd) pyrene	ND	83.3	ug/kg							
Isophorone	ND	83.3	ug/kg							
m+p-Cresols	ND	83.3	ug/kg							
Methyl methanesulfonate	ND	83.3	ug/kg							
Naphthalene	ND	83.3	ug/kg							
Nitrobenzene	ND	83.3	ug/kg							
n-Nitrosodimethylamine	ND	83.3	ug/kg							
n-Nitrosodi-n-butylamine	ND	83.3	ug/kg							
n-Nitrosodi-n-propylamine	ND	83.3	ug/kg							
n-Nitrosodiphenylamine	ND	83.3	ug/kg							
n-Nitrosopiperidine	ND	83.3	ug/kg							
o+m+p-Cresols	ND	83.3	ug/kg							

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Batch BGL1076 - SW3550C/EPA600-MS										
Blank (BGL1076-BLK1)				Prepared: 12/27/2023 Analyzed: 12/28/2023						
o-Cresol	ND	83.3	ug/kg							
p-(Dimethylamino) azobenzene	ND	83.3	ug/kg							
p-Chloro-m-cresol	ND	83.3	ug/kg							
Pentachloronitrobenzene (quintozene)	ND	83.3	ug/kg							
Pentachlorophenol	ND	83.3	ug/kg							
Phenacetin	ND	83.3	ug/kg							
Phenanthrene	ND	83.3	ug/kg							
Phenol	ND	83.3	ug/kg							
Pronamide	ND	83.3	ug/kg							
Pyrene	ND	83.3	ug/kg							
Pyridine	ND	83.3	ug/kg							
Surr: 2,4,6-Tribromophenol (Surr)	*1690*		ug/kg	*3330*		*50.8*	*15-96*			
Surr: 2-Fluorobiphenyl (Surr)	*1040*		ug/kg	*1670*		*62.6*	*19-105*			
Surr: 2-Fluorophenol (Surr)	*1650*		ug/kg	*3330*		*49.4*	*12-95*			
Surr: Nitrobenzene-d5 (Surr)	*1010*		ug/kg	*1670*		*60.7*	*21-100*			
Surr: Phenol-d5 (Surr)	*1670*		ug/kg	*3330*		*50.1*	*13-100*			
Surr: p-Terphenyl-d14 (Surr)	*1250*		ug/kg	*1670*		*74.9*	*25-125*			
Blank (BGL1076-BLK2)				Prepared: 12/27/2023 Analyzed: 12/28/2023						
1,4-Dioxane (SIM)	ND	3.33	ug/kg							
Surr: Nitrobenzene-d5 (Surr)	*1210*		ug/kg	*1670*		*72.6*	*35-100*			
LCS (BGL1076-BS1)				Prepared: 12/27/2023 Analyzed: 12/28/2023						
1,2,4-Trichlorobenzene	932	83.3	ug/kg	1640		56.8	70-130			*L*
1,2-Dichlorobenzene	920	83.3	ug/kg	1640		56.1	70-130			*L*
1,3-Dichlorobenzene	918	83.3	ug/kg	1640		56.0	70-130			*L*

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Batch BGL1076 - SW3550C/EPA600-MS										
LCS (BGL1076-BS1)				Prepared: 12/27/2023 Analyzed: 12/28/2023						
1,4-Dichlorobenzene	1060	83.3	ug/kg	1640		64.5	70-130			*L*
2,4,6-Trichlorophenol	1210	83.3	ug/kg	1640		73.8	20-115			
2,4-Dichlorophenol	925	83.3	ug/kg	1640		56.4	20-111			
2,4-Dimethylphenol	876	83.3	ug/kg	1640		53.4	20-110			
2,4-Dinitrophenol	1200	83.3	ug/kg	1640		73.5	10-169			
2,4-Dinitrotoluene	1130	83.3	ug/kg	1640		69.2	21-125			
2,6-Dinitrotoluene	1130	83.3	ug/kg	1640		69.2	15-140			
2-Chloronaphthalene	1130	83.3	ug/kg	1640		69.0	22-105			
2-Chlorophenol	973	83.3	ug/kg	1640		59.3	15-107			
2-Nitrophenol	971	83.3	ug/kg	1640		59.2	20-115			
3,3'-Dichlorobenzidine	839	83.3	ug/kg	1640		51.2	10-110			
4,6-Dinitro-2-methylphenol	1230	83.3	ug/kg	1640		75.2	40-130			
4-Bromophenyl phenyl ether	938	83.3	ug/kg	1640		57.2	20-114			
4-Chlorophenyl phenyl ether	1080	83.3	ug/kg	1640		65.9	15-110			
4-Nitrophenol	1510	83.3	ug/kg	1640		92.2	15-110			
Acenaphthene	1360	83.3	ug/kg	1640		82.8	24-110			
Acenaphthylene	1300	83.3	ug/kg	1640		79.1	25-106			
Acetophenone	961	83.3	ug/kg	1640		58.6	25-106			
Anthracene	1260	83.3	ug/kg	1640		76.8	25-117			
Benzidine	ND	83.3	ug/kg	1640			25-110			
Benzo (a) anthracene	1200	83.3	ug/kg	1640		73.0	25-127			
Benzo (a) pyrene	1370	83.3	ug/kg	1640		83.5	18-127			
Benzo (b) fluoranthene	1440	83.3	ug/kg	1640		87.7	20-132			
Benzo (g,h,i) perylene	567	83.3	ug/kg	1640		34.6	10-136			
Benzo (k) fluoranthene	1490	83.3	ug/kg	1640		90.8	14-136			

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Batch BGL1076 - SW3550C/EPA600-MS										
LCS (BGL1076-BS1)				Prepared: 12/27/2023 Analyzed: 12/28/2023						
bis (2-Chloroethoxy) methane	739	83.3	ug/kg	1640		45.1	20-100			
bis (2-Chloroethyl) ether	777	83.3	ug/kg	1640		47.4	13-100			
2,2'-Oxybis (1-chloropropane)	822	83.3	ug/kg	1640		50.1	40-125			
bis (2-Ethylhexyl) phthalate	1190	83.3	ug/kg	1640		72.6	18-137			
Butyl benzyl phthalate	1130	83.3	ug/kg	1640		69.0	20-141			
Chrysene	1210	83.3	ug/kg	1640		74.0	21-141			
Dibenz (a,h) anthracene	773	83.3	ug/kg	1640		47.1	10-142			
Diethyl phthalate	1250	83.3	ug/kg	1640		76.4	20-120			
Dimethyl phthalate	1010	83.3	ug/kg	1640		61.5	23-109			
Di-n-butyl phthalate	1660	83.3	ug/kg	1640		101	18-136			
Di-n-octyl phthalate	1820	83.3	ug/kg	1640		111	10-160			
Fluoranthene	1460	83.3	ug/kg	1640		88.9	19-138			
Fluorene	1270	83.3	ug/kg	1640		77.5	25-114			
Hexachlorobenzene	751	83.3	ug/kg	1640		45.8	20-113			
Hexachlorobutadiene	1120	83.3	ug/kg	1640		68.4	25-125			
Hexachlorocyclopentadiene	735	83.3	ug/kg	1640		44.8	10-125			
Hexachloroethane	989	83.3	ug/kg	1640		60.3	25-125			
Indeno (1,2,3-cd) pyrene	694	83.3	ug/kg	1640		42.3	10-136			
Isophorone	526	83.3	ug/kg	1640		32.1	10-110			
Naphthalene	1270	83.3	ug/kg	1640		77.6	18-109			
Nitrobenzene	1090	83.3	ug/kg	1640		66.4	18-104			
n-Nitrosodimethylamine	498	83.3	ug/kg	1640		30.4	18-110			
n-Nitrosodi-n-propylamine	903	83.3	ug/kg	1640		55.1	12-102			
n-Nitrosodiphenylamine	879	83.3	ug/kg	1640		53.6	12-97			
p-Chloro-m-cresol	940	83.3	ug/kg	1640		57.4	24-120			

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL1076 - SW3550C/EPA600-MS										
LCS (BGL1076-BS1)				Prepared: 12/27/2023 Analyzed: 12/28/2023						
Pentachlorophenol	397	83.3	ug/kg	1640		24.2	10-116			
Phenanthrene	1270	83.3	ug/kg	1640		77.4	25-122			
Phenol	950	83.3	ug/kg	1660		57.3	12-115			
Pyrene	1150	83.3	ug/kg	1640		70.4	17-159			
Pyridine	441	83.3	ug/kg	1640		26.9	0-200			
Surr: 2,4,6-Tribromophenol (Surr)	*1930*		ug/kg	*3280*		*58.8*	*15-96*			
Surr: 2-Fluorobiphenyl (Surr)	*1140*		ug/kg	*1640*		*69.5*	*19-105*			
Surr: 2-Fluorophenol (Surr)	*1670*		ug/kg	*3280*		*51.0*	*12-95*			
Surr: Nitrobenzene-d5 (Surr)	*1030*		ug/kg	*1640*		*62.9*	*21-100*			
Surr: Phenol-d5 (Surr)	*1810*		ug/kg	*3280*		*55.2*	*13-100*			
Surr: p-Terphenyl-d14 (Surr)	*1080*		ug/kg	*1640*		*65.6*	*25-125*			
LCS (BGL1076-BS2)				Prepared: 12/27/2023 Analyzed: 12/28/2023						
1,4-Dioxane (SIM)	33.7	3.33	ug/kg				0-200			
Surr: Nitrobenzene-d5 (Surr)	*1190*		ug/kg	*1670*		*71.1*	*35-100*			
Matrix Spike (BGL1076-MS1)	**Source: 23L1295-10**			Prepared: 12/27/2023 Analyzed: 12/28/2023						
1,2,4-Trichlorobenzene	930	99.3	ug/kg	1990	BLOD	46.8	70-130			*M*
1,2-Dichlorobenzene	892	99.3	ug/kg	1990	BLOD	44.9	70-130			*M*
1,3-Dichlorobenzene	874	99.3	ug/kg	1990	BLOD	44.0	70-130			*M*
1,4-Dichlorobenzene	1020	99.3	ug/kg	1990	BLOD	51.2	70-130			*M*
2,4,6-Trichlorophenol	1270	99.3	ug/kg	1990	BLOD	63.8	10-115			
2,4-Dichlorophenol	1010	99.3	ug/kg	1990	BLOD	50.7	10-128			
2,4-Dimethylphenol	975	99.3	ug/kg	1990	BLOD	49.0	10-121			
2,4-Dinitrophenol	1440	99.3	ug/kg	1990	BLOD	72.4	10-228			
2,4-Dinitrotoluene	1190	99.3	ug/kg	1990	BLOD	59.7	10-141			

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL1076 - SW3550C/EPA600-MS										
Matrix Spike (BGL1076-MS1)	**Source: 23L1295-10**			Prepared: 12/27/2023 Analyzed: 12/28/2023						
2,6-Dinitrotoluene	1190	99.3	ug/kg	1990	BLOD	59.7	15-140			
2-Chloronaphthalene	1120	99.3	ug/kg	1990	BLOD	56.4	10-108			
2-Chlorophenol	1040	99.3	ug/kg	1990	BLOD	52.1	10-117			
2-Nitrophenol	1070	99.3	ug/kg	1990	BLOD	53.9	10-131			
3,3'-Dichlorobenzidine	751	99.3	ug/kg	1990	BLOD	37.8	10-110			
4,6-Dinitro-2-methylphenol	1400	99.3	ug/kg	1990	BLOD	70.5	10-110			
4-Bromophenyl phenyl ether	1020	99.3	ug/kg	1990	BLOD	51.5	10-119			
4-Chlorophenyl phenyl ether	1080	99.3	ug/kg	1990	BLOD	54.1	15-110			
4-Nitrophenol	1690	99.3	ug/kg	1990	BLOD	84.9	15-110			
Acenaphthene	1370	99.3	ug/kg	1990	BLOD	68.9	10-124			
Acenaphthylene	1270	99.3	ug/kg	1990	BLOD	63.9	10-118			
Acetophenone	1050	99.3	ug/kg	1990	BLOD	52.6	10-110			
Anthracene	1320	99.3	ug/kg	1990	BLOD	66.6	10-143			
Benzo (a) anthracene	1230	99.3	ug/kg	1990	BLOD	61.9	10-169			
Benzo (a) pyrene	1410	99.3	ug/kg	1990	BLOD	71.0	10-149			
Benzo (b) fluoranthene	1500	99.3	ug/kg	1990	BLOD	75.6	10-150			
Benzo (g,h,i) perylene	543	99.3	ug/kg	1990	BLOD	27.3	10-123			
Benzo (k) fluoranthene	1540	99.3	ug/kg	1990	BLOD	77.6	10-211			
bis (2-Chloroethoxy) methane	804	99.3	ug/kg	1990	BLOD	40.5	10-108			
bis (2-Chloroethyl) ether	824	99.3	ug/kg	1990	BLOD	41.4	10-100			
2,2'-Oxybis (1-chloropropane)	815	99.3	ug/kg	1990	BLOD	41.0	40-125			
bis (2-Ethylhexyl) phthalate	1170	99.3	ug/kg	1990	BLOD	58.8	10-210			
Butyl benzyl phthalate	1120	99.3	ug/kg	1990	BLOD	56.4	10-165			
Chrysene	1240	99.3	ug/kg	1990	BLOD	62.2	10-172			
Dibenz (a,h) anthracene	767	99.3	ug/kg	1990	BLOD	38.6	10-128			

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL1076 - SW3550C/EPA600-MS										
Matrix Spike (BGL1076-MS1)	**Source: 23L1295-10**			Prepared: 12/27/2023 Analyzed: 12/28/2023						
Diethyl phthalate	1280	99.3	ug/kg	1990	BLOD	64.4	10-120			
Dimethyl phthalate	1070	99.3	ug/kg	1990	BLOD	53.8	10-125			
Di-n-butyl phthalate	1670	99.3	ug/kg	1990	BLOD	84.0	10-133			
Di-n-octyl phthalate	1750	99.3	ug/kg	1990	BLOD	88.0	10-196			
Fluoranthene	1430	99.3	ug/kg	1990	BLOD	72.1	10-271			
Fluorene	1270	99.3	ug/kg	1990	BLOD	63.7	10-124			
Hexachlorobenzene	819	99.3	ug/kg	1990	BLOD	41.2	10-125			
Hexachlorobutadiene	1120	99.3	ug/kg	1990	BLOD	56.2	10-125			
Hexachlorocyclopentadiene	746	99.3	ug/kg	1990	BLOD	37.5	10-125			
Hexachloroethane	946	99.3	ug/kg	1990	BLOD	47.6	10-220			
Indeno (1,2,3-cd) pyrene	672	99.3	ug/kg	1990	BLOD	33.8	10-127			
Isophorone	652	99.3	ug/kg	1990	BLOD	32.8	10-110			
Naphthalene	1270	99.3	ug/kg	1990	BLOD	63.8	10-118			
Nitrobenzene	1120	99.3	ug/kg	1990	BLOD	56.2	10-126			
n-Nitrosodimethylamine	535	99.3	ug/kg	1990	BLOD	26.9	10-110			
n-Nitrosodi-n-propylamine	950	99.3	ug/kg	1990	BLOD	47.8	10-107			
n-Nitrosodiphenylamine	893	99.3	ug/kg	1990	BLOD	44.9	10-107			
p-Chloro-m-cresol	1060	99.3	ug/kg	1990	BLOD	53.2	10-131			
Pentachlorophenol	703	99.3	ug/kg	1990	BLOD	35.4	10-151			
Phenanthrene	1250	99.3	ug/kg	1990	BLOD	63.0	10-393			
Phenol	1030	99.3	ug/kg	2010	BLOD	51.3	10-133			
Pyrene	1160	99.3	ug/kg	1990	BLOD	58.6	10-212			
Pyridine	293	99.3	ug/kg	1990	BLOD	14.8	0-200			
Surr: 2,4,6-Tribromophenol (Surr)	*2390*		ug/kg	*3970*		*60.2*	*15-96*			
Surr: 2-Fluorobiphenyl (Surr)	*1200*		ug/kg	*1990*		*60.3*	*19-105*			

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL1076 - SW3550C/EPA600-MS										
Matrix Spike (BGL1076-MS1)	**Source: 23L1295-10**			Prepared: 12/27/2023 Analyzed: 12/28/2023						
Surr: 2-Fluorophenol (Surr)	*2180*		ug/kg	*3970*		*54.9*	*12-95*			
Surr: Nitrobenzene-d5 (Surr)	*1140*		ug/kg	*1990*		*57.3*	*21-100*			
Surr: Phenol-d5 (Surr)	*2120*		ug/kg	*3970*		*53.3*	*13-100*			
Surr: p-Terphenyl-d14 (Surr)	*1120*		ug/kg	*1990*		*56.5*	*25-125*			
Matrix Spike (BGL1076-MS2)	**Source: 23L1295-10**			Prepared: 12/27/2023 Analyzed: 12/28/2023						
1,4-Dioxane (SIM)	ND	3.98	ug/kg		BLOD		0-200			
Surr: Nitrobenzene-d5 (Surr)	*1280*		ug/kg	*1990*		*64.3*	*35-100*			
Matrix Spike Dup (BGL1076-MSD1)	**Source: 23L1295-10**			Prepared: 12/27/2023 Analyzed: 12/28/2023						
1,2,4-Trichlorobenzene	892	98.0	ug/kg	1960	BLOD	45.5	70-130	4.22	20	*M*
1,2-Dichlorobenzene	867	98.0	ug/kg	1960	BLOD	44.2	70-130	2.94	20	*M*
1,3-Dichlorobenzene	861	98.0	ug/kg	1960	BLOD	43.9	70-130	1.46	20	*M*
1,4-Dichlorobenzene	988	98.0	ug/kg	1960	BLOD	50.4	70-130	2.94	20	*M*
2,4,6-Trichlorophenol	1210	98.0	ug/kg	1960	BLOD	61.8	10-115	4.44	20	
2,4-Dichlorophenol	935	98.0	ug/kg	1960	BLOD	47.7	10-128	7.50	20	
2,4-Dimethylphenol	905	98.0	ug/kg	1960	BLOD	46.1	10-121	7.41	20	
2,4-Dinitrophenol	1490	98.0	ug/kg	1960	BLOD	76.1	10-228	3.56	20	
2,4-Dinitrotoluene	1110	98.0	ug/kg	1960	BLOD	56.5	10-141	6.90	20	
2,6-Dinitrotoluene	1110	98.0	ug/kg	1960	BLOD	56.5	15-140	6.90	20	
2-Chloronaphthalene	1040	98.0	ug/kg	1960	BLOD	53.3	10-108	7.01	20	
2-Chlorophenol	1010	98.0	ug/kg	1960	BLOD	51.3	10-117	2.95	20	
2-Nitrophenol	987	98.0	ug/kg	1960	BLOD	50.3	10-131	8.27	20	
3,3'-Dichlorobenzidine	851	98.0	ug/kg	1960	BLOD	43.4	10-110	12.4	20	
4,6-Dinitro-2-methylphenol	1440	98.0	ug/kg	1960	BLOD	73.5	10-110	2.79	20	
4-Bromophenyl phenyl ether	967	98.0	ug/kg	1960	BLOD	49.3	10-119	5.76	20	

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Semivolatile Organic Compounds by GCMS - Quality Control

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL1076 - SW3550C/EPA600-MS										
Matrix Spike Dup (BGL1076-MSD1)	**Source: 23L1295-10**			Prepared: 12/27/2023 Analyzed: 12/28/2023						
4-Chlorophenyl phenyl ether	1040	98.0	ug/kg	1960	BLOD	53.1	15-110	3.22	20	
4-Nitrophenol	1830	98.0	ug/kg	1960	BLOD	93.5	15-110	8.32	20	
Acenaphthene	1280	98.0	ug/kg	1960	BLOD	65.5	10-124	6.38	20	
Acenaphthylene	1220	98.0	ug/kg	1960	BLOD	62.4	10-118	3.66	20	
Acetophenone	1010	98.0	ug/kg	1960	BLOD	51.6	10-110	3.32	20	
Anthracene	1270	98.0	ug/kg	1960	BLOD	64.9	10-143	3.94	20	
Benzo (a) anthracene	1240	98.0	ug/kg	1960	BLOD	63.3	10-169	1.04	20	
Benzo (a) pyrene	1410	98.0	ug/kg	1960	BLOD	71.9	10-149	0.0323	20	
Benzo (b) fluoranthene	1470	98.0	ug/kg	1960	BLOD	75.2	10-150	1.88	20	
Benzo (g,h,i) perylene	565	98.0	ug/kg	1960	BLOD	28.8	10-123	3.95	20	
Benzo (k) fluoranthene	1600	98.0	ug/kg	1960	BLOD	81.7	10-211	3.80	20	
bis (2-Chloroethoxy) methane	758	98.0	ug/kg	1960	BLOD	38.6	10-108	5.97	20	
bis (2-Chloroethyl) ether	770	98.0	ug/kg	1960	BLOD	39.3	10-100	6.72	20	
2,2'-Oxybis (1-chloropropane)	773	98.0	ug/kg	1960	BLOD	39.4	40-125	5.25	20	*M*
bis (2-Ethylhexyl) phthalate	1160	98.0	ug/kg	1960	BLOD	59.3	10-210	0.406	20	
Butyl benzyl phthalate	1120	98.0	ug/kg	1960	BLOD	57.0	10-165	0.262	20	
Chrysene	1240	98.0	ug/kg	1960	BLOD	63.4	10-172	0.654	20	
Dibenz (a,h) anthracene	772	98.0	ug/kg	1960	BLOD	39.4	10-128	0.630	20	
Diethyl phthalate	1200	98.0	ug/kg	1960	BLOD	61.4	10-120	6.09	20	
Dimethyl phthalate	1010	98.0	ug/kg	1960	BLOD	51.7	10-125	5.45	20	
Di-n-butyl phthalate	1640	98.0	ug/kg	1960	BLOD	83.6	10-133	1.80	20	
Di-n-octyl phthalate	1760	98.0	ug/kg	1960	BLOD	89.8	10-196	0.682	20	
Fluoranthene	1490	98.0	ug/kg	1960	BLOD	75.8	10-271	3.68	20	
Fluorene	1200	98.0	ug/kg	1960	BLOD	61.3	10-124	5.16	20	
Hexachlorobenzene	776	98.0	ug/kg	1960	BLOD	39.6	10-125	5.38	20	

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL1076 - SW3550C/EPA600-MS										
Matrix Spike Dup (BGL1076-MSD1)	**Source: 23L1295-10**			Prepared: 12/27/2023 Analyzed: 12/28/2023						
Hexachlorobutadiene	1040	98.0	ug/kg	1960	BLOD	53.2	10-125	6.84	20	
Hexachlorocyclopentadiene	676	98.0	ug/kg	1960	BLOD	34.5	10-125	9.87	20	
Hexachloroethane	916	98.0	ug/kg	1960	BLOD	46.7	10-220	3.27	20	
Indeno (1,2,3-cd) pyrene	685	98.0	ug/kg	1960	BLOD	34.9	10-127	1.88	20	
Isophorone	544	98.0	ug/kg	1960	BLOD	27.8	10-110	18.0	20	
Naphthalene	1220	98.0	ug/kg	1960	BLOD	62.4	10-118	3.67	20	
Nitrobenzene	1070	98.0	ug/kg	1960	BLOD	54.8	10-126	3.88	20	
n-Nitrosodimethylamine	496	98.0	ug/kg	1960	BLOD	25.3	10-110	7.60	20	
n-Nitrosodi-n-propylamine	909	98.0	ug/kg	1960	BLOD	46.3	10-107	4.42	20	
n-Nitrosodiphenylamine	873	98.0	ug/kg	1960	BLOD	44.5	10-107	2.26	20	
p-Chloro-m-cresol	1010	98.0	ug/kg	1960	BLOD	51.3	10-131	4.95	20	
Pentachlorophenol	748	98.0	ug/kg	1960	BLOD	38.1	10-151	6.19	20	
Phenanthrene	1340	98.0	ug/kg	1960	BLOD	68.3	10-393	6.75	20	
Phenol	984	98.0	ug/kg	1980	BLOD	49.7	10-133	4.50	20	
Pyrene	1120	98.0	ug/kg	1960	BLOD	57.0	10-212	4.09	20	
Pyridine	290	98.0	ug/kg	1960	BLOD	14.8	0-200	1.18	20	
Surr: 2,4,6-Tribromophenol (Surr)	*2080*		ug/kg	*3920*		*53.1*	*15-96*			
Surr: 2-Fluorobiphenyl (Surr)	*1010*		ug/kg	*1960*		*51.4*	*19-105*			
Surr: 2-Fluorophenol (Surr)	*2080*		ug/kg	*3920*		*53.1*	*12-95*			
Surr: Nitrobenzene-d5 (Surr)	*1050*		ug/kg	*1960*		*53.8*	*21-100*			
Surr: Phenol-d5 (Surr)	*1890*		ug/kg	*3920*		*48.3*	*13-100*			
Surr: p-Terphenyl-d14 (Surr)	*1030*		ug/kg	*1960*		*52.6*	*25-125*			
Matrix Spike Dup (BGL1076-MSD2)	**Source: 23L1295-10**			Prepared: 12/27/2023 Analyzed: 12/28/2023						
1,4-Dioxane (SIM)	ND	3.98	ug/kg		BLOD		0-200		20	

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Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL1076 - SW3550C/EPA600-MS										
Matrix Spike Dup (BGL1076-MSD2)	**Source: 23L1295-10**			Prepared: 12/27/2023 Analyzed: 12/28/2023						
Surr: Nitrobenzene-d5 (Surr)	*1250*		ug/kg	*1990*		*62.8*	*35-100*			

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Ion Chromatography Analyses - Quality Control

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0485 - No Prep IC										
Blank (BGL0485-BLK1)				Prepared & Analyzed: 12/12/2023						
Sulfate	ND	10.0	mg/kg							
LCS (BGL0485-BS1)				Prepared & Analyzed: 12/12/2023						
Sulfate	18.6	10	mg/kg	20.0		93.0	90-110			
LCS Dup (BGL0485-BSD1)				Prepared & Analyzed: 12/12/2023						
Sulfate	18.5	10	mg/kg	20.0		92.3	90-110	0.680	15	
Matrix Spike (BGL0485-MS1)	**Source: 23L0606-07**			Prepared & Analyzed: 12/13/2023						
Sulfate	109	12.1	mg/kg	115	3.73	91.7	90-110			
Matrix Spike (BGL0485-MS2)	**Source: 23L0606-08**			Prepared & Analyzed: 12/13/2023						
Sulfate	110	12.4	mg/kg	119	BLOD	92.9	90-110			
Matrix Spike Dup (BGL0485-MSD1)	**Source: 23L0606-07**			Prepared & Analyzed: 12/13/2023						
Sulfate	113	12.1	mg/kg	115	3.73	94.9	90-110	3.37	15	
Matrix Spike Dup (BGL0485-MSD2)	**Source: 23L0606-08**			Prepared & Analyzed: 12/13/2023						
Sulfate	111	12.4	mg/kg	119	BLOD	93.2	90-110	0.247	15	
Batch BGL0557 - No Prep IC										
Blank (BGL0557-BLK1)				Prepared & Analyzed: 12/13/2023						
Sulfate	ND	10.0	mg/kg							
LCS (BGL0557-BS1)				Prepared & Analyzed: 12/13/2023						
Sulfate	20.6	10	mg/kg	20.0		103	90-110			

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0557 - No Prep IC										
LCS Dup (BGL0557-BSD1)				Prepared & Analyzed: 12/13/2023						
Sulfate	20.7	10	mg/kg	20.0		103	90-110	0.194	15	
Matrix Spike (BGL0557-MS1)	**Source: 23L0675-01**			Prepared & Analyzed: 12/13/2023						
Sulfate	137	12.5	mg/kg	116	10.4	110	90-110			
Matrix Spike (BGL0557-MS2)	**Source: 23L0675-02**			Prepared & Analyzed: 12/14/2023						
Sulfate	141	12.5	mg/kg	123	7.56	108	90-110			
Matrix Spike Dup (BGL0557-MSD1)	**Source: 23L0675-01**			Prepared & Analyzed: 12/14/2023						
Sulfate	136	12.5	mg/kg	116	10.4	108	90-110	1.15	15	
Matrix Spike Dup (BGL0557-MSD2)	**Source: 23L0675-02**			Prepared & Analyzed: 12/14/2023						
Sulfate	142	12.5	mg/kg	123	7.56	109	90-110	1.02	15	
Batch BGL0651 - No Prep IC										
Blank (BGL0651-BLK1)				Prepared & Analyzed: 12/14/2023						
Sulfate	ND	10.0	mg/kg							
LCS (BGL0651-BS1)				Prepared & Analyzed: 12/14/2023						
Sulfate	9.44	10.0	mg/kg	10.0		94.3	90-110			
Matrix Spike (BGL0651-MS1)	**Source: 23L0795-04**			Prepared & Analyzed: 12/14/2023						
Sulfate	6.43	11.5	mg/kg	11.2	6.56	-1.20	90-110			*M*
Matrix Spike Dup (BGL0651-MSD1)	**Source: 23L0795-04**			Prepared & Analyzed: 12/14/2023						
Sulfate	6.41	11.5	mg/kg	11.2	6.56	-1.40	90-110	0.350	15	*M*

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0705 - No Prep IC										
Blank (BGL0705-BLK1)				Prepared & Analyzed: 12/15/2023						
Sulfate	ND	10.0	mg/kg							
LCS (BGL0705-BS1)				Prepared & Analyzed: 12/15/2023						
Sulfate	9.79	10.0	mg/kg	10.0		97.8	90-110			
LCS Dup (BGL0705-BSD1)				Prepared & Analyzed: 12/15/2023						
Sulfate	10.9	10.0	mg/kg	10.0		109	90-110	10.5	15	
Matrix Spike (BGL0705-MS1)	**Source: 23L0912-01**			Prepared & Analyzed: 12/15/2023						
Sulfate	22.9	12.2	mg/kg	11.6	22.4	4.40	90-110			*M*
Matrix Spike (BGL0705-MS2)	**Source: 23L0912-12**			Prepared & Analyzed: 12/15/2023						
Sulfate	10.5	11.3	mg/kg	10.6	4.84	53.5	90-110			*M*
Matrix Spike Dup (BGL0705-MSD1)	**Source: 23L0912-01**			Prepared & Analyzed: 12/15/2023						
Sulfate	22.3	12.2	mg/kg	11.6	22.4	-1.20	90-110	2.87	15	*M*
Matrix Spike Dup (BGL0705-MSD2)	**Source: 23L0912-12**			Prepared & Analyzed: 12/15/2023						
Sulfate	9.52	11.3	mg/kg	10.6	4.84	44.1	90-110	10.1	15	*M*
Batch BGL0886 - No Prep IC										
Blank (BGL0886-BLK1)				Prepared & Analyzed: 12/20/2023						
Sulfate	ND	10.0	mg/kg							
LCS (BGL0886-BS1)				Prepared: 12/20/2023 Analyzed: 12/22/2023						
Sulfate	10.9	10.0	mg/kg	10.0		109	90-110			

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0886 - No Prep IC										
Matrix Spike (BGL0886-MS1)		**Source: 23L1137-01**		Prepared & Analyzed: 12/20/2023						
Sulfate	24.6	12.5	mg/kg	12.2	7.86	137	90-110			*M*
Matrix Spike (BGL0886-MS2)		**Source: 23L1137-12**		Prepared & Analyzed: 12/20/2023						
Sulfate	18.5	12.3	mg/kg	11.5	6.23	106	90-110			
Matrix Spike Dup (BGL0886-MSD1)		**Source: 23L1137-01**		Prepared & Analyzed: 12/20/2023						
Sulfate	20.3	12.5	mg/kg	12.2	7.86	102	90-110	19.2	15	*P*
Matrix Spike Dup (BGL0886-MSD2)		**Source: 23L1137-12**		Prepared & Analyzed: 12/20/2023						
Sulfate	20.9	12.3	mg/kg	11.5	6.23	127	90-110	12.5	15	*M*
Batch BGL0996 - No Prep IC										
Blank (BGL0996-BLK1)				Prepared & Analyzed: 12/21/2023						
Sulfate	ND	10.0	mg/kg							
LCS (BGL0996-BS1)				Prepared & Analyzed: 12/21/2023						
Sulfate	10.6	10.0	mg/kg	10.0		106	90-110			
LCS Dup (BGL0996-BSD1)				Prepared & Analyzed: 12/21/2023						
Sulfate	10.5	10.0	mg/kg	10.0		105	90-110	0.759	15	
Matrix Spike (BGL0996-MS1)		**Source: 23L1228-01**		Prepared & Analyzed: 12/21/2023						
Sulfate	20.3	12.6	mg/kg	11.9	13.3	58.3	90-110			*M*
Matrix Spike (BGL0996-MS2)		**Source: 23L1228-02**		Prepared & Analyzed: 12/21/2023						
Sulfate	124	12.9	mg/kg	12.2	117	52.4	90-110			*M*

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0996 - No Prep IC										
Matrix Spike Dup (BGL0996-MSD1)	**Source: 23L1228-01**			Prepared & Analyzed: 12/21/2023						
Sulfate	22.3	12.6	mg/kg	11.9	13.3	74.8	90-110	9.29	15	*M*
Matrix Spike Dup (BGL0996-MSD2)	**Source: 23L1228-02**			Prepared & Analyzed: 12/21/2023						
Sulfate	122	12.9	mg/kg	12.2	117	35.8	90-110	1.66	15	*M*
Batch BGL0997 - No Prep IC										
Blank (BGL0997-BLK1)				Prepared: 12/22/2023 Analyzed: 12/23/2023						
Sulfate	ND	10.0	mg/kg							
LCS (BGL0997-BS1)				Prepared: 12/22/2023 Analyzed: 12/23/2023						
Sulfate	10.9	10.0	mg/kg	10.0		109	90-110			
LCS Dup (BGL0997-BSD1)				Prepared: 12/22/2023 Analyzed: 12/23/2023						
Sulfate	10.4	10.0	mg/kg	10.0		103	90-110	5.35	15	
Matrix Spike (BGL0997-MS1)	**Source: 23L1295-08**			Prepared & Analyzed: 12/22/2023						
Sulfate	46.7	12.3	mg/kg	11.7	38.9	66.5	90-110			*M*
Matrix Spike Dup (BGL0997-MSD1)	**Source: 23L1295-08**			Prepared & Analyzed: 12/22/2023						
Sulfate	47.3	12.3	mg/kg	11.7	38.9	71.5	90-110	1.24	15	*M*

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0485 - No Prep IC										
Blank (BGL0485-BLK1)				Prepared & Analyzed: 12/12/2023						
Nitrate as N	ND	2.00	mg/kg							
LCS (BGL0485-BS1)				Prepared & Analyzed: 12/12/2023						
Nitrate as N	4.71	2	mg/kg	5.00		94.1	90-110			
LCS Dup (BGL0485-BSD1)				Prepared & Analyzed: 12/12/2023						
Nitrate as N	4.77	2	mg/kg	5.00		95.3	90-110	1.25	15	
Matrix Spike (BGL0485-MS1)	**Source: 23L0606-07**			Prepared & Analyzed: 12/13/2023						
Nitrate as N	57.4	2.42	mg/kg	57.3	BLOD	100	90-110			
Matrix Spike (BGL0485-MS2)	**Source: 23L0606-08**			Prepared & Analyzed: 12/13/2023						
Nitrate as N	59.3	2.48	mg/kg	59.4	BLOD	99.7	90-110			
Matrix Spike Dup (BGL0485-MSD1)	**Source: 23L0606-07**			Prepared & Analyzed: 12/13/2023						
Nitrate as N	57.0	2.42	mg/kg	57.3	BLOD	99.4	90-110	0.702	15	
Matrix Spike Dup (BGL0485-MSD2)	**Source: 23L0606-08**			Prepared & Analyzed: 12/13/2023						
Nitrate as N	59.4	2.48	mg/kg	59.4	BLOD	99.9	90-110	0.200	15	
Batch BGL0557 - No Prep IC										
Blank (BGL0557-BLK1)				Prepared & Analyzed: 12/13/2023						
Nitrate as N	ND	2.00	mg/kg							
LCS (BGL0557-BS1)				Prepared & Analyzed: 12/13/2023						
Nitrate as N	4.91	2	mg/kg	5.00		98.2	90-110			

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0557 - No Prep IC										
LCS Dup (BGL0557-BSD1)				Prepared & Analyzed: 12/13/2023						
Nitrate as N	4.92	2	mg/kg	5.00		98.4	90-110	0.203	15	
Matrix Spike (BGL0557-MS1)	**Source: 23L0675-01**			Prepared & Analyzed: 12/13/2023						
Nitrate as N	62.4	2.51	mg/kg	57.8	3.02	103	90-110			
Matrix Spike (BGL0557-MS2)	**Source: 23L0675-02**			Prepared & Analyzed: 12/14/2023						
Nitrate as N	65.3	2.49	mg/kg	61.7	1.39	104	90-110			
Matrix Spike Dup (BGL0557-MSD1)	**Source: 23L0675-01**			Prepared & Analyzed: 12/14/2023						
Nitrate as N	61.5	2.51	mg/kg	57.8	3.02	101	90-110	1.54	15	
Matrix Spike Dup (BGL0557-MSD2)	**Source: 23L0675-02**			Prepared & Analyzed: 12/14/2023						
Nitrate as N	64.5	2.49	mg/kg	61.7	1.39	102	90-110	1.21	15	
Batch BGL0587 - No Prep Wet Chem										
Blank (BGL0587-BLK1)				Prepared & Analyzed: 12/14/2023						
Percent Solids	100	0.10	%							
Duplicate (BGL0587-DUP1)	**Source: 23L0798-10**			Prepared & Analyzed: 12/14/2023						
Percent Solids	80.7	0.10	%		79.3			1.71	20	
Batch BGL0620 - No Prep Wet Chem										
Blank (BGL0620-BLK1)				Prepared & Analyzed: 12/14/2023						
Chromium, Hexavalent	ND	0.005	mg/kg							

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Batch BGL0620 - No Prep Wet Chem										
LCS (BGL0620-BS1)				Prepared & Analyzed: 12/14/2023						
Chromium, Hexavalent	52.7	0.005	mg/kg	50.0		105	80-120			
Matrix Spike (BGL0620-MS1)	**Source: 23L0566-01**			Prepared & Analyzed: 12/15/2023						
Chromium, Hexavalent	2.25	0.25	mg/kg	2.47	1.15	44.7	80-120			*M*
Matrix Spike Dup (BGL0620-MSD1)	**Source: 23L0566-01**			Prepared & Analyzed: 12/15/2023						
Chromium, Hexavalent	2.21	0.25	mg/kg	2.47	1.15	43.1	80-120	1.66	20	*M*
Batch BGL0651 - No Prep IC										
Blank (BGL0651-BLK1)				Prepared & Analyzed: 12/14/2023						
Nitrate as N	ND	2.00	mg/kg							
LCS (BGL0651-BS1)				Prepared & Analyzed: 12/14/2023						
Nitrate as N	9.65	2.00	mg/kg	10.0		96.4	90-110			
Matrix Spike (BGL0651-MS1)	**Source: 23L0795-04**			Prepared & Analyzed: 12/14/2023						
Nitrate as N	1.55	2.31	mg/kg	11.2	1.58	-0.300	90-110			*M*
Matrix Spike Dup (BGL0651-MSD1)	**Source: 23L0795-04**			Prepared & Analyzed: 12/14/2023						
Nitrate as N	1.54	2.31	mg/kg	11.2	1.58	-0.400	90-110	0.727	15	*M*
Batch BGL0671 - No Prep Wet Chem										
Blank (BGL0671-BLK1)				Prepared & Analyzed: 12/15/2023						
Percent Solids	100	0.10	%							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0671 - No Prep Wet Chem										
Duplicate (BGL0671-DUP1)		**Source: 23L0828-01**		Prepared & Analyzed: 12/15/2023						
Percent Solids	34.4	0.10	%		34.7			0.935	20	
Batch BGL0705 - No Prep IC										
Blank (BGL0705-BLK1)				Prepared & Analyzed: 12/15/2023						
Nitrate as N	ND	2.00	mg/kg							
LCS (BGL0705-BS1)				Prepared & Analyzed: 12/15/2023						
Nitrate as N	9.73	2.00	mg/kg	10.0		97.2	90-110			
LCS Dup (BGL0705-BSD1)				Prepared & Analyzed: 12/15/2023						
Nitrate as N	9.79	2.00	mg/kg	10.0		97.8	90-110	0.615	15	
Matrix Spike (BGL0705-MS1)		**Source: 23L0912-01**		Prepared & Analyzed: 12/15/2023						
Nitrate as N	11.4	2.43	mg/kg	11.6	BLOD	98.0	90-110			
Matrix Spike (BGL0705-MS2)		**Source: 23L0912-12**		Prepared & Analyzed: 12/15/2023						
Nitrate as N	10.1	2.25	mg/kg	10.6	BLOD	95.3	90-110			
Matrix Spike Dup (BGL0705-MSD1)		**Source: 23L0912-01**		Prepared & Analyzed: 12/15/2023						
Nitrate as N	11.3	2.43	mg/kg	11.6	BLOD	97.9	90-110	0.102	15	
Matrix Spike Dup (BGL0705-MSD2)		**Source: 23L0912-12**		Prepared & Analyzed: 12/15/2023						
Nitrate as N	10.1	2.25	mg/kg	10.6	BLOD	95.2	90-110	0.105	15	
Batch BGL0811 - No Prep IC-WET										
Blank (BGL0811-BLK1)				Prepared & Analyzed: 12/19/2023						
Chromium, Hexavalent	ND	0.005	mg/kg							

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Batch BGL0811 - No Prep IC-WET										
LCS (BGL0811-BS1)				Prepared & Analyzed: 12/19/2023						
Chromium, Hexavalent	47.2	0.005	mg/kg	50.0		94.4	80-120			
Matrix Spike (BGL0811-MS1)	**Source: 23L0675-04**			Prepared & Analyzed: 12/19/2023						
Chromium, Hexavalent	2.88	0.24	mg/kg	2.41	0.99	78.6	75-125			
Matrix Spike Dup (BGL0811-MSD1)	**Source: 23L0675-04**			Prepared & Analyzed: 12/19/2023						
Chromium, Hexavalent	2.82	0.24	mg/kg	2.41	0.99	75.9	75-125	2.29	20	
Batch BGL0812 - No Prep Wet Chem										
Blank (BGL0812-BLK1)				Prepared & Analyzed: 12/19/2023						
Percent Solids	100	0.10	%							
Duplicate (BGL0812-DUP1)	**Source: 23L0979-05**			Prepared & Analyzed: 12/19/2023						
Percent Solids	79.5	0.10	%		80.0			0.648	20	
Batch BGL0874 - No Prep Wet Chem										
Blank (BGL0874-BLK1)				Prepared & Analyzed: 12/20/2023						
Percent Solids	97.7	0.10	%							
Duplicate (BGL0874-DUP1)	**Source: 23L0675-12**			Prepared & Analyzed: 12/20/2023						
Percent Solids	81.3	0.10	%		82.8			1.88	20	
Batch BGL0886 - No Prep IC										
Blank (BGL0886-BLK1)				Prepared & Analyzed: 12/20/2023						
Nitrate as N	ND	2.00	mg/kg							

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Batch BGL0886 - No Prep IC										
LCS (BGL0886-BS1)				Prepared: 12/20/2023 Analyzed: 12/22/2023						
Nitrate as N	10.9	2.00	mg/kg	10.0		109	90-110			
Matrix Spike (BGL0886-MS1)		**Source: 23L1137-01**		Prepared & Analyzed: 12/20/2023						
Nitrate as N	15.4	2.50	mg/kg	12.2	3.19	99.7	90-110			
Matrix Spike (BGL0886-MS2)		**Source: 23L1137-12**		Prepared & Analyzed: 12/20/2023						
Nitrate as N	15.9	2.45	mg/kg	11.5	1.75	122	90-110			*M*
Matrix Spike Dup (BGL0886-MSD1)		**Source: 23L1137-01**		Prepared & Analyzed: 12/20/2023						
Nitrate as N	15.0	2.50	mg/kg	12.2	3.19	96.5	90-110	2.57	15	
Matrix Spike Dup (BGL0886-MSD2)		**Source: 23L1137-12**		Prepared & Analyzed: 12/20/2023						
Nitrate as N	16.2	2.45	mg/kg	11.5	1.75	125	90-110	2.19	15	*M*
Batch BGL0927 - No Prep Wet Chem										
Blank (BGL0927-BLK1)				Prepared & Analyzed: 12/21/2023						
Percent Solids	100	0.10	%							
Duplicate (BGL0927-DUP1)		**Source: 23L0912-06**		Prepared & Analyzed: 12/21/2023						
Percent Solids	87.3	0.10	%		87.3			0.0113	20	
Batch BGL0960 - No Prep Wet Chem										
Blank (BGL0960-BLK1)				Prepared & Analyzed: 12/22/2023						
Percent Solids	100	0.10	%							

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Batch BGL0960 - No Prep Wet Chem										
Duplicate (BGL0960-DUP1)		**Source: 23L1137-10**		Prepared & Analyzed: 12/22/2023						
Percent Solids	85.2	0.10	%		85.6			0.515	20	
Batch BGL0984 - No Prep Wet Chem										
Blank (BGL0984-BLK1)				Prepared & Analyzed: 12/22/2023						
Ammonia as N	ND	0.1	mg/kg							
LCS (BGL0984-BS1)				Prepared & Analyzed: 12/22/2023						
Ammonia as N	1.0	0.1	mg/kg	1.00		102	80-120			
Matrix Spike (BGL0984-MS1)		**Source: 23L0566-01**		Prepared & Analyzed: 12/22/2023						
Ammonia as N	128	12.2	mg/kg	122	BLOD	106	75-125			
Matrix Spike Dup (BGL0984-MSD1)		**Source: 23L0566-01**		Prepared & Analyzed: 12/22/2023						
Ammonia as N	129	12.3	mg/kg	123	BLOD	105	75-125	0.694	20	
Batch BGL0987 - No Prep Wet Chem										
Blank (BGL0987-BLK1)				Prepared & Analyzed: 12/22/2023						
Percent Solids	100	0.10	%							
Duplicate (BGL0987-DUP1)		**Source: 23L1327-01**		Prepared & Analyzed: 12/22/2023						
Percent Solids	84.0	0.10	%		83.0			1.17	20	
Batch BGL0992 - No Prep IC-WET										
Blank (BGL0992-BLK1)				Prepared & Analyzed: 12/22/2023						
Chromium, Hexavalent	ND	0.005	mg/kg							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0992 - No Prep IC-WET										
LCS (BGL0992-BS1)				Prepared & Analyzed: 12/22/2023						
Chromium, Hexavalent	47.8	0.005	mg/kg	50.0		95.6	80-120			
Matrix Spike (BGL0992-MS1)	**Source: 23L0675-11**			Prepared & Analyzed: 12/22/2023						
Chromium, Hexavalent	2.52	0.23	mg/kg	2.31	0.32	95.4	75-125			
Matrix Spike Dup (BGL0992-MSD1)	**Source: 23L0675-11**			Prepared & Analyzed: 12/22/2023						
Chromium, Hexavalent	2.59	0.23	mg/kg	2.30	0.32	98.6	75-125	2.72	20	
Batch BGL0996 - No Prep IC										
Blank (BGL0996-BLK1)				Prepared & Analyzed: 12/21/2023						
Nitrate as N	ND	2.00	mg/kg							
LCS (BGL0996-BS1)				Prepared & Analyzed: 12/21/2023						
Nitrate as N	11.0	2.00	mg/kg	10.0		109	90-110			
LCS Dup (BGL0996-BSD1)				Prepared & Analyzed: 12/21/2023						
Nitrate as N	11.0	2.00	mg/kg	10.0		109	90-110	0.0913	15	
Matrix Spike (BGL0996-MS1)	**Source: 23L1228-01**			Prepared & Analyzed: 12/21/2023						
Nitrate as N	10.4	2.52	mg/kg	11.9	BLOD	87.4	90-110			*M*
Matrix Spike (BGL0996-MS2)	**Source: 23L1228-02**			Prepared & Analyzed: 12/21/2023						
Nitrate as N	12.0	2.59	mg/kg	12.2	BLOD	98.2	90-110			
Matrix Spike Dup (BGL0996-MSD1)	**Source: 23L1228-01**			Prepared & Analyzed: 12/21/2023						
Nitrate as N	10.9	2.52	mg/kg	11.9	BLOD	91.6	90-110	4.69	15	

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL0996 - No Prep IC										
Matrix Spike Dup (BGL0996-MSD2)	**Source: 23L1228-02**			Prepared & Analyzed: 12/21/2023						
Nitrate as N	11.9	2.59	mg/kg	12.2	BLOD	97.5	90-110	0.715	15	
Batch BGL0997 - No Prep IC										
Blank (BGL0997-BLK1)				Prepared: 12/22/2023 Analyzed: 12/23/2023						
Nitrate as N	ND	2.00	mg/kg							
LCS (BGL0997-BS1)				Prepared: 12/22/2023 Analyzed: 12/23/2023						
Nitrate as N	11.0	2.00	mg/kg	10.0		110	90-110			
LCS Dup (BGL0997-BSD1)				Prepared: 12/22/2023 Analyzed: 12/23/2023						
Nitrate as N	10.8	2.00	mg/kg	10.0		108	90-110	1.84	15	
Matrix Spike (BGL0997-MS1)	**Source: 23L1295-08**			Prepared & Analyzed: 12/22/2023						
Nitrate as N	10.5	2.47	mg/kg	11.7	BLOD	89.7	90-110			*M*
Matrix Spike Dup (BGL0997-MSD1)	**Source: 23L1295-08**			Prepared & Analyzed: 12/22/2023						
Nitrate as N	10.4	2.47	mg/kg	11.7	BLOD	88.6	90-110	1.23	15	*M*
Batch BGL1039 - No Prep Wet Chem										
Blank (BGL1039-BLK1)				Prepared & Analyzed: 12/26/2023						
Percent Solids	100	0.10	%							
Duplicate (BGL1039-DUP1)	**Source: 23L1295-03**			Prepared & Analyzed: 12/26/2023						
Percent Solids	82.1	0.10	%		82.0			0.0823	20	

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL1082 - No Prep Wet Chem										
Blank (BGL1082-BLK1)				Prepared & Analyzed: 12/27/2023						
Ammonia as N	ND	0.1	mg/kg							
LCS (BGL1082-BS1)				Prepared & Analyzed: 12/27/2023						
Ammonia as N	1.0	0.1	mg/kg	1.00		105	80-120			
Matrix Spike (BGL1082-MS1)	**Source: 23L0675-01**			Prepared & Analyzed: 12/27/2023						
Ammonia as N	138	12.4	mg/kg	124	BLOD	111	75-125			
Matrix Spike (BGL1082-MS2)	**Source: 23L0795-01**			Prepared & Analyzed: 12/27/2023						
Ammonia as N	131	11.6	mg/kg	116	BLOD	112	75-125			
Matrix Spike Dup (BGL1082-MSD1)	**Source: 23L0675-01**			Prepared & Analyzed: 12/27/2023						
Ammonia as N	140	12.4	mg/kg	124	BLOD	113	75-125	1.38	20	
Matrix Spike Dup (BGL1082-MSD2)	**Source: 23L0795-01**			Prepared & Analyzed: 12/27/2023						
Ammonia as N	111	10.9	mg/kg	109	BLOD	101	75-125	16.5	20	
Batch BGL1088 - No Prep IC-WET										
Blank (BGL1088-BLK1)				Prepared: 12/27/2023 Analyzed: 12/28/2023						
Chromium, Hexavalent	ND	0.005	mg/kg							
LCS (BGL1088-BS1)				Prepared: 12/27/2023 Analyzed: 12/28/2023						
Chromium, Hexavalent	48.7	0.005	mg/kg	50.0		97.4	80-120			
Matrix Spike (BGL1088-MS1)	**Source: 23L0912-06**			Prepared: 12/27/2023 Analyzed: 12/28/2023						
Chromium, Hexavalent	2.35	0.23	mg/kg	2.29	BLOD	103	75-125			

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BGL1088 - No Prep IC-WET										
Matrix Spike Dup (BGL1088-MSD1)	**Source: 23L0912-06**			Prepared: 12/27/2023 Analyzed: 12/28/2023						
Chromium, Hexavalent	2.13	0.23	mg/kg	2.28	BLOD	93.1	75-125	9.88	20	
Batch BGL1144 - No Prep Wet Chem										
Blank (BGL1144-BLK1)				Prepared & Analyzed: 12/28/2023						
Ammonia as N	ND	0.1	mg/kg							
LCS (BGL1144-BS1)				Prepared & Analyzed: 12/28/2023						
Ammonia as N	1.0	0.1	mg/kg	1.00		103	80-120			
Matrix Spike (BGL1144-MS1)	**Source: 23L0795-05**			Prepared & Analyzed: 12/28/2023						
Ammonia as N	1.0	0.1	mg/kg	1.00	0.02	93.5	75-125			
Matrix Spike (BGL1144-MS2)	**Source: 23L0912-08**			Prepared & Analyzed: 12/28/2023						
Ammonia as N	0.9	0.1	mg/kg	1.00	0.02	91.7	75-125			
Matrix Spike Dup (BGL1144-MSD1)	**Source: 23L0795-05**			Prepared & Analyzed: 12/28/2023						
Ammonia as N	1.0	0.1	mg/kg	1.00	0.02	94.4	75-125		20	
Matrix Spike Dup (BGL1144-MSD2)	**Source: 23L0912-08**			Prepared & Analyzed: 12/28/2023						
Ammonia as N	0.9	0.1	mg/kg	1.00	0.02	92.2	75-125		20	
Batch BHA0026 - No Prep Wet Chem										
Blank (BHA0026-BLK1)				Prepared & Analyzed: 01/02/2024						
Ammonia as N	ND	0.1	mg/kg							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHA0026 - No Prep Wet Chem										
LCS (BHA0026-BS1)				Prepared & Analyzed: 01/02/2024						
Ammonia as N	1.1	0.1	mg/kg	1.00		109	80-120			
Matrix Spike (BHA0026-MS1)	**Source: 23L1137-01**			Prepared & Analyzed: 01/02/2024						
Ammonia as N	147	11.7	mg/kg	117	BLOD	126	75-125			*M*
Matrix Spike (BHA0026-MS2)	**Source: 23L1228-01**			Prepared & Analyzed: 01/02/2024						
Ammonia as N	141	11.9	mg/kg	119	BLOD	118	75-125			
Matrix Spike Dup (BHA0026-MSD1)	**Source: 23L1137-01**			Prepared & Analyzed: 01/02/2024						
Ammonia as N	14.3	1.2	mg/kg	12.0	4.7	80.2	75-125	165	20	*M, P*
Matrix Spike Dup (BHA0026-MSD2)	**Source: 23L1228-01**			Prepared & Analyzed: 01/02/2024						
Ammonia as N	140	12.0	mg/kg	120	BLOD	116	75-125	0.925	20	
Batch BHA0046 - No Prep IC-WET										
Blank (BHA0046-BLK1)				Prepared & Analyzed: 01/02/2024						
Chromium, Hexavalent	ND	0.005	mg/kg							
LCS (BHA0046-BS1)				Prepared & Analyzed: 01/02/2024						
Chromium, Hexavalent	51.6	0.005	mg/kg	50.0		103	80-120			
Matrix Spike (BHA0046-MS1)	**Source: 23L1137-01**			Prepared & Analyzed: 01/02/2024						**M**
Chromium, Hexavalent	2.30	0.25	mg/kg	2.50	0.98	53.2	75-125			
Matrix Spike Dup (BHA0046-MSD1)	**Source: 23L1137-01**			Prepared & Analyzed: 01/02/2024						**M, P**
Chromium, Hexavalent	3.23	0.25	mg/kg	2.50	0.98	90.4	75-125	33.5	20	

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHA0093 - No Prep IC-WET										
Blank (BHA0093-BLK1)				Prepared & Analyzed: 01/03/2024						
Chromium, Hexavalent	ND	0.005	mg/kg							
LCS (BHA0093-BS1)				Prepared & Analyzed: 01/03/2024						
Chromium, Hexavalent	50.7	0.005	mg/kg	50.0		101	80-120			
Matrix Spike (BHA0093-MS1)	**Source: 23L1228-07**			Prepared: 01/03/2024 Analyzed: 01/04/2024						
Chromium, Hexavalent	2.86	0.24	mg/kg	2.38	0.73	89.6	75-125			
Matrix Spike Dup (BHA0093-MSD1)	**Source: 23L1228-07**			Prepared: 01/03/2024 Analyzed: 01/04/2024						
Chromium, Hexavalent	2.92	0.24	mg/kg	2.38	0.73	91.9	75-125	2.08	20	
Batch BHA0117 - No Prep IC-WET										
Blank (BHA0117-BLK1)				Prepared & Analyzed: 01/04/2024						
Chromium, Hexavalent	ND	0.005	mg/kg							
LCS (BHA0117-BS1)				Prepared & Analyzed: 01/04/2024						
Chromium, Hexavalent	48.1	0.005	mg/kg	50.0		96.2	80-120			
Matrix Spike (BHA0117-MS1)	**Source: 23L1295-09**			Prepared & Analyzed: 01/04/2024						
Chromium, Hexavalent	0.66	0.24	mg/kg	2.41	BLOD	27.2	75-125			*M*
Matrix Spike Dup (BHA0117-MSD1)	**Source: 23L1295-09**			Prepared & Analyzed: 01/04/2024						
Chromium, Hexavalent	1.96	0.24	mg/kg	2.40	BLOD	81.6	75-125	99.8	20	*M, P*
Batch BHA0177 - No Prep Wet Chem										
Blank (BHA0177-BLK1)				Prepared & Analyzed: 01/05/2024						
Ammonia as N	ND	0.1	mg/kg							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHA0177 - No Prep Wet Chem										
LCS (BHA0177-BS1)				Prepared & Analyzed: 01/05/2024						
Ammonia as N	1.0	0.1	mg/kg	1.00		104	80-120			
Matrix Spike (BHA0177-MS1)	**Source: 23L1228-09**			Prepared & Analyzed: 01/05/2024						
Ammonia as N	1.0	0.1	mg/kg	1.00	0.01	94.1	75-125			
Matrix Spike (BHA0177-MS2)	**Source: 23L1295-07**			Prepared & Analyzed: 01/05/2024						
Ammonia as N	0.9	0.1	mg/kg	1.00	0.02	89.4	75-125			
Matrix Spike Dup (BHA0177-MSD1)	**Source: 23L1228-09**			Prepared & Analyzed: 01/05/2024						
Ammonia as N	1.0	0.1	mg/kg	1.00	0.01	95.5	75-125		20	
Matrix Spike Dup (BHA0177-MSD2)	**Source: 23L1295-07**			Prepared & Analyzed: 01/05/2024						
Ammonia as N	0.9	0.1	mg/kg	1.00	0.02	92.5	75-125		20	
Batch BHA0179 - No Prep Wet Chem										
Blank (BHA0179-BLK1)				Prepared & Analyzed: 01/05/2024						
Ammonia as N	ND	0.1	mg/kg							
LCS (BHA0179-BS1)				Prepared & Analyzed: 01/05/2024						
Ammonia as N	1.0	0.1	mg/kg	1.00		105	80-120			
Matrix Spike (BHA0179-MS1)	**Source: 23L1295-16**			Prepared & Analyzed: 01/05/2024						
Ammonia as N	0.9	0.1	mg/kg	1.00	BLOD	93.1	75-125			
Matrix Spike Dup (BHA0179-MSD1)	**Source: 23L1295-16**			Prepared & Analyzed: 01/05/2024						
Ammonia as N	0.9	0.1	mg/kg	1.00	BLOD	93.3	75-125	0.215	20	

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Analytical Summary

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Ion Chromatography Analyses			**Preparation Method:**	**No Prep IC**	
23L0566-01	10.9 g / 100 mL	SW9056A	BGL0485	SGL0525	AG30181
23L0566-01	10.9 g / 100 mL	SW9056A	BGL0485	SGL0525	AG30181
23L0566-02	10.3 g / 100 mL	SW9056A	BGL0485	SGL0525	AG30181
23L0566-02	10.3 g / 100 mL	SW9056A	BGL0485	SGL0525	AG30181
23L0566-03	10.7 g / 100 mL	SW9056A	BGL0485	SGL0525	AG30181
23L0566-03	10.7 g / 100 mL	SW9056A	BGL0485	SGL0525	AG30181
23L0566-04	10.3 g / 100 mL	SW9056A	BGL0485	SGL0525	AG30181
23L0566-04	10.3 g / 100 mL	SW9056A	BGL0485	SGL0525	AG30181
23L0566-05	10.2 g / 100 mL	SW9056A	BGL0485	SGL0525	AG30181
23L0566-05	10.2 g / 100 mL	SW9056A	BGL0485	SGL0525	AG30181
23L0566-06	10.2 g / 100 mL	SW9056A	BGL0485	SGL0525	AG30181
23L0566-06	10.2 g / 100 mL	SW9056A	BGL0485	SGL0525	AG30181
23L0675-01	10.8 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
23L0675-01	10.8 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
23L0675-02	10.1 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
23L0675-02	10.1 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
23L0675-03	10.5 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
23L0675-03	10.5 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
23L0675-04	10.4 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
23L0675-04	10.4 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
23L0675-05	10.5 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
23L0675-05	10.5 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
23L0675-06	10.6 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
23L0675-06	10.6 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
23L0675-07	10.5 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
23L0675-07	10.5 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
23L0675-08	10.4 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Wet Chemistry Analysis			**Preparation Method:**	**No Prep IC**	
23L0675-08	10.4 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
23L0675-09	10.3 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
23L0675-09	10.3 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
23L0675-10	10.1 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
23L0675-10	10.1 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
23L0675-11	10.5 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
23L0675-11	10.5 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
23L0675-12	10.3 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
23L0675-12	10.3 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
23L0795-01	10.3 g / 100 mL	SW9056A	BGL0651	SGL0616	AJ30356
23L0795-01	10.3 g / 100 mL	SW9056A	BGL0651	SGL0616	AJ30356
23L0795-02	10.9 g / 100 mL	SW9056A	BGL0651	SGL0616	AJ30356
23L0795-02	10.9 g / 100 mL	SW9056A	BGL0651	SGL0616	AJ30356
23L0795-03	10.5 g / 100 mL	SW9056A	BGL0651	SGL0616	AJ30356
23L0795-03	10.5 g / 100 mL	SW9056A	BGL0651	SGL0616	AJ30356
23L0795-04	10.3 g / 100 mL	SW9056A	BGL0651	SGL0712	AG30181
23L0795-04	10.3 g / 100 mL	SW9056A	BGL0651	SGL0712	AG30181
23L0795-05	10.5 g / 100 mL	SW9056A	BGL0651	SGL0712	AG30181
23L0795-05	10.5 g / 100 mL	SW9056A	BGL0651	SGL0712	AG30181
23L0795-06	10.4 g / 100 mL	SW9056A	BGL0651	SGL0712	AG30181
23L0795-06	10.4 g / 100 mL	SW9056A	BGL0651	SGL0712	AG30181
23L0795-07	10.4 g / 100 mL	SW9056A	BGL0651	SGL0712	AG30181
23L0795-07	10.4 g / 100 mL	SW9056A	BGL0651	SGL0712	AG30181
23L0795-08	10.5 g / 100 mL	SW9056A	BGL0651	SGL0712	AG30181
23L0795-08	10.5 g / 100 mL	SW9056A	BGL0651	SGL0712	AG30181
23L0795-09	10.6 g / 100 mL	SW9056A	BGL0651	SGL0712	AG30181
23L0795-09	10.6 g / 100 mL	SW9056A	BGL0651	SGL0712	AG30181
23L0795-10	10.8 g / 100 mL	SW9056A	BGL0651	SGL0616	AJ30356
23L0795-10	10.8 g / 100 mL	SW9056A	BGL0651	SGL0616	AJ30356
23L0912-01	10.5 g / 100 mL	SW9056A	BGL0705	SGL0712	AG30181

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Client Site I.D.: Southside Park Landfill

Submitted To: Tom Raymond

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Wet Chemistry Analysis			**Preparation Method:**	**No Prep IC**	
23L0912-01	10.5 g / 100 mL	SW9056A	BGL0705	SGL0712	AG30181
23L0912-02	10.4 g / 100 mL	SW9056A	BGL0705	SGL0712	AG30181
23L0912-02	10.4 g / 100 mL	SW9056A	BGL0705	SGL0712	AG30181
23L0912-03	107000 g / 100 mL	SW9056A	BGL0705	SGL0712	AG30181
23L0912-03	107000 g / 100 mL	SW9056A	BGL0705	SGL0712	AG30181
23L0912-04	10.8 g / 100 mL	SW9056A	BGL0705	SGL0712	AG30181
23L0912-04	10.8 g / 100 mL	SW9056A	BGL0705	SGL0712	AG30181
23L0912-05	10.1 g / 100 mL	SW9056A	BGL0705	SGL0712	AG30181
23L0912-05	10.1 g / 100 mL	SW9056A	BGL0705	SGL0712	AG30181
23L0912-06	10.2 g / 100 mL	SW9056A	BGL0705	SGL0712	AG30181
23L0912-06	10.2 g / 100 mL	SW9056A	BGL0705	SGL0712	AG30181
23L0912-07	11.0 g / 100 mL	SW9056A	BGL0705	SGL0712	AG30181
23L0912-07	11.0 g / 100 mL	SW9056A	BGL0705	SGL0712	AG30181
23L0912-08	10.5 g / 100 mL	SW9056A	BGL0705	SGL0712	AG30181
23L0912-08	10.5 g / 100 mL	SW9056A	BGL0705	SGL0712	AG30181
23L0912-09	10.3 g / 100 mL	SW9056A	BGL0705	SGL0712	AG30181
23L0912-09	10.3 g / 100 mL	SW9056A	BGL0705	SGL0712	AG30181
23L0912-10	10.5 g / 100 mL	SW9056A	BGL0705	SGL0712	AG30181
23L0912-10	10.5 g / 100 mL	SW9056A	BGL0705	SGL0712	AG30181
23L0912-11	10.7 g / 100 mL	SW9056A	BGL0705	SGL0712	AG30181
23L0912-11	10.7 g / 100 mL	SW9056A	BGL0705	SGL0712	AG30181
23L0912-12	10.6 g / 100 mL	SW9056A	BGL0705	SGL0712	AG30181
23L0912-12	10.6 g / 100 mL	SW9056A	BGL0705	SGL0712	AG30181
23L1137-01	10.2 g / 100 mL	SW9056A	BGL0886	SGL0933	AL30272
23L1137-01	10.2 g / 100 mL	SW9056A	BGL0886	SGL0933	AL30272
23L1137-02	10.0 g / 100 mL	SW9056A	BGL0886	SGL0933	AL30272
23L1137-02	10.0 g / 100 mL	SW9056A	BGL0886	SGL0933	AL30272
23L1137-03	11.0 g / 100 mL	SW9056A	BGL0886	SGL0933	AL30272
23L1137-03	11.0 g / 100 mL	SW9056A	BGL0886	SGL0933	AL30272
23L1137-04	10.8 g / 100 mL	SW9056A	BGL0886	SGL0933	AL30272

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Wet Chemistry Analysis			**Preparation Method:**	**No Prep IC**	
23L1137-04	10.8 g / 100 mL	SW9056A	BGL0886	SGL0933	AL30272
23L1137-05	10.1 g / 100 mL	SW9056A	BGL0886	SGL0933	AL30272
23L1137-05	10.1 g / 100 mL	SW9056A	BGL0886	SGL0933	AL30272
23L1137-06	10.8 g / 100 mL	SW9056A	BGL0886	SGL0933	AL30272
23L1137-06	10.8 g / 100 mL	SW9056A	BGL0886	SGL0933	AL30272
23L1137-07	10.6 g / 100 mL	SW9056A	BGL0886	SGL0933	AL30272
23L1137-07	10.6 g / 100 mL	SW9056A	BGL0886	SGL0933	AL30272
23L1137-08	10.1 g / 100 mL	SW9056A	BGL0886	SGL0933	AL30272
23L1137-08	10.1 g / 100 mL	SW9056A	BGL0886	SGL0933	AL30272
23L1137-09	10.4 g / 100 mL	SW9056A	BGL0886	SGL0933	AL30272
23L1137-09	10.4 g / 100 mL	SW9056A	BGL0886	SGL0933	AL30272
23L1137-10	10.1 g / 100 mL	SW9056A	BGL0886	SGL0933	AL30272
23L1137-10	10.1 g / 100 mL	SW9056A	BGL0886	SGL0933	AL30272
23L1137-11	10.7 g / 100 mL	SW9056A	BGL0886	SGL0933	AL30272
23L1137-11	10.7 g / 100 mL	SW9056A	BGL0886	SGL0933	AL30272
23L1137-12	10.7 g / 100 mL	SW9056A	BGL0886	SGL0933	AL30272
23L1137-12	10.7 g / 100 mL	SW9056A	BGL0886	SGL0933	AL30272
23L1228-01	10.5 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1228-01	10.5 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1228-02	10.6 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1228-02	10.6 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1228-03	10.6 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1228-03	10.6 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1228-04	10.3 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1228-04	10.3 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1228-05	10.9 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1228-05	10.9 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1228-06	10.1 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1228-06	10.1 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1228-07	10.4 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181

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Wet Chemistry Analysis			**Preparation Method:**	**No Prep IC**	
23L1228-07	10.4 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1228-08	10.5 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1228-08	10.5 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1228-09	10.8 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1228-09	10.8 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1228-10	10.3 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1228-10	10.3 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1228-11	10.8 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1228-11	10.8 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1228-12	10.8 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1228-12	10.8 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1228-13	10.6 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1228-13	10.6 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1295-01	11.0 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1295-01	11.0 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1295-02	10.9 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1295-02	10.9 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1295-03	10.6 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1295-03	10.6 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1295-04	10.7 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1295-04	10.7 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1295-05	10.6 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1295-05	10.6 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1295-06	10.0 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1295-06	10.0 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1295-07	10.7 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1295-07	10.7 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
23L1295-08	10.0 g / 100 mL	SW9056A	BGL0997	SGL0952	AG30181
23L1295-08	10.0 g / 100 mL	SW9056A	BGL0997	SGL0952	AG30181
23L1295-09	10.0 g / 100 mL	SW9056A	BGL0997	SGL0952	AG30181

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Wet Chemistry Analysis			**Preparation Method:**	**No Prep IC**	
23L1295-09	10.0 g / 100 mL	SW9056A	BGL0997	SGL0952	AG30181
23L1295-10	10.0 g / 100 mL	SW9056A	BGL0997	SGL0952	AG30181
23L1295-10	10.0 g / 100 mL	SW9056A	BGL0997	SGL0952	AG30181
23L1295-11	10.0 g / 100 mL	SW9056A	BGL0997	SGL0952	AG30181
23L1295-11	10.0 g / 100 mL	SW9056A	BGL0997	SGL0952	AG30181
23L1295-12	10.0 g / 100 mL	SW9056A	BGL0997	SGL0952	AG30181
23L1295-12	10.0 g / 100 mL	SW9056A	BGL0997	SGL0952	AG30181
23L1295-13	10.0 g / 100 mL	SW9056A	BGL0997	SGL0952	AG30181
23L1295-13	10.0 g / 100 mL	SW9056A	BGL0997	SGL0952	AG30181
23L1295-14	10.0 g / 100 mL	SW9056A	BGL0997	SGL0952	AG30181
23L1295-14	10.0 g / 100 mL	SW9056A	BGL0997	SGL0952	AG30181
23L1295-15	10.0 g / 100 mL	SW9056A	BGL0997	SGL0952	AG30181
23L1295-15	10.0 g / 100 mL	SW9056A	BGL0997	SGL0952	AG30181
23L1295-16	10.0 g / 100 mL	SW9056A	BGL0997	SGL0952	AG30181
23L1295-16	10.0 g / 100 mL	SW9056A	BGL0997	SGL0952	AG30181
23L1295-17	10.0 g / 100 mL	SW9056A	BGL0997	SGL0952	AG30181
23L1295-17	10.0 g / 100 mL	SW9056A	BGL0997	SGL0952	AG30181

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Wet Chemistry Analysis			**Preparation Method:**	**No Prep IC-WET**	
23L0675-01	2.50 g / 100 mL	SW7199	BGL0811	SGL0775	AL30249
23L0675-02	2.50 g / 100 mL	SW7199	BGL0811	SGL0775	AL30249
23L0675-03	2.50 g / 100 mL	SW7199	BGL0811	SGL0775	AL30249
23L0675-04	2.51 g / 100 mL	SW7199	BGL0811	SGL0775	AL30249
23L0675-05	2.51 g / 100 mL	SW7199	BGL0811	SGL0775	AL30249
23L0675-06	2.50 g / 100 mL	SW7199	BGL0811	SGL0775	AL30249
23L0675-07	2.50 g / 100 mL	SW7199	BGL0811	SGL0775	AL30249
23L0675-08	2.51 g / 100 mL	SW7199	BGL0811	SGL0775	AL30249
23L0675-09	2.50 g / 100 mL	SW7199	BGL0811	SGL0775	AL30249

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Wet Chemistry Analysis			**Preparation Method:**	**No Prep IC-WET**	
23L0675-10	2.51 g / 100 mL	SW7199	BGL0811	SGL0775	AL30249
23L0675-11	2.50 g / 100 mL	SW7199	BGL0992	SGL0970	AL30249
23L0675-12	2.50 g / 100 mL	SW7199	BGL0992	SGL0970	AL30249
23L0795-01	2.51 g / 100 mL	SW7199	BGL0992	SGL0970	AL30249
23L0795-02	2.51 g / 100 mL	SW7199	BGL0992	SGL0970	AL30249
23L0795-03	2.50 g / 100 mL	SW7199	BGL0992	SGL0970	AL30249
23L0795-04	2.50 g / 100 mL	SW7199	BGL0992	SGL0970	AL30249
23L0795-05	2.50 g / 100 mL	SW7199	BGL0992	SGL0970	AL30249
23L0795-06	2.50 g / 100 mL	SW7199	BGL0992	SGL0970	AL30249
23L0795-07	2.50 g / 100 mL	SW7199	BGL0992	SGL0970	AL30249
23L0795-08	2.51 g / 100 mL	SW7199	BGL0992	SGL0970	AL30249
23L0795-09	2.50 g / 100 mL	SW7199	BGL0992	SGL0970	AL30249
23L0795-10	2.50 g / 100 mL	SW7199	BGL0992	SGL0970	AL30249
23L0912-01	2.51 g / 100 mL	SW7199	BGL1088	SHA0002	AL30249
23L0912-02	2.51 g / 100 mL	SW7199	BGL1088	SHA0002	AL30249
23L0912-03	2.50 g / 100 mL	SW7199	BGL1088	SHA0002	AL30249
23L0912-04	2.51 g / 100 mL	SW7199	BGL1088	SHA0002	AL30249
23L0912-05	2.50 g / 100 mL	SW7199	BGL1088	SHA0002	AL30249
23L0912-06	2.50 g / 100 mL	SW7199	BGL1088	SHA0002	AL30249
23L0912-07	2.51 g / 100 mL	SW7199	BGL1088	SHA0002	AL30249
23L0912-08	2.51 g / 100 mL	SW7199	BGL1088	SHA0002	AL30249
23L0912-09	2.50 g / 100 mL	SW7199	BGL1088	SHA0002	AL30249
23L0912-10	2.50 g / 100 mL	SW7199	BGL1088	SHA0002	AL30249
23L0912-11	2.50 g / 100 mL	SW7199	BGL1088	SHA0002	AL30249
23L0912-12	2.51 g / 100 mL	SW7199	BGL1088	SHA0002	AL30249
23L1137-01	2.50 g / 100 mL	SW7199	BHA0046	SHA0062	AL30249
23L1137-01RE1	2.50 g / 100 mL	SW7199	BHA0046	SHA0062	AL30249
23L1137-02	2.51 g / 100 mL	SW7199	BHA0046	SHA0062	AL30249
23L1137-03	2.51 g / 100 mL	SW7199	BHA0046	SHA0062	AL30249

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Wet Chemistry Analysis			**Preparation Method:**	**No Prep IC-WET**	
23L1137-04	2.51 g / 100 mL	SW7199	BHA0046	SHA0062	AL30249
23L1137-05	2.50 g / 100 mL	SW7199	BHA0046	SHA0062	AL30249
23L1137-06	2.51 g / 100 mL	SW7199	BHA0046	SHA0062	AL30249
23L1137-07	2.50 g / 100 mL	SW7199	BHA0046	SHA0062	AL30249
23L1137-08	2.51 g / 100 mL	SW7199	BHA0046	SHA0062	AL30249
23L1137-09	2.51 g / 100 mL	SW7199	BHA0046	SHA0062	AL30249
23L1137-10	2.51 g / 100 mL	SW7199	BHA0046	SHA0062	AL30249
23L1137-11	2.50 g / 100 mL	SW7199	BHA0046	SHA0062	AL30249
23L1137-12	2.50 g / 100 mL	SW7199	BHA0046	SHA0062	AL30249
23L1228-01	2.50 g / 100 mL	SW7199	BHA0093	SHA0148	AL30249
23L1228-02	2.51 g / 100 mL	SW7199	BHA0093	SHA0148	AL30249
23L1228-03	2.50 g / 100 mL	SW7199	BHA0093	SHA0148	AL30249
23L1228-04	2.50 g / 100 mL	SW7199	BHA0093	SHA0148	AL30249
23L1228-05	2.50 g / 100 mL	SW7199	BHA0093	SHA0148	AL30249
23L1228-06	2.51 g / 100 mL	SW7199	BHA0093	SHA0148	AL30249
23L1228-07	2.51 g / 100 mL	SW7199	BHA0093	SHA0148	AL30249
23L1228-08	2.50 g / 100 mL	SW7199	BHA0093	SHA0148	AL30249
23L1228-09	2.50 g / 100 mL	SW7199	BHA0093	SHA0148	AL30249
23L1228-10	2.51 g / 100 mL	SW7199	BHA0093	SHA0148	AL30249
23L1228-11	2.51 g / 100 mL	SW7199	BHA0093	SHA0148	AL30249
23L1228-12	2.50 g / 100 mL	SW7199	BHA0093	SHA0148	AL30249
23L1228-13	2.51 g / 100 mL	SW7199	BHA0093	SHA0148	AL30249
23L1295-01	2.51 g / 100 mL	SW7199	BHA0093	SHA0148	AL30249
23L1295-02	2.51 g / 100 mL	SW7199	BHA0093	SHA0148	AL30249
23L1295-03	2.50 g / 100 mL	SW7199	BHA0117	SHA0151	AL30249
23L1295-04	2.50 g / 100 mL	SW7199	BHA0117	SHA0151	AL30249
23L1295-05	2.50 g / 100 mL	SW7199	BHA0117	SHA0151	AL30249
23L1295-06	2.51 g / 100 mL	SW7199	BHA0117	SHA0151	AL30249
23L1295-07	2.50 g / 100 mL	SW7199	BHA0117	SHA0151	AL30249
23L1295-08	2.50 g / 100 mL	SW7199	BHA0117	SHA0151	AL30249

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Wet Chemistry Analysis			**Preparation Method:**	**No Prep IC-WET**	
23L1295-09	2.50 g / 100 mL	SW7199	BHA0117	SHA0151	AL30249
23L1295-09RE1	2.50 g / 100 mL	SW7199	BHA0117	SHA0151	AL30249
23L1295-10	2.51 g / 100 mL	SW7199	BHA0117	SHA0151	AL30249
23L1295-11	2.50 g / 100 mL	SW7199	BHA0117	SHA0151	AL30249
23L1295-12	2.50 g / 100 mL	SW7199	BHA0117	SHA0151	AL30249
23L1295-13	2.50 g / 100 mL	SW7199	BHA0117	SHA0151	AL30249
23L1295-14	2.50 g / 100 mL	SW7199	BHA0117	SHA0151	AL30249
23L1295-15	2.50 g / 100 mL	SW7199	BHA0117	SHA0151	AL30249
23L1295-16	2.50 g / 100 mL	SW7199	BHA0117	SHA0151	AL30249
23L1295-17	2.51 g / 100 mL	SW7199	BHA0117	SHA0151	AL30249

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Wet Chemistry Analysis			**Preparation Method:**	**No Prep Wet Chem**	
23L0675-01	10.0 g / 10.0 mL	SM2540G-2011	BGL0587	SGL0549	
23L0675-02	10.0 g / 10.0 mL	SM2540G-2011	BGL0587	SGL0549	
23L0566-01	2.50 g / 100 mL	SW7199	BGL0620	SGL0671	AL30249
23L0566-01RE1	2.50 g / 100 mL	SW7199	BGL0620	SGL0671	AL30249
23L0566-02	2.50 g / 100 mL	SW7199	BGL0620	SGL0671	AL30249
23L0566-03	2.51 g / 100 mL	SW7199	BGL0620	SGL0671	AL30249
23L0566-04	2.50 g / 100 mL	SW7199	BGL0620	SGL0671	AL30249
23L0566-05	2.50 g / 100 mL	SW7199	BGL0620	SGL0671	AL30249
23L0566-06	2.50 g / 100 mL	SW7199	BGL0620	SGL0671	AL30249
23L0566-01	10.0 g / 10.0 mL	SM2540G-2011	BGL0671	SGL0608	
23L0566-02	10.0 g / 10.0 mL	SM2540G-2011	BGL0671	SGL0608	
23L0566-03	10.0 g / 10.0 mL	SM2540G-2011	BGL0671	SGL0608	
23L0566-04	10.0 g / 10.0 mL	SM2540G-2011	BGL0671	SGL0608	
23L0566-05	10.0 g / 10.0 mL	SM2540G-2011	BGL0671	SGL0608	
23L0566-06	10.0 g / 10.0 mL	SM2540G-2011	BGL0671	SGL0608	

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Client Site I.D.: Southside Park Landfill

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Wet Chemistry Analysis			**Preparation Method:**	**No Prep Wet Chem**	
23L0675-03	10.0 g / 10.0 mL	SM2540G-2011	BGL0671	SGL0608	
23L0675-04	10.0 g / 10.0 mL	SM2540G-2011	BGL0671	SGL0608	
23L0675-05	10.0 g / 10.0 mL	SM2540G-2011	BGL0671	SGL0608	
23L0675-06	10.0 g / 10.0 mL	SM2540G-2011	BGL0812	SGL0749	
23L0675-07	10.0 g / 10.0 mL	SM2540G-2011	BGL0812	SGL0749	
23L0675-08	10.0 g / 10.0 mL	SM2540G-2011	BGL0812	SGL0749	
23L0675-09	10.0 g / 10.0 mL	SM2540G-2011	BGL0812	SGL0749	
23L0675-10	10.0 g / 10.0 mL	SM2540G-2011	BGL0812	SGL0749	
23L0675-11	10.0 g / 10.0 mL	SM2540G-2011	BGL0812	SGL0749	
23L0675-12	10.0 g / 10.0 mL	SM2540G-2011	BGL0874	SGL0806	
23L0795-01	10.0 g / 10.0 mL	SM2540G-2011	BGL0874	SGL0806	
23L0795-02	10.0 g / 10.0 mL	SM2540G-2011	BGL0874	SGL0806	
23L0795-03	10.0 g / 10.0 mL	SM2540G-2011	BGL0874	SGL0806	
23L0795-04	10.0 g / 10.0 mL	SM2540G-2011	BGL0874	SGL0806	
23L0795-05	10.0 g / 10.0 mL	SM2540G-2011	BGL0874	SGL0806	
23L0795-06	10.0 g / 10.0 mL	SM2540G-2011	BGL0874	SGL0806	
23L0795-07	10.0 g / 10.0 mL	SM2540G-2011	BGL0874	SGL0806	
23L0795-08	10.0 g / 10.0 mL	SM2540G-2011	BGL0874	SGL0806	
23L0795-09	10.0 g / 10.0 mL	SM2540G-2011	BGL0874	SGL0806	
23L0795-10	10.0 g / 10.0 mL	SM2540G-2011	BGL0874	SGL0806	
23L0912-01	10.0 g / 10.0 mL	SM2540G-2011	BGL0874	SGL0806	
23L0912-02	10.0 g / 10.0 mL	SM2540G-2011	BGL0874	SGL0806	
23L0912-03	10.0 g / 10.0 mL	SM2540G-2011	BGL0874	SGL0806	
23L0912-04	10.0 g / 10.0 mL	SM2540G-2011	BGL0927	SGL0856	
23L0912-05	10.0 g / 10.0 mL	SM2540G-2011	BGL0927	SGL0856	
23L0912-06	10.0 g / 10.0 mL	SM2540G-2011	BGL0927	SGL0856	
23L0912-07	10.0 g / 10.0 mL	SM2540G-2011	BGL0927	SGL0856	
23L0912-08	10.0 g / 10.0 mL	SM2540G-2011	BGL0927	SGL0856	
23L0912-09	10.0 g / 10.0 mL	SM2540G-2011	BGL0927	SGL0856	

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Wet Chemistry Analysis			**Preparation Method:**	**No Prep Wet Chem**	
23L0912-10	10.0 g / 10.0 mL	SM2540G-2011	BGL0927	SGL0856	
23L0912-11	10.0 g / 10.0 mL	SM2540G-2011	BGL0927	SGL0856	
23L0912-12	10.0 g / 10.0 mL	SM2540G-2011	BGL0927	SGL0856	
23L1137-11	10.0 g / 10.0 mL	SM2540G-2011	BGL0927	SGL0856	
23L1137-01	10.0 g / 10.0 mL	SM2540G-2011	BGL0960	SGL0882	
23L1137-02	10.0 g / 10.0 mL	SM2540G-2011	BGL0960	SGL0882	
23L1137-03	10.0 g / 10.0 mL	SM2540G-2011	BGL0960	SGL0882	
23L1137-04	10.0 g / 10.0 mL	SM2540G-2011	BGL0960	SGL0882	
23L1137-05	10.0 g / 10.0 mL	SM2540G-2011	BGL0960	SGL0882	
23L1137-06	10.0 g / 10.0 mL	SM2540G-2011	BGL0960	SGL0882	
23L1137-07	10.0 g / 10.0 mL	SM2540G-2011	BGL0960	SGL0882	
23L1137-08	10.0 g / 10.0 mL	SM2540G-2011	BGL0960	SGL0882	
23L1137-09	10.0 g / 10.0 mL	SM2540G-2011	BGL0960	SGL0882	
23L1137-10	10.0 g / 10.0 mL	SM2540G-2011	BGL0960	SGL0882	
23L1137-12	10.0 g / 10.0 mL	SM2540G-2011	BGL0960	SGL0882	
23L1228-01	10.0 g / 10.0 mL	SM2540G-2011	BGL0960	SGL0882	
23L1228-03	10.0 g / 10.0 mL	SM2540G-2011	BGL0960	SGL0882	
23L1228-04	10.0 g / 10.0 mL	SM2540G-2011	BGL0960	SGL0882	
23L1228-07	10.0 g / 10.0 mL	SM2540G-2011	BGL0960	SGL0882	
23L1228-08	10.0 g / 10.0 mL	SM2540G-2011	BGL0960	SGL0882	
23L1295-08	10.0 g / 10.0 mL	SM2540G-2011	BGL0960	SGL0882	
23L1295-09	10.0 g / 10.0 mL	SM2540G-2011	BGL0960	SGL0882	
23L1295-11	10.0 g / 10.0 mL	SM2540G-2011	BGL0960	SGL0882	
23L1295-17	10.0 g / 10.0 mL	SM2540G-2011	BGL0960	SGL0882	
23L0566-01	1.02 g / 100 mL	EPA350.1 R2.0	BGL0984	SGL0890	AL30291
23L0566-02	1.03 g / 100 mL	EPA350.1 R2.0	BGL0984	SGL0890	AL30291
23L0566-03	1.01 g / 100 mL	EPA350.1 R2.0	BGL0984	SGL0890	AL30291
23L0566-04	1.02 g / 100 mL	EPA350.1 R2.0	BGL0984	SGL0890	AL30291
23L0566-05	1.05 g / 100 mL	EPA350.1 R2.0	BGL0984	SGL0890	AL30291
23L0566-06	1.00 g / 100 mL	EPA350.1 R2.0	BGL0984	SGL0890	AL30291

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Wet Chemistry Analysis			**Preparation Method:**	**No Prep Wet Chem**	
23L1228-02	10.0 g / 10.0 mL	SM2540G-2011	BGL0987	SGL0894	
23L1228-05	10.0 g / 10.0 mL	SM2540G-2011	BGL0987	SGL0894	
23L1228-06	10.0 g / 10.0 mL	SM2540G-2011	BGL0987	SGL0894	
23L1228-09	10.0 g / 10.0 mL	SM2540G-2011	BGL0987	SGL0894	
23L1228-10	10.0 g / 10.0 mL	SM2540G-2011	BGL0987	SGL0894	
23L1228-11	10.0 g / 10.0 mL	SM2540G-2011	BGL0987	SGL0894	
23L1228-12	10.0 g / 10.0 mL	SM2540G-2011	BGL0987	SGL0894	
23L1228-13	10.0 g / 10.0 mL	SM2540G-2011	BGL0987	SGL0894	
23L1295-13	10.0 g / 10.0 mL	SM2540G-2011	BGL0987	SGL0894	
23L1295-16	10.0 g / 10.0 mL	SM2540G-2011	BGL0987	SGL0894	
23L1295-01	10.0 g / 10.0 mL	SM2540G-2011	BGL1039	SGL0949	
23L1295-02	10.0 g / 10.0 mL	SM2540G-2011	BGL1039	SGL0949	
23L1295-03	10.0 g / 10.0 mL	SM2540G-2011	BGL1039	SGL0949	
23L1295-04	10.0 g / 10.0 mL	SM2540G-2011	BGL1039	SGL0949	
23L1295-05	10.0 g / 10.0 mL	SM2540G-2011	BGL1039	SGL0949	
23L1295-06	10.0 g / 10.0 mL	SM2540G-2011	BGL1039	SGL0949	
23L1295-07	10.0 g / 10.0 mL	SM2540G-2011	BGL1039	SGL0949	
23L1295-10	10.0 g / 10.0 mL	SM2540G-2011	BGL1039	SGL0949	
23L1295-12	10.0 g / 10.0 mL	SM2540G-2011	BGL1039	SGL0949	
23L1295-14	10.0 g / 10.0 mL	SM2540G-2011	BGL1039	SGL0949	
23L1295-15	10.0 g / 10.0 mL	SM2540G-2011	BGL1039	SGL0949	
23L0675-01	1.01 g / 100 mL	EPA350.1 R2.0	BGL1082	SGL0995	AL30306
23L0675-02	1.03 g / 100 mL	EPA350.1 R2.0	BGL1082	SGL0995	AL30306
23L0675-03	1.03 g / 100 mL	EPA350.1 R2.0	BGL1082	SGL0995	AL30306
23L0675-04	1.08 g / 100 mL	EPA350.1 R2.0	BGL1082	SGL0995	AL30306
23L0675-05	1.02 g / 100 mL	EPA350.1 R2.0	BGL1082	SGL0995	AL30306
23L0675-06	1.06 g / 100 mL	EPA350.1 R2.0	BGL1082	SGL0995	AL30306
23L0675-07	1.05 g / 100 mL	EPA350.1 R2.0	BGL1082	SGL0995	AL30306
23L0675-08	1.04 g / 100 mL	EPA350.1 R2.0	BGL1082	SGL0995	AL30306

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Wet Chemistry Analysis			**Preparation Method:**	**No Prep Wet Chem**	
23L0675-09	1.05 g / 100 mL	EPA350.1 R2.0	BGL1082	SGL0995	AL30306
23L0675-10	1.05 g / 100 mL	EPA350.1 R2.0	BGL1082	SGL0995	AL30306
23L0675-11	1.05 g / 100 mL	EPA350.1 R2.0	BGL1082	SGL0995	AL30306
23L0675-12	1.04 g / 100 mL	EPA350.1 R2.0	BGL1082	SGL0995	AL30306
23L0795-01	1.01 g / 100 mL	EPA350.1 R2.0	BGL1082	SGL0995	AL30306
23L0795-02	1.03 g / 100 mL	EPA350.1 R2.0	BGL1082	SGL0995	AL30306
23L0795-03	1.06 g / 100 mL	EPA350.1 R2.0	BGL1082	SGL0995	AL30306
23L0795-04	1.05 g / 100 mL	EPA350.1 R2.0	BGL1082	SGL0995	AL30306
23L0795-08	1.01 g / 100 mL	EPA350.1 R2.0	BGL1082	SGL0995	AL30306
23L0795-09	1.02 g / 100 mL	EPA350.1 R2.0	BGL1082	SGL0995	AL30306
23L0795-10	1.02 g / 100 mL	EPA350.1 R2.0	BGL1082	SGL0995	AL30306
23L0795-05	1.02 g / 100 mL	EPA350.1 R2.0	BGL1144	SGL1055	AL30315
23L0795-06	1.01 g / 100 mL	EPA350.1 R2.0	BGL1144	SGL1055	AL30315
23L0795-07	1.00 g / 100 mL	EPA350.1 R2.0	BGL1144	SGL1055	AL30315
23L0912-01	1.04 g / 100 mL	EPA350.1 R2.0	BGL1144	SGL1055	AL30315
23L0912-02	1.03 g / 100 mL	EPA350.1 R2.0	BGL1144	SGL1055	AL30315
23L0912-03	1.02 g / 100 mL	EPA350.1 R2.0	BGL1144	SGL1055	AL30315
23L0912-04	1.03 g / 100 mL	EPA350.1 R2.0	BGL1144	SGL1055	AL30315
23L0912-05	1.07 g / 100 mL	EPA350.1 R2.0	BGL1144	SGL1055	AL30315
23L0912-06	1.01 g / 100 mL	EPA350.1 R2.0	BGL1144	SGL1055	AL30315
23L0912-07	1.07 g / 100 mL	EPA350.1 R2.0	BGL1144	SGL1055	AL30315
23L0912-08	1.04 g / 100 mL	EPA350.1 R2.0	BGL1144	SGL1055	AL30315
23L0912-09	1.03 g / 100 mL	EPA350.1 R2.0	BGL1144	SGL1055	AL30315
23L0912-10	1.01 g / 100 mL	EPA350.1 R2.0	BGL1144	SGL1055	AL30315
23L0912-11	1.02 g / 100 mL	EPA350.1 R2.0	BGL1144	SGL1055	AL30315
23L0912-12	1.00 g / 100 mL	EPA350.1 R2.0	BGL1144	SGL1055	AL30315
23L1137-01	1.07 g / 100 mL	EPA350.1 R2.0	BHA0026	SHA0026	AG30242
23L1137-02	1.01 g / 100 mL	EPA350.1 R2.0	BHA0026	SHA0026	AG30242
23L1137-03	1.00 g / 100 mL	EPA350.1 R2.0	BHA0026	SHA0026	AG30242
23L1137-04	1.06 g / 100 mL	EPA350.1 R2.0	BHA0026	SHA0026	AG30242

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Wet Chemistry Analysis			**Preparation Method:**	**No Prep Wet Chem**	
23L1137-05	1.02 g / 100 mL	EPA350.1 R2.0	BHA0026	SHA0026	AG30242
23L1137-06	1.08 g / 100 mL	EPA350.1 R2.0	BHA0026	SHA0026	AG30242
23L1137-07	1.03 g / 100 mL	EPA350.1 R2.0	BHA0026	SHA0026	AG30242
23L1137-08	1.01 g / 100 mL	EPA350.1 R2.0	BHA0026	SHA0026	AG30242
23L1137-09	1.04 g / 100 mL	EPA350.1 R2.0	BHA0026	SHA0026	AG30242
23L1137-10	1.03 g / 100 mL	EPA350.1 R2.0	BHA0026	SHA0026	AG30242
23L1137-11	1.01 g / 100 mL	EPA350.1 R2.0	BHA0026	SHA0026	AG30242
23L1137-12	1.05 g / 100 mL	EPA350.1 R2.0	BHA0026	SHA0026	AG30242
23L1228-01	1.06 g / 100 mL	EPA350.1 R2.0	BHA0026	SHA0026	AG30242
23L1228-02	1.02 g / 100 mL	EPA350.1 R2.0	BHA0026	SHA0026	AG30242
23L1228-03	1.02 g / 100 mL	EPA350.1 R2.0	BHA0026	SHA0026	AG30242
23L1228-04	1.08 g / 100 mL	EPA350.1 R2.0	BHA0026	SHA0026	AG30242
23L1228-05	1.02 g / 100 mL	EPA350.1 R2.0	BHA0026	SHA0026	AG30242
23L1228-06	1.00 g / 100 mL	EPA350.1 R2.0	BHA0026	SHA0026	AG30242
23L1228-07	1.01 g / 100 mL	EPA350.1 R2.0	BHA0026	SHA0026	AG30242
23L1228-08	1.03 g / 100 mL	EPA350.1 R2.0	BHA0026	SHA0026	AG30242
23L1228-09	1.02 g / 100 mL	EPA350.1 R2.0	BHA0177	SHA0189	AA40178
23L1228-10	1.02 g / 100 mL	EPA350.1 R2.0	BHA0177	SHA0189	AA40178
23L1228-11	1.08 g / 100 mL	EPA350.1 R2.0	BHA0177	SHA0189	AA40178
23L1228-12	1.06 g / 100 mL	EPA350.1 R2.0	BHA0177	SHA0189	AA40178
23L1228-13	1.03 g / 100 mL	EPA350.1 R2.0	BHA0177	SHA0189	AA40178
23L1295-01	1.01 g / 100 mL	EPA350.1 R2.0	BHA0177	SHA0189	AA40178
23L1295-02	1.03 g / 100 mL	EPA350.1 R2.0	BHA0177	SHA0189	AA40178
23L1295-03	1.01 g / 100 mL	EPA350.1 R2.0	BHA0177	SHA0189	AA40178
23L1295-04	1.02 g / 100 mL	EPA350.1 R2.0	BHA0177	SHA0189	AA40178
23L1295-05	1.01 g / 100 mL	EPA350.1 R2.0	BHA0177	SHA0189	AA40178
23L1295-06	1.01 g / 100 mL	EPA350.1 R2.0	BHA0177	SHA0189	AA40178
23L1295-07	1.07 g / 100 mL	EPA350.1 R2.0	BHA0177	SHA0189	AA40178
23L1295-08	1.07 g / 100 mL	EPA350.1 R2.0	BHA0177	SHA0189	AA40178
23L1295-09	1.01 g / 100 mL	EPA350.1 R2.0	BHA0177	SHA0189	AA40178

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Wet Chemistry Analysis			**Preparation Method:**	**No Prep Wet Chem**	
23L1295-10	1.04 g / 100 mL	EPA350.1 R2.0	BHA0177	SHA0189	AA40178
23L1295-11	1.04 g / 100 mL	EPA350.1 R2.0	BHA0177	SHA0189	AA40178
23L1295-12	1.04 g / 100 mL	EPA350.1 R2.0	BHA0177	SHA0189	AA40178
23L1295-13	1.00 g / 100 mL	EPA350.1 R2.0	BHA0177	SHA0189	AA40178
23L1295-14	1.02 g / 100 mL	EPA350.1 R2.0	BHA0177	SHA0189	AA40178
23L1295-15	1.06 g / 100 mL	EPA350.1 R2.0	BHA0177	SHA0189	AA40178
23L1295-16	1.02 g / 6.00 mL	EPA350.1 R2.0	BHA0179	SHA0189	AA40178
23L1295-17	1.03 g / 6.00 mL	EPA350.1 R2.0	BHA0179	SHA0189	AA40178

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Metals (Total) by EPA 6000/7000 Series Methods			**Preparation Method:**	**SW3050B-ICPMS**	
23L0566-01	1.05 g / 50.0 mL	SW6020B	BGL0431	SGL0607	AL30242
23L0566-01RE1	1.05 g / 50.0 mL	SW6020B	BGL0431	SGL0607	AL30242
23L0566-02	1.05 g / 50.0 mL	SW6020B	BGL0431	SGL0607	AL30242
23L0566-02RE1	1.05 g / 50.0 mL	SW6020B	BGL0431	SGL0607	AL30242
23L0566-03	1.07 g / 50.0 mL	SW6020B	BGL0431	SGL0607	AL30242
23L0566-03RE1	1.07 g / 50.0 mL	SW6020B	BGL0431	SGL0607	AL30242
23L0566-04	1.06 g / 50.0 mL	SW6020B	BGL0431	SGL0607	AL30242
23L0566-04RE1	1.06 g / 50.0 mL	SW6020B	BGL0431	SGL0607	AL30242
23L0566-05	1.05 g / 50.0 mL	SW6020B	BGL0431	SGL0607	AL30242
23L0566-05RE1	1.05 g / 50.0 mL	SW6020B	BGL0431	SGL0607	AL30242
23L0566-06	1.04 g / 50.0 mL	SW6020B	BGL0431	SGL0607	AL30242
23L0566-06RE1	1.04 g / 50.0 mL	SW6020B	BGL0431	SGL0607	AL30242
23L0675-01	1.02 g / 50.0 mL	SW6020B	BGL0574	SGL0607	AL30242
23L0675-01RE1	1.02 g / 50.0 mL	SW6020B	BGL0574	SGL0607	AL30242
23L0675-02	1.09 g / 50.0 mL	SW6020B	BGL0574	SGL0607	AL30242
23L0675-02RE1	1.09 g / 50.0 mL	SW6020B	BGL0574	SGL0607	AL30242
23L0675-03	1.03 g / 50.0 mL	SW6020B	BGL0574	SGL0607	AL30242

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Metals (Total) by EPA 6000/7000 Series Methods			**Preparation Method:**	**SW3050B-ICPMS**	
23L0675-03RE1	1.03 g / 50.0 mL	SW6020B	BGL0574	SGL0607	AL30242
23L0675-04	1.06 g / 50.0 mL	SW6020B	BGL0574	SGL0607	AL30242
23L0675-04RE1	1.06 g / 50.0 mL	SW6020B	BGL0574	SGL0607	AL30242
23L0675-05	1.05 g / 50.0 mL	SW6020B	BGL0574	SGL0607	AL30242
23L0675-05RE1	1.05 g / 50.0 mL	SW6020B	BGL0574	SGL0607	AL30242
23L0675-06	1.05 g / 50.0 mL	SW6020B	BGL0574	SGL0607	AL30242
23L0675-06RE1	1.05 g / 50.0 mL	SW6020B	BGL0574	SGL0607	AL30242
23L0675-07	1.01 g / 50.0 mL	SW6020B	BGL0574	SGL0607	AL30242
23L0675-07RE1	1.01 g / 50.0 mL	SW6020B	BGL0574	SGL0607	AL30242
23L0675-08	1.03 g / 50.0 mL	SW6020B	BGL0574	SGL0607	AL30242
23L0675-08RE1	1.03 g / 50.0 mL	SW6020B	BGL0574	SGL0607	AL30242
23L0675-09	1.03 g / 50.0 mL	SW6020B	BGL0574	SGL0607	AL30242
23L0675-09RE1	1.03 g / 50.0 mL	SW6020B	BGL0574	SGL0607	AL30242
23L0675-10	1.04 g / 50.0 mL	SW6020B	BGL0574	SGL0607	AL30242
23L0675-10RE1	1.04 g / 50.0 mL	SW6020B	BGL0574	SGL0607	AL30242
23L0675-11	1.00 g / 50.0 mL	SW6020B	BGL0574	SGL0607	AL30242
23L0675-11RE1	1.00 g / 50.0 mL	SW6020B	BGL0574	SGL0607	AL30242
23L0675-12	1.00 g / 50.0 mL	SW6020B	BGL0574	SGL0607	AL30242
23L0675-12RE1	1.00 g / 50.0 mL	SW6020B	BGL0574	SGL0607	AL30242
23L0795-01	1.03 g / 50.0 mL	SW6020B	BGL0583	SGL0685	AL30259
23L0795-01RE1	1.03 g / 50.0 mL	SW6020B	BGL0583	SGL0723	AL30264
23L0795-02	1.03 g / 50.0 mL	SW6020B	BGL0583	SGL0685	AL30259
23L0795-02RE1	1.03 g / 50.0 mL	SW6020B	BGL0583	SGL0723	AL30264
23L0795-03	1.03 g / 50.0 mL	SW6020B	BGL0583	SGL0685	AL30259
23L0795-03RE1	1.03 g / 50.0 mL	SW6020B	BGL0583	SGL0723	AL30264
23L0795-04	1.02 g / 50.0 mL	SW6020B	BGL0583	SGL0685	AL30259
23L0795-04RE1	1.02 g / 50.0 mL	SW6020B	BGL0583	SGL0723	AL30264
23L0795-05	1.08 g / 50.0 mL	SW6020B	BGL0583	SGL0685	AL30259
23L0795-05RE1	1.08 g / 50.0 mL	SW6020B	BGL0583	SGL0723	AL30264
23L0795-06	1.01 g / 50.0 mL	SW6020B	BGL0583	SGL0685	AL30259

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Metals (Total) by EPA 6000/7000 Series Methods			**Preparation Method:**	**SW3050B-ICPMS**	
23L0795-06RE1	1.01 g / 50.0 mL	SW6020B	BGL0583	SGL0723	AL30264
23L0795-07	1.04 g / 50.0 mL	SW6020B	BGL0583	SGL0685	AL30259
23L0795-07RE1	1.04 g / 50.0 mL	SW6020B	BGL0583	SGL0723	AL30264
23L0795-08	1.09 g / 50.0 mL	SW6020B	BGL0583	SGL0685	AL30259
23L0795-08RE1	1.09 g / 50.0 mL	SW6020B	BGL0583	SGL0723	AL30264
23L0795-09	1.05 g / 50.0 mL	SW6020B	BGL0583	SGL0685	AL30259
23L0795-09RE1	1.05 g / 50.0 mL	SW6020B	BGL0583	SGL0723	AL30264
23L0795-10	1.06 g / 50.0 mL	SW6020B	BGL0583	SGL0685	AL30259
23L0795-10RE1	1.06 g / 50.0 mL	SW6020B	BGL0583	SGL0723	AL30264
23L0912-01	1.05 g / 50.0 mL	SW6020B	BGL0635	SGL0685	AL30259
23L0912-01RE1	1.05 g / 50.0 mL	SW6020B	BGL0635	SGL0685	AL30259
23L0912-02	1.03 g / 50.0 mL	SW6020B	BGL0635	SGL0685	AL30259
23L0912-02RE1	1.03 g / 50.0 mL	SW6020B	BGL0635	SGL0685	AL30259
23L0912-03	1.08 g / 50.0 mL	SW6020B	BGL0635	SGL0685	AL30259
23L0912-03RE1	1.08 g / 50.0 mL	SW6020B	BGL0635	SGL0685	AL30259
23L0912-03RE1	1.08 g / 50.0 mL	SW6020B	BGL0635	SGL0723	AL30264
23L0912-04	1.09 g / 50.0 mL	SW6020B	BGL0635	SGL0685	AL30259
23L0912-04RE1	1.09 g / 50.0 mL	SW6020B	BGL0635	SGL0685	AL30259
23L0912-05	1.03 g / 50.0 mL	SW6020B	BGL0635	SGL0685	AL30259
23L0912-05RE1	1.03 g / 50.0 mL	SW6020B	BGL0635	SGL0685	AL30259
23L0912-06	1.02 g / 50.0 mL	SW6020B	BGL0635	SGL0685	AL30259
23L0912-06RE1	1.02 g / 50.0 mL	SW6020B	BGL0635	SGL0685	AL30259
23L0912-07	1.00 g / 50.0 mL	SW6020B	BGL0635	SGL0685	AL30259
23L0912-07RE1	1.00 g / 50.0 mL	SW6020B	BGL0635	SGL0685	AL30259
23L0912-08	1.04 g / 50.0 mL	SW6020B	BGL0635	SGL0685	AL30259
23L0912-08RE1	1.04 g / 50.0 mL	SW6020B	BGL0635	SGL0685	AL30259
23L0912-09	1.07 g / 50.0 mL	SW6020B	BGL0635	SGL0685	AL30259
23L0912-09RE1	1.07 g / 50.0 mL	SW6020B	BGL0635	SGL0685	AL30259
23L0912-10	1.06 g / 50.0 mL	SW6020B	BGL0635	SGL0685	AL30259
23L0912-10RE1	1.06 g / 50.0 mL	SW6020B	BGL0635	SGL0685	AL30259

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Metals (Total) by EPA 6000/7000 Series Methods			**Preparation Method:**	**SW3050B-ICPMS**	
23L0912-11	1.08 g / 50.0 mL	SW6020B	BGL0635	SGL0685	AL30259
23L0912-11RE1	1.08 g / 50.0 mL	SW6020B	BGL0635	SGL0685	AL30259
23L0912-12	1.07 g / 50.0 mL	SW6020B	BGL0635	SGL0685	AL30259
23L0912-12RE1	1.07 g / 50.0 mL	SW6020B	BGL0635	SGL0685	AL30259
23L1137-01	1.04 g / 50.0 mL	SW6020B	BGL0833	SHA0068	AA40156
23L1137-01RE1	1.04 g / 50.0 mL	SW6020B	BGL0833	SHA0068	AA40156
23L1137-02	1.03 g / 50.0 mL	SW6020B	BGL0833	SHA0068	AA40156
23L1137-02RE1	1.03 g / 50.0 mL	SW6020B	BGL0833	SHA0068	AA40156
23L1137-03	1.07 g / 50.0 mL	SW6020B	BGL0833	SHA0068	AA40156
23L1137-03RE1	1.07 g / 50.0 mL	SW6020B	BGL0833	SHA0068	AA40156
23L1137-04	1.03 g / 50.0 mL	SW6020B	BGL0833	SHA0068	AA40156
23L1137-04RE1	1.03 g / 50.0 mL	SW6020B	BGL0833	SHA0068	AA40156
23L1137-05	1.02 g / 50.0 mL	SW6020B	BGL0833	SHA0068	AA40156
23L1137-05RE1	1.02 g / 50.0 mL	SW6020B	BGL0833	SHA0068	AA40156
23L1137-06	1.04 g / 50.0 mL	SW6020B	BGL0833	SHA0068	AA40156
23L1137-06RE1	1.04 g / 50.0 mL	SW6020B	BGL0833	SHA0068	AA40156
23L1137-07	1.02 g / 50.0 mL	SW6020B	BGL0833	SHA0068	AA40156
23L1137-07RE1	1.02 g / 50.0 mL	SW6020B	BGL0833	SHA0068	AA40156
23L1137-08	1.08 g / 50.0 mL	SW6020B	BGL0833	SHA0068	AA40156
23L1137-08RE1	1.08 g / 50.0 mL	SW6020B	BGL0833	SHA0068	AA40156
23L1137-09	1.02 g / 50.0 mL	SW6020B	BGL0833	SGL0977	AL30303
23L1137-09RE1	1.02 g / 50.0 mL	SW6020B	BGL0833	SHA0068	AA40156
23L1137-10	1.03 g / 50.0 mL	SW6020B	BGL0833	SHA0068	AA40156
23L1137-10RE1	1.03 g / 50.0 mL	SW6020B	BGL0833	SHA0068	AA40156
23L1137-11	1.06 g / 50.0 mL	SW6020B	BGL0833	SHA0068	AA40156
23L1137-11RE1	1.06 g / 50.0 mL	SW6020B	BGL0833	SHA0068	AA40156
23L1137-12	1.09 g / 50.0 mL	SW6020B	BGL0833	SHA0068	AA40156
23L1137-12RE1	1.09 g / 50.0 mL	SW6020B	BGL0833	SHA0068	AA40156
23L1228-01	1.08 g / 50.0 mL	SW6020B	BGL1049	SHA0147	AA40171
23L1228-01RE1	1.08 g / 50.0 mL	SW6020B	BGL1049	SHA0147	AA40171

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Metals (Total) by EPA 6000/7000 Series Methods			**Preparation Method:**	**SW3050B-ICPMS**	
23L1228-02	1.05 g / 50.0 mL	SW6020B	BGL1049	SHA0147	AA40171
23L1228-02RE1	1.05 g / 50.0 mL	SW6020B	BGL1049	SHA0147	AA40171
23L1228-03	1.03 g / 50.0 mL	SW6020B	BGL1049	SHA0147	AA40171
23L1228-03RE1	1.03 g / 50.0 mL	SW6020B	BGL1049	SHA0147	AA40171
23L1228-04	1.04 g / 50.0 mL	SW6020B	BGL1049	SHA0147	AA40171
23L1228-04RE1	1.04 g / 50.0 mL	SW6020B	BGL1049	SHA0147	AA40171
23L1228-05	1.02 g / 50.0 mL	SW6020B	BGL1049	SHA0147	AA40171
23L1228-05RE1	1.02 g / 50.0 mL	SW6020B	BGL1049	SHA0147	AA40171
23L1228-06	1.08 g / 50.0 mL	SW6020B	BGL1049	SHA0147	AA40171
23L1228-06RE1	1.08 g / 50.0 mL	SW6020B	BGL1049	SHA0147	AA40171
23L1228-07	1.08 g / 50.0 mL	SW6020B	BGL1049	SHA0147	AA40171
23L1228-07RE1	1.08 g / 50.0 mL	SW6020B	BGL1049	SHA0147	AA40171
23L1228-08	1.04 g / 50.0 mL	SW6020B	BGL1049	SHA0147	AA40171
23L1228-08RE1	1.04 g / 50.0 mL	SW6020B	BGL1049	SHA0147	AA40171
23L1228-09	1.07 g / 50.0 mL	SW6020B	BGL1049	SHA0147	AA40171
23L1228-09RE1	1.07 g / 50.0 mL	SW6020B	BGL1049	SHA0147	AA40171
23L1228-10	1.06 g / 50.0 mL	SW6020B	BGL1049	SHA0147	AA40171
23L1228-10RE1	1.06 g / 50.0 mL	SW6020B	BGL1049	SHA0147	AA40171
23L1228-11	1.02 g / 50.0 mL	SW6020B	BGL1049	SHA0147	AA40171
23L1228-11RE1	1.02 g / 50.0 mL	SW6020B	BGL1049	SHA0147	AA40171
23L1228-12	1.08 g / 50.0 mL	SW6020B	BGL1049	SHA0147	AA40171
23L1228-12RE1	1.08 g / 50.0 mL	SW6020B	BGL1049	SHA0147	AA40171
23L1228-13	1.05 g / 50.0 mL	SW6020B	BGL1049	SHA0147	AA40171
23L1228-13RE1	1.05 g / 50.0 mL	SW6020B	BGL1049	SHA0147	AA40171
23L1295-01	1.01 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
23L1295-01RE1	1.01 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
23L1295-02	1.03 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
23L1295-02RE1	1.03 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
23L1295-03	1.07 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
23L1295-03RE1	1.07 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175

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Metals (Total) by EPA 6000/7000 Series Methods			**Preparation Method:**	**SW3050B-ICPMS**	
23L1295-04	1.03 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
23L1295-04RE1	1.03 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
23L1295-05	1.07 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
23L1295-05RE1	1.07 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
23L1295-06	1.09 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
23L1295-06RE1	1.09 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
23L1295-07	1.08 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
23L1295-07RE1	1.08 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
23L1295-08	1.02 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
23L1295-08RE1	1.02 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
23L1295-09	1.06 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
23L1295-09RE1	1.06 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
23L1295-10	1.08 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
23L1295-10RE1	1.08 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
23L1295-11	1.02 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
23L1295-11RE1	1.02 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
23L1295-12	1.08 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
23L1295-12RE1	1.08 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
23L1295-13	1.04 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
23L1295-13RE1	1.04 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
23L1295-14	1.04 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
23L1295-14RE1	1.04 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
23L1295-15	1.08 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
23L1295-15RE1	1.08 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
23L1295-16	1.01 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
23L1295-16RE1	1.01 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
23L1295-17	1.03 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
23L1295-17RE1	1.03 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175

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Semivolatile Organic Compounds by GCMS			**Preparation Method:**	**SW3550C/EPA600-MS**	
23L0566-01	30.7 g / 1.00 mL	SW8270E	BGL0645	SGL0709	AL30202
23L0566-02	30.1 g / 1.00 mL	SW8270E	BGL0645	SGL0709	AL30202
23L0566-03	30.0 g / 1.00 mL	SW8270E	BGL0645	SGL0709	AL30202
23L0566-04	30.2 g / 1.00 mL	SW8270E	BGL0645	SGL0709	AL30202
23L0566-05	30.1 g / 1.00 mL	SW8270E	BGL0645	SGL0969	AL30202
23L0566-06	30.6 g / 1.00 mL	SW8270E	BGL0645	SGL0969	AL30202
23L0675-01	30.2 g / 1.00 mL	SW8270E	BGL0645	SGL0881	AK30271
23L0675-02	30.2 g / 1.00 mL	SW8270E	BGL0645	SGL0881	AK30271
23L0675-03	30.1 g / 1.00 mL	SW8270E	BGL0645	SGL0881	AK30271
23L0675-04	30.2 g / 1.00 mL	SW8270E	BGL0645	SGL0901	AL30202
23L0675-05	30.2 g / 1.00 mL	SW8270E	BGL0645	SGL0881	AK30271
23L0675-06	30.0 g / 1.00 mL	SW8270E	BGL0645	SGL0881	AK30271
23L0675-07	30.2 g / 1.00 mL	SW8270E	BGL0645	SGL0881	AK30271
23L0675-08	30.3 g / 1.00 mL	SW8270E	BGL0645	SGL0709	AL30202
23L0675-09	30.6 g / 1.00 mL	SW8270E	BGL0645	SGL0881	AK30271
23L0675-10	30.3 g / 1.00 mL	SW8270E	BGL0645	SGL0881	AK30271
23L0675-11	30.2 g / 1.00 mL	SW8270E	BGL0645	SGL0901	AL30202
23L0675-12	30.0 g / 1.00 mL	SW8270E	BGL0645	SGL0901	AL30202
23L0795-01	30.8 g / 1.00 mL	SW8270E	BGL0645	SGL0969	AL30202
23L0795-02	30.2 g / 1.00 mL	SW8270E	BGL0645	SGL0969	AL30202
23L0566-01	30.7 g / 1.00 mL	SW8270E SIM	BGL0645	SGL0707	AL30228
23L0566-02	30.1 g / 1.00 mL	SW8270E SIM	BGL0645	SGL0707	AL30228
23L0566-03	30.0 g / 1.00 mL	SW8270E SIM	BGL0645	SGL0707	AL30228
23L0566-04	30.2 g / 1.00 mL	SW8270E SIM	BGL0645	SGL0707	AL30228
23L0566-05	30.1 g / 1.00 mL	SW8270E SIM	BGL0645	SGL0707	AL30228
23L0566-06	30.6 g / 1.00 mL	SW8270E SIM	BGL0645	SGL0707	AL30228
23L0675-01	30.2 g / 1.00 mL	SW8270E SIM	BGL0645	SGL0707	AL30228
23L0675-02	30.2 g / 1.00 mL	SW8270E SIM	BGL0645	SGL0707	AL30228
23L0675-03	30.1 g / 1.00 mL	SW8270E SIM	BGL0645	SGL0707	AL30228
23L0675-04	30.2 g / 1.00 mL	SW8270E SIM	BGL0645	SGL0707	AL30228

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Semivolatile Organic Compounds by GCMS			**Preparation Method:**	**SW3550C/EPA600-MS**	
23L0675-05	30.2 g / 1.00 mL	SW8270E SIM	BGL0645	SGL0707	AL30228
23L0675-06	30.0 g / 1.00 mL	SW8270E SIM	BGL0645	SGL0707	AL30228
23L0675-07	30.2 g / 1.00 mL	SW8270E SIM	BGL0645	SGL0707	AL30228
23L0675-08	30.3 g / 1.00 mL	SW8270E SIM	BGL0645	SGL0707	AL30228
23L0675-09	30.6 g / 1.00 mL	SW8270E SIM	BGL0645	SGL0707	AL30228
23L0675-10	30.3 g / 1.00 mL	SW8270E SIM	BGL0645	SGL0707	AL30228
23L0675-11	30.2 g / 1.00 mL	SW8270E SIM	BGL0645	SGL0833	AL30228
23L0675-12	30.0 g / 1.00 mL	SW8270E SIM	BGL0645	SGL0833	AL30228
23L0795-01	30.8 g / 1.00 mL	SW8270E SIM	BGL0645	SGL0833	AL30228
23L0795-02	30.2 g / 1.00 mL	SW8270E SIM	BGL0645	SGL0833	AL30228
23L0795-03	30.8 g / 1.00 mL	SW8270E	BGL0670	SGL1019	AL30202
23L0795-04	30.1 g / 1.00 mL	SW8270E	BGL0670	SGL0709	AL30202
23L0795-05	30.2 g / 1.00 mL	SW8270E	BGL0670	SGL0709	AL30202
23L0795-06	31.0 g / 1.00 mL	SW8270E	BGL0670	SGL0652	AK30271
23L0795-07	30.3 g / 1.00 mL	SW8270E	BGL0670	SGL1019	AL30202
23L0795-08	30.2 g / 1.00 mL	SW8270E	BGL0670	SGL0709	AL30202
23L0795-09	30.4 g / 1.00 mL	SW8270E	BGL0670	SGL0709	AL30202
23L0795-10	30.7 g / 1.00 mL	SW8270E	BGL0670	SGL0709	AL30202
23L0795-03	30.8 g / 1.00 mL	SW8270E SIM	BGL0670	SGL0833	AL30228
23L0795-04	30.1 g / 1.00 mL	SW8270E SIM	BGL0670	SGL0833	AL30228
23L0795-05	30.2 g / 1.00 mL	SW8270E SIM	BGL0670	SGL0833	AL30228
23L0795-06	31.0 g / 1.00 mL	SW8270E SIM	BGL0670	SGL0707	AL30228
23L0795-07	30.3 g / 1.00 mL	SW8270E SIM	BGL0670	SGL0833	AL30228
23L0795-08	30.2 g / 1.00 mL	SW8270E SIM	BGL0670	SGL0833	AL30228
23L0795-09	30.4 g / 1.00 mL	SW8270E SIM	BGL0670	SGL0833	AL30228
23L0795-10	30.7 g / 1.00 mL	SW8270E SIM	BGL0670	SGL0833	AL30228
23L0912-01	30.2 g / 1.00 mL	SW8270E	BGL0784	SGL0825	AL30202
23L0912-02	30.0 g / 1.00 mL	SW8270E	BGL0784	SGL0825	AL30202
23L0912-03	30.6 g / 1.00 mL	SW8270E	BGL0784	SGL1087	AK30271
23L0912-04	30.8 g / 1.00 mL	SW8270E	BGL0784	SGL1087	AK30271

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Semivolatile Organic Compounds by GCMS			**Preparation Method:**	**SW3550C/EPA600-MS**	
23L0912-05	30.2 g / 1.00 mL	SW8270E	BGL0784	SGL0825	AL30202
23L0912-06	30.5 g / 1.00 mL	SW8270E	BGL0784	SGL0825	AL30202
23L0912-07	31.0 g / 1.00 mL	SW8270E	BGL0784	SGL0825	AL30202
23L0912-08	30.1 g / 1.00 mL	SW8270E	BGL0784	SGL0825	AL30202
23L0912-09	30.6 g / 1.00 mL	SW8270E	BGL0784	SGL1087	AK30271
23L0912-10	30.2 g / 1.00 mL	SW8270E	BGL0784	SGL0825	AL30202
23L0912-11	30.9 g / 1.00 mL	SW8270E	BGL0784	SGL0825	AL30202
23L0912-12	30.5 g / 1.00 mL	SW8270E	BGL0784	SGL0825	AL30202
23L0912-01	30.2 g / 1.00 mL	SW8270E SIM	BGL0784	SGL0833	AL30228
23L0912-02	30.0 g / 1.00 mL	SW8270E SIM	BGL0784	SGL0833	AL30228
23L0912-03	30.6 g / 1.00 mL	SW8270E SIM	BGL0784	SGL0833	AL30228
23L0912-04	30.8 g / 1.00 mL	SW8270E SIM	BGL0784	SGL0833	AL30228
23L0912-05	30.2 g / 1.00 mL	SW8270E SIM	BGL0784	SGL0833	AL30228
23L0912-06	30.5 g / 1.00 mL	SW8270E SIM	BGL0784	SGL0880	AL30228
23L0912-07	31.0 g / 1.00 mL	SW8270E SIM	BGL0784	SGL0833	AL30228
23L0912-08	30.1 g / 1.00 mL	SW8270E SIM	BGL0784	SGL0833	AL30228
23L0912-09	30.6 g / 1.00 mL	SW8270E SIM	BGL0784	SGL0833	AL30228
23L0912-10	30.2 g / 1.00 mL	SW8270E SIM	BGL0784	SGL0835	AL30228
23L0912-11	30.9 g / 1.00 mL	SW8270E SIM	BGL0784	SGL0835	AL30228
23L0912-12	30.5 g / 1.00 mL	SW8270E SIM	BGL0784	SGL0833	AL30228
23L1137-01	30.0 g / 1.00 mL	SW8270E	BGL0913	SGL0921	AK30271
23L1137-02	30.3 g / 1.00 mL	SW8270E	BGL0913	SGL0921	AK30271
23L1137-03	30.1 g / 1.00 mL	SW8270E	BGL0913	SGL0921	AK30271
23L1137-04	30.4 g / 1.00 mL	SW8270E	BGL0913	SGL0921	AK30271
23L1137-05	30.2 g / 1.00 mL	SW8270E	BGL0913	SGL0921	AK30271
23L1137-06	30.1 g / 1.00 mL	SW8270E	BGL0913	SGL0921	AK30271
23L1137-07	30.4 g / 1.00 mL	SW8270E	BGL0913	SGL1017	AK30271
23L1137-08	30.5 g / 1.00 mL	SW8270E	BGL0913	SGL0921	AK30271
23L1137-09	30.4 g / 1.00 mL	SW8270E	BGL0913	SGL0921	AK30271
23L1137-10	30.2 g / 1.00 mL	SW8270E	BGL0913	SGL0921	AK30271

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Semivolatile Organic Compounds by GCMS			**Preparation Method:**	**SW3550C/EPA600-MS**	
23L1137-11	30.4 g / 1.00 mL	SW8270E	BGL0913	SGL0921	AK30271
23L1137-12	30.3 g / 1.00 mL	SW8270E	BGL0913	SGL1017	AK30271
23L1137-01	30.0 g / 1.00 mL	SW8270E SIM	BGL0913	SGL0880	AL30228
23L1137-02	30.3 g / 1.00 mL	SW8270E SIM	BGL0913	SGL0880	AL30228
23L1137-03	30.1 g / 1.00 mL	SW8270E SIM	BGL0913	SGL0880	AL30228
23L1137-04	30.4 g / 1.00 mL	SW8270E SIM	BGL0913	SGL0880	AL30228
23L1137-05	30.2 g / 1.00 mL	SW8270E SIM	BGL0913	SGL0880	AL30228
23L1137-06	30.1 g / 1.00 mL	SW8270E SIM	BGL0913	SGL0880	AL30228
23L1137-07	30.4 g / 1.00 mL	SW8270E SIM	BGL0913	SGL0880	AL30228
23L1137-08	30.5 g / 1.00 mL	SW8270E SIM	BGL0913	SGL0880	AL30228
23L1137-09	30.4 g / 1.00 mL	SW8270E SIM	BGL0913	SGL0880	AL30228
23L1137-10	30.2 g / 1.00 mL	SW8270E SIM	BGL0913	SGL0880	AL30228
23L1137-11	30.4 g / 1.00 mL	SW8270E SIM	BGL0913	SGL0880	AL30228
23L1137-12	30.3 g / 1.00 mL	SW8270E SIM	BGL0913	SGL0880	AL30228
23L1228-01	30.5 g / 1.00 mL	SW8270E	BGL0962	SGL1019	AL30202
23L1228-02	30.9 g / 1.00 mL	SW8270E	BGL0962	SGL1019	AL30202
23L1228-03	30.0 g / 1.00 mL	SW8270E	BGL0962	SGL1019	AL30202
23L1228-04	30.6 g / 1.00 mL	SW8270E	BGL0962	SGL1019	AL30202
23L1228-05	30.8 g / 1.00 mL	SW8270E	BGL0962	SGL1019	AL30202
23L1228-06	30.6 g / 1.00 mL	SW8270E	BGL0962	SGL1065	AL30202
23L1228-07	30.7 g / 1.00 mL	SW8270E	BGL0962	SGL1019	AL30202
23L1228-08	30.5 g / 1.00 mL	SW8270E	BGL0962	SGL1019	AL30202
23L1228-09	30.4 g / 1.00 mL	SW8270E	BGL0962	SGL1019	AL30202
23L1228-10	30.2 g / 1.00 mL	SW8270E	BGL0962	SGL1019	AL30202
23L1228-11	30.5 g / 1.00 mL	SW8270E	BGL0962	SGL1087	AK30271
23L1228-12	30.6 g / 1.00 mL	SW8270E	BGL0962	SGL1087	AK30271
23L1228-13	30.7 g / 1.00 mL	SW8270E	BGL0962	SGL1087	AK30271
23L1295-01	30.7 g / 1.00 mL	SW8270E	BGL0962	SGL1087	AK30271
23L1295-02	30.4 g / 1.00 mL	SW8270E	BGL0962	SGL1087	AK30271
23L1295-03	30.2 g / 1.00 mL	SW8270E	BGL0962	SGL1087	AK30271

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Semivolatile Organic Compounds by GCMS			**Preparation Method:**	**SW3550C/EPA600-MS**	
23L1295-04	30.3 g / 1.00 mL	SW8270E	BGL0962	SGL1087	AK30271
23L1295-05	30.5 g / 1.00 mL	SW8270E	BGL0962	SGL1087	AK30271
23L1295-06	30.5 g / 1.00 mL	SW8270E	BGL0962	SGL1087	AK30271
23L1295-07	30.1 g / 1.00 mL	SW8270E	BGL0962	SGL1087	AK30271
23L1228-01	30.5 g / 1.00 mL	SW8270E SIM	BGL0962	SGL0914	AL30228
23L1228-02	30.9 g / 1.00 mL	SW8270E SIM	BGL0962	SGL0914	AL30228
23L1228-03	30.0 g / 1.00 mL	SW8270E SIM	BGL0962	SGL0914	AL30228
23L1228-04	30.6 g / 1.00 mL	SW8270E SIM	BGL0962	SGL0914	AL30228
23L1228-05	30.8 g / 1.00 mL	SW8270E SIM	BGL0962	SGL0914	AL30228
23L1228-06	30.6 g / 1.00 mL	SW8270E SIM	BGL0962	SGL0914	AL30228
23L1228-07	30.7 g / 1.00 mL	SW8270E SIM	BGL0962	SGL0914	AL30228
23L1228-08	30.5 g / 1.00 mL	SW8270E SIM	BGL0962	SGL0914	AL30228
23L1228-09	30.4 g / 1.00 mL	SW8270E SIM	BGL0962	SGL0914	AL30228
23L1228-10	30.2 g / 1.00 mL	SW8270E SIM	BGL0962	SGL0914	AL30228
23L1228-11	30.5 g / 1.00 mL	SW8270E SIM	BGL0962	SGL0914	AL30228
23L1228-12	30.6 g / 1.00 mL	SW8270E SIM	BGL0962	SGL0914	AL30228
23L1228-13	30.7 g / 1.00 mL	SW8270E SIM	BGL0962	SGL0914	AL30228
23L1295-01	30.7 g / 1.00 mL	SW8270E SIM	BGL0962	SGL0914	AL30228
23L1295-02	30.4 g / 1.00 mL	SW8270E SIM	BGL0962	SGL0914	AL30228
23L1295-03	30.2 g / 1.00 mL	SW8270E SIM	BGL0962	SGL0914	AL30228
23L1295-04	30.3 g / 1.00 mL	SW8270E SIM	BGL0962	SGL0972	AL30228
23L1295-05	30.5 g / 1.00 mL	SW8270E SIM	BGL0962	SGL0972	AL30228
23L1295-06	30.5 g / 1.00 mL	SW8270E SIM	BGL0962	SGL0972	AL30228
23L1295-07	30.1 g / 1.00 mL	SW8270E SIM	BGL0962	SGL0972	AL30228
23L1295-08	30.0 g / 1.00 mL	SW8270E	BGL1076	SGL1065	AL30202
23L1295-09	30.5 g / 1.00 mL	SW8270E	BGL1076	SGL1065	AL30202
23L1295-10	30.3 g / 1.00 mL	SW8270E	BGL1076	SGL1065	AL30202
23L1295-11	30.3 g / 1.00 mL	SW8270E	BGL1076	SGL1065	AL30202
23L1295-12	30.3 g / 1.00 mL	SW8270E	BGL1076	SGL1065	AL30202
23L1295-13	30.0 g / 1.00 mL	SW8270E	BGL1076	SGL1065	AL30202

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Semivolatile Organic Compounds by GCMS			**Preparation Method:**	**SW3550C/EPA600-MS**	
23L1295-14	30.5 g / 1.00 mL	SW8270E	BGL1076	SGL1065	AL30202
23L1295-15	30.1 g / 1.00 mL	SW8270E	BGL1076	SGL1065	AL30202
23L1295-16	30.2 g / 1.00 mL	SW8270E	BGL1076	SGL1065	AL30202
23L1295-17	30.2 g / 1.00 mL	SW8270E	BGL1076	SGL1065	AL30202
23L1295-08	30.0 g / 1.00 mL	SW8270E SIM	BGL1076	SHA0006	AL30228
23L1295-09	30.5 g / 1.00 mL	SW8270E SIM	BGL1076	SHA0006	AL30228
23L1295-10	30.3 g / 1.00 mL	SW8270E SIM	BGL1076	SHA0006	AL30228
23L1295-11	30.3 g / 1.00 mL	SW8270E SIM	BGL1076	SHA0006	AL30228
23L1295-12	30.3 g / 1.00 mL	SW8270E SIM	BGL1076	SHA0006	AL30228
23L1295-13	30.0 g / 1.00 mL	SW8270E SIM	BGL1076	SHA0006	AL30228
23L1295-14	30.5 g / 1.00 mL	SW8270E SIM	BGL1076	SHA0006	AL30228
23L1295-15	30.1 g / 1.00 mL	SW8270E SIM	BGL1076	SHA0006	AL30228
23L1295-16	30.2 g / 1.00 mL	SW8270E SIM	BGL1076	SHA0006	AL30228
23L1295-17	30.2 g / 1.00 mL	SW8270E SIM	BGL1076	SHA0006	AL30228

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Volatile Organic Compounds by GCMS			**Preparation Method:**	**SW5030B-MS**	
23L0566-07	5.00 mL / 5.00 mL	SW8260D	BGL0454	SGL0452	AL30176
23L0566-07RE1	5.00 mL / 5.00 mL	SW8260D	BGL0544	SGL0521	AJ30322
23L0675-13	5.00 mL / 5.00 mL	SW8260D	BGL0600	SGL0577	AL30176
23L0795-11	5.00 mL / 5.00 mL	SW8260D	BGL0601	SGL0580	AJ30373
23L0912-13	5.00 mL / 5.00 mL	SW8260D	BGL0739	SGL0676	AJ30373
23L1137-13	5.00 mL / 5.00 mL	SW8260D	BGL0851	SGL0795	AJ30373
23L1228-14	5.00 mL / 5.00 mL	SW8260D	BGL0921	SGL0854	AL30176
23L1295-18	5.00 mL / 5.00 mL	SW8260D	BGL0967	SGL0899	AL30176

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Volatile Organic Compounds by GCMS			**Preparation Method:**	**SW5035-MS**	
23L0566-01	5.59 g / 5.00 mL	SW8260D	BGL0451	SGL0455	AG30233
23L0566-02	5.49 g / 5.00 mL	SW8260D	BGL0451	SGL0455	AG30233
23L0566-03	6.23 g / 5.00 mL	SW8260D	BGL0451	SGL0455	AG30233
23L0566-04	6.41 g / 5.00 mL	SW8260D	BGL0451	SGL0455	AG30233
23L0566-05	5.81 g / 5.00 mL	SW8260D	BGL0451	SGL0455	AG30233
23L0566-06	5.96 g / 5.00 mL	SW8260D	BGL0451	SGL0455	AG30233
23L0675-01	6.19 g / 5.00 mL	SW8260D	BGL0539	SGL0522	AG30233
23L0675-02	5.72 g / 5.00 mL	SW8260D	BGL0539	SGL0522	AG30233
23L0675-03	5.91 g / 5.00 mL	SW8260D	BGL0539	SGL0522	AG30233
23L0675-04	5.17 g / 5.00 mL	SW8260D	BGL0602	SGL0578	AG30233
23L0675-05	5.73 g / 5.00 mL	SW8260D	BGL0602	SGL0578	AG30233
23L0675-06	5.46 g / 5.00 mL	SW8260D	BGL0602	SGL0578	AG30233
23L0675-07	4.77 g / 5.00 mL	SW8260D	BGL0602	SGL0578	AG30233
23L0675-08	4.46 g / 5.00 mL	SW8260D	BGL0602	SGL0578	AG30233
23L0675-09	5.97 g / 5.00 mL	SW8260D	BGL0602	SGL0578	AG30233
23L0675-10	4.86 g / 5.00 mL	SW8260D	BGL0602	SGL0578	AG30233
23L0675-11	5.40 g / 5.00 mL	SW8260D	BGL0602	SGL0578	AG30233
23L0675-12	5.99 g / 5.00 mL	SW8260D	BGL0602	SGL0578	AG30233
23L0795-01	5.52 g / 5.00 mL	SW8260D	BGL0602	SGL0578	AG30233
23L0795-02	4.98 g / 5.00 mL	SW8260D	BGL0602	SGL0578	AG30233
23L0795-03	6.14 g / 5.00 mL	SW8260D	BGL0602	SGL0578	AG30233
23L0795-04	5.91 g / 5.00 mL	SW8260D	BGL0602	SGL0578	AG30233
23L0795-05	5.66 g / 5.00 mL	SW8260D	BGL0602	SGL0578	AG30233
23L0795-06	5.32 g / 5.00 mL	SW8260D	BGL0602	SGL0578	AG30233
23L0795-07	4.54 g / 5.00 mL	SW8260D	BGL0602	SGL0578	AG30233
23L0795-08	5.32 g / 5.00 mL	SW8260D	BGL0602	SGL0578	AG30233
23L0795-09	5.91 g / 5.00 mL	SW8260D	BGL0602	SGL0578	AG30233
23L0795-10	5.61 g / 5.00 mL	SW8260D	BGL0602	SGL0578	AG30233
23L0912-01	5.96 g / 5.00 mL	SW8260D	BGL0754	SGL0695	AL30261

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Volatile Organic Compounds by GCMS			**Preparation Method:**	**SW5035-MS**	
23L0912-02	5.40 g / 5.00 mL	SW8260D	BGL0754	SGL0695	AL30261
23L0912-03	5.58 g / 5.00 mL	SW8260D	BGL0754	SGL0695	AL30261
23L0912-04	5.68 g / 5.00 mL	SW8260D	BGL0754	SGL0695	AL30261
23L0912-05	5.15 g / 5.00 mL	SW8260D	BGL0754	SGL0695	AL30261
23L0912-06	6.29 g / 5.00 mL	SW8260D	BGL0754	SGL0695	AL30261
23L0912-07	5.42 g / 5.00 mL	SW8260D	BGL0754	SGL0695	AL30261
23L0912-08	6.19 g / 5.00 mL	SW8260D	BGL0754	SGL0695	AL30261
23L0912-09	4.69 g / 5.00 mL	SW8260D	BGL0754	SGL0695	AL30261
23L0912-10	5.46 g / 5.00 mL	SW8260D	BGL0754	SGL0695	AL30261
23L0912-11	6.09 g / 5.00 mL	SW8260D	BGL0754	SGL0695	AL30261
23L0912-12	5.49 g / 5.00 mL	SW8260D	BGL0754	SGL0695	AL30261
23L1137-01	6.22 g / 5.00 mL	SW8260D	BGL0853	SGL0796	AL30261
23L1137-02	6.09 g / 5.00 mL	SW8260D	BGL0853	SGL0796	AL30261
23L1137-03	6.00 g / 5.00 mL	SW8260D	BGL0853	SGL0796	AL30261
23L1137-04	5.78 g / 5.00 mL	SW8260D	BGL0853	SGL0796	AL30261
23L1137-05	5.88 g / 5.00 mL	SW8260D	BGL0853	SGL0796	AL30261
23L1137-06	5.01 g / 5.00 mL	SW8260D	BGL0853	SGL0796	AL30261
23L1137-07	5.76 g / 5.00 mL	SW8260D	BGL0853	SGL0796	AL30261
23L1137-08	5.80 g / 5.00 mL	SW8260D	BGL0853	SGL0796	AL30261
23L1137-09	5.47 g / 5.00 mL	SW8260D	BGL0853	SGL0796	AL30261
23L1137-10	6.15 g / 5.00 mL	SW8260D	BGL0853	SGL0796	AL30261
23L1137-11	6.35 g / 5.00 mL	SW8260D	BGL0853	SGL0796	AL30261
23L1137-12	6.31 g / 5.00 mL	SW8260D	BGL0853	SGL0796	AL30261
23L1228-01	6.29 g / 5.00 mL	SW8260D	BGL0919	SGL0852	AL30261
23L1228-02	5.11 g / 5.00 mL	SW8260D	BGL0919	SGL0852	AL30261
23L1228-03	5.50 g / 5.00 mL	SW8260D	BGL0919	SGL0852	AL30261
23L1228-04	5.80 g / 5.00 mL	SW8260D	BGL0919	SGL0852	AL30261
23L1228-05	6.36 g / 5.00 mL	SW8260D	BGL0919	SGL0852	AL30261
23L1228-06	5.51 g / 5.00 mL	SW8260D	BGL0919	SGL0852	AL30261
23L1228-07	5.84 g / 5.00 mL	SW8260D	BGL0919	SGL0852	AL30261

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Volatile Organic Compounds by GCMS			**Preparation Method:**	**SW5035-MS**	
23L1228-08	6.13 g / 5.00 mL	SW8260D	BGL0919	SGL0852	AL30261
23L1228-09	5.19 g / 5.00 mL	SW8260D	BGL0919	SGL0852	AL30261
23L1228-10	5.79 g / 5.00 mL	SW8260D	BGL0969	SGL0898	AL30261
23L1228-11	6.14 g / 5.00 mL	SW8260D	BGL0969	SGL0898	AL30261
23L1295-01	5.74 g / 5.00 mL	SW8260D	BGL0969	SGL0898	AL30261
23L1295-02	5.29 g / 5.00 mL	SW8260D	BGL0969	SGL0898	AL30261
23L1295-03	5.12 g / 5.00 mL	SW8260D	BGL0969	SGL0898	AL30261
23L1295-04	5.32 g / 5.00 mL	SW8260D	BGL0969	SGL0898	AL30261
23L1295-05	4.82 g / 5.00 mL	SW8260D	BGL0969	SGL0898	AL30261
23L1295-06	5.23 g / 5.00 mL	SW8260D	BGL0969	SGL0898	AL30261
23L1295-07	4.93 g / 5.00 mL	SW8260D	BGL0969	SGL0898	AL30261
23L1295-08	5.95 g / 5.00 mL	SW8260D	BGL0969	SGL0898	AL30261
23L1295-09	5.29 g / 5.00 mL	SW8260D	BGL0969	SGL0898	AL30261
23L1295-10	4.34 g / 5.00 mL	SW8260D	BGL0969	SGL0898	AL30261
23L1295-11	4.42 g / 5.00 mL	SW8260D	BGL0969	SGL0898	AL30261
23L1295-12	5.58 g / 5.00 mL	SW8260D	BGL0969	SGL0898	AL30261
23L1295-13	4.35 g / 5.00 mL	SW8260D	BGL0969	SGL0898	AL30261
23L1295-14	4.22 g / 5.00 mL	SW8260D	BGL0969	SGL0898	AL30261
23L1295-15	5.49 g / 5.00 mL	SW8260D	BGL0969	SGL0898	AL30261
23L1295-16	5.20 g / 5.00 mL	SW8260D	BGL0969	SGL0898	AL30261
23L1295-17	5.16 g / 5.00 mL	SW8260D	BGL0969	SGL0898	AL30261
23L1228-06RE1	5.45 g / 5.00 mL	SW8260D	BGL1028	SGL0943	AL30176
23L1228-12	6.46 g / 5.00 mL	SW8260D	BGL1028	SGL0943	AL30176
23L1228-13	6.21 g / 5.00 mL	SW8260D	BGL1028	SGL0943	AL30176
23L1295-17RE1	3.70 g / 5.00 mL	SW8260D	BGL1028	SGL0943	AL30176

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Metals (Total) by EPA 6000/7000 Series Methods			**Preparation Method:**	**SW7471B**	

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Metals (Total) by EPA 6000/7000 Series Methods			**Preparation Method:**	**SW7471B**	
23L0566-01	0.508 g / 20.0 mL	SW7471B	BGL0565	SGL0557	AL30235
23L0566-02	0.505 g / 20.0 mL	SW7471B	BGL0565	SGL0557	AL30235
23L0566-03	0.512 g / 20.0 mL	SW7471B	BGL0565	SGL0557	AL30235
23L0566-04	0.501 g / 20.0 mL	SW7471B	BGL0565	SGL0557	AL30235
23L0566-05	0.519 g / 20.0 mL	SW7471B	BGL0565	SGL0557	AL30235
23L0566-06	0.508 g / 20.0 mL	SW7471B	BGL0565	SGL0557	AL30235
23L0675-01	0.520 g / 20.0 mL	SW7471B	BGL0767	SGL0731	AL30265
23L0675-02	0.501 g / 20.0 mL	SW7471B	BGL0767	SGL0731	AL30265
23L0675-03	0.509 g / 20.0 mL	SW7471B	BGL0767	SGL0731	AL30265
23L0675-04	0.512 g / 20.0 mL	SW7471B	BGL0767	SGL0731	AL30265
23L0675-05	0.502 g / 20.0 mL	SW7471B	BGL0767	SGL0731	AL30265
23L0675-06	0.520 g / 20.0 mL	SW7471B	BGL0767	SGL0731	AL30265
23L0675-07	0.502 g / 20.0 mL	SW7471B	BGL0767	SGL0731	AL30265
23L0675-08	0.500 g / 20.0 mL	SW7471B	BGL0767	SGL0731	AL30265
23L0675-09	0.505 g / 20.0 mL	SW7471B	BGL0767	SGL0731	AL30265
23L0675-10	0.519 g / 20.0 mL	SW7471B	BGL0767	SGL0731	AL30265
23L0675-11	0.509 g / 20.0 mL	SW7471B	BGL0767	SGL0731	AL30265
23L0675-12	0.506 g / 20.0 mL	SW7471B	BGL0767	SGL0731	AL30265
23L0795-01	0.514 g / 20.0 mL	SW7471B	BGL0767	SGL0731	AL30265
23L0795-02	0.513 g / 20.0 mL	SW7471B	BGL0767	SGL0731	AL30265
23L0795-03	0.516 g / 20.0 mL	SW7471B	BGL0767	SGL0731	AL30265
23L0795-04	0.504 g / 20.0 mL	SW7471B	BGL0767	SGL0731	AL30265
23L0795-05	0.512 g / 20.0 mL	SW7471B	BGL0767	SGL0731	AL30265
23L0795-06	0.516 g / 20.0 mL	SW7471B	BGL0767	SGL0731	AL30265
23L0795-07	0.520 g / 20.0 mL	SW7471B	BGL0767	SGL0731	AL30265
23L0795-07RE1	0.520 g / 20.0 mL	SW7471B	BGL0767	SGL0731	AL30265
23L0795-08	0.509 g / 20.0 mL	SW7471B	BGL0768	SGL0731	AL30265
23L0795-09	0.503 g / 20.0 mL	SW7471B	BGL0768	SGL0731	AL30265
23L0795-10	0.503 g / 20.0 mL	SW7471B	BGL0768	SGL0731	AL30265
23L0912-01	0.509 g / 20.0 mL	SW7471B	BGL0768	SGL0731	AL30265

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Metals (Total) by EPA 6000/7000 Series Methods			**Preparation Method:**	**SW7471B**	
23L0912-02	0.504 g / 20.0 mL	SW7471B	BGL0768	SGL0731	AL30265
23L0912-03	0.511 g / 20.0 mL	SW7471B	BGL0768	SGL0731	AL30265
23L0912-04	0.520 g / 20.0 mL	SW7471B	BGL0768	SGL0731	AL30265
23L0912-05	0.505 g / 20.0 mL	SW7471B	BGL0768	SGL0731	AL30265
23L0912-06	0.507 g / 20.0 mL	SW7471B	BGL0768	SGL0731	AL30265
23L0912-07	0.506 g / 20.0 mL	SW7471B	BGL0768	SGL0731	AL30265
23L0912-08	0.509 g / 20.0 mL	SW7471B	BGL0768	SGL0731	AL30265
23L0912-09	0.513 g / 20.0 mL	SW7471B	BGL0768	SGL0731	AL30265
23L0912-10	0.515 g / 20.0 mL	SW7471B	BGL0768	SGL0731	AL30265
23L0912-11	0.518 g / 20.0 mL	SW7471B	BGL0768	SGL0731	AL30265
23L0912-12	0.508 g / 20.0 mL	SW7471B	BGL0768	SGL0731	AL30265
23L1137-01	0.500 g / 20.0 mL	SW7471B	BGL0844	SGL0780	AL30273
23L1137-02	0.502 g / 20.0 mL	SW7471B	BGL0844	SGL0780	AL30273
23L1137-03	0.504 g / 20.0 mL	SW7471B	BGL0844	SGL0780	AL30273
23L1137-04	0.524 g / 20.0 mL	SW7471B	BGL0844	SGL0780	AL30273
23L1137-05	0.523 g / 20.0 mL	SW7471B	BGL0844	SGL0780	AL30273
23L1137-06	0.513 g / 20.0 mL	SW7471B	BGL0844	SGL0780	AL30273
23L1137-06RE1	0.513 g / 20.0 mL	SW7471B	BGL0844	SGL0780	AL30273
23L1137-07	0.506 g / 20.0 mL	SW7471B	BGL0844	SGL0780	AL30273
23L1137-08	0.500 g / 20.0 mL	SW7471B	BGL0844	SGL0780	AL30273
23L1137-09	0.502 g / 20.0 mL	SW7471B	BGL0844	SGL0780	AL30273
23L1137-10	0.506 g / 20.0 mL	SW7471B	BGL0844	SGL0780	AL30273
23L1137-11	0.505 g / 20.0 mL	SW7471B	BGL0844	SGL0780	AL30273
23L1137-12	0.501 g / 20.0 mL	SW7471B	BGL0844	SGL0780	AL30273
23L1295-01	0.528 g / 20.0 mL	SW7471B	BHA0160	SHA0180	AA40176
23L1295-01RE1	0.528 g / 20.0 mL	SW7471B	BHA0160	SHA0180	AA40176
23L1295-02	0.537 g / 20.0 mL	SW7471B	BHA0160	SHA0180	AA40176
23L1295-03	0.549 g / 20.0 mL	SW7471B	BHA0160	SHA0180	AA40176
23L1295-04	0.510 g / 20.0 mL	SW7471B	BHA0160	SHA0180	AA40176
23L1295-05	0.549 g / 20.0 mL	SW7471B	BHA0160	SHA0180	AA40176

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Metals (Total) by EPA 6000/7000 Series Methods			**Preparation Method:**	**SW7471B**	
23L1295-06	0.511 g / 20.0 mL	SW7471B	BHA0160	SHA0180	AA40176
23L1295-06RE1	0.511 g / 20.0 mL	SW7471B	BHA0160	SHA0180	AA40176
23L1295-07	0.500 g / 20.0 mL	SW7471B	BHA0160	SHA0180	AA40176
23L1295-08	0.520 g / 20.0 mL	SW7471B	BHA0160	SHA0180	AA40176
23L1295-09	0.545 g / 20.0 mL	SW7471B	BHA0160	SHA0180	AA40176
23L1295-10	0.501 g / 20.0 mL	SW7471B	BHA0160	SHA0180	AA40176
23L1295-11	0.510 g / 20.0 mL	SW7471B	BHA0160	SHA0180	AA40176
23L1295-12	0.537 g / 20.0 mL	SW7471B	BHA0160	SHA0180	AA40176
23L1295-13	0.535 g / 20.0 mL	SW7471B	BHA0160	SHA0180	AA40176
23L1295-14	0.536 g / 20.0 mL	SW7471B	BHA0160	SHA0180	AA40176
23L1295-15	0.526 g / 20.0 mL	SW7471B	BHA0160	SHA0180	AA40176
23L1295-16	0.514 g / 20.0 mL	SW7471B	BHA0160	SHA0180	AA40176
23L1295-17	0.530 g / 20.0 mL	SW7471B	BHA0160	SHA0180	AA40176
23L1228-01	0.529 g / 20.0 mL	SW7471B	BHA0204	SHA0219	AA40184
23L1228-02	0.505 g / 20.0 mL	SW7471B	BHA0204	SHA0219	AA40184
23L1228-02RE1	0.505 g / 20.0 mL	SW7471B	BHA0204	SHA0219	AA40184
23L1228-03	0.511 g / 20.0 mL	SW7471B	BHA0204	SHA0219	AA40184
23L1228-04	0.533 g / 20.0 mL	SW7471B	BHA0204	SHA0219	AA40184
23L1228-05	0.519 g / 20.0 mL	SW7471B	BHA0204	SHA0219	AA40184
23L1228-06	0.507 g / 20.0 mL	SW7471B	BHA0204	SHA0219	AA40184
23L1228-07	0.544 g / 20.0 mL	SW7471B	BHA0204	SHA0219	AA40184
23L1228-08	0.530 g / 20.0 mL	SW7471B	BHA0204	SHA0219	AA40184
23L1228-09	0.514 g / 20.0 mL	SW7471B	BHA0204	SHA0219	AA40184
23L1228-10	0.509 g / 20.0 mL	SW7471B	BHA0204	SHA0219	AA40184
23L1228-11	0.565 g / 20.0 mL	SW7471B	BHA0204	SHA0219	AA40184
23L1228-12	0.523 g / 20.0 mL	SW7471B	BHA0204	SHA0219	AA40184
23L1228-12RE1	0.523 g / 20.0 mL	SW7471B	BHA0204	SHA0219	AA40184
23L1228-13	0.510 g / 20.0 mL	SW7471B	BHA0204	SHA0219	AA40184

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QC Analytical Summary

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Ion Chromatography Analyses			**Preparation Method:**	**No Prep IC**	
BGL0485-BLK1	10.0 g / 100 mL	SW9056A	BGL0485	SGL0525	AG30181
BGL0485-BLK1	10.0 g / 100 mL	SW9056A	BGL0485	SGL0525	AG30181
BGL0485-BS1	10.0 g / 100 mL	SW9056A	BGL0485	SGL0525	AG30181
BGL0485-BS1	10.0 g / 100 mL	SW9056A	BGL0485	SGL0525	AG30181
BGL0485-BSD1	10.0 g / 100 mL	SW9056A	BGL0485	SGL0525	AG30181
BGL0485-BSD1	10.0 g / 100 mL	SW9056A	BGL0485	SGL0525	AG30181
BGL0485-MS1	10.6 g / 100 mL	SW9056A	BGL0485	SGL0525	AG30181
BGL0485-MS1	10.6 g / 100 mL	SW9056A	BGL0485	SGL0525	AG30181
BGL0485-MS2	10.4 g / 100 mL	SW9056A	BGL0485	SGL0525	AG30181
BGL0485-MS2	10.4 g / 100 mL	SW9056A	BGL0485	SGL0525	AG30181
BGL0485-MSD1	10.6 g / 100 mL	SW9056A	BGL0485	SGL0525	AG30181
BGL0485-MSD1	10.6 g / 100 mL	SW9056A	BGL0485	SGL0525	AG30181
BGL0485-MSD2	10.4 g / 100 mL	SW9056A	BGL0485	SGL0525	AG30181
BGL0485-MSD2	10.4 g / 100 mL	SW9056A	BGL0485	SGL0525	AG30181
BGL0557-BLK1	10.0 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
BGL0557-BLK1	10.0 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
BGL0557-BS1	10.0 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
BGL0557-BS1	10.0 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
BGL0557-BSD1	10.0 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
BGL0557-BSD1	10.0 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
BGL0557-MS1	10.8 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
BGL0557-MS1	10.8 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
BGL0557-MS2	10.1 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
BGL0557-MS2	10.1 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
BGL0557-MSD1	10.8 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
BGL0557-MSD1	10.8 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
BGL0557-MSD2	10.1 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Wet Chemistry Analysis			**Preparation Method:**	**No Prep IC**	
BGL0557-MSD2	10.1 g / 100 mL	SW9056A	BGL0557	SGL0542	AJ30356
BGL0651-BLK1	10.0 g / 2000 mL	SW9056A	BGL0651	SGL0712	AG30181
BGL0651-BLK1	10.0 g / 2000 mL	SW9056A	BGL0651	SGL0712	AG30181
BGL0651-BS1	200 g / 2000 mL	SW9056A	BGL0651	SGL0712	AG30181
BGL0651-BS1	200 g / 2000 mL	SW9056A	BGL0651	SGL0712	AG30181
BGL0651-BSD1		SW9056A	BGL0651	SGL0712	AG30181
BGL0651-BSD1		SW9056A	BGL0651	SGL0712	AG30181
BGL0651-MS1	206 g / 2000 mL	SW9056A	BGL0651	SGL0712	AG30181
BGL0651-MS1	206 g / 2000 mL	SW9056A	BGL0651	SGL0712	AG30181
BGL0651-MSD1	206 g / 2000 mL	SW9056A	BGL0651	SGL0712	AG30181
BGL0651-MSD1	206 g / 2000 mL	SW9056A	BGL0651	SGL0712	AG30181
BGL0705-BLK1	10.0 g / 2000 mL	SW9056A	BGL0705	SGL0712	AG30181
BGL0705-BLK1	10.0 g / 2000 mL	SW9056A	BGL0705	SGL0712	AG30181
BGL0705-BS1	200 g / 2000 mL	SW9056A	BGL0705	SGL0712	AG30181
BGL0705-BS1	200 g / 2000 mL	SW9056A	BGL0705	SGL0712	AG30181
BGL0705-BSD1	200 g / 2000 mL	SW9056A	BGL0705	SGL0712	AG30181
BGL0705-BSD1	200 g / 2000 mL	SW9056A	BGL0705	SGL0712	AG30181
BGL0705-MS1	210 g / 2000 mL	SW9056A	BGL0705	SGL0712	AG30181
BGL0705-MS1	210 g / 2000 mL	SW9056A	BGL0705	SGL0712	AG30181
BGL0705-MS2	212 g / 2000 mL	SW9056A	BGL0705	SGL0712	AG30181
BGL0705-MS2	212 g / 2000 mL	SW9056A	BGL0705	SGL0712	AG30181
BGL0705-MSD1	210 g / 2000 mL	SW9056A	BGL0705	SGL0712	AG30181
BGL0705-MSD1	210 g / 2000 mL	SW9056A	BGL0705	SGL0712	AG30181
BGL0705-MSD2	212 g / 2000 mL	SW9056A	BGL0705	SGL0712	AG30181
BGL0705-MSD2	212 g / 2000 mL	SW9056A	BGL0705	SGL0712	AG30181
BGL0886-BLK1	10.0 g / 100 mL	SW9056A	BGL0886	SGL0933	AL30272
BGL0886-BLK1	10.0 g / 100 mL	SW9056A	BGL0886	SGL0933	AL30272
BGL0886-BS1	200 g / 2000 mL	SW9056A	BGL0886	SGL0933	AL30272
BGL0886-BS1	200 g / 2000 mL	SW9056A	BGL0886	SGL0933	AL30272

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Ion Chromatography Analyses			**Preparation Method:**	**No Prep IC**	
BGL0886-MS1	205 g / 2000 mL	SW9056A	BGL0886	SGL0933	AL30272
BGL0886-MS1	205 g / 2000 mL	SW9056A	BGL0886	SGL0933	AL30272
BGL0886-MS2	213 g / 2000 mL	SW9056A	BGL0886	SGL0933	AL30272
BGL0886-MS2	213 g / 2000 mL	SW9056A	BGL0886	SGL0933	AL30272
BGL0886-MSD1	205 g / 2000 mL	SW9056A	BGL0886	SGL0933	AL30272
BGL0886-MSD1	205 g / 2000 mL	SW9056A	BGL0886	SGL0933	AL30272
BGL0886-MSD2	213 g / 2000 mL	SW9056A	BGL0886	SGL0933	AL30272
BGL0886-MSD2	213 g / 2000 mL	SW9056A	BGL0886	SGL0933	AL30272
BGL0996-BLK1	10.0 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
BGL0996-BLK1	10.0 g / 100 mL	SW9056A	BGL0996	SGL0952	AG30181
BGL0996-BS1	200 g / 2000 mL	SW9056A	BGL0996	SGL0952	AG30181
BGL0996-BS1	200 g / 2000 mL	SW9056A	BGL0996	SGL0952	AG30181
BGL0996-BSD1	200 g / 2000 mL	SW9056A	BGL0996	SGL0952	AG30181
BGL0996-BSD1	200 g / 2000 mL	SW9056A	BGL0996	SGL0952	AG30181
BGL0996-MS1	211 g / 2000 mL	SW9056A	BGL0996	SGL0952	AG30181
BGL0996-MS1	211 g / 2000 mL	SW9056A	BGL0996	SGL0952	AG30181
BGL0996-MS2	212 g / 2000 mL	SW9056A	BGL0996	SGL0952	AG30181
BGL0996-MS2	212 g / 2000 mL	SW9056A	BGL0996	SGL0952	AG30181
BGL0996-MSD1	211 g / 2000 mL	SW9056A	BGL0996	SGL0952	AG30181
BGL0996-MSD1	211 g / 2000 mL	SW9056A	BGL0996	SGL0952	AG30181
BGL0996-MSD2	212 g / 2000 mL	SW9056A	BGL0996	SGL0952	AG30181
BGL0996-MSD2	212 g / 2000 mL	SW9056A	BGL0996	SGL0952	AG30181
BGL0997-BLK1	10.0 g / 100 mL	SW9056A	BGL0997	SGL0952	AG30181
BGL0997-BLK1	10.0 g / 100 mL	SW9056A	BGL0997	SGL0952	AG30181
BGL0997-BS1	200 g / 2000 mL	SW9056A	BGL0997	SGL0952	AG30181
BGL0997-BS1	200 g / 2000 mL	SW9056A	BGL0997	SGL0952	AG30181
BGL0997-BSD1	200 g / 2000 mL	SW9056A	BGL0997	SGL0952	AG30181
BGL0997-BSD1	200 g / 2000 mL	SW9056A	BGL0997	SGL0952	AG30181
BGL0997-MS1	211 g / 2000 mL	SW9056A	BGL0997	SGL0952	AG30181
BGL0997-MS1	211 g / 2000 mL	SW9056A	BGL0997	SGL0952	AG30181

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Ion Chromatography Analyses			**Preparation Method:**	**No Prep IC**	
BGL0997-MSD1	211 g / 2000 mL	SW9056A	BGL0997	SGL0952	AG30181
BGL0997-MSD1	211 g / 2000 mL	SW9056A	BGL0997	SGL0952	AG30181

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Wet Chemistry Analysis			**Preparation Method:**	**No Prep IC-WET**	
BGL0811-BLK1	100 g / 100 mL	SW7199	BGL0811	SGL0775	AL30249
BGL0811-BS1	100 g / 100 mL	SW7199	BGL0811	SGL0775	AL30249
BGL0811-MRL1	100 g / 100 mL	SW7199	BGL0811	SGL0775	AL30249
BGL0811-MS1	2.50 g / 100 mL	SW7199	BGL0811	SGL0775	AL30249
BGL0811-MSD1	2.50 g / 100 mL	SW7199	BGL0811	SGL0775	AL30249
BGL0992-BLK1	100 g / 100 mL	SW7199	BGL0992	SGL0970	AL30249
BGL0992-BS1	100 g / 100 mL	SW7199	BGL0992	SGL0970	AL30249
BGL0992-MRL1	100 g / 100 mL	SW7199	BGL0992	SGL0970	AL30249
BGL0992-MS1	2.50 g / 100 mL	SW7199	BGL0992	SGL0970	AL30249
BGL0992-MSD1	2.51 g / 100 mL	SW7199	BGL0992	SGL0970	AL30249
BGL1088-BLK1	100 g / 100 mL	SW7199	BGL1088	SHA0002	AL30249
BGL1088-BS1	100 g / 100 mL	SW7199	BGL1088	SHA0002	AL30249
BGL1088-MRL1	100 g / 100 mL	SW7199	BGL1088	SHA0002	AL30249
BGL1088-MS1	2.50 g / 100 mL	SW7199	BGL1088	SHA0002	AL30249
BGL1088-MSD1	2.51 g / 100 mL	SW7199	BGL1088	SHA0002	AL30249
BHA0046-BLK1	100 g / 100 mL	SW7199	BHA0046	SHA0062	AL30249
BHA0046-BS1	100 g / 100 mL	SW7199	BHA0046	SHA0062	AL30249
BHA0046-MRL1	100 g / 100 mL	SW7199	BHA0046	SHA0062	AL30249
BHA0046-MS1	2.50 g / 100 mL	SW7199	BHA0046	SHA0062	AL30249
BHA0046-MS2	2.50 g / 100 mL	SW7199	BHA0046	SHA0062	AL30249
BHA0046-MS3	2.50 g / 100 mL	SW7199	BHA0046	SHA0062	AL30249
BHA0046-MSD1	2.50 g / 100 mL	SW7199	BHA0046	SHA0062	AL30249
BHA0093-BLK1	100 g / 100 mL	SW7199	BHA0093	SHA0148	AL30249

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Wet Chemistry Analysis			**Preparation Method:**	**No Prep IC-WET**	
BHA0093-BS1	100 g / 100 mL	SW7199	BHA0093	SHA0148	AL30249
BHA0093-MRL1	100 g / 100 mL	SW7199	BHA0093	SHA0148	AL30249
BHA0093-MS1	2.51 g / 100 mL	SW7199	BHA0093	SHA0148	AL30249
BHA0093-MSD1	2.50 g / 100 mL	SW7199	BHA0093	SHA0148	AL30249
BHA0117-BLK1	100 g / 100 mL	SW7199	BHA0117	SHA0151	AL30249
BHA0117-BS1	100 g / 100 mL	SW7199	BHA0117	SHA0151	AL30249
BHA0117-MRL1	100 g / 100 mL	SW7199	BHA0117	SHA0151	AL30249
BHA0117-MS1	2.50 g / 100 mL	SW7199	BHA0117	SHA0151	AL30249
BHA0117-MS2	2.50 g / 100 mL	SW7199	BHA0117	SHA0151	AL30249
BHA0117-MS3	2.50 g / 100 mL	SW7199	BHA0117	SHA0151	AL30249
BHA0117-MSD1	2.51 g / 100 mL	SW7199	BHA0117	SHA0151	AL30249

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Wet Chemistry Analysis			**Preparation Method:**	**No Prep Wet Chem**	
BGL0587-BLK1	10.0 g / 10.0 mL	SM2540G-2011	BGL0587	SGL0549	
BGL0587-DUP1	10.0 g / 10.0 mL	SM2540G-2011	BGL0587	SGL0549	
BGL0620-BLK1	100 g / 100 mL	SW7199	BGL0620	SGL0671	AL30249
BGL0620-BS1	100 g / 100 mL	SW7199	BGL0620	SGL0671	AL30249
BGL0620-MRL1	100 g / 100 mL	SW7199	BGL0620	SGL0671	AL30249
BGL0620-MS1	2.51 g / 100 mL	SW7199	BGL0620	SGL0671	AL30249
BGL0620-MS2	0.250 g / 10.0 mL	SW7199	BGL0620	SGL0671	AL30249
BGL0620-MS3	0.250 g / 10.0 mL	SW7199	BGL0620	SGL0671	AL30249
BGL0620-MSD1	2.50 g / 100 mL	SW7199	BGL0620	SGL0671	AL30249
BGL0671-BLK1	10.0 g / 10.0 mL	SM2540G-2011	BGL0671	SGL0608	
BGL0671-DUP1	10.0 g / 10.0 mL	SM2540G-2011	BGL0671	SGL0608	
BGL0812-BLK1	10.0 g / 10.0 mL	SM2540G-2011	BGL0812	SGL0749	
BGL0812-DUP1	10.0 g / 10.0 mL	SM2540G-2011	BGL0812	SGL0749	
BGL0874-BLK1	10.0 g / 10.0 mL	SM2540G-2011	BGL0874	SGL0806	

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Wet Chemistry Analysis			**Preparation Method:**	**No Prep Wet Chem**	
BGL0874-DUP1	10.0 g / 10.0 mL	SM2540G-2011	BGL0874	SGL0806	
BGL0927-BLK1	10.0 g / 10.0 mL	SM2540G-2011	BGL0927	SGL0856	
BGL0927-DUP1	10.0 g / 10.0 mL	SM2540G-2011	BGL0927	SGL0856	
BGL0960-BLK1	10.0 g / 10.0 mL	SM2540G-2011	BGL0960	SGL0882	
BGL0960-DUP1	10.0 g / 10.0 mL	SM2540G-2011	BGL0960	SGL0882	
BGL0984-BLK1	6.00 g / 6.00 mL	EPA350.1 R2.0	BGL0984	SGL0890	AL30291
BGL0984-BS1	6.00 g / 6.00 mL	EPA350.1 R2.0	BGL0984	SGL0890	AL30291
BGL0984-MS1	0.0610 g / 6.00 mL	EPA350.1 R2.0	BGL0984	SGL0890	AL30291
BGL0984-MSD1	0.0604 g / 6.00 mL	EPA350.1 R2.0	BGL0984	SGL0890	AL30291
BGL0987-BLK1	10.0 g / 10.0 mL	SM2540G-2011	BGL0987	SGL0894	
BGL0987-DUP1	10.0 g / 10.0 mL	SM2540G-2011	BGL0987	SGL0894	
BGL1039-BLK1	10.0 g / 10.0 mL	SM2540G-2011	BGL1039	SGL0949	
BGL1039-DUP1	10.0 g / 10.0 mL	SM2540G-2011	BGL1039	SGL0949	
BGL1082-BLK1	6.00 g / 6.00 mL	EPA350.1 R2.0	BGL1082	SGL0995	AL30306
BGL1082-BS1	6.00 g / 6.00 mL	EPA350.1 R2.0	BGL1082	SGL0995	AL30306
BGL1082-MS1	0.0608 g / 6.00 mL	EPA350.1 R2.0	BGL1082	SGL0995	AL30306
BGL1082-MS2	0.0606 g / 6.00 mL	EPA350.1 R2.0	BGL1082	SGL0995	AL30306
BGL1082-MSD1	0.0608 g / 6.00 mL	EPA350.1 R2.0	BGL1082	SGL0995	AL30306
BGL1082-MSD2	0.0644 g / 6.00 mL	EPA350.1 R2.0	BGL1082	SGL0995	AL30306
BGL1144-BLK1	6.00 g / 6.00 mL	EPA350.1 R2.0	BGL1144	SGL1055	AL30315
BGL1144-BS1	6.00 g / 6.00 mL	EPA350.1 R2.0	BGL1144	SGL1055	AL30315
BGL1144-MS1	0.0615 g / 6.00 mL	EPA350.1 R2.0	BGL1144	SGL1055	AL30315
BGL1144-MS2	0.0647 g / 6.00 mL	EPA350.1 R2.0	BGL1144	SGL1055	AL30315
BGL1144-MSD1	0.0615 g / 6.00 mL	EPA350.1 R2.0	BGL1144	SGL1055	AL30315
BGL1144-MSD2	0.0647 g / 6.00 mL	EPA350.1 R2.0	BGL1144	SGL1055	AL30315
BHA0026-BLK1	6.00 g / 6.00 mL	EPA350.1 R2.0	BHA0026	SHA0026	AG30242
BHA0026-BS1	6.00 g / 6.00 mL	EPA350.1 R2.0	BHA0026	SHA0026	AG30242
BHA0026-MS1	0.0641 g / 6.00 mL	EPA350.1 R2.0	BHA0026	SHA0026	AG30242

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Wet Chemistry Analysis			**Preparation Method:**	**No Prep Wet Chem**	
BHA0026-MS2	0.0634 g / 6.00 mL	EPA350.1 R2.0	BHA0026	SHA0026	AG30242
BHA0026-MSD1	0.626 g / 6.00 mL	EPA350.1 R2.0	BHA0026	SHA0026	AG30242
BHA0026-MSD2	0.0629 g / 6.00 mL	EPA350.1 R2.0	BHA0026	SHA0026	AG30242
BHA0177-BLK1	6.00 g / 6.00 mL	EPA350.1 R2.0	BHA0177	SHA0189	AA40178
BHA0177-BS1	6.00 g / 6.00 mL	EPA350.1 R2.0	BHA0177	SHA0189	AA40178
BHA0177-MRL1	6.00 g / 6.00 mL	EPA350.1 R2.0	BHA0177	SHA0189	AA40178
BHA0177-MS1	0.0627 g / 6.00 mL	EPA350.1 R2.0	BHA0177	SHA0189	AA40178
BHA0177-MS2	0.0645 g / 6.00 mL	EPA350.1 R2.0	BHA0177	SHA0189	AA40178
BHA0177-MSD1	0.0627 g / 6.00 mL	EPA350.1 R2.0	BHA0177	SHA0189	AA40178
BHA0177-MSD2	0.0645 g / 6.00 mL	EPA350.1 R2.0	BHA0177	SHA0189	AA40178
BHA0179-BLK1	6.00 g / 6.00 mL	EPA350.1 R2.0	BHA0179	SHA0189	AA40178
BHA0179-BS1	6.00 g / 6.00 mL	EPA350.1 R2.0	BHA0179	SHA0189	AA40178
BHA0179-MS1	0.0640 g / 6.00 mL	EPA350.1 R2.0	BHA0179	SHA0189	AA40178
BHA0179-MSD1	0.0640 g / 6.00 mL	EPA350.1 R2.0	BHA0179	SHA0189	AA40178

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Metals (Total) by EPA 6000/7000 Series Methods			**Preparation Method:**	**SW3050B-ICPMS**	
BGL0431-BLK1	1.03 g / 50.0 mL	SW6020B	BGL0431	SGL0607	AL30242
BGL0431-BS1	1.03 g / 50.0 mL	SW6020B	BGL0431	SGL0607	AL30242
BGL0431-MS1	1.03 g / 50.0 mL	SW6020B	BGL0431	SGL0607	AL30242
BGL0431-MS2		SW6020B	BGL0431	SGL0607	AL30242
BGL0431-MS2	1.03 g / 50.0 mL	SW6020B	BGL0431	SGL0607	AL30242
BGL0431-MSD1	1.05 g / 50.0 mL	SW6020B	BGL0431	SGL0607	AL30242
BGL0431-MSD2		SW6020B	BGL0431	SGL0607	AL30242
BGL0431-MSD2	1.05 g / 50.0 mL	SW6020B	BGL0431	SGL0607	AL30242
BGL0574-BLK1	1.08 g / 50.0 mL	SW6020B	BGL0574	SGL0607	AL30242
BGL0574-BS1	1.02 g / 50.0 mL	SW6020B	BGL0574	SGL0607	AL30242
BGL0574-MS1	1.02 g / 50.0 mL	SW6020B	BGL0574	SGL0607	AL30242

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Metals (Total) by EPA 6000/7000 Series Methods			**Preparation Method:**	**SW3050B-ICPMS**	
BGL0574-MS2	1.05 g / 50.0 mL	SW6020B	BGL0574	SGL0607	AL30242
BGL0574-MS3	1.02 g / 50.0 mL	SW6020B	BGL0574	SGL0607	AL30242
BGL0574-MS4		SW6020B	BGL0574	SGL0607	AL30242
BGL0574-MS4	1.05 g / 50.0 mL	SW6020B	BGL0574	SGL0607	AL30242
BGL0574-MSD1	1.04 g / 50.0 mL	SW6020B	BGL0574	SGL0607	AL30242
BGL0574-MSD2	1.02 g / 50.0 mL	SW6020B	BGL0574	SGL0607	AL30242
BGL0574-MSD3	1.04 g / 50.0 mL	SW6020B	BGL0574	SGL0607	AL30242
BGL0574-MSD4		SW6020B	BGL0574	SGL0607	AL30242
BGL0574-MSD4	1.02 g / 50.0 mL	SW6020B	BGL0574	SGL0607	AL30242
BGL0583-BLK1	1.08 g / 50.0 mL	SW6020B	BGL0583	SGL0685	AL30259
BGL0583-BS1	1.05 g / 50.0 mL	SW6020B	BGL0583	SGL0685	AL30259
BGL0583-MS1	1.01 g / 50.0 mL	SW6020B	BGL0583	SGL0685	AL30259
BGL0583-MS2		SW6020B	BGL0583	SGL0723	AL30264
BGL0583-MS2	1.01 g / 50.0 mL	SW6020B	BGL0583	SGL0723	AL30264
BGL0583-MSD1	1.02 g / 50.0 mL	SW6020B	BGL0583	SGL0685	AL30259
BGL0583-MSD2		SW6020B	BGL0583	SGL0723	AL30264
BGL0583-MSD2	1.02 g / 50.0 mL	SW6020B	BGL0583	SGL0723	AL30264
BGL0635-BLK1	1.08 g / 50.0 mL	SW6020B	BGL0635	SGL0685	AL30259
BGL0635-BS1	1.09 g / 50.0 mL	SW6020B	BGL0635	SGL0685	AL30259
BGL0635-MS1	1.02 g / 50.0 mL	SW6020B	BGL0635	SGL0685	AL30259
BGL0635-MS2		SW6020B	BGL0635	SGL0685	AL30259
BGL0635-MS2	1.02 g / 50.0 mL	SW6020B	BGL0635	SGL0685	AL30259
BGL0635-MSD1	1.02 g / 50.0 mL	SW6020B	BGL0635	SGL0685	AL30259
BGL0635-MSD2		SW6020B	BGL0635	SGL0685	AL30259
BGL0635-MSD2	1.02 g / 50.0 mL	SW6020B	BGL0635	SGL0685	AL30259
BGL0833-BLK1	1.04 g / 50.0 mL	SW6020B	BGL0833	SGL0977	AL30303
BGL0833-BS1	1.01 g / 50.0 mL	SW6020B	BGL0833	SGL0977	AL30303
BGL0833-BS2	1.01 g / 50.0 mL	SW6020B	BGL0833	SHA0068	AA40156
BGL0833-MS1	1.06 g / 50.0 mL	SW6020B	BGL0833	SGL0977	AL30303

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Metals (Total) by EPA 6000/7000 Series Methods			**Preparation Method:**	**SW3050B-ICPMS**	
BGL0833-MS2	1.06 g / 50.0 mL	SW6020B	BGL0833	SHA0068	AA40156
BGL0833-MSD1	1.01 g / 50.0 mL	SW6020B	BGL0833	SGL0977	AL30303
BGL0833-MSD2	1.01 g / 50.0 mL	SW6020B	BGL0833	SHA0068	AA40156
BGL1049-BLK1	1.05 g / 50.0 mL	SW6020B	BGL1049	SHA0147	AA40171
BGL1049-BS1	1.08 g / 50.0 mL	SW6020B	BGL1049	SHA0147	AA40171
BGL1049-MS1	1.01 g / 50.0 mL	SW6020B	BGL1049	SHA0147	AA40171
BGL1049-MS2	1.01 g / 50.0 mL	SW6020B	BGL1049	SHA0147	AA40171
BGL1049-MSD1	1.01 g / 50.0 mL	SW6020B	BGL1049	SHA0147	AA40171
BGL1049-MSD2	1.01 g / 50.0 mL	SW6020B	BGL1049	SHA0147	AA40171
BGL1050-BLK1	1.03 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
BGL1050-BS1	1.03 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
BGL1050-MS1	1.02 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
BGL1050-MS2	1.02 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
BGL1050-MSD1	1.01 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175
BGL1050-MSD2	1.01 g / 50.0 mL	SW6020B	BGL1050	SHA0168	AA40175

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Semivolatile Organic Compounds by GCMS			**Preparation Method:**	**SW3550C/EPA600-MS**	
BGL0645-BLK1	30.6 g / 1.00 mL	SW8270E	BGL0645	SGL0709	AL30202
BGL0645-BLK2		SW8270E	BGL0645	SGL0707	AL30228
BGL0645-BS1	30.2 g / 1.00 mL	SW8270E	BGL0645	SGL0709	AL30202
BGL0645-BS2		SW8270E	BGL0645	SGL0707	AL30228
BGL0645-MS1	30.0 g / 1.00 mL	SW8270E	BGL0645	SGL0709	AL30202
BGL0645-MS2		SW8270E	BGL0645	SGL0707	AL30228
BGL0645-MSD1	30.0 g / 1.00 mL	SW8270E	BGL0645	SGL0709	AL30202
BGL0645-MSD2		SW8270E	BGL0645	SGL0707	AL30228
BGL0645-BLK1		SW8270E SIM	BGL0645	SGL0709	AL30202
BGL0645-BLK2	30.0 g / 1.00 mL	SW8270E SIM	BGL0645	SGL0707	AL30228

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Semivolatile Organic Compounds by GCMS			**Preparation Method:**	**SW3550C/EPA600-MS**	
BGL0645-BS1		SW8270E SIM	BGL0645	SGL0709	AL30202
BGL0645-BS2	30.9 g / 1.00 mL	SW8270E SIM	BGL0645	SGL0707	AL30228
BGL0645-MS1		SW8270E SIM	BGL0645	SGL0709	AL30202
BGL0645-MS2	30.0 g / 1.00 mL	SW8270E SIM	BGL0645	SGL0707	AL30228
BGL0645-MSD1		SW8270E SIM	BGL0645	SGL0709	AL30202
BGL0645-MSD2	30.0 g / 1.00 mL	SW8270E SIM	BGL0645	SGL0707	AL30228
BGL0670-BLK1	30.3 g / 1.00 mL	SW8270E	BGL0670	SGL0652	AK30271
BGL0670-BLK2		SW8270E	BGL0670	SGL0707	AL30228
BGL0670-BS1	30.6 g / 1.00 mL	SW8270E	BGL0670	SGL0652	AK30271
BGL0670-BS2		SW8270E	BGL0670	SGL0707	AL30228
BGL0670-MS1	30.1 g / 1.00 mL	SW8270E	BGL0670	SGL0652	AK30271
BGL0670-MS2		SW8270E	BGL0670	SGL0707	AL30228
BGL0670-MSD1	30.6 g / 1.00 mL	SW8270E	BGL0670	SGL0652	AK30271
BGL0670-MSD2		SW8270E	BGL0670	SGL0833	AL30228
BGL0670-BLK1		SW8270E SIM	BGL0670	SGL0652	AK30271
BGL0670-BLK2	30.0 g / 1.00 mL	SW8270E SIM	BGL0670	SGL0707	AL30228
BGL0670-BS1		SW8270E SIM	BGL0670	SGL0652	AK30271
BGL0670-BS2	30.7 g / 1.00 mL	SW8270E SIM	BGL0670	SGL0707	AL30228
BGL0670-MS1		SW8270E SIM	BGL0670	SGL0652	AK30271
BGL0670-MS2	30.0 g / 1.00 mL	SW8270E SIM	BGL0670	SGL0707	AL30228
BGL0670-MSD1		SW8270E SIM	BGL0670	SGL0652	AK30271
BGL0670-MSD2	30.0 g / 1.00 mL	SW8270E SIM	BGL0670	SGL0833	AL30228
BGL0784-BLK1	30.3 g / 1.00 mL	SW8270E	BGL0784	SGL0842	AK30271
BGL0784-BLK2		SW8270E	BGL0784	SGL0833	AL30228
BGL0784-BS1	30.0 g / 1.00 mL	SW8270E	BGL0784	SGL0825	AL30202
BGL0784-BS2		SW8270E	BGL0784	SGL0833	AL30228
BGL0784-MS1	30.4 g / 1.00 mL	SW8270E	BGL0784	SGL0825	AL30202
BGL0784-MS2		SW8270E	BGL0784	SGL0833	AL30228
BGL0784-MSD1	30.6 g / 1.00 mL	SW8270E	BGL0784	SGL0825	AL30202
BGL0784-MSD2		SW8270E	BGL0784	SGL0833	AL30228

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Semivolatile Organic Compounds by GCMS			**Preparation Method:**	**SW3550C/EPA600-MS**	
BGL0784-BLK1		SW8270E SIM	BGL0784	SGL0842	AK30271
BGL0784-BLK2	30.0 g / 1.00 mL	SW8270E SIM	BGL0784	SGL0833	AL30228
BGL0784-BS1		SW8270E SIM	BGL0784	SGL0825	AL30202
BGL0784-BS2	30.0 g / 1.00 mL	SW8270E SIM	BGL0784	SGL0833	AL30228
BGL0784-MS1		SW8270E SIM	BGL0784	SGL0825	AL30202
BGL0784-MS2	30.0 g / 1.00 mL	SW8270E SIM	BGL0784	SGL0833	AL30228
BGL0784-MSD1		SW8270E SIM	BGL0784	SGL0825	AL30202
BGL0784-MSD2	30.0 g / 1.00 mL	SW8270E SIM	BGL0784	SGL0833	AL30228
BGL0913-BLK1	30.1 g / 1.00 mL	SW8270E	BGL0913	SGL0921	AK30271
BGL0913-BLK2		SW8270E	BGL0913	SGL0880	AL30228
BGL0913-BS1	30.4 g / 1.00 mL	SW8270E	BGL0913	SGL0921	AK30271
BGL0913-BS2		SW8270E	BGL0913	SGL0880	AL30228
BGL0913-MS1	30.2 g / 1.00 mL	SW8270E	BGL0913	SGL0921	AK30271
BGL0913-MS2		SW8270E	BGL0913	SGL0880	AL30228
BGL0913-MSD1	30.4 g / 1.00 mL	SW8270E	BGL0913	SGL0921	AK30271
BGL0913-MSD2		SW8270E	BGL0913	SGL0880	AL30228
BGL0913-BLK1		SW8270E SIM	BGL0913	SGL0921	AK30271
BGL0913-BLK2	30.0 g / 1.00 mL	SW8270E SIM	BGL0913	SGL0880	AL30228
BGL0913-BS1		SW8270E SIM	BGL0913	SGL0921	AK30271
BGL0913-BS2	30.1 g / 1.00 mL	SW8270E SIM	BGL0913	SGL0880	AL30228
BGL0913-MS1		SW8270E SIM	BGL0913	SGL0921	AK30271
BGL0913-MS2	30.0 g / 1.00 mL	SW8270E SIM	BGL0913	SGL0880	AL30228
BGL0913-MSD1		SW8270E SIM	BGL0913	SGL0921	AK30271
BGL0913-MSD2	30.0 g / 1.00 mL	SW8270E SIM	BGL0913	SGL0880	AL30228
BGL0962-BLK1	30.1 g / 1.00 mL	SW8270E	BGL0962	SGL1019	AL30202
BGL0962-BLK2		SW8270E	BGL0962	SGL0914	AL30228
BGL0962-BS1	30.1 g / 1.00 mL	SW8270E	BGL0962	SGL1019	AL30202
BGL0962-BS2		SW8270E	BGL0962	SGL0914	AL30228
BGL0962-MS1	30.8 g / 1.00 mL	SW8270E	BGL0962	SGL1019	AL30202
BGL0962-MS2		SW8270E	BGL0962	SGL0914	AL30228

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Semivolatile Organic Compounds by GCMS			**Preparation Method:**	**SW3550C/EPA600-MS**	
BGL0962-MSD1	30.5 g / 1.00 mL	SW8270E	BGL0962	SGL1019	AL30202
BGL0962-MSD2		SW8270E	BGL0962	SGL0914	AL30228
BGL0962-BLK1		SW8270E SIM	BGL0962	SGL1019	AL30202
BGL0962-BLK2	30.0 g / 1.00 mL	SW8270E SIM	BGL0962	SGL0914	AL30228
BGL0962-BS1		SW8270E SIM	BGL0962	SGL1019	AL30202
BGL0962-BS2	30.1 g / 1.00 mL	SW8270E SIM	BGL0962	SGL0914	AL30228
BGL0962-MS1		SW8270E SIM	BGL0962	SGL1019	AL30202
BGL0962-MS2	30.0 g / 1.00 mL	SW8270E SIM	BGL0962	SGL0914	AL30228
BGL0962-MSD1		SW8270E SIM	BGL0962	SGL1019	AL30202
BGL0962-MSD2	30.0 g / 1.00 mL	SW8270E SIM	BGL0962	SGL0914	AL30228
BGL1076-BLK1	30.0 g / 1.00 mL	SW8270E	BGL1076	SGL1065	AL30202
BGL1076-BLK2		SW8270E	BGL1076	SHA0006	AL30228
BGL1076-BS1	30.5 g / 1.00 mL	SW8270E	BGL1076	SGL1065	AL30202
BGL1076-BS2		SW8270E	BGL1076	SHA0006	AL30228
BGL1076-MS1	30.1 g / 1.00 mL	SW8270E	BGL1076	SGL1065	AL30202
BGL1076-MS2		SW8270E	BGL1076	SHA0006	AL30228
BGL1076-MSD1	30.5 g / 1.00 mL	SW8270E	BGL1076	SGL1065	AL30202
BGL1076-MSD2		SW8270E	BGL1076	SHA0006	AL30228
BGL1076-BLK1		SW8270E SIM	BGL1076	SGL1065	AL30202
BGL1076-BLK2	30.0 g / 1.00 mL	SW8270E SIM	BGL1076	SHA0006	AL30228
BGL1076-BS1		SW8270E SIM	BGL1076	SGL1065	AL30202
BGL1076-BS2	30.0 g / 1.00 mL	SW8270E SIM	BGL1076	SHA0006	AL30228
BGL1076-MS1		SW8270E SIM	BGL1076	SGL1065	AL30202
BGL1076-MS2	30.0 g / 1.00 mL	SW8270E SIM	BGL1076	SHA0006	AL30228
BGL1076-MSD1		SW8270E SIM	BGL1076	SGL1065	AL30202
BGL1076-MSD2	30.0 g / 1.00 mL	SW8270E SIM	BGL1076	SHA0006	AL30228

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Volatile Organic Compounds by GCMS			**Preparation Method:**	**SW5030B-MS**	

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Volatile Organic Compounds by GCMS			**Preparation Method:**	**SW5030B-MS**	
BGL0454-BLK1	5.00 mL / 5.00 mL	SW8260D	BGL0454	SGL0452	AL30176
BGL0454-BS1	5.00 mL / 5.00 mL	SW8260D	BGL0454	SGL0452	AL30176
BGL0454-MS1	5.00 mL / 5.00 mL	SW8260D	BGL0454	SGL0452	AL30176
BGL0454-MSD1	5.00 mL / 5.00 mL	SW8260D	BGL0454	SGL0452	AL30176
BGL0544-BLK1	5.00 mL / 5.00 mL	SW8260D	BGL0544	SGL0521	AJ30322
BGL0544-BS1	5.00 mL / 5.00 mL	SW8260D	BGL0544	SGL0521	AJ30322
BGL0544-DUP1	5.00 mL / 5.00 mL	SW8260D	BGL0544	SGL0521	AJ30322
BGL0544-MS1	5.00 mL / 5.00 mL	SW8260D	BGL0544	SGL0521	AJ30322
BGL0600-BLK1	5.00 mL / 5.00 mL	SW8260D	BGL0600	SGL0577	AL30176
BGL0600-BS1	5.00 mL / 5.00 mL	SW8260D	BGL0600	SGL0577	AL30176
BGL0600-MS1	5.00 mL / 5.00 mL	SW8260D	BGL0600	SGL0577	AL30176
BGL0600-MSD1	5.00 mL / 5.00 mL	SW8260D	BGL0600	SGL0577	AL30176
BGL0601-BLK1	5.00 mL / 5.00 mL	SW8260D	BGL0601	SGL0580	AJ30373
BGL0601-BS1	5.00 mL / 5.00 mL	SW8260D	BGL0601	SGL0580	AJ30373
BGL0601-MS1	5.00 mL / 5.00 mL	SW8260D	BGL0601	SGL0580	AJ30373
BGL0601-MSD1	5.00 mL / 5.00 mL	SW8260D	BGL0601	SGL0580	AJ30373
BGL0739-BLK1	5.00 mL / 5.00 mL	SW8260D	BGL0739	SGL0676	AJ30373
BGL0739-BS1	5.00 mL / 5.00 mL	SW8260D	BGL0739	SGL0676	AJ30373
BGL0739-MS1	5.00 mL / 5.00 mL	SW8260D	BGL0739	SGL0676	AJ30373
BGL0739-MSD1	5.00 mL / 5.00 mL	SW8260D	BGL0739	SGL0676	AJ30373
BGL0851-BLK1	5.00 mL / 5.00 mL	SW8260D	BGL0851	SGL0795	AJ30373
BGL0851-BS1	5.00 mL / 5.00 mL	SW8260D	BGL0851	SGL0795	AJ30373
BGL0851-DUP1	5.00 mL / 5.00 mL	SW8260D	BGL0851	SGL0795	AJ30373
BGL0851-MS1	5.00 mL / 5.00 mL	SW8260D	BGL0851	SGL0795	AJ30373
BGL0921-BLK1	5.00 mL / 5.00 mL	SW8260D	BGL0921	SGL0854	AL30176
BGL0921-BS1	5.00 mL / 5.00 mL	SW8260D	BGL0921	SGL0854	AL30176
BGL0921-MS1	5.00 mL / 5.00 mL	SW8260D	BGL0921	SGL0854	AL30176
BGL0921-MSD1	5.00 mL / 5.00 mL	SW8260D	BGL0921	SGL0854	AL30176

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Volatile Organic Compounds by GCMS			**Preparation Method:**	**SW5030B-MS**	
BGL0967-BLK1	5.00 mL / 5.00 mL	SW8260D	BGL0967	SGL0899	AL30176
BGL0967-BLK2	5.00 mL / 5.00 mL	SW8260D	BGL0967	SGL0899	AL30176
BGL0967-BS1	5.00 mL / 5.00 mL	SW8260D	BGL0967	SGL0899	AL30176
BGL0967-BS2	5.00 mL / 5.00 mL	SW8260D	BGL0967	SGL0899	AL30176
BGL0967-MS1	0.250 mL / 5.00 mL	SW8260D	BGL0967	SGL0899	AL30176
BGL0967-MSD1	0.250 mL / 5.00 mL	SW8260D	BGL0967	SGL0899	AL30176

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Volatile Organic Compounds by GCMS			**Preparation Method:**	**SW5035-MS**	
BGL0451-BLK1	5.00 g / 5.00 mL	SW8260D	BGL0451	SGL0455	AG30233
BGL0451-BS1	5.00 g / 5.00 mL	SW8260D	BGL0451	SGL0455	AG30233
BGL0451-DUP1	5.44 g / 5.00 mL	SW8260D	BGL0451	SGL0455	AG30233
BGL0539-BLK1	5.00 g / 5.00 mL	SW8260D	BGL0539	SGL0522	AG30233
BGL0539-BS1	5.00 g / 5.00 mL	SW8260D	BGL0539	SGL0522	AG30233
BGL0539-MS1	4.99 g / 5.00 mL	SW8260D	BGL0539	SGL0522	AG30233
BGL0539-MSD1	5.13 g / 5.00 mL	SW8260D	BGL0539	SGL0522	AG30233
BGL0602-BLK1	5.00 g / 5.00 mL	SW8260D	BGL0602	SGL0578	AG30233
BGL0602-BS1	5.00 g / 5.00 mL	SW8260D	BGL0602	SGL0578	AG30233
BGL0602-DUP1	5.82 g / 5.00 mL	SW8260D	BGL0602	SGL0578	AG30233
BGL0754-BLK1	5.00 g / 5.00 mL	SW8260D	BGL0754	SGL0695	AL30261
BGL0754-BS1	5.00 g / 5.00 mL	SW8260D	BGL0754	SGL0695	AL30261
BGL0754-DUP1	4.93 g / 5.00 mL	SW8260D	BGL0754	SGL0695	AL30261
BGL0853-BLK1	5.00 g / 5.00 mL	SW8260D	BGL0853	SGL0796	AL30261
BGL0853-BS1	5.00 g / 5.00 mL	SW8260D	BGL0853	SGL0796	AL30261
BGL0853-DUP1	5.49 g / 5.00 mL	SW8260D	BGL0853	SGL0796	AL30261
BGL0919-BLK1	5.00 g / 5.00 mL	SW8260D	BGL0919	SGL0852	AL30261
BGL0919-BS1	5.00 g / 5.00 mL	SW8260D	BGL0919	SGL0852	AL30261
BGL0919-DUP1	6.05 g / 5.00 mL	SW8260D	BGL0919	SGL0852	AL30261

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Volatile Organic Compounds by GCMS			**Preparation Method:**	**SW5035-MS**	
BGL0969-BLK1	5.00 g / 5.00 mL	SW8260D	BGL0969	SGL0898	AL30261
BGL0969-BS1	5.00 g / 5.00 mL	SW8260D	BGL0969	SGL0898	AL30261
BGL0969-DUP1	5.96 g / 5.00 mL	SW8260D	BGL0969	SGL0898	AL30261
BGL1028-BLK1	5.00 g / 5.00 mL	SW8260D	BGL1028	SGL0943	AL30176
BGL1028-BS1	5.00 g / 5.00 mL	SW8260D	BGL1028	SGL0943	AL30176
BGL1028-DUP1	6.17 g / 5.00 mL	SW8260D	BGL1028	SGL0943	AL30176

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Metals (Total) by EPA 6000/7000 Series Methods			**Preparation Method:**	**SW7471B**	
BGL0565-BLK1	0.512 g / 20.0 mL	SW7471B	BGL0565	SGL0557	AL30235
BGL0565-BS1		SW7471B	BGL0565	SGL0557	AL30235
BGL0565-MRL1		SW7471B	BGL0565	SGL0557	AL30235
BGL0565-MS1	0.505 g / 20.0 mL	SW7471B	BGL0565	SGL0557	AL30235
BGL0565-MSD1	0.511 g / 20.0 mL	SW7471B	BGL0565	SGL0557	AL30235
BGL0767-BLK1	0.513 g / 20.0 mL	SW7471B	BGL0767	SGL0731	AL30265
BGL0767-BS1	0.517 g / 20.0 mL	SW7471B	BGL0767	SGL0731	AL30265
BGL0767-MS1	0.506 g / 20.0 mL	SW7471B	BGL0767	SGL0731	AL30265
BGL0767-MSD1	0.503 g / 20.0 mL	SW7471B	BGL0767	SGL0731	AL30265
BGL0768-BLK1	0.514 g / 20.0 mL	SW7471B	BGL0768	SGL0731	AL30265
BGL0768-BS1	0.506 g / 20.0 mL	SW7471B	BGL0768	SGL0731	AL30265
BGL0768-MS1	0.501 g / 20.0 mL	SW7471B	BGL0768	SGL0731	AL30265
BGL0768-MSD1	0.500 g / 20.0 mL	SW7471B	BGL0768	SGL0731	AL30265
BGL0844-BLK1	0.513 g / 20.0 mL	SW7471B	BGL0844	SGL0780	AL30273
BGL0844-BS1	0.503 g / 20.0 mL	SW7471B	BGL0844	SGL0780	AL30273
BGL0844-MS1	0.518 g / 20.0 mL	SW7471B	BGL0844	SGL0780	AL30273
BGL0844-MSD1	0.513 g / 20.0 mL	SW7471B	BGL0844	SGL0780	AL30273
BHA0160-BLK1	0.507 g / 20.0 mL	SW7471B	BHA0160	SHA0180	AA40176

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Metals (Total) by EPA 6000/7000 Series Methods			**Preparation Method:**	**SW7471B**	
BHA0160-BS1	0.519 g / 20.0 mL	SW7471B	BHA0160	SHA0180	AA40176
BHA0160-MS1	0.534 g / 20.0 mL	SW7471B	BHA0160	SHA0180	AA40176
BHA0160-MS2	0.534 g / 20.0 mL	SW7471B	BHA0160	SHA0180	AA40176
BHA0160-MSD1	0.545 g / 20.0 mL	SW7471B	BHA0160	SHA0180	AA40176
BHA0160-MSD2	0.545 g / 20.0 mL	SW7471B	BHA0160	SHA0180	AA40176
BHA0204-BLK1	0.560 g / 20.0 mL	SW7471B	BHA0204	SHA0219	AA40184
BHA0204-BS1	0.520 g / 20.0 mL	SW7471B	BHA0204	SHA0219	AA40184
BHA0204-MS1	0.539 g / 20.0 mL	SW7471B	BHA0204	SHA0219	AA40184
BHA0204-MS2	0.514 g / 20.0 mL	SW7471B	BHA0204	SHA0219	AA40184
BHA0204-MSD1	0.525 g / 20.0 mL	SW7471B	BHA0204	SHA0219	AA40184
BHA0204-MSD2	0.517 g / 20.0 mL	SW7471B	BHA0204	SHA0219	AA40184

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Certified Analyses included in this Report

Analyte	Certifications
EPA350.1 R2.0 in Solids	
Ammonia as N	VELAP
SW6020B in Solids	
Antimony	VELAP,PADEP
Arsenic	VELAP,PADEP
Barium	VELAP,PADEP
Beryllium	VELAP,PADEP
Cadmium	VELAP,PADEP
Chromium	VELAP,PADEP
Cobalt	VELAP,PADEP
Copper	VELAP,PADEP
Lead	VELAP,PADEP
Manganese	VELAP,PADEP
Nickel	VELAP,PADEP
Selenium	VELAP,PADEP
Silver	VELAP,PADEP
Thallium	VELAP,PADEP
Vanadium	VELAP,PADEP
Zinc	VELAP,PADEP
SW7199 in Solids	
Chromium, Hexavalent	NCDEQ,VELAP
SW7471B in Solids	
Mercury	VELAP,PADEP,NCDEQ,WVDEP
SW8260D in Non-Potable Water	
1,1,1,2-Tetrachloroethane	VELAP,NCDEQ,PADEP,WVDEP
1,1,1-Trichloroethane	VELAP,NCDEQ,PADEP,WVDEP

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Certified Analyses included in this Report

Analyte	Certifications
1,1,2,2-Tetrachloroethane	VELAP,NCDEQ,PADEP,WVDEP
1,1,2-Trichloroethane	VELAP,NCDEQ,PADEP,WVDEP
1,1-Dichloroethane	VELAP,NCDEQ,PADEP,WVDEP
1,1-Dichloroethylene	VELAP,NCDEQ,PADEP,WVDEP
1,1-Dichloropropene	VELAP,NCDEQ,PADEP,WVDEP
1,2,3-Trichlorobenzene	VELAP,NCDEQ,PADEP,WVDEP
1,2,3-Trichloropropane	VELAP,NCDEQ,PADEP,WVDEP
1,2,4-Trichlorobenzene	VELAP,NCDEQ,PADEP,WVDEP
1,2,4-Trimethylbenzene	VELAP,NCDEQ,PADEP,WVDEP
1,2-Dibromo-3-chloropropane (DBCP)	VELAP,NCDEQ,PADEP,WVDEP
1,2-Dibromoethane (EDB)	VELAP,NCDEQ,PADEP,WVDEP
1,2-Dichlorobenzene	VELAP,NCDEQ,PADEP,WVDEP
1,2-Dichloroethane	VELAP,NCDEQ,PADEP,WVDEP
1,2-Dichloropropane	VELAP,NCDEQ,PADEP,WVDEP
1,3,5-Trimethylbenzene	VELAP,NCDEQ,PADEP,WVDEP
1,3-Dichlorobenzene	VELAP,NCDEQ,PADEP,WVDEP
1,3-Dichloropropane	VELAP,NCDEQ,PADEP,WVDEP
1,4-Dichlorobenzene	VELAP,NCDEQ,PADEP,WVDEP
2,2-Dichloropropane	VELAP,NCDEQ,PADEP,WVDEP
2-Butanone (MEK)	VELAP,NCDEQ,PADEP,WVDEP
2-Chlorotoluene	VELAP,NCDEQ,PADEP,WVDEP
2-Hexanone (MBK)	VELAP,NCDEQ,PADEP,WVDEP
4-Chlorotoluene	VELAP,NCDEQ,PADEP,WVDEP
4-Isopropyltoluene	VELAP,NCDEQ,PADEP,WVDEP
4-Methyl-2-pentanone (MIBK)	VELAP,NCDEQ,PADEP,WVDEP
Acetone	VELAP,NCDEQ,PADEP,WVDEP
Benzene	VELAP,NCDEQ,PADEP,WVDEP
Bromobenzene	VELAP,NCDEQ,PADEP,WVDEP

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Certified Analyses included in this Report

Analyte	Certifications
Bromochloromethane	VELAP,NCDEQ,PADEP,WVDEP
Bromodichloromethane	VELAP,NCDEQ,PADEP,WVDEP
Bromoform	VELAP,NCDEQ,PADEP,WVDEP
Bromomethane	VELAP,NCDEQ,PADEP,WVDEP
Carbon disulfide	VELAP,NCDEQ,PADEP,WVDEP
Carbon tetrachloride	VELAP,NCDEQ,PADEP,WVDEP
Chlorobenzene	VELAP,NCDEQ,PADEP,WVDEP
Chloroethane	VELAP,NCDEQ,PADEP,WVDEP
Chloroform	VELAP,NCDEQ,PADEP,WVDEP
Chloromethane	VELAP,NCDEQ,PADEP,WVDEP
cis-1,2-Dichloroethylene	VELAP,NCDEQ,PADEP,WVDEP
cis-1,3-Dichloropropene	VELAP,NCDEQ,PADEP,WVDEP
Dibromochloromethane	VELAP,NCDEQ,PADEP,WVDEP
Dibromomethane	VELAP,NCDEQ,PADEP,WVDEP
Dichlorodifluoromethane	VELAP,NCDEQ,PADEP,WVDEP
Di-isopropyl ether (DIPE)	VELAP,NCDEQ,PADEP,WVDEP
Ethylbenzene	VELAP,NCDEQ,PADEP,WVDEP
Hexachlorobutadiene	VELAP,NCDEQ,PADEP,WVDEP
Iodomethane	VELAP,NCDEQ,PADEP,WVDEP
Isopropylbenzene	VELAP,NCDEQ,PADEP,WVDEP
m+p-Xylenes	VELAP,NCDEQ,PADEP,WVDEP
Methylene chloride	VELAP,NCDEQ,PADEP,WVDEP
Methyl-t-butyl ether (MTBE)	VELAP,NCDEQ,PADEP,WVDEP
Naphthalene	VELAP,NCDEQ,PADEP,WVDEP
n-Butylbenzene	VELAP,NCDEQ,PADEP,WVDEP
n-Propylbenzene	VELAP,NCDEQ,PADEP,WVDEP
o-Xylene	VELAP,NCDEQ,PADEP,WVDEP
sec-Butylbenzene	VELAP,NCDEQ,PADEP,WVDEP

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(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh

Date Issued: 1/8/2024 5:19:06PM

Client Site I.D.: Southside Park Landfill

Submitted To: Tom Raymond

Certified Analyses included in this Report

Analyte	Certifications
Styrene	VELAP,NCDEQ,PADEP,WVDEP
tert-Butylbenzene	VELAP,NCDEQ,PADEP,WVDEP
Tetrachloroethylene (PCE)	VELAP,NCDEQ,PADEP,WVDEP
Toluene	VELAP,NCDEQ,PADEP,WVDEP
trans-1,2-Dichloroethylene	VELAP,NCDEQ,PADEP,WVDEP
trans-1,3-Dichloropropene	VELAP,NCDEQ,PADEP,WVDEP
Trichloroethylene	VELAP,NCDEQ,PADEP,WVDEP
Trichlorofluoromethane	VELAP,NCDEQ,PADEP,WVDEP
Vinyl acetate	VELAP,NCDEQ,PADEP,WVDEP
Vinyl chloride	VELAP,NCDEQ,PADEP,WVDEP
Xylenes, Total	VELAP,NCDEQ,PADEP,WVDEP
SW8260D in Solids	
1,1,1,2-Tetrachloroethane	VELAP,PADEP,NCDEQ,WVDEP
1,1,1-Trichloroethane	VELAP,PADEP,NCDEQ,WVDEP
1,1,2,2-Tetrachloroethane	VELAP,PADEP,NCDEQ,WVDEP
1,1,2-Trichloroethane	VELAP,PADEP,NCDEQ,WVDEP
1,1-Dichloroethane	VELAP,PADEP,NCDEQ,WVDEP
1,1-Dichloroethylene	VELAP,PADEP,NCDEQ,WVDEP
1,1-Dichloropropene	VELAP,PADEP,NCDEQ,WVDEP
1,2,3-Trichlorobenzene	VELAP,PADEP,NCDEQ,WVDEP
1,2,3-Trichloropropane	VELAP,PADEP,NCDEQ,WVDEP
1,2,4-Trichlorobenzene	VELAP,PADEP,NCDEQ,WVDEP
1,2,4-Trimethylbenzene	VELAP,PADEP,NCDEQ,WVDEP
1,2-Dibromo-3-chloropropane (DBCP)	VELAP,PADEP,NCDEQ,WVDEP
1,2-Dibromoethane (EDB)	VELAP,PADEP,NCDEQ,WVDEP
1,2-Dichlorobenzene	VELAP,PADEP,NCDEQ,WVDEP
1,2-Dichloroethane	VELAP,PADEP,NCDEQ,WVDEP
1,2-Dichloropropane	VELAP,PADEP,NCDEQ,WVDEP

Enthalpy Analytical
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Client Name: S&ME - Raleigh

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Client Site I.D.: Southside Park Landfill

Submitted To: Tom Raymond

Certified Analyses included in this Report

Analyte	Certifications
1,3,5-Trimethylbenzene	VELAP,PADEP,NCDEQ,WVDEP
1,3-Dichlorobenzene	VELAP,PADEP,NCDEQ,WVDEP
1,3-Dichloropropane	VELAP,PADEP,NCDEQ,WVDEP
1,4-Dichlorobenzene	VELAP,PADEP,NCDEQ,WVDEP
2,2-Dichloropropane	VELAP,PADEP,NCDEQ,WVDEP
2-Butanone (MEK)	VELAP,PADEP,NCDEQ,WVDEP
2-Chlorotoluene	VELAP,PADEP,NCDEQ,WVDEP
2-Hexanone (MBK)	VELAP,PADEP,NCDEQ,WVDEP
4-Chlorotoluene	VELAP,PADEP,NCDEQ,WVDEP
4-Isopropyltoluene	VELAP,PADEP,NCDEQ,WVDEP
4-Methyl-2-pentanone (MIBK)	VELAP,PADEP,NCDEQ,WVDEP
Acetone	VELAP,PADEP,NCDEQ,WVDEP
Benzene	VELAP,PADEP,NCDEQ,WVDEP
Bromobenzene	VELAP,PADEP,NCDEQ,WVDEP
Bromochloromethane	VELAP,PADEP,NCDEQ,WVDEP
Bromodichloromethane	VELAP,PADEP,NCDEQ,WVDEP
Bromoform	VELAP,PADEP,NCDEQ,WVDEP
Bromomethane	VELAP,PADEP,NCDEQ,WVDEP
Carbon disulfide	VELAP,PADEP,NCDEQ,WVDEP
Carbon tetrachloride	VELAP,PADEP,NCDEQ,WVDEP
Chlorobenzene	VELAP,PADEP,NCDEQ,WVDEP
Chloroethane	VELAP,PADEP,NCDEQ,WVDEP
Chloroform	VELAP,PADEP,NCDEQ,WVDEP
Chloromethane	VELAP,PADEP,NCDEQ,WVDEP
cis-1,2-Dichloroethylene	VELAP,PADEP,NCDEQ,WVDEP
cis-1,3-Dichloropropene	VELAP,PADEP,NCDEQ,WVDEP
Dibromochloromethane	VELAP,PADEP,NCDEQ,WVDEP
Dibromomethane	VELAP,PADEP,NCDEQ,WVDEP

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Client Site I.D.: Southside Park Landfill

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Certified Analyses included in this Report

Analyte	Certifications
Dichlorodifluoromethane	VELAP,PADEP,NCDEQ,WVDEP
Di-isopropyl ether (DIPE)	VELAP,PADEP,NCDEQ,WVDEP
Ethylbenzene	VELAP,PADEP,NCDEQ,WVDEP
Hexachlorobutadiene	VELAP,PADEP,NCDEQ,WVDEP
Iodomethane	VELAP,PADEP,NCDEQ,WVDEP
Isopropylbenzene	VELAP,PADEP,NCDEQ,WVDEP
m+p-Xylenes	VELAP,PADEP,NCDEQ,WVDEP
Methylene chloride	VELAP,PADEP,NCDEQ,WVDEP
Methyl-t-butyl ether (MTBE)	VELAP,PADEP,NCDEQ,WVDEP
Naphthalene	VELAP,PADEP,NCDEQ,WVDEP
n-Butylbenzene	VELAP,PADEP,NCDEQ,WVDEP
n-Propylbenzene	VELAP,PADEP,NCDEQ,WVDEP
o-Xylene	VELAP,PADEP,NCDEQ,WVDEP
sec-Butylbenzene	VELAP,PADEP,NCDEQ,WVDEP
Styrene	VELAP,PADEP,NCDEQ,WVDEP
tert-Butylbenzene	VELAP,PADEP,NCDEQ,WVDEP
Tetrachloroethylene (PCE)	VELAP,PADEP,NCDEQ,WVDEP
Toluene	VELAP,PADEP,NCDEQ,WVDEP
trans-1,2-Dichloroethylene	VELAP,PADEP,NCDEQ,WVDEP
trans-1,3-Dichloropropene	VELAP,PADEP,NCDEQ,WVDEP
Trichloroethylene	VELAP,PADEP,NCDEQ,WVDEP
Trichlorofluoromethane	VELAP,PADEP,NCDEQ,WVDEP
Vinyl acetate	VELAP,PADEP,NCDEQ,WVDEP
Vinyl chloride	VELAP,PADEP,NCDEQ,WVDEP
Xylenes, Total	VELAP,PADEP,NCDEQ,WVDEP
Dibromofluoromethane (Surr)	VELAP
SW8270E in Solids	
1,2,4,5-Tetrachlorobenzene	NCDEQ,WVDEP,VELAP,PADEP

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Client Site I.D.: Southside Park Landfill

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Certified Analyses included in this Report

Analyte	Certifications
1,2,4-Trichlorobenzene	NCDEQ,WVDEP,VELAP,PADEP
1,2-Dichlorobenzene	NCDEQ,WVDEP,VELAP,PADEP
1,2-Diphenylhydrazine	WVDEP,VELAP
1,3-Dichlorobenzene	NCDEQ,WVDEP,VELAP,PADEP
1,3-Dinitrobenzene	NCDEQ,WVDEP,VELAP,PADEP
1,4-Dichlorobenzene	NCDEQ,WVDEP,VELAP,PADEP
1-Chloronaphthalene	NCDEQ,WVDEP,VELAP,PADEP
1-Naphthylamine	NCDEQ,WVDEP,VELAP,PADEP
2,3,4,6-Tetrachlorophenol	NCDEQ,WVDEP,VELAP,PADEP
2,4,5-Trichlorophenol	NCDEQ,WVDEP,VELAP,PADEP
2,4,6-Trichlorophenol	NCDEQ,WVDEP,VELAP,PADEP
2,4-Dichlorophenol	NCDEQ,WVDEP,VELAP,PADEP
2,4-Dimethylphenol	NCDEQ,WVDEP,VELAP,PADEP
2,4-Dinitrophenol	NCDEQ,WVDEP,VELAP,PADEP
2,4-Dinitrotoluene	NCDEQ,WVDEP,VELAP,PADEP
2,6-Dichlorophenol	NCDEQ,WVDEP,VELAP,PADEP
2,6-Dinitrotoluene	NCDEQ,WVDEP,VELAP,PADEP
2-Chloronaphthalene	NCDEQ,WVDEP,VELAP,PADEP
2-Chlorophenol	NCDEQ,WVDEP,VELAP,PADEP
2-Methylnaphthalene	NCDEQ,WVDEP,VELAP,PADEP
2-Naphthylamine	NCDEQ,WVDEP,VELAP,PADEP
2-Nitroaniline	NCDEQ,WVDEP,VELAP,PADEP
2-Nitrophenol	NCDEQ,WVDEP,VELAP,PADEP
3,3'-Dichlorobenzidine	NCDEQ,WVDEP,VELAP,PADEP
3-Methylcholanthrene	NCDEQ,WVDEP,VELAP,PADEP
3-Nitroaniline	NCDEQ,WVDEP,VELAP,PADEP
4,6-Dinitro-2-methylphenol	NCDEQ,WVDEP,VELAP,PADEP
4-Aminobiphenyl	NCDEQ,WVDEP,VELAP,PADEP

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Client Site I.D.: Southside Park Landfill

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Certified Analyses included in this Report

Analyte	Certifications
4-Bromophenyl phenyl ether	NCDEQ,WVDEP,VELAP,PADEP
4-Chloroaniline	NCDEQ,WVDEP,VELAP,PADEP
4-Chlorophenyl phenyl ether	NCDEQ,WVDEP,VELAP,PADEP
4-Nitroaniline	NCDEQ,WVDEP,VELAP,PADEP
4-Nitrophenol	NCDEQ,WVDEP,VELAP,PADEP
7,12-Dimethylbenz (a) anthracene	NCDEQ,WVDEP,VELAP,PADEP
Acenaphthene	NCDEQ,WVDEP,VELAP,PADEP
Acenaphthylene	NCDEQ,WVDEP,VELAP,PADEP
Acetophenone	NCDEQ,WVDEP,VELAP,PADEP
Aniline	NCDEQ,WVDEP,VELAP,PADEP
Anthracene	NCDEQ,WVDEP,VELAP,PADEP
Benzidine	NCDEQ,WVDEP,VELAP,PADEP
Benzo (a) anthracene	NCDEQ,WVDEP,VELAP,PADEP
Benzo (a) pyrene	NCDEQ,WVDEP,VELAP,PADEP
Benzo (b) fluoranthene	NCDEQ,WVDEP,VELAP,PADEP
Benzo (g,h,i) perylene	NCDEQ,WVDEP,VELAP,PADEP
Benzo (k) fluoranthene	NCDEQ,WVDEP,VELAP,PADEP
Benzoic acid	NCDEQ,WVDEP,VELAP,PADEP
Benzyl alcohol	NCDEQ,WVDEP,VELAP,PADEP
bis (2-Chloroethoxy) methane	NCDEQ,WVDEP,VELAP,PADEP
bis (2-Chloroethyl) ether	NCDEQ,WVDEP,VELAP,PADEP
2,2'-Oxybis (1-chloropropane)	NCDEQ,WVDEP,VELAP,PADEP
bis (2-Ethylhexyl) phthalate	NCDEQ,WVDEP,VELAP,PADEP
Butyl benzyl phthalate	NCDEQ,WVDEP,VELAP,PADEP
Chrysene	NCDEQ,WVDEP,VELAP,PADEP
Dibenz (a,h) anthracene	NCDEQ,WVDEP,VELAP,PADEP
Dibenz (a,j) acridine	NCDEQ,WVDEP,VELAP,PADEP
Dibenzofuran	NCDEQ,WVDEP,VELAP,PADEP

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Analyte	Certifications
Diethyl phthalate	NCDEQ,WVDEP,VELAP,PADEP
Dimethyl phthalate	NCDEQ,WVDEP,VELAP,PADEP
Di-n-butyl phthalate	NCDEQ,WVDEP,VELAP,PADEP
Di-n-octyl phthalate	NCDEQ,WVDEP,VELAP
Diphenylamine	NCDEQ,WVDEP,VELAP,PADEP
Ethyl methanesulfonate	NCDEQ,WVDEP,VELAP,PADEP
Fluoranthene	NCDEQ,WVDEP,VELAP,PADEP
Fluorene	NCDEQ,WVDEP,VELAP,PADEP
Hexachlorobenzene	NCDEQ,WVDEP,VELAP,PADEP
Hexachlorobutadiene	NCDEQ,WVDEP,VELAP,PADEP
Hexachlorocyclopentadiene	NCDEQ,WVDEP,VELAP,PADEP
Hexachloroethane	NCDEQ,WVDEP,VELAP,PADEP
Indeno (1,2,3-cd) pyrene	NCDEQ,WVDEP,VELAP,PADEP
Isophorone	NCDEQ,WVDEP,VELAP,PADEP
m+p-Cresols	NCDEQ,WVDEP,VELAP,PADEP
Methyl methanesulfonate	NCDEQ,WVDEP,VELAP,PADEP
Naphthalene	NCDEQ,WVDEP,VELAP,PADEP
Nitrobenzene	NCDEQ,WVDEP,VELAP,PADEP
n-Nitrosodimethylamine	NCDEQ,WVDEP,VELAP,PADEP
n-Nitrosodi-n-butylamine	NCDEQ,WVDEP,VELAP,PADEP
n-Nitrosodi-n-propylamine	NCDEQ,WVDEP,VELAP,PADEP
n-Nitrosodiphenylamine	NCDEQ,WVDEP,VELAP,PADEP
n-Nitrosopiperidine	NCDEQ,WVDEP,VELAP,PADEP
o+m+p-Cresols	NCDEQ,WVDEP,VELAP,PADEP
o-Cresol	NCDEQ,WVDEP,VELAP,PADEP
p-(Dimethylamino) azobenzene	NCDEQ,WVDEP,VELAP
p-Chloro-m-cresol	NCDEQ,WVDEP,VELAP,PADEP
Pentachloronitrobenzene (quintozene)	NCDEQ,WVDEP

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Analyte	Certifications
Pentachlorophenol	NCDEQ,WVDEP,VELAP,PADEP
Phenacetin	NCDEQ,WVDEP,VELAP,PADEP
Phenanthrene	NCDEQ,WVDEP,VELAP,PADEP
Phenol	NCDEQ,WVDEP,VELAP,PADEP
Pronamide	NCDEQ,WVDEP,VELAP,PADEP
Pyrene	NCDEQ,WVDEP,VELAP,PADEP
Pyridine	NCDEQ,WVDEP,VELAP,PADEP
SW9056A in Solids	
Nitrate as N	VELAP,NCDEQ
Sulfate	VELAP,NCDEQ

Code	Description	Laboratory ID	Expires
MdDOE	Maryland DE Drinking Water	341	12/31/2024
NCDEQ	North Carolina DEQ	495	12/31/2024
NCDOH	North Carolina Department of Health	51714	07/31/2024
NYDOH	New York DOH Drinking Water	12069	04/01/2024
PADEP	NELAP-Pennsylvania Certificate #009	68-03503	10/31/2024
SCDHEC	South Carolina Dept of Health and Environmental Control Certificate 93016001	93016	06/14/2024
TXCEQ	Texas Comm on Environmental Quality #T104704576-23-1	T104704576	05/31/2024
VELAP	NELAP-Virginia Certificate #12617	460021	06/14/2024
WVDEP	West Virginia DEP	350	11/30/2024

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Qualifiers and Definitions

B	Blank contamination. The recorded result is associated with a contaminated blank.
C	Continuing calibration verification response for this analyte is outside specifications.
DS	Surrogate concentration reflects a dilution factor.
J	The reported result is an estimated value.
L	LCS recovery is outside of established acceptance limits
M	Matrix spike recovery is outside established acceptance limits
M2	Sample was diluted due to matrix interference.
M3	Method of Standard Additions (MSA) performed due to matrix interference.
P	Duplicate analysis does not meet the acceptance criteria for precision
S	Surrogate recovery was outside acceptance criteria

RPD	Relative Percent Difference
Qual	Qualifers
-RE	Denotes sample was re-analyzed
LOD	Limit of Detection, same as Method Detection Limit (MDL) as defined by 40 CFR 136 Appendix B
BLOD	Below Limit of Detection, same as Below Method Detection Limit (MDL) as defined by 40 CFR 136 Appendix B
LOQ	Limit of Quantitation
DF	Dilution Factor
DL	Detection Limit, same as MDL as defined by 40 CFR 136 Appendix B
TIC	Tentatively Identified Compounds are compounds that are identified by comparing the analyte mass spectral pattern with the NIST spectral library. A TIC spectral match is reported when the pattern is at least 75% consistent with the published pattern. Compound concentrations are estimated and are calculated using an internal standard response factor of 1.
PCBs, Total	Total PCBs are defined as the sum of detected Aroclors 1016, 1221, 1232, 1248, 1254, 1260, 1262, and 1268.

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Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

ENTHALPY ANALYTICAL
(804) 358-8295 PHONE
(804)358-8297 FAX

CHAIN OF CUSTODY

COMPANY NAME: S&ME Raleigh	INVOICE TO: Smeinc_invoice@concursolutions.com	PROJECT NAME/Quote #: Southside Park Landfill
CONTACT: Sarah Taylor; Tom Raymond	INVOICE CONTACT: Tom Raymond	SITE NAME:
ADDRESS: 3201 Spring Forest Rd, Raleigh, NC 27616	INVOICE ADDRESS:	PROJECT NUMBER: ~~212592~~ 215952
PHONE #: 910.388.4320	INVOICE PHONE #:	P.O. #:
FAX #:	EMAIL: staylor@smeinc.com; traymond@smeinc.com	Pretreatment Program:
Is sample for compliance reporting? YES NO	Regulatory State: NC	Is sample from a chlorinated supply? YES NO / PWS I.D. #:
SAMPLER NAME (PRINT): Sarah Taylor	SAMPLER SIGNATURE:	Turn Around Time: Circle (10) 5 Days or _Day(s) Standard

Matrix Codes: WW=Waste Water/Storm Water GW=Ground Water DW=Drinking Water S=Soil/Solids OR=Organic A=Air WP=Wipe OT=Other S

CLIENT SAMPLE I.D.	Grab	Composite	Field Filtered (Dissolved Metals)	Composite Start Date	Composite Start Time	Grab Date or Composite Stop Date	Grab Time or Composite Stop Time	Time Preserved	Matrix (See Codes)	Number of Containers	ANALYSIS / (PRESERVATIVE) SVOC, 1,4-Dioxane (SIM) SW8270	Ag, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb Se, Tl V, Zn - SW6020	CrVI SW7199; Hg SW7471	Ammonia EPA350.1; Nitrate SW9056; Sulfate SW9056	VOC SW8260	Percent Solids		
1) SC-3				12/11/23	1100				S		x	x	x	x	x	x		
2) SC-7					1145				S		x	x	x	x	x	x		
3) SC-8					1230				S		x	x	x	x	x	x		
4) SC-4					1500				S		x	x	x	x	x	x		
5) SC-9					1546				S		x	x	x	x	x	x		
6) DUP-1									S		x	x	x	x	x	x		
7)									S		x	x	x	x	x	x		
8)									S		x	x	x	x	x	x		
9)									S		x	x	x	x	x	x		
10)									S		x	x	x	x	x	x	2-1	

COMMENTS

Preservative Codes: N=Nitric Acid C=Hydrochloric Acid S=Sulfuric Acid H=Sodium Hydroxide A=Ascorbic Acid Z=Zinc Acetate T=Sodium Thiosulfate M=Methanol

*REPORT IN DRY WEIGHT

PLEASE NOTE PRESERVATIVE(S), INTERFERENCE CHECKS or PUMP RATE (L/min)

	DATE / TIME		DATE / TIME
RELINQUISHED:	12/11/23 1605	RECEIVED:	12/11/23 1605
RELINQUISHED: LCW	DATE / TIME	RECEIVED:	12/12/23 0800
RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME

QC Data Package
Level III ☐
Level IV ☐

LAB USE ONLY Therm ID: 2-1
Custody Seals used and intact? (Y/N)
COOLER TEMP 2.1 °C
Received on ice? (Y/N)

S&ME - NC **23L0566**
Southside Park Landfill
Recd: 12/12/2023 Due: 12/27/2023

v130325002 outhside Park.xls

ENTHALPY ANALYTICAL

1941 REYMET ROAD
RICHMOND, VIRGINIA 23237
(804) 358-8295 PHONE
(804)358-8297 FAX

Chain of Custody
Effective: [illegible]10, 2021

CHAIN OF CUSTODY

COMPANY NAME: S&ME Raleigh	INVOICE TO: smeinc_invoice@concursolutions.com	PROJECT NAME/Quote #: Southside Park Landfill
CONTACT: Sarah Taylor; Tom Raymond	INVOICE CONTACT: Tom Raymond	SITE NAME:
ADDRESS: 3201 Spring Forest Rd, Raleigh, NC 27616	INVOICE ADDRESS:	PROJECT NUMBER: ~~212592~~ 215952
PHONE #: 910.388.4320	INVOICE PHONE #:	P.O. #:
FAX #: EMAIL: staylor@smeinc.com; traymond@smeinc.com		Pretreatment Program:
Is sample for compliance reporting? YES NO	Regulatory State: NC	Is sample from a chlorinated supply? YES NO / PWS I.D. #:
SAMPLER NAME (PRINT): Sarah Taylor	SAMPLER SIGNATURE:	Turn Around Time: Circle 10 Standard 5 Days or _Day(s)

Matrix Codes: WW=Waste Water/Storm Water GW=Ground Water DW=Drinking Water S=Soil/Solids OR=Organic A=Air WP=Wipe OT=Other_____

CLIENT SAMPLE I.D.	Grab	Composite	Field Filtered (Dissolved Metals)	Composite Start Date	Composite Start Time	Grab Date or Composite Stop Date	Grab Time or Composite Stop Time	Time Preserved	Matrix (See Codes)	Number of Containers	SVOC, 1,4-Dioxane (SIM) SW8270	Ag, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb Se, Tl V, Zn - SW6020	CrVI SW7199; Hg SW7471	Ammonia EPA350.1; Nitrate SW9056; Sulfate SW9056	VOC SW8260	Percent Solids			COMMENTS
											ANALYSIS / (PRESERVATIVE)								
1) SC-12				12/12/23	0930				S		x	x	x	x	x	x			
2) SC-22					1000				S		x	x	x	x	x	x			
3) SC-23					1045				S		x	x	x	x	x	x			
4) SC-34					1115				S		x	x	x	x	x	x			
5) SC-35					1200				S		x	x	x	x	x	x			
6) SC-13					1320				S		x	x	x	x	x	x			
7) SC-14					1350				S		x	x	x	x	x	x			
8) SC-25					1430				S		x	x	x	x	x	x			
9) SC-24					1450				S		x	x	x	x	x	x			
10) SC-44					1500				S		x	x	x	x	x	x			

Preservative Codes: N=Nitric Acid C=Hydrochloric Acid S=Sulfuric Acid H=Sodium Hydroxide A=Ascorbic Acid Z=Zinc Acetate T=Sodium Thiosulfate M=Methanol

*REPORT IN DRY WEIGHT

PLEASE NOTE PRESERVATIVE(S), INTERFERENCE CHECKS or PUMP RATE (L/min)

RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME
[signature]	12/12/23 1555	[signature]	12/12/23 1555
LCW		[signature]	12/13/23 0820

QC Data Package
Level III ☐
Level IV ☐

LAB USE ONLY Therm ID: 271
Custody Seals used and intact? (Y / N)
COOLER TEMP 1.4 °C
Received on ice? (Y / N)

S&ME - NC **23L0675**
Southside Park Landfill
Recd: 12/13/2023 Due: 12/28/2023

ENTHALPY ANALYTICAL

1941 REYMET ROAD
RICHMOND, VIRGINIA 23237
(804) 358-8295 PHONE
(804)358-8297 FAX

CHAIN OF CUSTODY

COMPANY NAME: S&ME Raleigh	INVOICE TO:	PROJECT NAME/Quote #: Southside Park Landfill
CONTACT: Sarah Taylor; Tom Raymond	INVOICE CONTACT:	SITE NAME:
ADDRESS: 3201 Spring Forest Rd, Raleigh, NC 27616	INVOICE ADDRESS:	PROJECT NUMBER: ~~212592~~ 215952
PHONE #: 910.388.4320	INVOICE PHONE #:	P.O. #:
FAX #:	EMAIL: staylor@smeinc.com; traymond@smeinc.com	Pretreatment Program:
Is sample for compliance reporting? YES NO	Regulatory State:	Is sample from a chlorinated supply? YES NO / PWS I.D. #:
SAMPLER NAME (PRINT): Sarah Taylor	SAMPLER SIGNATURE:	Turn Around Time: Circle (10) 5 Days or _Day(s)

Matrix Codes: WW=Waste Water/Storm Water GW=Ground Water DW=Drinking Water S=Soil/Solids OR=Organic A=Air WP=Wipe OT=Other_____

CLIENT SAMPLE I.D.	Grab	Composite	Field Filtered (Dissolved Metals)	Composite Start Date	Composite Start Time	Grab Date or Composite Stop Date	Grab Time or Composite Stop Time	Time Preserved	Matrix (See Codes)	Number of Containers	ANALYSIS / (PRESERVATIVE) SVOC, 1,4-Dioxane (SIM) SW8270	Ag, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb Se, Tl V, Zn - SW6020	CrVI SW7199; Hg SW7471	Ammonia EPA350.1; Nitrate SW9056; Sulfate SW9056	VOC SW8260	Percent Solids			COMMENTS
1) SC-15				12/12/23	1545				S		x	x	x	x	x	x			
2) DUP-2				↓					S		x	x	x	x	x	x			
3)									S		x	x	x	x	x	x			
4)									S		x	x	x	x	x	x			
5)									S		x	x	x	x	x	x			
6)									S		x	x	x	x	x	x			
7)									S		x	x	x	x	x	x			
8)									S		x	x	x	x	x	x			
9)									S		x	x	x	x	x	x			
10)									S		x	x	x	x	x	x			

Preservative Codes: N=Nitric Acid C=Hydrochloric Acid S=Sulfuric Acid H=Sodium Hydroxide A=Ascorbic Acid Z=Zinc Acetate T=Sodium Thiosulfate M=Methanol

PLEASE NOTE PRESERVATIVE(S), INTERFERENCE CHECKS or PUMP RATE (L/min)

RELINQUISHED: DATE / TIME 12/12/23 1555	RECEIVED: DATE / TIME 12/12/23 1555	QC Data Package	LAB USE ONLY Therm ID: 271 COOLER TEMP 1.4 °C
RELINQUISHED: LAW DATE / TIME	RECEIVED: 12/13/23 0800 DATE / TIME	Level III ☐	Custody Seals used and intact? (Y / (N)) Received on ice? ((Y) N)
RELINQUISHED: DATE / TIME	RECEIVED: DATE / TIME	Level IV ☐	S&ME - NC 23L0675 Southside Park Landfill Recd: 12/13/2023 Due: 12/28/2023

ENTHALPY ANALYTICAL

1941 REYMET ROAD
RICHMOND, VIRGINIA 23237
(804) 358-8295 PHONE
(804)358-8297 FAX

Chain of Custody
Effective: [illegible]10, 2021

smeinc_invoice@concursolutions.com

CHAIN OF CUSTODY

COMPANY NAME: S&ME Raleigh	INVOICE TO: ~~[illegible]~~	PROJECT NAME/Quote #: Southside Park Landfill
CONTACT: Sarah Taylor; Tom Raymond	INVOICE CONTACT: Tom Raymond	SITE NAME:
ADDRESS: 3201 Spring Forest Rd, Raleigh, NC 27616	INVOICE ADDRESS:	PROJECT NUMBER: ~~212592~~ 215952
PHONE #: 910.388.4320	INVOICE PHONE #:	P.O. #:
FAX #:	EMAIL: staylor@smeinc.com; traymond@smeinc.com	Pretreatment Program:
Is sample for compliance reporting? YES NO	Regulatory State: NC	Is sample from a chlorinated supply? YES NO / PWS I.D. #:
SAMPLER NAME (PRINT): Sarah Taylor	SAMPLER SIGNATURE:	Turn Around Time: Circle (10) 5 Days or _Day(s)

Matrix Codes: WW=Waste Water/Storm Water GW=Ground Water DW=Drinking Water S=Soil/Solids OR=Organic A=Air WP=Wipe OT=Other_____

CLIENT SAMPLE I.D.	Grab	Composite	Field Filtered (Dissolved Metals)	Composite Start Date	Composite Start Time	Grab Date or Composite Stop Date	Grab Time or Composite Stop Time	Time Preserved	Matrix (See Codes)	Number of Containers	ANALYSIS / (PRESERVATIVE): SVOC, 1,4-Dioxane (SIM) SW8270	Ag, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb Se, Tl V, Zn - SW6020	CrVI SW7199; Hg SW7471	Ammonia EPA350.1; Nitrate SW9056; Sulfate SW9056	VOC SW8260	Percent Solids			COMMENTS
1) SC-36				12/13/23	1020				S		x	x	x	x	x	x			
2) SC-45					1050				S		x	x	x	x	x	x			
3) SC-51					1110				S		x	x	x	x	x	x			
4) SC-46					1130				S		x	x	x	x	x	x			
5) SC-37					1150				S		x	x	x	x	x	x			
6) SC-26					1330				S		x	x	x	x	x	x			
7) SC-61					1430				S		x	x	x	x	x	x			
8) SC-53					1500				S		x	x	x	x	x	x			
9) SC-52					1545				S		x	x	x	x	x	x			
10) DUP-3									S		x	x	x	x	x	x	336		

Preservative Codes: N=Nitric Acid C=Hydrochloric Acid S=Sulfuric Acid H=Sodium Hydroxide A=Ascorbic Acid Z=Zinc Acetate T=Sodium Thiosulfate M=Methanol

PLEASE NOTE PRESERVATIVE(S), INTERFERENCE CHECKS or PUMP RATE (L/min)

RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME
[signature]	12/13/23 1610	[signature]	12/13/23 1610
LCN		[signature]	12/14/23 0800

QC Data Package
Level III ☐
Level IV ☐

LAB USE ONLY Therm ID: 336
Custody Seals used and intact? (Y (N)
COOLER TEMP 4.3 °C
Received on ice? (Y / N)

S&ME - NC **23L0795**
Southside Park Landfill
Recd: 12/14/2023 Due: 12/29/2023

ENTHALPY ANALYTICAL

1941 REYMET ROAD
RICHMOND, VIRGINIA 23237
(804) 358-8295 PHONE
(804)358-8297 FAX

Chain of Custody
Effective: [illegible]10, 2021

CHAIN OF CUSTODY

COMPANY NAME: S&ME Raleigh	INVOICE TO: smeinc_invoice@concursolutions.com	PROJECT NAME/Quote #: Southside Park Landfill
CONTACT: Sarah Taylor; Tom Raymond	INVOICE CONTACT:	SITE NAME:
ADDRESS: 3201 Spring Forest Rd, Raleigh, NC 27616	INVOICE ADDRESS:	PROJECT NUMBER: ~~212592~~ 215952
PHONE #: 910.388.4320	INVOICE PHONE #:	P.O. #:
FAX #:	EMAIL: staylor@smeinc.com; traymond@smeinc.com	Pretreatment Program:
Is sample for compliance reporting? YES NO	Regulatory State: NC	Is sample from a chlorinated supply? YES NO / PWS I.D. #:
SAMPLER NAME (PRINT): Sarah Taylor	SAMPLER SIGNATURE:	Turn Around Time: Circle 10 5 Days or _Day(s)

Matrix Codes: WW=Waste Water/Storm Water GW=Ground Water DW=Drinking Water S=Soil/Solids OR=Organic A=Air WP=Wipe OT=Other_____

CLIENT SAMPLE I.D.	Grab	Composite	Field Filtered (Dissolved Metals)	Composite Start Date	Composite Start Time	Grab Date or Composite Stop Date	Grab Time or Composite Stop Time	Time Preserved	Matrix (See Codes)	Number of Containers	SVOC, 1,4-Dioxane (SIM) SW8270	Ag, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb Se, Tl V, Zn - SW6020	CrVI SW7199; Hg SW7471	Ammonia EPA350.1; Nitrate SW9056; Sulfate SW9056	VOC SW8260	Percent Solids			COMMENTS
1) SC-63				12/14/23	1000				S		x	x	x	x	x	x			
2) SC-60					1030				S		x	x	x	x	x	x			
3) SC-55					1050				S		x	x	x	x	x	x			
4) SC-50					1110				S		x	x	x	x	x	x			
5) SC-56					1130				S		x	x	x	x	x	x			
6) SC-47					1310				S		x	x	x	x	x	x			
7) SC-48					1330				S		x	x	x	x	x	x			
8) SC-49					1400				S		x	x	x	x	x	x			
9) SC-54					1440				S		x	x	x	x	x	x			
10) SC-38					1500				S		x	x	x	x	x	x	271		

PRESERVATIVE(S), INTERFERENCE CHECKS or PUMP RATE (L/min)

Preservative Codes: N=Nitric Acid C=Hydrochloric Acid S=Sulfuric Acid H=Sodium Hydroxide A=Ascorbic Acid Z=Zinc Acetate T=Sodium Thiosulfate M=Methanol

RELINQUISHED:	DATE / TIME 12/14/23 1530	RECEIVED:	DATE / TIME 12/14/23 1530
RELINQUISHED: LCW	DATE / TIME	RECEIVED: 12/15/23 0800	DATE / TIME
RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME

QC Data Package
Level III ☐
Level IV ☐

LAB USE ONLY Therm ID: ____ COOLER TEMP 2.4 °C
Custody Seals used and intact? (Y / N) Received on ice? (Y / N)

S&ME - NC **23L0912**
Southside Park Landfill
Recd: 12/15/2023 Due: 01/02/2024

ENTHALPY ANALYTICAL

1941 REYMET ROAD
RICHMOND, VIRGINIA 23237
(804) 358-8295 PHONE
(804)358-8297 FAX

Chain of Custody
Effective: [illegible]10, 2021

CHAIN OF CUSTODY

COMPANY NAME: S&ME Raleigh	INVOICE TO:	PROJECT NAME/Quote #: Southside Park Landfill
CONTACT: Sarah Taylor; Tom Raymond	INVOICE CONTACT:	SITE NAME:
ADDRESS: 3201 Spring Forest Rd, Raleigh, NC 27616	INVOICE ADDRESS:	PROJECT NUMBER: ~~212592~~ 215952
PHONE #: 910.388.4320	INVOICE PHONE #:	P.O. #:
FAX #: EMAIL: staylor@smeinc.com; traymond@smeinc.com		Pretreatment Program:
Is sample for compliance reporting? YES NO	Regulatory State:	Is sample from a chlorinated supply? YES NO / PWS I.D. #:
SAMPLER NAME (PRINT): Sarah Taylor	SAMPLER SIGNATURE:	Turn Around Time: Circle 10 5 Days or _Day(s)

Matrix Codes: WW=Waste Water/Storm Water GW=Ground Water DW=Drinking Water S=Soil/Solids OR=Organic A=Air WP=Wipe OT=Other_____

CLIENT SAMPLE I.D.	Grab	Composite	Field Filtered (Dissolved Metals)	Composite Start Date	Composite Start Time	Grab Date or Composite Stop Date	Grab Time or Composite Stop Time	Time Preserved	Matrix (See Codes)	Number of Containers	ANALYSIS / (PRESERVATIVE) SVOC, 1,4-Dioxane (SIM) SW8270	Ag, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb Se, Tl V, Zn - SW6020	CrVI SW7199; Hg SW7471	Ammonia EPA350.1; Nitrate SW9056; Sulfate SW9056	VOC SW8260	Percent Solids			COMMENTS
1) SC-39				12/14/23	1515				S		x	x	x	x	x	x			
2) DUP-4				1	1				S		x	x	x	x	x	x			
3) Trip blank									S		~~x~~	~~x~~	~~x~~	~~x~~	x	~~x~~			VOCs only
4)									S		x	x	x	x	x	x			
5)									S		x	x	x	x	x	x			
6)									S		x	x	x	x	x	x			
7)									S		x	x	x	x	x	x			
8)									S		x	x	x	x	x	x			
9)									S		x	x	x	x	x	x			
10)									S		x	x	x	x	x	x			

Preservative Codes: N=Nitric Acid C=Hydrochloric Acid S=Sulfuric Acid H=Sodium Hydroxide A=Ascorbic Acid Z=Zinc Acetate T=Sodium Thiosulfate M=Methanol

PLEASE NOTE PRESERVATIVE(S), INTERFERENCE CHECKS or PUMP RATE (L/min)

RELINQUISHED:	DATE / TIME 12/14/23 1530	RECEIVED:	DATE / TIME 12/14/23 1530	QC Data Package
RELINQUISHED: LCW	DATE / TIME	RECEIVED:	DATE / TIME 12/15/23 0800	Level III ☐
RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME	Level IV ☐

LAB USE ONLY Therm ID: 271 COOLER TEMP 2.4 °C
Custody Seals used and intact? (Y / N) Received on ice? (Y / N)

S&ME - NC 23L0912
Southside Park Landfill
Recd: 12/15/2023 Due: 01/02/202

ENTHALPY ANALYTICAL

1941 REYMET ROAD
RICHMOND, VIRGINIA 23237
(804) 358-8295 PHONE
(804)358-8297 FAX

Chain of Custody
Effective: [illegible] 10, 2021

CHAIN OF CUSTODY

COMPANY NAME: S&ME Raleigh	INVOICE TO: smeinc_invoice@concursolutions.com	PROJECT NAME/Quote #: Southside Park Landfill
CONTACT: Sarah Taylor; Tom Raymond	INVOICE CONTACT: Tom Raymond	SITE NAME:
ADDRESS: 3201 Spring Forest Rd, Raleigh, NC 27616	INVOICE ADDRESS:	PROJECT NUMBER: ~~212592~~ 215952
PHONE #: 910.388.4320	INVOICE PHONE #:	P.O. #:
FAX #: EMAIL: staylor@smeinc.com; traymond@smeinc.com		Pretreatment Program:
Is sample for compliance reporting? YES NO	Regulatory State: NC	Is sample from a chlorinated supply? YES NO / PWS I.D. #:
SAMPLER NAME (PRINT): Sarah Taylor	SAMPLER SIGNATURE:	Turn Around Time: Circle (10) 5 Days or _Day(s)

Matrix Codes: WW=Waste Water/Storm Water GW=Ground Water DW=Drinking Water S=Soil/Solids OR=Organic A=Air WP=Wipe OT=Other_____

CLIENT SAMPLE I.D.	Grab	Composite	Field Filtered (Dissolved Metals)	Composite Start Date	Composite Start Time	Grab Date or Composite Stop Date	Grab Time or Composite Stop Time	Time Preserved	Matrix (See Codes)	Number of Containers	ANALYSIS / (PRESERVATIVE): SVOC, 1,4-Dioxane (SIM) SW8270	Ag, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb Se, Tl V, Zn - SW6020	CrVI SW7199; Hg SW7471	Ammonia EPA350.1; Nitrate SW9056; Sulfate SW9056	VOC SW8260	Percent Solids		
1) SC-33				12/19/23	1045				S		x	x	x	x	x	x		
2) SC-32					1100				S		x	x	x	x	x	x		
3) SC-31					1130				S		x	x	x	x	x	x		
4) SC-42					1145				S		x	x	x	x	x	x		
5) SC-43					1345				S		x	x	x	x	x	x		
6) SC-30					1400				S		x	x	x	x	x	x		
7) SC-41					1415				S		x	x	x	x	x	x		
8) SC-40					1430				S		x	x	x	x	x	x		
9) SC-29					1445				S		x	x	x	x	x	x		
10) SC-27					1500				S		x	x	x	x	x	x		

COMMENTS

Preservative Codes: N=Nitric Acid C=Hydrochloric Acid S=Sulfuric Acid H=Sodium Hydroxide A=Ascorbic Acid Z=Zinc Acetate T=Sodium Thiosulfate M=Methanol

PLEASE NOTE PRESERVATIVE(S), INTERFERENCE CHECKS or PUMP RATE (L/min)

RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME
[signature]	12/19/23 1605	[signature]	12/19/23 1605
CCW		[signature]	12/20/23 0800

QC Data Package
Level III ☐
Level IV ☐

LAB USE ONLY Therm ID: T-71
Custody Seals used and intact? (Y (N))
COOLER TEMP 0.9 °C
Received on ice? (Y) N)

S&ME - NC 23L1137
Southside Park Landfill
Recd: 12/20/2023 Due: 01/05/[illegible]

[illegible]130325002 rk.xls

ENTHALPY ANALYTICAL

1941 REYMET ROAD
RICHMOND, VIRGINIA 23237
(804) 358-8295 PHONE
(804)358-8297 FAX

Chain of Custody
Effective: [illegible]10, 2021

CHAIN OF CUSTODY

COMPANY NAME: S&ME Raleigh	INVOICE TO:	PROJECT NAME/Quote #: Southside Park Landfill
CONTACT: Sarah Taylor; Tom Raymond	INVOICE CONTACT:	SITE NAME:
ADDRESS: 3201 Spring Forest Rd, Raleigh, NC 27616	INVOICE ADDRESS:	PROJECT NUMBER: ~~212592~~ 215952
PHONE #: 910.388.4320	INVOICE PHONE #:	P.O. #:
FAX #: EMAIL: staylor@smeinc.com; traymond@smeinc.com		Pretreatment Program:
Is sample for compliance reporting? YES NO	Regulatory State: NC	Is sample from a chlorinated supply? YES NO / PWS I.D. #:
SAMPLER NAME (PRINT): Sarah Taylor	SAMPLER SIGNATURE:	Turn Around Time: Circle (10) 5 Days or _Day(s)

Matrix Codes: WW=Waste Water/Storm Water GW=Ground Water DW=Drinking Water S=Soil/Solids OR=Organic A=Air WP=Wipe OT=Other_____

CLIENT SAMPLE I.D.	Grab	Composite	Field Filtered (Dissolved Metals)	Composite Start Date	Composite Start Time	Grab Date or Composite Stop Date	Grab Time or Composite Stop Time	Time Preserved	Matrix (See Codes)	Number of Containers	SVOC, 1,4-Dioxane (SIM) SW8270	Ag, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb Se, Tl V, Zn - SW6020	CrVI SW7199; Hg SW7471	Ammonia EPA350.1; Nitrate SW9056; Sulfate SW9056	VOC SW8260	Percent Solids			COMMENTS
1) SC-28				12/19/23	1530				S		x	x	x	x	x	x			
2) DUP-5				"					S		x	x	x	x	x	x			
3) Trip blank									S		x	x	x	x	x	x			VOC only
4)									S		x	x	x	x	x	x			
5)									S		x	x	x	x	x	x			
6)									S		x	x	x	x	x	x			
7)																			
8)																			
9)																			
10)																			

Preservative Codes: N=Nitric Acid C=Hydrochloric Acid S=Sulfuric Acid H=Sodium Hydroxide A=Ascorbic Acid Z=Zinc Acetate T=Sodium Thiosulfate M=Methanol

PLEASE NOTE PRESERVATIVE(S), INTERFERENCE CHECKS or PUMP RATE (L/min)

	DATE / TIME		DATE / TIME
RELINQUISHED:	12/19/23 1605	RECEIVED:	12/19/23 1605
RELINQUISHED: LCW	DATE / TIME	RECEIVED:	12/20/23 0800
RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME

QC Data Package
Level III ☐
Level IV ☐

LAB USE ONLY Therm ID: 271 COOLER TEMP 0.9 °C
Custody Seals used and intact? (Y (N)) Received on ice? ((Y) N)

S&ME - NC 23L1137
Southside Park Landfill
Recd: 12/20/2023 Due: 01/05/2024

ENTHALPY ANALYTICAL
1941 REYMET ROAD
RICHMOND, VIRGINIA 23237
(804) 358-8295 PHONE
(804)358-8297 FAX

Chain of Custody Effective: 10, 2021

CHAIN OF CUSTODY

COMPANY NAME: S&ME Raleigh	INVOICE TO: smeinc_invoice@concursolutions.com	PROJECT NAME/Quote #: Southside Park Landfill
CONTACT: Sarah Taylor; Tom Raymond	INVOICE CONTACT: Tom Raymond	SITE NAME:
ADDRESS: 3201 Spring Forest Rd, Raleigh, NC 27616	INVOICE ADDRESS:	PROJECT NUMBER: ~~412592~~ 215952
PHONE #: 910.388.4320	INVOICE PHONE #:	P.O. #:
FAX #: EMAIL: staylor@smeinc.com; traymond@smeinc.com		Pretreatment Program:
Is sample for compliance reporting? YES NO	Regulatory State: NC	Is sample from a chlorinated supply? YES NO / PWS I.D. #:
SAMPLER NAME (PRINT): Sarah Taylor	SAMPLER SIGNATURE:	Turn Around Time: Circle 10 5 Days or _Day(s)

Matrix Codes: WW=Waste Water/Storm Water GW=Ground Water DW=Drinking Water S=Soil/Solids OR=Organic A=Air WP=Wipe OT=Other_____

CLIENT SAMPLE I.D.	Grab	Composite	Field Filtered (Dissolved Metals)	Composite Start Date	Composite Start Time	Grab Date or Composite Stop Date	Grab Time or Composite Stop Time	Time Preserved	Matrix (See Codes)	Number of Containers	ANALYSIS / (PRESERVATIVE) SVOC, 1,4-Dioxane (SIM) SW8270	Ag, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb Se, Tl V, Zn - SW6020	CrVI SW7199; Hg SW7471	Ammonia EPA350.1; Nitrate SW9056; Sulfate SW9056	VOC SW8260	Percent Solids			COMMENTS
1) SC-1				12/20/23	1430				S		x	x	x	x	x	x			
2) SC-2					1500				S		x	x	x	x	x	x			
3) SC-5					1515				S		x	x	x	x	x	x			
4) SC-6					1530				S		x	x	x	x	x	x			
5) SC-10					1200				S		x	x	x	x	x	x			
6) SC-11					1220				S		x	x	x	x	x	x			
7) SC-16					1230				S		x	x	x	x	x	x			2.7°C
8) SC-17					1240				S		x	x	x	x	x	x			3.8
9) SC-18					1250				S		x	x	x	x	x	x			no seal
10) SC-19				"	1300				S		x	x	x	x	x	x			ice

Please note preservative(s), interference checks or pump rate (L/min)

Preservative Codes: N=Nitric Acid C=Hydrochloric Acid S=Sulfuric Acid H=Sodium Hydroxide A=Ascorbic Acid Z=Zinc Acetate T=Sodium Thiosulfate M=Methanol

RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME
[signature]	12/20/23 1555	[signature]	12/20/23 1555
LCN		[signature]	12/21/23
			0800

QC Data Package
Level III ☐
Level IV ☐

LAB USE ONLY Therm ID: _____ COOLER TEMP _____°C
Custody Seals used and intact? (Y / N) Received on ice? (Y / N)

S&ME - NC **23L1228**
Southside Park Landfill
Recd: 12/21/2023 **Due: 01/08/2024**

ENTHALPY ANALYTICAL

1941 REYMET ROAD
RICHMOND, VIRGINIA 23237
(804) 358-8295 PHONE
(804)358-8297 FAX

Chain of Custody
Effective: [illegible]0, 2021

CHAIN OF CUSTODY

COMPANY NAME: S&ME Raleigh	INVOICE TO:	PROJECT NAME/Quote #: Southside Park Landfill
CONTACT: Sarah Taylor; Tom Raymond	INVOICE CONTACT:	SITE NAME:
ADDRESS: 3201 Spring Forest Rd, Raleigh, NC 27616	INVOICE ADDRESS:	PROJECT NUMBER: ~~212592~~ 215952
PHONE #: 910.388.4320	INVOICE PHONE #:	P.O. #:
FAX #: EMAIL: staylor@smeinc.com; traymond@smeinc.com		Pretreatment Program:
Is sample for compliance reporting? YES NO	Regulatory State:	Is sample from a chlorinated supply? YES NO / PWS I.D. #:
SAMPLER NAME (PRINT): Sarah Taylor	SAMPLER SIGNATURE:	Turn Around Time: Circle (10) 5 Days or _Day(s)

Matrix Codes: WW=Waste Water/Storm Water GW=Ground Water DW=Drinking Water S=Soil/Solids OR=Organic A=Air WP=Wipe OT=Other_____

CLIENT SAMPLE I.D.	Grab	Composite	Field Filtered (Dissolved Metals)	Composite Start Date	Composite Start Time	Grab Date or Composite Stop Date	Grab Time or Composite Stop Time	Time Preserved	Matrix (See Codes)	Number of Containers	ANALYSIS / (PRESERVATIVE) SVOC, 1,4-Dioxane (SIM) SW8270	Ag, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb Se, Tl V, Zn - SW6020	CrVI SW7199; Hg SW7471	Ammonia EPA350.1; Nitrate SW9056; Sulfate SW9056	VOC SW8260	Percent Solids			COMMENTS
1) SC-20				12/20/23	1320				S		x	x	x	x	x	x			
2) SC-21				↓	1330				S		x	x	x	x	x	x			
3) DUP-6				↓					S		x	x	x	x	x	x			
4) Trip blank									S		x	x	x	x	x	x			VOC only
5)									S		x	x	x	x	x	x			
6)									S		x	x	x	x	x	x			
7)									S		x	x	x	x	x	x			2.7°C
8)									S		x	x	x	x	x	x			338
9)									S		x	x	x	x	x	x			no seal
10)									S		x	x	x	x	x	x			ice

Preservative Codes: N=Nitric Acid C=Hydrochloric Acid S=Sulfuric Acid H=Sodium Hydroxide A=Ascorbic Acid Z=Zinc Acetate T=Sodium Thiosulfate M=Methanol

*REPORT IN DRY WEIGHT

PLEASE NOTE PRESERVATIVE(S), INTERFERENCE CHECKS or PUMP RATE (L/min)

RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME
	12/20/23 1555		12/20/23 1555
RELINQUISHED: LCN	DATE / TIME	RECEIVED: Jennifer Harris	DATE / TIME 12/21/23
RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME 0800

QC Data Package
Level III ☐
Level IV ☐

LAB USE ONLY Therm ID: _____ COOLER TEMP _____°C
Custody Seals used and intact? (Y / N) Received on ice? (Y / N)

S&ME - NC 23L1228
Southside Park Landfill
Recd: 12/21/2023 Due: 01/08/2024

ENTHALPY ANALYTICAL

1941 REYMET ROAD
RICHMOND, VIRGINIA 23237
(804) 358-8295 PHONE
(804)358-8297 FAX

Chain of Custody
Effective: 10, 2021

CHAIN OF CUSTODY

PAGE 1 OF 2

COMPANY NAME: S&ME Raleigh	INVOICE TO: smeinc_invoice@concursolutions.com	PROJECT NAME/Quote #: Southside Park Landfill
CONTACT: Sarah Taylor; Tom Raymond	INVOICE CONTACT: Tom Raymond	SITE NAME:
ADDRESS: 3201 Spring Forest Rd, Raleigh, NC 27616	INVOICE ADDRESS:	PROJECT NUMBER: ~~212592~~ 215952
PHONE #: 910.388.4320	INVOICE PHONE #:	P.O. #:
FAX #:	EMAIL: staylor@smeinc.com; traymond@smeinc.com	Pretreatment Program:
Is sample for compliance reporting? YES NO	Regulatory State: NC / Is sample from a chlorinated supply? YES NO	PWS I.D. #:
SAMPLER NAME (PRINT): Sarah Taylor	SAMPLER SIGNATURE: [signature]	Turn Around Time: Circle (10) 5 Days or _Day(s)

Matrix Codes: WW=Waste Water/Storm Water GW=Ground Water DW=Drinking Water S=Soil/Solids OR=Organic A=Air WP=Wipe OT=Other______________

ANALYSIS / (PRESERVATIVE)

COMMENTS: Preservative Codes: N=Nitric Acid C=Hydrochloric Acid S=Sulfuric Acid H=Sodium Hydroxide A=Ascorbic Acid Z=Zinc Acetate T=Sodium Thiosulfate M=Methanol

*REPORT IN DRY WEIGHT

PLEASE NOTE PRESERVATIVE(S), INTERFERENCE CHECKS or PUMP RATE (L/min)

CLIENT SAMPLE I.D.	Grab	Composite	Field Filtered (Dissolved Metals)	Composite Start Date	Composite Start Time	Grab Date or Composite Stop Date	Grab Time or Composite Stop Time	Time Preserved	Matrix (See Codes)	Number of Containers	SVOC, 1,4-Dioxane (SIM) SW8270	Ag, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb Se, Tl V, Zn - SW6020	CrVI SW7199; Hg SW7471	Ammonia EPA350.1; Nitrate SW9056; Sulfate SW9056	VOC SW8260	Percent Solids			Comments
1) BG-1-6"				12/21/23	0945				S		x	x	x	x	x	x			
2) BG-1-12"				↓	1000				S		x	x	x	x	x	x			
3) BG-2-6"					1005				S		x	x	x	x	x	x			
4) BG-2-12"					1010				S		x	x	x	x	x	x			
5) BG-3-6"					1015				S		x	x	x	x	x	x			
6) BG-3-12"					1020				S		x	x	x	x	x	x			
7) BG-4-6"					1025				S		x	x	x	x	x	x			
8) BG-4-12"					1030				S		x	x	x	x	x	x			
9) BG-5-6"					1035				S		x	x	x	x	x	x			
10) BG-5-12"					1040				S		x	x	x	x	x	x			

RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME	QC Data Package	LAB USE ONLY
[signature]	12/21/23 1120	[signature]	12/21/23 1120		Therm ID: 338 COOLER TEMP ~~3.8~~ °C 5.0 Custody Seals used and intact? (Y/N) Received on ice? (Y/N)
RELINQUISHED: [signature]	DATE / TIME	RECEIVED: [signature]	DATE / TIME 12-21-23 1627	Level III ☐	
RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME	Level IV ☐	

S&ME - NC 23L1295
Southside Park Landfill
Recd: 12/21/2023 Due: 01/08/2024

v130325002 uthside Park.xls

ENTHALPY ANALYTICAL
1941 REYMET ROAD
RICHMOND, VIRGINIA 23237
(804) 358-8295 PHONE
(804)358-8297 FAX

Chain of Custody Effective: 10, 2021

CHAIN OF CUSTODY

COMPANY NAME: S&ME Raleigh	INVOICE TO:	PROJECT NAME/Quote #: Southside Park Landfill
CONTACT: Sarah Taylor; Tom Raymond	INVOICE CONTACT:	SITE NAME:
ADDRESS: 3201 Spring Forest Rd, Raleigh, NC 27616	INVOICE ADDRESS:	PROJECT NUMBER: ~~212592~~ 215952
PHONE #: 910.388.4320	INVOICE PHONE #:	P.O. #:
FAX #: EMAIL: staylor@smeinc.com; traymond@smeinc.com		Pretreatment Program:
Is sample for compliance reporting? YES NO	Regulatory State: NC	Is sample from a chlorinated supply? YES NO / PWS I.D. #:
SAMPLER NAME (PRINT): Sarah Taylor	SAMPLER SIGNATURE:	Turn Around Time: Circle (10) 5 Days or _Day(s)

Matrix Codes: WW=Waste Water/Storm Water GW=Ground Water DW=Drinking Water S=Soil/Solids OR=Organic A=Air WP=Wipe OT=Other_____

CLIENT SAMPLE I.D.	Grab	Composite	Field Filtered (Dissolved Metals)	Composite Start Date	Composite Start Time	Grab Date or Composite Stop Date	Grab Time or Composite Stop Time	Time Preserved	Matrix (See Codes)	Number of Containers	ANALYSIS / (PRESERVATIVE) SVOC, 1,4-Dioxane (SIM) SW8270	Ag, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb Se, Tl V, Zn - SW6020	CrVI SW7199; Hg SW7471	Ammonia EPA350.1; Nitrate SW9056; Sulfate SW9056	VOC SW8260	Percent Solids			COMMENTS
1) BG-6-6"				12/21/23	1045				S		x	x	x	x	x	x			
2) BG-6-12"					1050				S		x	x	x	x	x	x			
3) BG-7-6"					1055				S		x	x	x	x	x	x			
4) BG-7-12"					1100				S		x	x	x	x	x	x			
5) BG-8-6"					1105				S		x	x	x	x	x	x			
6) BG-8-12"					1110				S		x	x	x	x	x	x			
7) DUP-7				↓	—				S		x	x	x	x	x	x			
8) Trip blank				—	—				S		x	x	x	x	x	x			VOC only
9)									S		x	x	x	x	x	x			
10)									S		x	x	x	x	x	x			

Preservative Codes: N=Nitric Acid C=Hydrochloric Acid S=Sulfuric Acid H=Sodium Hydroxide A=Ascorbic Acid Z=Zinc Acetate T=Sodium Thiosulfate M=Methanol

PLEASE NOTE PRESERVATIVE(S), INTERFERENCE CHECKS or PUMP RATE (L/min)

RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME
	12/21/23 1120		12/21/23 1120
RELINQUISHED: LCN	DATE / TIME	RECEIVED:	DATE / TIME 12-21-23 1627
RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME

QC Data Package
Level III ☐
Level IV ☐

LAB USE ONLY Therm ID: 338
Custody Seals used and intact? (Y (N))
COOLER TEMP 5.0 °C
Received on ice? (Y) N)

S&ME - NC 23L1295
Southside Park Landfill
Recd: 12/21/2023 Due: 01/08/2024

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh

Client Site I.D.: Southside Park Landfill

Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
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Certificate of Analysis

Client Name: S&ME - Raleigh

Date Issued: 1/8/2024 5:19:06PM

Client Site I.D.: Southside Park Landfill

Submitted To: Tom Raymond

Laboratory Order ID: 23L0308

Sample Conditions Checklist

Samples Received at:	
How were samples received?	
Were Custody Seals used? If so, were they received intact?	No
Are the custody papers filled out completely and correctly?	No
Do all bottle labels agree with custody papers?	No
Is the temperature blank or representative sample within acceptable limits or received on ice, and recently taken?	No
Are all samples within holding time for requested laboratory tests?	No
Is a sufficient amount of sample provided to perform the tests included?	No
Are all samples in appropriate containers for the analyses requested?	No
Were volatile organic containers received?	No
Are all volatile organic and TOX containers free of headspace?	NA
Is a trip blank provided for each VOC sample set? VOC sample sets include EPA8011, EPA504, EPA8260, EPA624, EPA8015 GRO, EPA8021, EPA524, and RSK-175.	NA
Are all samples received appropriately preserved? Note that metals containers do not require field preservation but lab preservation may delay analysis. In addition, field parameters are always received outside holding time and will be marked accordingly.	No

Work Order Comments

Enthalpy Analytical
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Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

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Certificate of Analysis

Client Name: S&ME - Raleigh

Date Issued: 1/8/2024 5:19:06PM

Client Site I.D.: Southside Park Landfill

Submitted To: Tom Raymond

Laboratory Order ID: 23L0566

Sample Conditions Checklist

Samples Received at:	**2.10°C**
How were samples received?	Logistics Courier
Were Custody Seals used? If so, were they received intact?	No
Are the custody papers filled out completely and correctly?	Yes
Do all bottle labels agree with custody papers?	Yes
Is the temperature blank or representative sample within acceptable limits or received on ice, and recently taken?	Yes
Are all samples within holding time for requested laboratory tests?	Yes
Is a sufficient amount of sample provided to perform the tests included?	Yes
Are all samples in appropriate containers for the analyses requested?	Yes
Were volatile organic containers received?	No
Are all volatile organic and TOX containers free of headspace?	NA
Is a trip blank provided for each VOC sample set? VOC sample sets include EPA8011, EPA504, EPA8260, EPA624, EPA8015 GRO, EPA8021, EPA524, and RSK-175.	NA
Are all samples received appropriately preserved? Note that metals containers do not require field preservation but lab preservation may delay analysis. In addition, field parameters are always received outside holding time and will be marked accordingly.	Yes

Work Order Comments

Trip blanks were added to the work order per the bottle labels (12/06/23 0945). Sarah Taylor and Tom Raymond notified via email. MRS 12/13/23 0926

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Certificate of Analysis

Client Name: S&ME - Raleigh

Client Site I.D.: Southside Park Landfill

Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

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Certificate of Analysis

Client Name: S&ME - Raleigh

Date Issued: 1/8/2024 5:19:06PM

Client Site I.D.: Southside Park Landfill

Submitted To: Tom Raymond

Laboratory Order ID: 23L0675

Sample Conditions Checklist

Samples Received at:	**1.40°C**
How were samples received?	Logistics Courier
Were Custody Seals used? If so, were they received intact?	No
Are the custody papers filled out completely and correctly?	No
Do all bottle labels agree with custody papers?	Yes
Is the temperature blank or representative sample within acceptable limits or received on ice, and recently taken?	Yes
Are all samples within holding time for requested laboratory tests?	Yes
Is a sufficient amount of sample provided to perform the tests included?	Yes
Are all samples in appropriate containers for the analyses requested?	Yes
Were volatile organic containers received?	Yes
Are all volatile organic and TOX containers free of headspace?	Yes
Is a trip blank provided for each VOC sample set? VOC sample sets include EPA8011, EPA504, EPA8260, EPA624, EPA8015 GRO, EPA8021, EPA524, and RSK-175.	Yes
Are all samples received appropriately preserved? Note that metals containers do not require field preservation but lab preservation may delay analysis. In addition, field parameters are always received outside holding time and will be marked accordingly.	Yes

Work Order Comments

Trip blanks were not indicated on the chain of custody, however, they were received with the samples and have been added to the work order. Sarah Taylor and Tom Raymond notified via email. CSB 12/13/23 1701

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Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

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Certificate of Analysis

Client Name: S&ME - Raleigh

Date Issued: 1/8/2024 5:19:06PM

Client Site I.D.: Southside Park Landfill

Submitted To: Tom Raymond

Laboratory Order ID: 23L0795

Sample Conditions Checklist

Samples Received at:	**4.30°C**
How were samples received?	Logistics Courier
Were Custody Seals used? If so, were they received intact?	No
Are the custody papers filled out completely and correctly?	No
Do all bottle labels agree with custody papers?	Yes
Is the temperature blank or representative sample within acceptable limits or received on ice, and recently taken?	Yes
Are all samples within holding time for requested laboratory tests?	Yes
Is a sufficient amount of sample provided to perform the tests included?	Yes
Are all samples in appropriate containers for the analyses requested?	Yes
Were volatile organic containers received?	No
Are all volatile organic and TOX containers free of headspace?	NA
Is a trip blank provided for each VOC sample set? VOC sample sets include EPA8011, EPA504, EPA8260, EPA624, EPA8015 GRO, EPA8021, EPA524, and RSK-175.	NA
Are all samples received appropriately preserved? Note that metals containers do not require field preservation but lab preservation may delay analysis. In addition, field parameters are always received outside holding time and will be marked accordingly.	Yes

Work Order Comments

Trip blanks were added to the work order per the bottle labels (12/06/23 0945). Sarah Taylor and Tom Raymond notified via email. MRS 12/14/23 0957

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Certificate of Analysis

Client Name: S&ME - Raleigh

Client Site I.D.: Southside Park Landfill

Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

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Certificate of Analysis

Client Name: S&ME - Raleigh

Date Issued: 1/8/2024 5:19:06PM

Client Site I.D.: Southside Park Landfill

Submitted To: Tom Raymond

Laboratory Order ID: 23L0912

Sample Conditions Checklist

Samples Received at:	**2.40°C**
How were samples received?	Logistics Courier
Were Custody Seals used? If so, were they received intact?	No
Are the custody papers filled out completely and correctly?	Yes
Do all bottle labels agree with custody papers?	Yes
Is the temperature blank or representative sample within acceptable limits or received on ice, and recently taken?	Yes
Are all samples within holding time for requested laboratory tests?	Yes
Is a sufficient amount of sample provided to perform the tests included?	Yes
Are all samples in appropriate containers for the analyses requested?	Yes
Were volatile organic containers received?	No
Are all volatile organic and TOX containers free of headspace?	NA
Is a trip blank provided for each VOC sample set? VOC sample sets include EPA8011, EPA504, EPA8260, EPA624, EPA8015 GRO, EPA8021, EPA524, and RSK-175.	NA
Are all samples received appropriately preserved? Note that metals containers do not require field preservation but lab preservation may delay analysis. In addition, field parameters are always received outside holding time and will be marked accordingly.	Yes

Work Order Comments

Trip blank collection date and time (12/06/23 0945) were logged per the bottle labels.
MRS 12/15/23 1408

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Certificate of Analysis

Client Name: S&ME - Raleigh

Client Site I.D.: Southside Park Landfill

Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

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Certificate of Analysis

Client Name: S&ME - Raleigh

Date Issued: 1/8/2024 5:19:06PM

Client Site I.D.: Southside Park Landfill

Submitted To: Tom Raymond

Laboratory Order ID: 23L1137

Sample Conditions Checklist

Samples Received at:	**0.90°C**
How were samples received?	Logistics Courier
Were Custody Seals used? If so, were they received intact?	No
Are the custody papers filled out completely and correctly?	Yes
Do all bottle labels agree with custody papers?	Yes
Is the temperature blank or representative sample within acceptable limits or received on ice, and recently taken?	Yes
Are all samples within holding time for requested laboratory tests?	Yes
Is a sufficient amount of sample provided to perform the tests included?	Yes
Are all samples in appropriate containers for the analyses requested?	Yes
Were volatile organic containers received?	Yes
Are all volatile organic and TOX containers free of headspace?	Yes
Is a trip blank provided for each VOC sample set? VOC sample sets include EPA8011, EPA504, EPA8260, EPA624, EPA8015 GRO, EPA8021, EPA524, and RSK-175.	Yes
Are all samples received appropriately preserved? Note that metals containers do not require field preservation but lab preservation may delay analysis. In addition, field parameters are always received outside holding time and will be marked accordingly.	Yes

Work Order Comments

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Certificate of Analysis

Client Name: S&ME - Raleigh

Client Site I.D.: Southside Park Landfill

Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

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Certificate of Analysis

Client Name: S&ME - Raleigh

Date Issued: 1/8/2024 5:19:06PM

Client Site I.D.: Southside Park Landfill

Submitted To: Tom Raymond

Laboratory Order ID: 23L1228

Sample Conditions Checklist

Samples Received at:	**2.70°C**
How were samples received?	Logistics Courier
Were Custody Seals used? If so, were they received intact?	No
Are the custody papers filled out completely and correctly?	Yes
Do all bottle labels agree with custody papers?	Yes
Is the temperature blank or representative sample within acceptable limits or received on ice, and recently taken?	Yes
Are all samples within holding time for requested laboratory tests?	Yes
Is a sufficient amount of sample provided to perform the tests included?	Yes
Are all samples in appropriate containers for the analyses requested?	Yes
Were volatile organic containers received?	Yes
Are all volatile organic and TOX containers free of headspace?	Yes
Is a trip blank provided for each VOC sample set? VOC sample sets include EPA8011, EPA504, EPA8260, EPA624, EPA8015 GRO, EPA8021, EPA524, and RSK-175.	Yes
Are all samples received appropriately preserved? Note that metals containers do not require field preservation but lab preservation may delay analysis. In addition, field parameters are always received outside holding time and will be marked accordingly.	Yes

Work Order Comments

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Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

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Certificate of Analysis

Client Name: S&ME - Raleigh

Date Issued: 1/8/2024 5:19:06PM

Client Site I.D.: Southside Park Landfill

Submitted To: Tom Raymond

Laboratory Order ID: 23L1295

Sample Conditions Checklist

Samples Received at:	**5.00°C**
How were samples received?	Logistics Courier
Were Custody Seals used? If so, were they received intact?	No
Are the custody papers filled out completely and correctly?	Yes
Do all bottle labels agree with custody papers?	No
Is the temperature blank or representative sample within acceptable limits or received on ice, and recently taken?	Yes
Are all samples within holding time for requested laboratory tests?	Yes
Is a sufficient amount of sample provided to perform the tests included?	Yes
Are all samples in appropriate containers for the analyses requested?	Yes
Were volatile organic containers received?	No
Are all volatile organic and TOX containers free of headspace?	NA
Is a trip blank provided for each VOC sample set? VOC sample sets include EPA8011, EPA504, EPA8260, EPA624, EPA8015 GRO, EPA8021, EPA524, and RSK-175.	NA
Are all samples received appropriately preserved? Note that metals containers do not require field preservation but lab preservation may delay analysis. In addition, field parameters are always received outside holding time and will be marked accordingly.	Yes

Work Order Comments

Tom Raymond and Sarah Taylor notified via email for two GC9oz jars being indicated with the sample ID: "BG-1-6"". KRC 12/21/23 1730

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Certificate of Analysis

Client Name: S&ME - Raleigh

Client Site I.D.: Southside Park Landfill

Submitted To: Tom Raymond

Date Issued: 1/8/2024 5:19:06PM

Enthalpy Analytical
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Analysis Detects Report

Date Issued: 3/4/2024 4:56:21PM

Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
Submitted To: Tom Raymond

Laboratory Sample ID: **24B0796-01** **Client Sample ID:** **SC-58**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	01	SW6020B	227		56.7	56.7	1	ug/kg dry
Arsenic	01	SW6020B	3320		56.7	56.7	1	ug/kg dry
Barium	01RE1	SW6020B	126000		11300	11300	20	ug/kg dry
Beryllium	01	SW6020B	571		56.7	56.7	1	ug/kg dry
Cadmium	01	SW6020B	144		56.7	56.7	1	ug/kg dry
Chromium	01	SW6020B	42000		56.7	2830	1	ug/kg dry
Cobalt	01	SW6020B	19700		56.7	56.7	1	ug/kg dry
Copper	01	SW6020B	49600		56.7	56.7	1	ug/kg dry
Lead	01RE1	SW6020B	70400		1130	1130	20	ug/kg dry
Manganese	01RE1	SW6020B	602000		1130	1130	20	ug/kg dry
Mercury	01RE2	SW7471B	1.95		0.197	0.197	10	mg/kg dry
Nickel	01	SW6020B	23600		56.7	56.7	1	ug/kg dry
Selenium	01	SW6020B	1630		56.7	56.7	1	ug/kg dry
Silver	01	SW6020B	32.4		2.83	2.83	1	ug/kg dry
Thallium	01	SW6020B	131		56.7	56.7	1	ug/kg dry
Vanadium	01RE1	SW6020B	92100		5670	5670	20	ug/kg dry
Zinc	01RE1	SW6020B	92900		5670	5670	20	ug/kg dry
Acetone	01	SW8260D	71.6		9.07	10.0	1	ug/kg dry
Benzo (a) pyrene	01	SW8270E	428		401	401	4	ug/kg dry
Benzo (b) fluoranthene	01	SW8270E	641		401	401	4	ug/kg dry
Sulfate	01	SW9056A	9.32	J	3.08	12.3	1	mg/kg dry
Chromium, Hexavalent	01	SW7199	0.74		0.25	0.25	1	mg/kg dry
Nitrate as N	01	SW9056A	4.64		1.23	2.46	1	mg/kg dry

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Analysis Detects Report

Date Issued: 3/4/2024 4:56:21PM

Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
Submitted To: Tom Raymond

Laboratory Sample ID: **24B0796-02** **Client Sample ID:** **SC-57**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Arsenic	02	SW6020B	2210		62.2	62.2	1	ug/kg dry
Barium	02RE1	SW6020B	53600		6220	6220	10	ug/kg dry
Beryllium	02	SW6020B	488		62.2	62.2	1	ug/kg dry
Chromium	02	SW6020B	49600		62.2	3110	1	ug/kg dry
Cobalt	02	SW6020B	12700		62.2	62.2	1	ug/kg dry
Copper	02	SW6020B	40900		62.2	62.2	1	ug/kg dry
Lead	02	SW6020B	12800		62.2	62.2	1	ug/kg dry
Manganese	02RE1	SW6020B	371000		622	622	10	ug/kg dry
Mercury	02	SW7471B	0.061		0.010	0.010	1	mg/kg dry
Nickel	02	SW6020B	11600		62.2	62.2	1	ug/kg dry
Selenium	02	SW6020B	1450		62.2	62.2	1	ug/kg dry
Silver	02	SW6020B	14.2		3.11	3.11	1	ug/kg dry
Thallium	02	SW6020B	72.2		62.2	62.2	1	ug/kg dry
Vanadium	02RE1	SW6020B	132000		3110	3110	10	ug/kg dry
Zinc	02	SW6020B	37000		311	311	1	ug/kg dry
Acetone	02	SW8260D	51.7		9.09	10.0	1	ug/kg dry
Sulfate	02	SW9056A	43.5		3.26	13.1	1	mg/kg dry
Chromium, Hexavalent	02	SW7199	0.72		0.26	0.26	1	mg/kg dry
Nitrate as N	02	SW9056A	4.06		1.31	2.61	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
Submitted To: Tom Raymond

Laboratory Sample ID: **24B0796-03** **Client Sample ID:** **SC-59**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	03	SW6020B	5190		59.3	59.3	1	ug/kg dry
Arsenic	03RE1	SW6020B	76000		5930	5930	100	ug/kg dry
Barium	03RE1	SW6020B	115000		59300	59300	100	ug/kg dry
Beryllium	03	SW6020B	442		59.3	59.3	1	ug/kg dry
Cadmium	03	SW6020B	551		59.3	59.3	1	ug/kg dry
Chromium	03	SW6020B	42200		59.3	2960	1	ug/kg dry
Cobalt	03	SW6020B	9970		59.3	59.3	1	ug/kg dry
Copper	03RE1	SW6020B	141000		5930	5930	100	ug/kg dry
Lead	03RE1	SW6020B	3450000		5930	5930	100	ug/kg dry
Manganese	03RE1	SW6020B	362000		5930	5930	100	ug/kg dry
Mercury	03RE1	SW7471B	3.53		0.394	0.394	20	mg/kg dry
Nickel	03	SW6020B	14900		59.3	59.3	1	ug/kg dry
Selenium	03	SW6020B	10400		59.3	59.3	1	ug/kg dry
Silver	03	SW6020B	408		2.96	2.96	1	ug/kg dry
Thallium	03	SW6020B	400		59.3	59.3	1	ug/kg dry
Vanadium	03RE1	SW6020B	93900		29600	29600	100	ug/kg dry
Zinc	03RE1	SW6020B	171000		29600	29600	100	ug/kg dry
Acetone	03	SW8260D	42.2		8.76	10.0	1	ug/kg dry
Sulfate	03	SW9056A	200		3.08	12.3	1	mg/kg dry
Chromium, Hexavalent	03	SW7199	1.47		0.25	0.25	1	mg/kg dry
Nitrate as N	03	SW9056A	3.79		1.23	2.47	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **24B0796-04** **Client Sample ID:** **SC-64**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	04	SW6020B	14400		58.9	58.9	1	ug/kg dry
Arsenic	04RE1	SW6020B	115000		2950	2950	50	ug/kg dry
Barium	04RE1	SW6020B	125000		29500	29500	50	ug/kg dry
Beryllium	04	SW6020B	758		58.9	58.9	1	ug/kg dry
Cadmium	04	SW6020B	1240		58.9	58.9	1	ug/kg dry
Chromium	04	SW6020B	44900		58.9	2950	1	ug/kg dry
Cobalt	04	SW6020B	8260		58.9	58.9	1	ug/kg dry
Copper	04RE1	SW6020B	182000		2950	2950	50	ug/kg dry
Lead	04RE2	SW6020B	78800000		589000	589000	10000	ug/kg dry
Manganese	04RE1	SW6020B	295000		2950	2950	50	ug/kg dry
Mercury	04RE3	SW7471B	16.7		0.937	0.937	50	mg/kg dry
Nickel	04	SW6020B	17300		58.9	58.9	1	ug/kg dry
Selenium	04	SW6020B	16700		58.9	58.9	1	ug/kg dry
Silver	04RE1	SW6020B	1430		300	300	10	ug/kg dry
Thallium	04RE2	SW6020B	513		295	295	5	ug/kg dry
Vanadium	04RE1	SW6020B	70000		14700	14700	50	ug/kg dry
Zinc	04RE1	SW6020B	610000		14700	14700	50	ug/kg dry
Acetone	04	SW8260D	42.0		8.88	10.0	1	ug/kg dry
Fluoranthene	04	SW8270E	1150		1000	1000	10	ug/kg dry
Pyrene	04	SW8270E	1280		1000	1000	10	ug/kg dry
Sulfate	04	SW9056A	77.8		3.15	12.6	1	mg/kg dry
Chromium, Hexavalent	04	SW7199	2.66		0.25	0.25	1	mg/kg dry
Nitrate as N	04	SW9056A	3.37		1.26	2.52	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
Submitted To: Tom Raymond

Laboratory Sample ID: **24B0796-05** **Client Sample ID:** **SC-62**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	05	SW6020B	1630		62.2	62.2	1	ug/kg dry
Arsenic	05	SW6020B	8190		62.2	62.2	1	ug/kg dry
Barium	05RE1	SW6020B	294000		12400	12400	20	ug/kg dry
Beryllium	05	SW6020B	930		62.2	62.2	1	ug/kg dry
Cadmium	05	SW6020B	945		62.2	62.2	1	ug/kg dry
Chromium	05	SW6020B	54400		62.2	3110	1	ug/kg dry
Cobalt	05	SW6020B	18500		62.2	62.2	1	ug/kg dry
Copper	05RE1	SW6020B	96600		1240	1240	20	ug/kg dry
Lead	05RE1	SW6020B	303000		1240	1240	20	ug/kg dry
Manganese	05RE1	SW6020B	488000		1240	1240	20	ug/kg dry
Mercury	05	SW7471B	0.186		0.010	0.010	1	mg/kg dry
Nickel	05	SW6020B	27300		62.2	62.2	1	ug/kg dry
Selenium	05	SW6020B	2480		62.2	62.2	1	ug/kg dry
Silver	05	SW6020B	255		3.11	3.11	1	ug/kg dry
Thallium	05	SW6020B	180		62.2	62.2	1	ug/kg dry
Vanadium	05RE1	SW6020B	104000		6220	6220	20	ug/kg dry
Zinc	05RE1	SW6020B	1040000		6220	6220	20	ug/kg dry
Sulfate	05	SW9056A	35.1		3.19	12.7	1	mg/kg dry
Chromium, Hexavalent	05	SW7199	0.63		0.25	0.25	1	mg/kg dry
Nitrate as N	05	SW9056A	1.33	J	1.27	2.55	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
Submitted To: Tom Raymond

Laboratory Sample ID: **24B0796-06** **Client Sample ID:** **Dup 8**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	06	SW6020B	868		57.3	57.3	1	ug/kg dry
Arsenic	06	SW6020B	11500		57.3	57.3	1	ug/kg dry
Barium	06RE1	SW6020B	156000		11500	11500	20	ug/kg dry
Beryllium	06	SW6020B	482		57.3	57.3	1	ug/kg dry
Cadmium	06	SW6020B	381		57.3	57.3	1	ug/kg dry
Chromium	06	SW6020B	42300		57.3	2860	1	ug/kg dry
Cobalt	06	SW6020B	17700		57.3	57.3	1	ug/kg dry
Copper	06RE1	SW6020B	87600		1150	1150	20	ug/kg dry
Lead	06RE1	SW6020B	358000		1150	1150	20	ug/kg dry
Manganese	06RE1	SW6020B	650000		1150	1150	20	ug/kg dry
Mercury	06RE1	SW7471B	1.06		0.090	0.090	5	mg/kg dry
Nickel	06	SW6020B	24200		57.3	57.3	1	ug/kg dry
Selenium	06	SW6020B	3510		57.3	57.3	1	ug/kg dry
Silver	06	SW6020B	151		2.86	2.86	1	ug/kg dry
Thallium	06	SW6020B	195		57.3	57.3	1	ug/kg dry
Vanadium	06RE1	SW6020B	81200		5730	5730	20	ug/kg dry
Zinc	06RE1	SW6020B	115000		5730	5730	20	ug/kg dry
Sulfate	06	SW9056A	17.5		3.04	12.2	1	mg/kg dry
Chromium, Hexavalent	06	SW7199	0.80		0.24	0.24	1	mg/kg dry
Nitrate as N	06	SW9056A	3.47		1.22	2.43	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **24B0963-01** **Client Sample ID:** **BG-101**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	01	SW6020B	339		57.5	57.5	1	ug/kg dry
Arsenic	01	SW6020B	2150		57.5	57.5	1	ug/kg dry
Barium	01RE1	SW6020B	146000		57500	57500	100	ug/kg dry
Beryllium	01	SW6020B	784		57.5	57.5	1	ug/kg dry
Cadmium	01	SW6020B	114		57.5	57.5	1	ug/kg dry
Chromium	01	SW6020B	49800		57.5	57.5	1	ug/kg dry
Cobalt	01	SW6020B	21600		57.5	57.5	1	ug/kg dry
Copper	01	SW6020B	37900		57.5	57.5	1	ug/kg dry
Lead	01	SW6020B	50400		57.5	57.5	1	ug/kg dry
Manganese	01RE1	SW6020B	1010000		5750	5750	100	ug/kg dry
Mercury	01	SW7471B	0.092		0.010	0.010	1	mg/kg dry
Nickel	01	SW6020B	23200		57.5	57.5	1	ug/kg dry
Selenium	01	SW6020B	2530		57.5	57.5	1	ug/kg dry
Silver	01	SW6020B	51.2		2.88	2.88	1	ug/kg dry
Thallium	01	SW6020B	124		57.5	57.5	1	ug/kg dry
Vanadium	01RE1	SW6020B	127000		28800	28800	100	ug/kg dry
Zinc	01RE1	SW6020B	94200		28800	28800	100	ug/kg dry
Chromium, Hexavalent	01	SW7199	0.51		0.25	0.25	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **24B0963-02** **Client Sample ID:** **BG-102**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	02	SW6020B	347		62.4	62.4	1	ug/kg dry
Arsenic	02	SW6020B	2370		62.4	62.4	1	ug/kg dry
Barium	02RE1	SW6020B	127000		62400	62400	100	ug/kg dry
Beryllium	02	SW6020B	934		62.4	62.4	1	ug/kg dry
Cadmium	02	SW6020B	676		62.4	62.4	1	ug/kg dry
Chromium	02	SW6020B	38800		62.4	62.4	1	ug/kg dry
Cobalt	02	SW6020B	20400		62.4	62.4	1	ug/kg dry
Copper	02	SW6020B	41400		62.4	62.4	1	ug/kg dry
Lead	02	SW6020B	39300		62.4	62.4	1	ug/kg dry
Manganese	02RE1	SW6020B	1350000		6240	6240	100	ug/kg dry
Mercury	02	SW7471B	0.158		0.010	0.010	1	mg/kg dry
Nickel	02	SW6020B	15100		62.4	62.4	1	ug/kg dry
Selenium	02	SW6020B	2390		62.4	62.4	1	ug/kg dry
Silver	02	SW6020B	40.8		3.12	3.12	1	ug/kg dry
Thallium	02	SW6020B	154		62.4	62.4	1	ug/kg dry
Vanadium	02RE1	SW6020B	122000		31200	31200	100	ug/kg dry
Zinc	02RE1	SW6020B	92700		31200	31200	100	ug/kg dry
Chromium, Hexavalent	02	SW7199	0.42		0.25	0.25	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **24B0963-03** **Client Sample ID:** **BG-103**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	03	SW6020B	208		57.5	57.5	1	ug/kg dry
Arsenic	03	SW6020B	2500		57.5	57.5	1	ug/kg dry
Barium	03RE1	SW6020B	75600		57500	57500	100	ug/kg dry
Beryllium	03	SW6020B	265		57.5	57.5	1	ug/kg dry
Cadmium	03	SW6020B	159		57.5	57.5	1	ug/kg dry
Chromium	03	SW6020B	26100		57.5	57.5	1	ug/kg dry
Cobalt	03	SW6020B	10600		57.5	57.5	1	ug/kg dry
Copper	03	SW6020B	25900		57.5	57.5	1	ug/kg dry
Lead	03	SW6020B	22600		57.5	57.5	1	ug/kg dry
Manganese	03RE1	SW6020B	467000		5750	5750	100	ug/kg dry
Mercury	03	SW7471B	0.054		0.010	0.010	1	mg/kg dry
Nickel	03	SW6020B	10300		57.5	57.5	1	ug/kg dry
Selenium	03	SW6020B	956		57.5	57.5	1	ug/kg dry
Silver	03	SW6020B	47.1		2.88	2.88	1	ug/kg dry
Vanadium	03RE1	SW6020B	56300		28800	28800	100	ug/kg dry
Zinc	03RE1	SW6020B	96400		28800	28800	100	ug/kg dry
Chromium, Hexavalent	03	SW7199	0.34		0.25	0.25	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **24B0963-04** **Client Sample ID:** **BG-104**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	04	SW6020B	341		64.7	64.7	1	ug/kg dry
Arsenic	04	SW6020B	5300		64.7	64.7	1	ug/kg dry
Barium	04RE1	SW6020B	88200		64700	64700	100	ug/kg dry
Beryllium	04	SW6020B	326		64.7	64.7	1	ug/kg dry
Cadmium	04	SW6020B	283		64.7	64.7	1	ug/kg dry
Chromium	04	SW6020B	30700		64.7	64.7	1	ug/kg dry
Cobalt	04	SW6020B	12600		64.7	64.7	1	ug/kg dry
Copper	04	SW6020B	32300		64.7	64.7	1	ug/kg dry
Lead	04RE1	SW6020B	67400		6470	6470	100	ug/kg dry
Manganese	04RE1	SW6020B	589000		6470	6470	100	ug/kg dry
Mercury	04	SW7471B	0.085		0.010	0.010	1	mg/kg dry
Nickel	04	SW6020B	13500		64.7	64.7	1	ug/kg dry
Selenium	04	SW6020B	1690		64.7	64.7	1	ug/kg dry
Silver	04	SW6020B	120		3.23	3.23	1	ug/kg dry
Vanadium	04RE1	SW6020B	67700		32300	32300	100	ug/kg dry
Zinc	04RE1	SW6020B	114000		32300	32300	100	ug/kg dry
Chromium, Hexavalent	04	SW7199	1.08		0.26	0.26	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
Submitted To: Tom Raymond

Laboratory Sample ID: **24B0963-05** **Client Sample ID:** **BG-105**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	05	SW6020B	218		59.7	59.7	1	ug/kg dry
Arsenic	05	SW6020B	2690		59.7	59.7	1	ug/kg dry
Barium	05RE1	SW6020B	103000		59700	59700	100	ug/kg dry
Beryllium	05	SW6020B	392		59.7	59.7	1	ug/kg dry
Cadmium	05	SW6020B	189		59.7	59.7	1	ug/kg dry
Chromium	05	SW6020B	33500		59.7	59.7	1	ug/kg dry
Cobalt	05	SW6020B	14100		59.7	59.7	1	ug/kg dry
Copper	05	SW6020B	36100		59.7	59.7	1	ug/kg dry
Lead	05	SW6020B	26000		59.7	59.7	1	ug/kg dry
Manganese	05RE1	SW6020B	621000		5970	5970	100	ug/kg dry
Mercury	05	SW7471B	0.079		0.010	0.010	1	mg/kg dry
Nickel	05	SW6020B	14400		59.7	59.7	1	ug/kg dry
Selenium	05	SW6020B	1310		59.7	59.7	1	ug/kg dry
Silver	05	SW6020B	87.8		2.99	2.99	1	ug/kg dry
Thallium	05	SW6020B	73.0		59.7	59.7	1	ug/kg dry
Vanadium	05RE1	SW6020B	75200		29900	29900	100	ug/kg dry
Zinc	05RE1	SW6020B	93000		29900	29900	100	ug/kg dry
Chromium, Hexavalent	05	SW7199	0.91		0.26	0.26	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
Submitted To: Tom Raymond

Laboratory Sample ID: **24B0963-06** **Client Sample ID:** **BG-106**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	06	SW6020B	172		59.1	59.1	1	ug/kg dry
Arsenic	06	SW6020B	1790		59.1	59.1	1	ug/kg dry
Barium	06RE1	SW6020B	154000		59100	59100	100	ug/kg dry
Beryllium	06	SW6020B	437		59.1	59.1	1	ug/kg dry
Cadmium	06	SW6020B	176		59.1	59.1	1	ug/kg dry
Chromium	06	SW6020B	28500		59.1	59.1	1	ug/kg dry
Cobalt	06	SW6020B	14000		59.1	59.1	1	ug/kg dry
Copper	06	SW6020B	31800		59.1	59.1	1	ug/kg dry
Lead	06	SW6020B	19900		59.1	59.1	1	ug/kg dry
Manganese	06RE1	SW6020B	706000		5910	5910	100	ug/kg dry
Mercury	06	SW7471B	0.109		0.010	0.010	1	mg/kg dry
Nickel	06	SW6020B	12800		59.1	59.1	1	ug/kg dry
Selenium	06	SW6020B	1000		59.1	59.1	1	ug/kg dry
Silver	06	SW6020B	66.3		2.96	2.96	1	ug/kg dry
Thallium	06	SW6020B	96.7		59.1	59.1	1	ug/kg dry
Vanadium	06RE1	SW6020B	77900		29600	29600	100	ug/kg dry
Zinc	06RE1	SW6020B	103000		29600	29600	100	ug/kg dry
Chromium, Hexavalent	06	SW7199	0.80		0.25	0.25	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **24B0963-07** **Client Sample ID:** **BG-107**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	07	SW6020B	131		61.4	61.4	1	ug/kg dry
Arsenic	07	SW6020B	2010		61.4	61.4	1	ug/kg dry
Barium	07RE1	SW6020B	97600		61400	61400	100	ug/kg dry
Beryllium	07	SW6020B	411		61.4	61.4	1	ug/kg dry
Cadmium	07	SW6020B	144		61.4	61.4	1	ug/kg dry
Chromium	07	SW6020B	36100		61.4	61.4	1	ug/kg dry
Cobalt	07	SW6020B	13000		61.4	61.4	1	ug/kg dry
Copper	07	SW6020B	34100		61.4	61.4	1	ug/kg dry
Lead	07	SW6020B	20800		61.4	61.4	1	ug/kg dry
Manganese	07RE1	SW6020B	536000		6140	6140	100	ug/kg dry
Mercury	07	SW7471B	0.168		0.019	0.019	1	mg/kg dry
Nickel	07	SW6020B	13500		61.4	61.4	1	ug/kg dry
Selenium	07	SW6020B	1230		61.4	61.4	1	ug/kg dry
Silver	07	SW6020B	62.0		3.07	3.07	1	ug/kg dry
Thallium	07	SW6020B	74.3		61.4	61.4	1	ug/kg dry
Vanadium	07RE1	SW6020B	73900		30700	30700	100	ug/kg dry
Zinc	07RE1	SW6020B	80700		30700	30700	100	ug/kg dry
Chromium, Hexavalent	07	SW7199	0.83		0.25	0.25	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
Submitted To: Tom Raymond

Laboratory Sample ID: **24B0963-08** **Client Sample ID:** **BG-108**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	08	SW6020B	254		57.2	57.2	1	ug/kg dry
Arsenic	08	SW6020B	3360		57.2	57.2	1	ug/kg dry
Barium	08RE1	SW6020B	90200		57200	57200	100	ug/kg dry
Beryllium	08	SW6020B	341		57.2	57.2	1	ug/kg dry
Cadmium	08	SW6020B	252		57.2	57.2	1	ug/kg dry
Chromium	08	SW6020B	30000		57.2	57.2	1	ug/kg dry
Cobalt	08	SW6020B	12300		57.2	57.2	1	ug/kg dry
Copper	08	SW6020B	32500		57.2	57.2	1	ug/kg dry
Lead	08	SW6020B	32300		57.2	57.2	1	ug/kg dry
Manganese	08RE1	SW6020B	575000		5720	5720	100	ug/kg dry
Mercury	08	SW7471B	0.123		0.010	0.010	1	mg/kg dry
Nickel	08	SW6020B	12200		57.2	57.2	1	ug/kg dry
Selenium	08	SW6020B	1050		57.2	57.2	1	ug/kg dry
Silver	08	SW6020B	101		2.86	2.86	1	ug/kg dry
Thallium	08	SW6020B	67.0		57.2	57.2	1	ug/kg dry
Vanadium	08RE1	SW6020B	64500		28600	28600	100	ug/kg dry
Zinc	08RE1	SW6020B	130000		28600	28600	100	ug/kg dry
Chromium, Hexavalent	08	SW7199	0.70		0.24	0.24	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **24B0963-09** **Client Sample ID:** **BG-109**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	09	SW6020B	393		57.0	57.0	1	ug/kg dry
Arsenic	09	SW6020B	3660		57.0	57.0	1	ug/kg dry
Barium	09RE1	SW6020B	149000		57000	57000	100	ug/kg dry
Beryllium	09	SW6020B	650		57.0	57.0	1	ug/kg dry
Cadmium	09	SW6020B	525		57.0	57.0	1	ug/kg dry
Chromium	09	SW6020B	39900		57.0	57.0	1	ug/kg dry
Cobalt	09	SW6020B	16400		57.0	57.0	1	ug/kg dry
Copper	09	SW6020B	49700		57.0	57.0	1	ug/kg dry
Lead	09	SW6020B	49200		57.0	57.0	1	ug/kg dry
Manganese	09RE1	SW6020B	1040000		5700	5700	100	ug/kg dry
Mercury	09RE1	SW7471B	0.299		0.029	0.029	3	mg/kg dry
Nickel	09	SW6020B	18200		57.0	57.0	1	ug/kg dry
Selenium	09	SW6020B	1760		57.0	57.0	1	ug/kg dry
Silver	09	SW6020B	143		2.85	2.85	1	ug/kg dry
Thallium	09	SW6020B	122		57.0	57.0	1	ug/kg dry
Vanadium	09RE1	SW6020B	115000		28500	28500	100	ug/kg dry
Zinc	09RE1	SW6020B	147000		28500	28500	100	ug/kg dry
Chromium, Hexavalent	09	SW7199	0.72		0.24	0.24	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
Submitted To: Tom Raymond

Laboratory Sample ID: **24B0963-10** **Client Sample ID:** **BG-110**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	10	SW6020B	1460		57.5	57.5	1	ug/kg dry
Arsenic	10	SW6020B	3050		57.5	57.5	1	ug/kg dry
Barium	10RE1	SW6020B	120000		57500	57500	100	ug/kg dry
Beryllium	10	SW6020B	513		57.5	57.5	1	ug/kg dry
Cadmium	10	SW6020B	400		57.5	57.5	1	ug/kg dry
Chromium	10	SW6020B	41600		57.5	57.5	1	ug/kg dry
Cobalt	10	SW6020B	12300		57.5	57.5	1	ug/kg dry
Copper	10	SW6020B	48200		57.5	57.5	1	ug/kg dry
Lead	10RE1	SW6020B	66600		5750	5750	100	ug/kg dry
Manganese	10RE1	SW6020B	623000		5750	5750	100	ug/kg dry
Mercury	10RE1	SW7471B	0.481		0.037	0.037	2	mg/kg dry
Nickel	10	SW6020B	16700		57.5	57.5	1	ug/kg dry
Selenium	10	SW6020B	1600		57.5	57.5	1	ug/kg dry
Silver	10	SW6020B	1430		2.88	2.88	1	ug/kg dry
Thallium	10	SW6020B	87.7		57.5	57.5	1	ug/kg dry
Vanadium	10RE1	SW6020B	100000		28800	28800	100	ug/kg dry
Zinc	10RE1	SW6020B	87400		28800	28800	100	ug/kg dry
Chromium, Hexavalent	10	SW7199	1.50		0.24	0.24	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
Submitted To: Tom Raymond

Laboratory Sample ID: **24B0963-11** **Client Sample ID:** **BG-111**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Arsenic	11	SW6020B	1470		61.3	61.3	1	ug/kg dry
Barium	11RE1	SW6020B	184000		61300	61300	100	ug/kg dry
Beryllium	11	SW6020B	728		61.3	61.3	1	ug/kg dry
Chromium	11	SW6020B	37900		61.3	61.3	1	ug/kg dry
Cobalt	11	SW6020B	15700		61.3	61.3	1	ug/kg dry
Copper	11	SW6020B	34500		61.3	61.3	1	ug/kg dry
Lead	11	SW6020B	10500		61.3	61.3	1	ug/kg dry
Manganese	11RE1	SW6020B	826000		6130	6130	100	ug/kg dry
Mercury	11	SW7471B	0.030		0.010	0.010	1	mg/kg dry
Nickel	11	SW6020B	17800		61.3	61.3	1	ug/kg dry
Selenium	11	SW6020B	1620		61.3	61.3	1	ug/kg dry
Silver	11	SW6020B	19.7		3.07	3.07	1	ug/kg dry
Thallium	11	SW6020B	103		61.3	61.3	1	ug/kg dry
Vanadium	11RE1	SW6020B	95600		30700	30700	100	ug/kg dry
Zinc	11RE1	SW6020B	69000		30700	30700	100	ug/kg dry
Chromium, Hexavalent	11	SW7199	0.26		0.25	0.25	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
Submitted To: Tom Raymond

Laboratory Sample ID: **24B0963-12** **Client Sample ID:** **BG-112**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Arsenic	12	SW6020B	1510		61.1	61.1	1	ug/kg dry
Barium	12RE1	SW6020B	173000		61100	61100	100	ug/kg dry
Beryllium	12	SW6020B	575		61.1	61.1	1	ug/kg dry
Chromium	12	SW6020B	28500		61.1	61.1	1	ug/kg dry
Cobalt	12	SW6020B	15000		61.1	61.1	1	ug/kg dry
Copper	12	SW6020B	35900		61.1	61.1	1	ug/kg dry
Lead	12	SW6020B	9140		61.1	61.1	1	ug/kg dry
Manganese	12RE1	SW6020B	854000		6110	6110	100	ug/kg dry
Mercury	12	SW7471B	0.039		0.010	0.010	1	mg/kg dry
Nickel	12	SW6020B	13200		61.1	61.1	1	ug/kg dry
Selenium	12	SW6020B	1370		61.1	61.1	1	ug/kg dry
Silver	12	SW6020B	22.3		3.06	3.06	1	ug/kg dry
Thallium	12	SW6020B	90.6		61.1	61.1	1	ug/kg dry
Vanadium	12RE1	SW6020B	84800		30600	30600	100	ug/kg dry
Zinc	12RE1	SW6020B	62200		30600	30600	100	ug/kg dry
Chromium, Hexavalent	12	SW7199	0.27		0.24	0.24	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **24B0963-13** **Client Sample ID:** **BG-113**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	13	SW6020B	58.9		55.4	55.4	1	ug/kg dry
Arsenic	13	SW6020B	1100		55.4	55.4	1	ug/kg dry
Barium	13RE1	SW6020B	160000		55400	55400	100	ug/kg dry
Beryllium	13	SW6020B	443		55.4	55.4	1	ug/kg dry
Cadmium	13	SW6020B	68.8		55.4	55.4	1	ug/kg dry
Chromium	13	SW6020B	38900		55.4	55.4	1	ug/kg dry
Cobalt	13	SW6020B	16200		55.4	55.4	1	ug/kg dry
Copper	13	SW6020B	39800		55.4	55.4	1	ug/kg dry
Lead	13	SW6020B	13900		55.4	55.4	1	ug/kg dry
Manganese	13RE1	SW6020B	794000		5540	5540	100	ug/kg dry
Mercury	13	SW7471B	0.035		0.009	0.009	1	mg/kg dry
Nickel	13	SW6020B	17700		55.4	55.4	1	ug/kg dry
Selenium	13	SW6020B	1100		55.4	55.4	1	ug/kg dry
Silver	13	SW6020B	33.6		2.77	2.77	1	ug/kg dry
Thallium	13	SW6020B	113		55.4	55.4	1	ug/kg dry
Vanadium	13RE1	SW6020B	76200		27700	27700	100	ug/kg dry
Zinc	13RE1	SW6020B	63300		27700	27700	100	ug/kg dry
Chromium, Hexavalent	13	SW7199	0.31		0.23	0.23	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
Submitted To: Tom Raymond

Laboratory Sample ID: **24B0963-14** **Client Sample ID:** **BG-114**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	14	SW6020B	62.0		55.5	55.5	1	ug/kg dry
Arsenic	14	SW6020B	1340		55.5	55.5	1	ug/kg dry
Barium	14RE1	SW6020B	168000		55500	55500	100	ug/kg dry
Beryllium	14	SW6020B	500		55.5	55.5	1	ug/kg dry
Chromium	14	SW6020B	28200		55.5	55.5	1	ug/kg dry
Cobalt	14	SW6020B	12400		55.5	55.5	1	ug/kg dry
Copper	14	SW6020B	30800		55.5	55.5	1	ug/kg dry
Lead	14	SW6020B	8970		55.5	55.5	1	ug/kg dry
Manganese	14RE1	SW6020B	689000		5550	5550	100	ug/kg dry
Mercury	14	SW7471B	0.024		0.010	0.010	1	mg/kg dry
Nickel	14	SW6020B	10500		55.5	55.5	1	ug/kg dry
Selenium	14	SW6020B	1330		55.5	55.5	1	ug/kg dry
Silver	14	SW6020B	25.2		2.78	2.78	1	ug/kg dry
Thallium	14	SW6020B	82.6		55.5	55.5	1	ug/kg dry
Vanadium	14RE1	SW6020B	84900		27800	27800	100	ug/kg dry
Zinc	14RE1	SW6020B	61700		27800	27800	100	ug/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
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Laboratory Sample ID: **24B0963-15** **Client Sample ID:** **BG-115**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	15	SW6020B	252		59.8	59.8	1	ug/kg dry
Arsenic	15	SW6020B	2860		59.8	59.8	1	ug/kg dry
Barium	15RE1	SW6020B	126000		59800	59800	100	ug/kg dry
Beryllium	15	SW6020B	576		59.8	59.8	1	ug/kg dry
Cadmium	15	SW6020B	135		59.8	59.8	1	ug/kg dry
Chromium	15	SW6020B	36100		59.8	59.8	1	ug/kg dry
Cobalt	15	SW6020B	16300		59.8	59.8	1	ug/kg dry
Copper	15	SW6020B	33600		59.8	59.8	1	ug/kg dry
Lead	15	SW6020B	26200		59.8	59.8	1	ug/kg dry
Manganese	15RE1	SW6020B	1080000		5980	5980	100	ug/kg dry
Mercury	15RE1	SW7471B	0.341		0.029	0.029	3	mg/kg dry
Nickel	15	SW6020B	11100		59.8	59.8	1	ug/kg dry
Selenium	15	SW6020B	1870		59.8	59.8	1	ug/kg dry
Silver	15	SW6020B	82.0		2.99	2.99	1	ug/kg dry
Thallium	15	SW6020B	115		59.8	59.8	1	ug/kg dry
Vanadium	15RE1	SW6020B	100000		29900	29900	100	ug/kg dry
Zinc	15RE1	SW6020B	61900		29900	29900	100	ug/kg dry
Chromium, Hexavalent	15RE1	SW7199	0.52	M3	0.24	0.24	1	mg/kg dry

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Client Name: S&ME - Raleigh
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Laboratory Sample ID: **24B0963-16** **Client Sample ID:** **BG-116**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	16	SW6020B	91.4		60.0	60.0	1	ug/kg dry
Arsenic	16	SW6020B	1740		60.0	60.0	1	ug/kg dry
Barium	16	SW6020B	104000		600	600	1	ug/kg dry
Beryllium	16	SW6020B	387		60.0	60.0	1	ug/kg dry
Cadmium	16	SW6020B	92.4		60.0	60.0	1	ug/kg dry
Chromium	16	SW6020B	34300		60.0	60.0	1	ug/kg dry
Cobalt	16	SW6020B	13900		60.0	60.0	1	ug/kg dry
Copper	16	SW6020B	41500		60.0	60.0	1	ug/kg dry
Lead	16	SW6020B	18900		60.0	60.0	1	ug/kg dry
Manganese	16	SW6020B	510000		60.0	60.0	1	ug/kg dry
Mercury	16	SW7471B	0.163		0.010	0.010	1	mg/kg dry
Nickel	16	SW6020B	13300		60.0	60.0	1	ug/kg dry
Selenium	16	SW6020B	1080		60.0	60.0	1	ug/kg dry
Silver	16	SW6020B	59.9		3.00	3.00	1	ug/kg dry
Thallium	16	SW6020B	84.1		60.0	60.0	1	ug/kg dry
Vanadium	16	SW6020B	77500		300	300	1	ug/kg dry
Zinc	16	SW6020B	63100		300	300	1	ug/kg dry
Chromium, Hexavalent	16	SW7199	0.42		0.24	0.24	1	mg/kg dry

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Client Name: S&ME - Raleigh
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Laboratory Sample ID: **24B0963-17** **Client Sample ID:** **BG-117**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	17	SW6020B	71.9		58.3	58.3	1	ug/kg dry
Arsenic	17	SW6020B	1470		58.3	58.3	1	ug/kg dry
Barium	17	SW6020B	179000		583	583	1	ug/kg dry
Beryllium	17	SW6020B	418		58.3	58.3	1	ug/kg dry
Chromium	17	SW6020B	11400		58.3	58.3	1	ug/kg dry
Cobalt	17	SW6020B	11400		58.3	58.3	1	ug/kg dry
Copper	17	SW6020B	19900		58.3	58.3	1	ug/kg dry
Lead	17	SW6020B	9200		58.3	58.3	1	ug/kg dry
Manganese	17	SW6020B	309000		58.3	58.3	1	ug/kg dry
Mercury	17	SW7471B	0.043		0.009	0.009	1	mg/kg dry
Nickel	17	SW6020B	7970		58.3	58.3	1	ug/kg dry
Selenium	17	SW6020B	1180		58.3	58.3	1	ug/kg dry
Silver	17	SW6020B	21.3		2.91	2.91	1	ug/kg dry
Vanadium	17	SW6020B	61600		291	291	1	ug/kg dry
Zinc	17	SW6020B	54800		291	291	1	ug/kg dry

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Client Name: S&ME - Raleigh
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Laboratory Sample ID: **24B0963-18** **Client Sample ID:** **BG-118**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	18	SW6020B	124		62.2	62.2	1	ug/kg dry
Arsenic	18	SW6020B	1740		62.2	62.2	1	ug/kg dry
Barium	18	SW6020B	187000		622	622	1	ug/kg dry
Beryllium	18	SW6020B	772		62.2	62.2	1	ug/kg dry
Cadmium	18	SW6020B	68.0		62.2	62.2	1	ug/kg dry
Chromium	18	SW6020B	30800		62.2	62.2	1	ug/kg dry
Cobalt	18	SW6020B	18600		62.2	62.2	1	ug/kg dry
Copper	18	SW6020B	34000		62.2	62.2	1	ug/kg dry
Lead	18	SW6020B	13600		62.2	62.2	1	ug/kg dry
Manganese	18	SW6020B	505000		62.2	62.2	1	ug/kg dry
Mercury	18	SW7471B	0.052		0.010	0.010	1	mg/kg dry
Nickel	18	SW6020B	17800		62.2	62.2	1	ug/kg dry
Selenium	18	SW6020B	2180		62.2	62.2	1	ug/kg dry
Silver	18	SW6020B	26.2		3.11	3.11	1	ug/kg dry
Thallium	18	SW6020B	89.7		62.2	62.2	1	ug/kg dry
Vanadium	18	SW6020B	154000		311	311	1	ug/kg dry
Zinc	18	SW6020B	66000		311	311	1	ug/kg dry
Chromium, Hexavalent	18	SW7199	0.47		0.26	0.26	1	mg/kg dry

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Client Name: S&ME - Raleigh
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Laboratory Sample ID: **24B0963-19** **Client Sample ID:** **BG-119**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	19	SW6020B	337		66.1	66.1	1	ug/kg dry
Arsenic	19	SW6020B	5580		66.1	66.1	1	ug/kg dry
Barium	19	SW6020B	121000		661	661	1	ug/kg dry
Beryllium	19	SW6020B	454		66.1	66.1	1	ug/kg dry
Cadmium	19	SW6020B	645		66.1	66.1	1	ug/kg dry
Chromium	19	SW6020B	42100		66.1	66.1	1	ug/kg dry
Cobalt	19	SW6020B	16200		66.1	66.1	1	ug/kg dry
Copper	19	SW6020B	45100		66.1	66.1	1	ug/kg dry
Lead	19	SW6020B	62000		66.1	66.1	1	ug/kg dry
Manganese	19RE1	SW6020B	704000		661	661	10	ug/kg dry
Mercury	19	SW7471B	0.223		0.011	0.011	1	mg/kg dry
Nickel	19	SW6020B	17000		66.1	66.1	1	ug/kg dry
Selenium	19	SW6020B	1350		66.1	66.1	1	ug/kg dry
Silver	19	SW6020B	206		3.30	3.30	1	ug/kg dry
Thallium	19	SW6020B	102		66.1	66.1	1	ug/kg dry
Vanadium	19	SW6020B	81600		330	330	1	ug/kg dry
Zinc	19	SW6020B	169000		330	330	1	ug/kg dry

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Client Name: S&ME - Raleigh
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Submitted To: Tom Raymond

Laboratory Sample ID: **24B0963-20** **Client Sample ID:** **BG-120**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	20	SW6020B	74.0		56.5	56.5	1	ug/kg dry
Arsenic	20	SW6020B	1510		56.5	56.5	1	ug/kg dry
Barium	20	SW6020B	113000		565	565	1	ug/kg dry
Beryllium	20	SW6020B	329		56.5	56.5	1	ug/kg dry
Cadmium	20	SW6020B	86.0		56.5	56.5	1	ug/kg dry
Chromium	20	SW6020B	32600		56.5	56.5	1	ug/kg dry
Cobalt	20	SW6020B	14600		56.5	56.5	1	ug/kg dry
Copper	20	SW6020B	47100		56.5	56.5	1	ug/kg dry
Lead	20	SW6020B	13500		56.5	56.5	1	ug/kg dry
Manganese	20RE1	SW6020B	651000		565	565	10	ug/kg dry
Mercury	20RE1	SW7471B	0.514		0.056	0.056	3	mg/kg dry
Nickel	20	SW6020B	15800		56.5	56.5	1	ug/kg dry
Selenium	20	SW6020B	1060		56.5	56.5	1	ug/kg dry
Silver	20	SW6020B	56.6		2.82	2.82	1	ug/kg dry
Thallium	20	SW6020B	73.4		56.5	56.5	1	ug/kg dry
Vanadium	20	SW6020B	73900		282	282	1	ug/kg dry
Zinc	20	SW6020B	58700		282	282	1	ug/kg dry
Chromium, Hexavalent	20	SW7199	0.74		0.24	0.24	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
Submitted To: Tom Raymond

Laboratory Sample ID: **24B0963-21** **Client Sample ID:** **BG-121**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	21	SW6020B	108		59.2	59.2	1	ug/kg dry
Arsenic	21	SW6020B	3280		59.2	59.2	1	ug/kg dry
Barium	21	SW6020B	103000		592	592	1	ug/kg dry
Beryllium	21	SW6020B	450		59.2	59.2	1	ug/kg dry
Cadmium	21	SW6020B	87.1		59.2	59.2	1	ug/kg dry
Chromium	21	SW6020B	38200		59.2	59.2	1	ug/kg dry
Cobalt	21	SW6020B	16700		59.2	59.2	1	ug/kg dry
Copper	21	SW6020B	52800		59.2	59.2	1	ug/kg dry
Lead	21	SW6020B	15700		59.2	59.2	1	ug/kg dry
Manganese	21RE1	SW6020B	697000		592	592	10	ug/kg dry
Mercury	21RE1	SW7471B	0.305		0.030	0.030	3	mg/kg dry
Nickel	21	SW6020B	15700		59.2	59.2	1	ug/kg dry
Selenium	21	SW6020B	1350		59.2	59.2	1	ug/kg dry
Silver	21	SW6020B	45.9		2.96	2.96	1	ug/kg dry
Thallium	21	SW6020B	97.7		59.2	59.2	1	ug/kg dry
Vanadium	21	SW6020B	107000		296	296	1	ug/kg dry
Zinc	21	SW6020B	62000		296	296	1	ug/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
Submitted To: Tom Raymond

Laboratory Sample ID: **24B0963-22** **Client Sample ID:** **BG-122**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	22	SW6020B	174		55.6	55.6	1	ug/kg dry
Arsenic	22	SW6020B	2800		55.6	55.6	1	ug/kg dry
Barium	22	SW6020B	128000		556	556	1	ug/kg dry
Beryllium	22	SW6020B	476		55.6	55.6	1	ug/kg dry
Cadmium	22	SW6020B	210		55.6	55.6	1	ug/kg dry
Chromium	22	SW6020B	30000		55.6	55.6	1	ug/kg dry
Cobalt	22	SW6020B	11800		55.6	55.6	1	ug/kg dry
Copper	22	SW6020B	30400		55.6	55.6	1	ug/kg dry
Lead	22	SW6020B	51600		55.6	55.6	1	ug/kg dry
Manganese	22RE1	SW6020B	723000		556	556	10	ug/kg dry
Mercury	22RE1	SW7471B	0.277		0.029	0.029	3	mg/kg dry
Nickel	22	SW6020B	11500		55.6	55.6	1	ug/kg dry
Selenium	22	SW6020B	2400		55.6	55.6	1	ug/kg dry
Silver	22	SW6020B	75.9		2.78	2.78	1	ug/kg dry
Thallium	22	SW6020B	79.0		55.6	55.6	1	ug/kg dry
Vanadium	22	SW6020B	72500		278	278	1	ug/kg dry
Zinc	22	SW6020B	80800		278	278	1	ug/kg dry
Chromium, Hexavalent	22	SW7199	0.53		0.24	0.24	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
Submitted To: Tom Raymond

Laboratory Sample ID: **24B0963-23** **Client Sample ID:** **BG-123**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Arsenic	23	SW6020B	1380		61.7	61.7	1	ug/kg dry
Barium	23	SW6020B	213000		617	617	1	ug/kg dry
Beryllium	23	SW6020B	809		61.7	61.7	1	ug/kg dry
Chromium	23	SW6020B	14400		61.7	61.7	1	ug/kg dry
Cobalt	23	SW6020B	11900		61.7	61.7	1	ug/kg dry
Copper	23	SW6020B	35100		61.7	61.7	1	ug/kg dry
Lead	23	SW6020B	6570		61.7	61.7	1	ug/kg dry
Manganese	23	SW6020B	313000		61.7	61.7	1	ug/kg dry
Mercury	23	SW7471B	0.025		0.010	0.010	1	mg/kg dry
Nickel	23	SW6020B	10500		61.7	61.7	1	ug/kg dry
Selenium	23	SW6020B	2660		61.7	61.7	1	ug/kg dry
Silver	23	SW6020B	4.43		3.09	3.09	1	ug/kg dry
Vanadium	23	SW6020B	96000		309	309	1	ug/kg dry
Zinc	23	SW6020B	73300		309	309	1	ug/kg dry
Chromium, Hexavalent	23	SW7199	0.29		0.25	0.25	1	mg/kg dry

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Analysis Detects Report

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
Submitted To: Tom Raymond

Laboratory Sample ID: **24B0963-24** **Client Sample ID:** **BG-124**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	24	SW6020B	174		58.6	58.6	1	ug/kg dry
Arsenic	24	SW6020B	1160		58.6	58.6	1	ug/kg dry
Barium	24	SW6020B	247000		586	586	1	ug/kg dry
Beryllium	24	SW6020B	618		58.6	58.6	1	ug/kg dry
Cadmium	24	SW6020B	129		58.6	58.6	1	ug/kg dry
Chromium	24	SW6020B	48800		58.6	58.6	1	ug/kg dry
Cobalt	24	SW6020B	19700		58.6	58.6	1	ug/kg dry
Copper	24RE1	SW6020B	61400		586	586	10	ug/kg dry
Lead	24	SW6020B	18500		58.6	58.6	1	ug/kg dry
Manganese	24RE1	SW6020B	717000		586	586	10	ug/kg dry
Mercury	24	SW7471B	0.043		0.010	0.010	1	mg/kg dry
Nickel	24	SW6020B	21000		58.6	58.6	1	ug/kg dry
Selenium	24	SW6020B	1220		58.6	58.6	1	ug/kg dry
Silver	24	SW6020B	21.8		2.93	2.93	1	ug/kg dry
Thallium	24	SW6020B	117		58.6	58.6	1	ug/kg dry
Vanadium	24	SW6020B	107000		293	293	1	ug/kg dry
Zinc	24	SW6020B	84200		293	293	1	ug/kg dry
Chromium, Hexavalent	24	SW7199	0.59		0.25	0.25	1	mg/kg dry

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Client Name: S&ME - Raleigh
Client Site ID: Southside Park Landfill
Submitted To: Tom Raymond

Laboratory Sample ID: **24B0963-25** **Client Sample ID:** **Dup 9**

Parameter	Samp ID	Reference Method	Sample Results	Qual	DL	LOQ	Dil. Factor	Units
Antimony	25	SW6020B	231		57.5	57.5	1	ug/kg dry
Arsenic	25	SW6020B	2760		57.5	57.5	1	ug/kg dry
Barium	25	SW6020B	110000		575	575	1	ug/kg dry
Beryllium	25	SW6020B	553		57.5	57.5	1	ug/kg dry
Cadmium	25	SW6020B	120		57.5	57.5	1	ug/kg dry
Chromium	25	SW6020B	35100		57.5	57.5	1	ug/kg dry
Cobalt	25	SW6020B	16200		57.5	57.5	1	ug/kg dry
Copper	25	SW6020B	32900		57.5	57.5	1	ug/kg dry
Lead	25	SW6020B	25200		57.5	57.5	1	ug/kg dry
Manganese	25RE1	SW6020B	875000		575	575	10	ug/kg dry
Mercury	25RE1	SW7471B	0.275		0.019	0.019	2	mg/kg dry
Nickel	25	SW6020B	11000		57.5	57.5	1	ug/kg dry
Selenium	25	SW6020B	1730		57.5	57.5	1	ug/kg dry
Silver	25	SW6020B	78.1		2.88	2.88	1	ug/kg dry
Thallium	25	SW6020B	111		57.5	57.5	1	ug/kg dry
Vanadium	25	SW6020B	88700		288	288	1	ug/kg dry
Zinc	25	SW6020B	57500		288	288	1	ug/kg dry
Chromium, Hexavalent	25	SW7199	0.65		0.24	0.24	1	mg/kg dry

Note that this report is not the "Certificate of Analysis". This report only lists the target analytes that displayed concentrations that exceeded the detection limit specified for that analyte. For a complete listing of all analytes requested and the results of the analysis see the " Certificate of Analysis".

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Certificate of Analysis

Final Report

Sample Delivery Group ID SouthsidePark2023-2

Client Name:	S&ME - Raleigh	Date Issued:	3/4/2024 4:56:21PM
	3201 Spring Forest Road		
	Raleigh, NC 27616		
Submitted To:	Tom Raymond		
Client Site I.D.:	Southside Park Landfill	Purchase Order:	215952

Enclosed are the results of analyses for samples received by the laboratory in sample delivery group SouthsidePark2023-2 . Work orders included in the sample delivery group:

Work Order	Receive Date	Project Number
24B0796	2/15/2024 8:00:00AM	215952
24B0963	2/16/2024 8:00:00AM	215952
24B1009	2/19/2024 10:15:00AM	215952

Ted Soyars

Technical Director

End Notes:
The test results listed in this report relate only to the samples submitted to the laboratory and as received by the Laboratory.

Unless otherwise noted, the test results for solid materials are calculated on a wet weight basis. Analyses for pH, dissolved oxygen, temperature, residual chlorine and sulfite that are performed in the laboratory do not meet NELAC requirements due to extremely short holding times. These analyses should be performed in the field. The results of field analyses performed by the Sampler included in the Certificate of Analysis are done so at the client's request and are not included in the laboratory's fields of certification nor have they been audited for adherence to a reference method or procedure.

The signature on the final report certifies that these results conform to all applicable NELAC standards unless otherwise specified. For a complete list of the Laboratory's NELAC certified parameters please contact customer service.

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Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 3/4/2024 4:56:21PM

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SC-58	24B0796-01	Soil	02/14/2024 10:45	02/15/2024 08:00
SC-57	24B0796-02	Soil	02/14/2024 11:20	02/15/2024 08:00
SC-59	24B0796-03	Soil	02/14/2024 11:40	02/15/2024 08:00
SC-64	24B0796-04	Soil	02/14/2024 12:20	02/15/2024 08:00
SC-62	24B0796-05	Soil	02/14/2024 12:40	02/15/2024 08:00
Dup 8	24B0796-06	Soil	02/14/2024 10:50	02/15/2024 08:00
Trip Blank	24B0796-07	Non-Potable Water	02/06/2024 11:30	02/15/2024 08:00
BG-101	24B0963-01	Solids	02/15/2024 09:50	02/16/2024 08:00
BG-102	24B0963-02	Solids	02/15/2024 10:00	02/16/2024 08:00
BG-103	24B0963-03	Solids	02/15/2024 10:10	02/16/2024 08:00
BG-104	24B0963-04	Solids	02/15/2024 10:15	02/16/2024 08:00
BG-105	24B0963-05	Solids	02/15/2024 10:25	02/16/2024 08:00
BG-106	24B0963-06	Solids	02/15/2024 10:30	02/16/2024 08:00
BG-107	24B0963-07	Solids	02/15/2024 10:35	02/16/2024 08:00
BG-108	24B0963-08	Solids	02/15/2024 10:40	02/16/2024 08:00
BG-109	24B0963-09	Solids	02/15/2024 10:45	02/16/2024 08:00
BG-110	24B0963-10	Solids	02/15/2024 10:50	02/16/2024 08:00
BG-111	24B0963-11	Solids	02/15/2024 10:55	02/16/2024 08:00
BG-112	24B0963-12	Solids	02/15/2024 11:00	02/16/2024 08:00
BG-113	24B0963-13	Solids	02/15/2024 11:05	02/16/2024 08:00
BG-114	24B0963-14	Solids	02/15/2024 11:10	02/16/2024 08:00

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Certificate of Analysis

Client Name: S&ME - Raleigh

Date Issued: 3/4/2024 4:56:21PM

Client Site I.D.: Southside Park Landfill

Submitted To: Tom Raymond

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BG-115	24B0963-15	Solids	02/15/2024 12:25	02/16/2024 08:00
BG-116	24B0963-16	Solids	02/15/2024 12:34	02/16/2024 08:00
BG-117	24B0963-17	Solids	02/15/2024 12:43	02/16/2024 08:00
BG-118	24B0963-18	Solids	02/15/2024 12:50	02/16/2024 08:00
BG-119	24B0963-19	Solids	02/15/2024 12:57	02/16/2024 08:00
BG-120	24B0963-20	Solids	02/15/2024 13:02	02/16/2024 08:00
BG-121	24B0963-21	Solids	02/15/2024 13:06	02/16/2024 08:00
BG-122	24B0963-22	Solids	02/15/2024 13:15	02/16/2024 08:00
BG-123	24B0963-23	Solids	02/15/2024 13:20	02/16/2024 08:00
BG-124	24B0963-24	Solids	02/15/2024 13:25	02/16/2024 08:00
Dup 9	24B0963-25	Solids	02/15/2024 12:25	02/16/2024 08:00

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Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 3/4/2024 4:56:21PM

Client Sample ID: **SC-58** **Laboratory Sample ID:** **24B0796-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	01	7440-22-4	SW6020B	02/15/2024 09:45	02/16/2024 10:04	32.4		2.83	2.83	1	ug/kg dry	AB
Arsenic	01	7440-38-2	SW6020B	02/15/2024 09:45	02/16/2024 10:04	3320		56.7	56.7	1	ug/kg dry	AB
Barium	01RE1	7440-39-3	SW6020B	02/15/2024 09:45	02/16/2024 11:37	126000		11300	11300	20	ug/kg dry	AB
Beryllium	01	7440-41-7	SW6020B	02/15/2024 09:45	02/16/2024 10:04	571		56.7	56.7	1	ug/kg dry	AB
Cadmium	01	7440-43-9	SW6020B	02/15/2024 09:45	02/16/2024 10:04	144		56.7	56.7	1	ug/kg dry	AB
Cobalt	01	7440-48-4	SW6020B	02/15/2024 09:45	02/16/2024 10:04	19700		56.7	56.7	1	ug/kg dry	AB
Chromium	01	7440-47-3	SW6020B	02/15/2024 09:45	02/16/2024 10:04	42000		56.7	2830	1	ug/kg dry	AB
Copper	01	7440-50-8	SW6020B	02/15/2024 09:45	02/16/2024 10:04	49600		56.7	56.7	1	ug/kg dry	AB
Mercury	01RE2	7439-97-6	SW7471B	02/21/2024 09:20	02/21/2024 14:39	1.95		0.197	0.197	10	mg/kg dry	SGT
Manganese	01RE1	7439-96-5	SW6020B	02/15/2024 09:45	02/16/2024 11:37	602000		1130	1130	20	ug/kg dry	AB
Nickel	01	7440-02-0	SW6020B	02/15/2024 09:45	02/16/2024 10:04	23600		56.7	56.7	1	ug/kg dry	AB
Lead	01RE1	7439-92-1	SW6020B	02/15/2024 09:45	02/16/2024 11:37	70400		1130	1130	20	ug/kg dry	AB
Antimony	01	7440-36-0	SW6020B	02/15/2024 09:45	02/16/2024 10:04	227		56.7	56.7	1	ug/kg dry	AB
Selenium	01	7782-49-2	SW6020B	02/15/2024 09:45	02/16/2024 10:04	1630		56.7	56.7	1	ug/kg dry	AB
Thallium	01	7440-28-0	SW6020B	02/15/2024 09:45	02/16/2024 10:04	131		56.7	56.7	1	ug/kg dry	AB
Vanadium	01RE1	7440-62-2	SW6020B	02/15/2024 09:45	02/16/2024 11:37	92100		5670	5670	20	ug/kg dry	AB
Zinc	01RE1	7440-66-6	SW6020B	02/15/2024 09:45	02/16/2024 11:37	92900		5670	5670	20	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	01	630-20-6	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
1,1,1-Trichloroethane	01	71-55-6	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	01	79-34-5	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
1,1,2-Trichloroethane	01	79-00-5	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
1,1-Dichloroethane	01	75-34-3	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
1,1-Dichloroethylene	01	75-35-4	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB

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Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 3/4/2024 4:56:21PM

Client Sample ID: **SC-58** **Laboratory Sample ID:** **24B0796-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	01	563-58-6	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	01	87-61-6	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
1,2,3-Trichloropropane	01	96-18-4	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	01	120-82-1	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	01	95-63-6	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	01	96-12-8	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	01	106-93-4	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
1,2-Dichlorobenzene	01	95-50-1	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
1,2-Dichloroethane	01	107-06-2	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
1,2-Dichloropropane	01	78-87-5	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	01	108-67-8	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
1,3-Dichlorobenzene	01	541-73-1	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
1,3-Dichloropropane	01	142-28-9	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
1,4-Dichlorobenzene	01	106-46-7	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
2,2-Dichloropropane	01	594-20-7	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
2-Butanone (MEK)	01	78-93-3	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
2-Chlorotoluene	01	95-49-8	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
2-Hexanone (MBK)	01	591-78-6	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
4-Chlorotoluene	01	106-43-4	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
4-Isopropyltoluene	01	99-87-6	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	01	108-10-1	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
Acetone	01	67-64-1	SW8260D	02/15/2024 14:04	02/15/2024 14:04	71.6		9.07	10.0	1	ug/kg dry	RJB
Benzene	01	71-43-2	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
Bromobenzene	01	108-86-1	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 3/4/2024 4:56:21PM

Client Sample ID: **SC-58** **Laboratory Sample ID:** **24B0796-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	01	74-97-5	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
Bromodichloromethane	01	75-27-4	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
Bromoform	01	75-25-2	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD	C	4.54	5.00	1	ug/kg dry	RJB
Bromomethane	01	74-83-9	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
Carbon disulfide	01	75-15-0	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
Carbon tetrachloride	01	56-23-5	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
Chlorobenzene	01	108-90-7	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
Chloroethane	01	75-00-3	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
Chloroform	01	67-66-3	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
Chloromethane	01	74-87-3	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	01	156-59-2	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	01	10061-01-5	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
Dibromochloromethane	01	124-48-1	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
Dibromomethane	01	74-95-3	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
Dichlorodifluoromethane	01	75-71-8	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	01	108-20-3	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
Ethylbenzene	01	100-41-4	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
Hexachlorobutadiene	01	87-68-3	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
Iodomethane	01	74-88-4	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		9.07	10.0	1	ug/kg dry	RJB
Isopropylbenzene	01	98-82-8	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
m+p-Xylenes	01	179601-23-1	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
Methylene chloride	01	75-09-2	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	01	1634-04-4	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB

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Date Issued: 3/4/2024 4:56:21PM

Client Sample ID: **SC-58** **Laboratory Sample ID:** **24B0796-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	01	91-20-3	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
n-Butylbenzene	01	104-51-8	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
n-Propylbenzene	01	103-65-1	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
o-Xylene	01	95-47-6	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
sec-Butylbenzene	01	135-98-8	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
Styrene	01	100-42-5	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
tert-Butylbenzene	01	98-06-6	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	01	127-18-4	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
Toluene	01	108-88-3	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	01	156-60-5	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	01	10061-02-6	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
Trichloroethylene	01	79-01-6	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
Trichlorofluoromethane	01	75-69-4	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
Vinyl acetate	01	108-05-4	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	10.0	1	ug/kg dry	RJB
Vinyl chloride	01	75-01-4	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		4.54	5.00	1	ug/kg dry	RJB
Xylenes, Total	01	1330-20-7	SW8260D	02/15/2024 14:04	02/15/2024 14:04	BLOD		13.6	15.0	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*01*		*102 %*	*80-120*	*02/15/2024 14:04*	*02/15/2024 14:04*						
Surr: 4-Bromofluorobenzene (Surr)	*01*		*102 %*	*85-120*	*02/15/2024 14:04*	*02/15/2024 14:04*						
Surr: Dibromofluoromethane (Surr)	*01*		*93.2 %*	*80-130*	*02/15/2024 14:04*	*02/15/2024 14:04*						
Surr: Toluene-d8 (Surr)	*01*		*98.4 %*	*85-115*	*02/15/2024 14:04*	*02/15/2024 14:04*						

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Date Issued: 3/4/2024 4:56:21PM

Client Sample ID: **SC-58** **Laboratory Sample ID:** **24B0796-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	01	123-91-1	SW8270E SIM	02/21/2024 09:15	02/26/2024 17:52	BLOD		8.17	8.17	2	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*01*	*78.7 %*	*35-100*	*02/21/2024 09:15*	*02/26/2024 17:52*							
1,2,4,5-Tetrachlorobenzene	01	95-94-3	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
1,2,4-Trichlorobenzene	01	120-82-1	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
1,2-Dichlorobenzene	01	95-50-1	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
1,2-Diphenylhydrazine	01	122-66-7	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
1,3-Dichlorobenzene	01	541-73-1	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
1,3-Dinitrobenzene	01	99-65-0	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
1,4-Dichlorobenzene	01	106-46-7	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
1-Chloronaphthalene	01	90-13-1	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
1-Naphthylamine	01	134-32-7	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
2,3,4,6-Tetrachlorophenol	01	58-90-2	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
2,4,5-Trichlorophenol	01	95-95-4	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
2,4,6-Trichlorophenol	01	88-06-2	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
2,4-Dichlorophenol	01	120-83-2	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
2,4-Dimethylphenol	01	105-67-9	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
2,4-Dinitrophenol	01	51-28-5	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
2,4-Dinitrotoluene	01	121-14-2	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
2,6-Dichlorophenol	01	87-65-0	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
2,6-Dinitrotoluene	01	606-20-2	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
2-Chloronaphthalene	01	91-58-7	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
2-Chlorophenol	01	95-57-8	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
2-Methylnaphthalene	01	91-57-6	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR

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Client Sample ID: **SC-58** **Laboratory Sample ID:** **24B0796-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	01	91-59-8	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
2-Nitroaniline	01	88-74-4	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
2-Nitrophenol	01	88-75-5	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
3,3'-Dichlorobenzidine	01	91-94-1	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
3-Methylcholanthrene	01	56-49-5	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
3-Nitroaniline	01	99-09-2	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
4,6-Dinitro-2-methylphenol	01	534-52-1	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
4-Aminobiphenyl	01	92-67-1	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
4-Bromophenyl phenyl ether	01	101-55-3	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
4-Chloroaniline	01	106-47-8	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
4-Chlorophenyl phenyl ether	01	7005-72-3	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
4-Nitroaniline	01	100-01-6	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
4-Nitrophenol	01	100-02-7	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
7,12-Dimethylbenz (a) anthracene	01	57-97-6	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Acenaphthene	01	83-32-9	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Acenaphthylene	01	208-96-8	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Acetophenone	01	98-86-2	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Aniline	01	62-53-3	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Anthracene	01	120-12-7	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Benzidine	01	92-87-5	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Benzo (a) anthracene	01	56-55-3	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Benzo (a) pyrene	01	50-32-8	SW8270E	02/16/2024 10:45	02/16/2024 17:47	428		401	401	4	ug/kg dry	ZDR
Benzo (b) fluoranthene	01	205-99-2	SW8270E	02/16/2024 10:45	02/16/2024 17:47	641		401	401	4	ug/kg dry	ZDR
Benzo (g,h,i) perylene	01	191-24-2	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	01	207-08-9	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Benzoic acid	01	65-85-0	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD	C	401	401	4	ug/kg dry	ZDR
Benzyl alcohol	01	100-51-6	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD	C	401	401	4	ug/kg dry	ZDR
bis (2-Chloroethoxy) methane	01	111-91-1	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
bis (2-Chloroethyl) ether	01	111-44-4	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
2,2'-Oxybis (1-chloropropane)	01	108-60-1	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
bis (2-Ethylhexyl) phthalate	01	117-81-7	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Butyl benzyl phthalate	01	85-68-7	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Chrysene	01	218-01-9	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Dibenz (a,h) anthracene	01	53-70-3	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Dibenz (a,j) acridine	01	224-42-0	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Dibenzofuran	01	132-64-9	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Diethyl phthalate	01	84-66-2	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Dimethyl phthalate	01	131-11-3	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Di-n-butyl phthalate	01	84-74-2	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Di-n-octyl phthalate	01	117-84-0	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Diphenylamine	01	122-39-4	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Ethyl methanesulfonate	01	62-50-0	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Fluoranthene	01	206-44-0	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Fluorene	01	86-73-7	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Hexachlorobenzene	01	118-74-1	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Hexachlorobutadiene	01	87-68-3	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Hexachlorocyclopentadiene	01	77-47-4	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Hexachloroethane	01	67-72-1	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR

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Submitted To: Tom Raymond

Date Issued: 3/4/2024 4:56:21PM

Client Sample ID: **SC-58** **Laboratory Sample ID:** **24B0796-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	01	193-39-5	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Isophorone	01	78-59-1	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
m+p-Cresols	01	1319-77-3	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Methyl methanesulfonate	01	66-27-3	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Naphthalene	01	91-20-3	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Nitrobenzene	01	98-95-3	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
n-Nitrosodimethylamine	01	62-75-9	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
n-Nitrosodi-n-butylamine	01	924-16-3	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
n-Nitrosodi-n-propylamine	01	621-64-7	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
n-Nitrosodiphenylamine	01	86-30-6	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
n-Nitrosopiperidine	01	100-75-4	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
o+m+p-Cresols	01	1319-77-3	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
o-Cresol	01	95-48-7	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
p-(Dimethylamino) azobenzene	01	60-11-7	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
p-Chloro-m-cresol	01	59-50-7	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Pentachloronitrobenzene (quintozene)	01	82-68-8	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Pentachlorophenol	01	87-86-5	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Phenacetin	01	62-44-2	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Phenanthrene	01	85-01-8	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Phenol	01	108-95-2	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Pronamide	01	23950-58-5	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Pyrene	01	129-00-0	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD		401	401	4	ug/kg dry	ZDR
Pyridine	01	110-86-1	SW8270E	02/16/2024 10:45	02/16/2024 17:47	BLOD	C	401	401	4	ug/kg dry	ZDR
Surr: 2,4,6-Tribromophenol (Surr)	*01*	*33.7 %*	*15-96*	*02/16/2024 10:45*	*02/16/2024 17:47*							

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Date Issued: 3/4/2024 4:56:21PM

Client Sample ID: **SC-58** **Laboratory Sample ID:** **24B0796-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*01*		*32.4 %*	*19-105*	*02/16/2024 10:45*	*02/16/2024 17:47*						
Surr: 2-Fluorophenol (Surr)	*01*		*60.4 %*	*12-95*	*02/16/2024 10:45*	*02/16/2024 17:47*						
Surr: Nitrobenzene-d5 (Surr)	*01*		*57.3 %*	*21-100*	*02/16/2024 10:45*	*02/16/2024 17:47*						
Surr: Phenol-d5 (Surr)	*01*		*44.8 %*	*13-100*	*02/16/2024 10:45*	*02/16/2024 17:47*						
Surr: p-Terphenyl-d14 (Surr)	*01*		*61.6 %*	*25-125*	*02/16/2024 10:45*	*02/16/2024 17:47*						

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Ion Chromatography Analyses												
Sulfate	01	14808-79-8	SW9056A	02/15/2024 16:00	02/15/2024 16:00	9.32	J	3.08	12.3	1	mg/kg dry	LBH2

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	01	7664-41-7	EPA350.1 R2.0	02/28/2024 14:27	02/28/2024 14:27	BLOD		12.2	12.2	1	mg/kg dry	MGC
Chromium, Hexavalent	01	18540-29-9	SW7199	02/23/2024 09:00	02/24/2024 00:47	0.74		0.25	0.25	1	mg/kg dry	MGC
Nitrate as N	01	14797-55-8	SW9056A	02/15/2024 16:00	02/15/2024 16:00	4.64		1.23	2.46	1	mg/kg dry	LBH2
Percent Solids	01	NA	SM2540G-2011	02/16/2024 08:35	02/16/2024 08:35	81.3		0.10	0.10	1	%	KJM

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Client Sample ID: **SC-57** **Laboratory Sample ID:** **24B0796-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	02	7440-22-4	SW6020B	02/15/2024 09:45	02/16/2024 10:06	14.2		3.11	3.11	1	ug/kg dry	AB
Arsenic	02	7440-38-2	SW6020B	02/15/2024 09:45	02/16/2024 10:06	2210		62.2	62.2	1	ug/kg dry	AB
Barium	02RE1	7440-39-3	SW6020B	02/15/2024 09:45	02/16/2024 11:40	53600		6220	6220	10	ug/kg dry	AB
Beryllium	02	7440-41-7	SW6020B	02/15/2024 09:45	02/16/2024 10:06	488		62.2	62.2	1	ug/kg dry	AB
Cadmium	02	7440-43-9	SW6020B	02/15/2024 09:45	02/16/2024 10:06	BLOD		62.2	62.2	1	ug/kg dry	AB
Cobalt	02	7440-48-4	SW6020B	02/15/2024 09:45	02/16/2024 10:06	12700		62.2	62.2	1	ug/kg dry	AB
Chromium	02	7440-47-3	SW6020B	02/15/2024 09:45	02/16/2024 10:06	49600		62.2	3110	1	ug/kg dry	AB
Copper	02	7440-50-8	SW6020B	02/15/2024 09:45	02/16/2024 10:06	40900		62.2	62.2	1	ug/kg dry	AB
Mercury	02	7439-97-6	SW7471B	02/21/2024 09:20	02/21/2024 11:14	0.061		0.010	0.010	1	mg/kg dry	SGT
Manganese	02RE1	7439-96-5	SW6020B	02/15/2024 09:45	02/16/2024 11:40	371000		622	622	10	ug/kg dry	AB
Nickel	02	7440-02-0	SW6020B	02/15/2024 09:45	02/16/2024 10:06	11600		62.2	62.2	1	ug/kg dry	AB
Lead	02	7439-92-1	SW6020B	02/15/2024 09:45	02/16/2024 10:06	12800		62.2	62.2	1	ug/kg dry	AB
Antimony	02	7440-36-0	SW6020B	02/15/2024 09:45	02/16/2024 10:06	BLOD		62.2	62.2	1	ug/kg dry	AB
Selenium	02	7782-49-2	SW6020B	02/15/2024 09:45	02/16/2024 10:06	1450		62.2	62.2	1	ug/kg dry	AB
Thallium	02	7440-28-0	SW6020B	02/15/2024 09:45	02/16/2024 10:06	72.2		62.2	62.2	1	ug/kg dry	AB
Vanadium	02RE1	7440-62-2	SW6020B	02/15/2024 09:45	02/16/2024 11:40	132000		3110	3110	10	ug/kg dry	AB
Zinc	02	7440-66-6	SW6020B	02/15/2024 09:45	02/16/2024 10:06	37000		311	311	1	ug/kg dry	AB

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Client Sample ID: **SC-57** **Laboratory Sample ID:** **24B0796-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	02	630-20-6	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
1,1,1-Trichloroethane	02	71-55-6	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	02	79-34-5	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
1,1,2-Trichloroethane	02	79-00-5	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
1,1-Dichloroethane	02	75-34-3	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
1,1-Dichloroethylene	02	75-35-4	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
1,1-Dichloropropene	02	563-58-6	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	02	87-61-6	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
1,2,3-Trichloropropane	02	96-18-4	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	02	120-82-1	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	02	95-63-6	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	02	96-12-8	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	02	106-93-4	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
1,2-Dichlorobenzene	02	95-50-1	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
1,2-Dichloroethane	02	107-06-2	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
1,2-Dichloropropane	02	78-87-5	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	02	108-67-8	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
1,3-Dichlorobenzene	02	541-73-1	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
1,3-Dichloropropane	02	142-28-9	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
1,4-Dichlorobenzene	02	106-46-7	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
2,2-Dichloropropane	02	594-20-7	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
2-Butanone (MEK)	02	78-93-3	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
2-Chlorotoluene	02	95-49-8	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
2-Hexanone (MBK)	02	591-78-6	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB

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Client Sample ID: **SC-57** **Laboratory Sample ID:** **24B0796-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
4-Chlorotoluene	02	106-43-4	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
4-Isopropyltoluene	02	99-87-6	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	02	108-10-1	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
Acetone	02	67-64-1	SW8260D	02/15/2024 14:51	02/15/2024 14:51	51.7		9.09	10.0	1	ug/kg dry	RJB
Benzene	02	71-43-2	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
Bromobenzene	02	108-86-1	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
Bromochloromethane	02	74-97-5	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
Bromodichloromethane	02	75-27-4	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
Bromoform	02	75-25-2	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD	C	4.55	5.00	1	ug/kg dry	RJB
Bromomethane	02	74-83-9	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
Carbon disulfide	02	75-15-0	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
Carbon tetrachloride	02	56-23-5	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
Chlorobenzene	02	108-90-7	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
Chloroethane	02	75-00-3	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
Chloroform	02	67-66-3	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
Chloromethane	02	74-87-3	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	02	156-59-2	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	02	10061-01-5	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
Dibromochloromethane	02	124-48-1	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
Dibromomethane	02	74-95-3	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
Dichlorodifluoromethane	02	75-71-8	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	02	108-20-3	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
Ethylbenzene	02	100-41-4	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
Hexachlorobutadiene	02	87-68-3	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 3/4/2024 4:56:21PM

Client Sample ID: **SC-57** **Laboratory Sample ID:** **24B0796-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Iodomethane	02	74-88-4	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		9.09	10.0	1	ug/kg dry	RJB
Isopropylbenzene	02	98-82-8	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
m+p-Xylenes	02	179601-23-1	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
Methylene chloride	02	75-09-2	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	02	1634-04-4	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
Naphthalene	02	91-20-3	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
n-Butylbenzene	02	104-51-8	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
n-Propylbenzene	02	103-65-1	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
o-Xylene	02	95-47-6	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
sec-Butylbenzene	02	135-98-8	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
Styrene	02	100-42-5	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
tert-Butylbenzene	02	98-06-6	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	02	127-18-4	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
Toluene	02	108-88-3	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	02	156-60-5	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	02	10061-02-6	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
Trichloroethylene	02	79-01-6	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
Trichlorofluoromethane	02	75-69-4	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
Vinyl acetate	02	108-05-4	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	10.0	1	ug/kg dry	RJB
Vinyl chloride	02	75-01-4	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		4.55	5.00	1	ug/kg dry	RJB
Xylenes, Total	02	1330-20-7	SW8260D	02/15/2024 14:51	02/15/2024 14:51	BLOD		13.6	15.0	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*02*	*105 %*	*80-120*	*02/15/2024 14:51*	*02/15/2024 14:51*							
Surr: 4-Bromofluorobenzene (Surr)	*02*	*100 %*	*85-120*	*02/15/2024 14:51*	*02/15/2024 14:51*							
Surr: Dibromofluoromethane (Surr)	*02*	*94.7 %*	*80-130*	*02/15/2024 14:51*	*02/15/2024 14:51*							

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Date Issued: 3/4/2024 4:56:21PM

Client Sample ID: **SC-57** **Laboratory Sample ID:** **24B0796-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Volatile Organic Compounds by GCMS												
Surr: Toluene-d8 (Surr)	*02*		*85-115*	*02/15/2024 14:51*	*02/15/2024 14:51*	*100 %*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	02	123-91-1	SW8270E SIM	02/21/2024 09:15	02/26/2024 19:10	BLOD		8.61	8.61	2	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*02*	*53.9 %*	*35-100*	*02/21/2024 09:15*	*02/26/2024 19:10*							
1,2,4,5-Tetrachlorobenzene	02	95-94-3	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
1,2,4-Trichlorobenzene	02	120-82-1	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
1,2-Dichlorobenzene	02	95-50-1	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
1,2-Diphenylhydrazine	02	122-66-7	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
1,3-Dichlorobenzene	02	541-73-1	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
1,3-Dinitrobenzene	02	99-65-0	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
1,4-Dichlorobenzene	02	106-46-7	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
1-Chloronaphthalene	02	90-13-1	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
1-Naphthylamine	02	134-32-7	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	02	58-90-2	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
2,4,5-Trichlorophenol	02	95-95-4	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
2,4,6-Trichlorophenol	02	88-06-2	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
2,4-Dichlorophenol	02	120-83-2	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
2,4-Dimethylphenol	02	105-67-9	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
2,4-Dinitrophenol	02	51-28-5	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
2,4-Dinitrotoluene	02	121-14-2	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
2,6-Dichlorophenol	02	87-65-0	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
2,6-Dinitrotoluene	02	606-20-2	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
2-Chloronaphthalene	02	91-58-7	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
2-Chlorophenol	02	95-57-8	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
2-Methylnaphthalene	02	91-57-6	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS

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Client Sample ID: **SC-57** **Laboratory Sample ID:** **24B0796-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	02	91-59-8	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
2-Nitroaniline	02	88-74-4	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
2-Nitrophenol	02	88-75-5	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
3,3'-Dichlorobenzidine	02	91-94-1	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
3-Methylcholanthrene	02	56-49-5	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
3-Nitroaniline	02	99-09-2	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	02	534-52-1	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
4-Aminobiphenyl	02	92-67-1	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
4-Bromophenyl phenyl ether	02	101-55-3	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
4-Chloroaniline	02	106-47-8	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	02	7005-72-3	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
4-Nitroaniline	02	100-01-6	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
4-Nitrophenol	02	100-02-7	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	02	57-97-6	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Acenaphthene	02	83-32-9	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Acenaphthylene	02	208-96-8	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Acetophenone	02	98-86-2	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Aniline	02	62-53-3	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Anthracene	02	120-12-7	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Benzidine	02	92-87-5	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Benzo (a) anthracene	02	56-55-3	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Benzo (a) pyrene	02	50-32-8	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Benzo (b) fluoranthene	02	205-99-2	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Benzo (g,h,i) perylene	02	191-24-2	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS

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Client Sample ID: SC-57 **Laboratory Sample ID:** 24B0796-02

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	02	207-08-9	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Benzoic acid	02	65-85-0	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Benzyl alcohol	02	100-51-6	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	02	111-91-1	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
bis (2-Chloroethyl) ether	02	111-44-4	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	02	108-60-1	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	02	117-81-7	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Butyl benzyl phthalate	02	85-68-7	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Chrysene	02	218-01-9	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Dibenz (a,h) anthracene	02	53-70-3	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Dibenz (a,j) acridine	02	224-42-0	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Dibenzofuran	02	132-64-9	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Diethyl phthalate	02	84-66-2	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Dimethyl phthalate	02	131-11-3	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Di-n-butyl phthalate	02	84-74-2	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Di-n-octyl phthalate	02	117-84-0	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Diphenylamine	02	122-39-4	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Ethyl methanesulfonate	02	62-50-0	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Fluoranthene	02	206-44-0	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Fluorene	02	86-73-7	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Hexachlorobenzene	02	118-74-1	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Hexachlorobutadiene	02	87-68-3	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Hexachlorocyclopentadiene	02	77-47-4	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Hexachloroethane	02	67-72-1	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	02	193-39-5	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Isophorone	02	78-59-1	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
m+p-Cresols	02	1319-77-3	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Methyl methanesulfonate	02	66-27-3	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Naphthalene	02	91-20-3	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Nitrobenzene	02	98-95-3	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
n-Nitrosodimethylamine	02	62-75-9	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	02	924-16-3	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	02	621-64-7	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
n-Nitrosodiphenylamine	02	86-30-6	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
n-Nitrosopiperidine	02	100-75-4	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
o+m+p-Cresols	02	1319-77-3	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
o-Cresol	02	95-48-7	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	02	60-11-7	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
p-Chloro-m-cresol	02	59-50-7	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	02	82-68-8	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Pentachlorophenol	02	87-86-5	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Phenacetin	02	62-44-2	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Phenanthrene	02	85-01-8	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Phenol	02	108-95-2	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Pronamide	02	23950-58-5	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Pyrene	02	129-00-0	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Pyridine	02	110-86-1	SW8270E	02/16/2024 10:45	02/23/2024 20:54	BLOD		1080	1080	10	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*02*	*57.2 %*	*15-96*	*02/16/2024 10:45*	*02/23/2024 20:54*							

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Date Issued: 3/4/2024 4:56:21PM

Client Sample ID: **SC-57** **Laboratory Sample ID:** **24B0796-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*02*		*40.8 %*	*19-105*	*02/16/2024 10:45*	*02/23/2024 20:54*						
Surr: 2-Fluorophenol (Surr)	*02*		*36.0 %*	*12-95*	*02/16/2024 10:45*	*02/23/2024 20:54*						
Surr: Nitrobenzene-d5 (Surr)	*02*		*44.2 %*	*21-100*	*02/16/2024 10:45*	*02/23/2024 20:54*						
Surr: Phenol-d5 (Surr)	*02*		*52.4 %*	*13-100*	*02/16/2024 10:45*	*02/23/2024 20:54*						
Surr: p-Terphenyl-d14 (Surr)	*02*		*68.4 %*	*25-125*	*02/16/2024 10:45*	*02/23/2024 20:54*						

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Client Sample ID: **SC-57** **Laboratory Sample ID:** **24B0796-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	02	14808-79-8	SW9056A	02/15/2024 16:00	02/15/2024 16:00	43.5		3.26	13.1	1	mg/kg dry	LBH2

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Client Sample ID: **SC-57** **Laboratory Sample ID:** **24B0796-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	02	7664-41-7	EPA350.1 R2.0	02/28/2024 14:27	02/28/2024 14:27	BLOD		13.0	13.0	1	mg/kg dry	MGC
Chromium, Hexavalent	02	18540-29-9	SW7199	02/23/2024 09:00	02/24/2024 03:00	0.72		0.26	0.26	1	mg/kg dry	MGC
Nitrate as N	02	14797-55-8	SW9056A	02/15/2024 16:00	02/15/2024 16:00	4.06		1.31	2.61	1	mg/kg dry	LBH2
Percent Solids	02	NA	SM2540G-2011	02/16/2024 08:35	02/16/2024 08:35	76.6		0.10	0.10	1	%	KJM

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Client Sample ID: **SC-59** **Laboratory Sample ID:** **24B0796-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	03	7440-22-4	SW6020B	02/15/2024 09:45	02/16/2024 10:17	408		2.96	2.96	1	ug/kg dry	AB
Arsenic	03RE1	7440-38-2	SW6020B	02/15/2024 09:45	02/16/2024 11:51	76000		5930	5930	100	ug/kg dry	AB
Barium	03RE1	7440-39-3	SW6020B	02/15/2024 09:45	02/16/2024 11:51	115000		59300	59300	100	ug/kg dry	AB
Beryllium	03	7440-41-7	SW6020B	02/15/2024 09:45	02/16/2024 10:17	442		59.3	59.3	1	ug/kg dry	AB
Cadmium	03	7440-43-9	SW6020B	02/15/2024 09:45	02/16/2024 10:17	551		59.3	59.3	1	ug/kg dry	AB
Cobalt	03	7440-48-4	SW6020B	02/15/2024 09:45	02/16/2024 10:17	9970		59.3	59.3	1	ug/kg dry	AB
Chromium	03	7440-47-3	SW6020B	02/15/2024 09:45	02/16/2024 10:17	42200		59.3	2960	1	ug/kg dry	AB
Copper	03RE1	7440-50-8	SW6020B	02/15/2024 09:45	02/16/2024 11:51	141000		5930	5930	100	ug/kg dry	AB
Mercury	03RE1	7439-97-6	SW7471B	02/21/2024 09:20	02/21/2024 14:29	3.53		0.394	0.394	20	mg/kg dry	SGT
Manganese	03RE1	7439-96-5	SW6020B	02/15/2024 09:45	02/16/2024 11:51	362000		5930	5930	100	ug/kg dry	AB
Nickel	03	7440-02-0	SW6020B	02/15/2024 09:45	02/16/2024 10:17	14900		59.3	59.3	1	ug/kg dry	AB
Lead	03RE1	7439-92-1	SW6020B	02/15/2024 09:45	02/16/2024 11:51	3450000		5930	5930	100	ug/kg dry	AB
Antimony	03	7440-36-0	SW6020B	02/15/2024 09:45	02/16/2024 10:17	5190		59.3	59.3	1	ug/kg dry	AB
Selenium	03	7782-49-2	SW6020B	02/15/2024 09:45	02/16/2024 10:17	10400		59.3	59.3	1	ug/kg dry	AB
Thallium	03	7440-28-0	SW6020B	02/15/2024 09:45	02/16/2024 10:17	400		59.3	59.3	1	ug/kg dry	AB
Vanadium	03RE1	7440-62-2	SW6020B	02/15/2024 09:45	02/16/2024 11:51	93900		29600	29600	100	ug/kg dry	AB
Zinc	03RE1	7440-66-6	SW6020B	02/15/2024 09:45	02/16/2024 11:51	171000		29600	29600	100	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	03	630-20-6	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
1,1,1-Trichloroethane	03	71-55-6	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	03	79-34-5	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
1,1,2-Trichloroethane	03	79-00-5	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
1,1-Dichloroethane	03	75-34-3	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
1,1-Dichloroethylene	03	75-35-4	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB

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Client Sample ID: **SC-59** **Laboratory Sample ID:** **24B0796-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	03	563-58-6	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	03	87-61-6	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
1,2,3-Trichloropropane	03	96-18-4	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	03	120-82-1	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	03	95-63-6	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	03	96-12-8	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	03	106-93-4	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
1,2-Dichlorobenzene	03	95-50-1	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
1,2-Dichloroethane	03	107-06-2	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
1,2-Dichloropropane	03	78-87-5	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	03	108-67-8	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
1,3-Dichlorobenzene	03	541-73-1	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
1,3-Dichloropropane	03	142-28-9	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
1,4-Dichlorobenzene	03	106-46-7	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
2,2-Dichloropropane	03	594-20-7	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
2-Butanone (MEK)	03	78-93-3	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
2-Chlorotoluene	03	95-49-8	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
2-Hexanone (MBK)	03	591-78-6	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
4-Chlorotoluene	03	106-43-4	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
4-Isopropyltoluene	03	99-87-6	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	03	108-10-1	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
Acetone	03	67-64-1	SW8260D	02/15/2024 15:14	02/15/2024 15:14	42.2		8.76	10.0	1	ug/kg dry	RJB
Benzene	03	71-43-2	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
Bromobenzene	03	108-86-1	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB

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Client Sample ID: **SC-59** **Laboratory Sample ID:** **24B0796-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	03	74-97-5	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
Bromodichloromethane	03	75-27-4	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
Bromoform	03	75-25-2	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD	C	4.38	5.00	1	ug/kg dry	RJB
Bromomethane	03	74-83-9	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
Carbon disulfide	03	75-15-0	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
Carbon tetrachloride	03	56-23-5	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
Chlorobenzene	03	108-90-7	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
Chloroethane	03	75-00-3	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
Chloroform	03	67-66-3	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
Chloromethane	03	74-87-3	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	03	156-59-2	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	03	10061-01-5	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
Dibromochloromethane	03	124-48-1	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
Dibromomethane	03	74-95-3	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
Dichlorodifluoromethane	03	75-71-8	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	03	108-20-3	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
Ethylbenzene	03	100-41-4	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
Hexachlorobutadiene	03	87-68-3	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
Iodomethane	03	74-88-4	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		8.76	10.0	1	ug/kg dry	RJB
Isopropylbenzene	03	98-82-8	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
m+p-Xylenes	03	179601-23-1	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
Methylene chloride	03	75-09-2	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	03	1634-04-4	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB

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Client Sample ID: **SC-59** **Laboratory Sample ID:** **24B0796-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	03	91-20-3	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
n-Butylbenzene	03	104-51-8	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
n-Propylbenzene	03	103-65-1	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
o-Xylene	03	95-47-6	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
sec-Butylbenzene	03	135-98-8	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
Styrene	03	100-42-5	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
tert-Butylbenzene	03	98-06-6	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	03	127-18-4	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
Toluene	03	108-88-3	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	03	156-60-5	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	03	10061-02-6	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
Trichloroethylene	03	79-01-6	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
Trichlorofluoromethane	03	75-69-4	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
Vinyl acetate	03	108-05-4	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	10.0	1	ug/kg dry	RJB
Vinyl chloride	03	75-01-4	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		4.38	5.00	1	ug/kg dry	RJB
Xylenes, Total	03	1330-20-7	SW8260D	02/15/2024 15:14	02/15/2024 15:14	BLOD		13.1	15.0	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*03*		*101 %*	*80-120*	*02/15/2024 15:14*	*02/15/2024 15:14*						
Surr: 4-Bromofluorobenzene (Surr)	*03*		*99.7 %*	*85-120*	*02/15/2024 15:14*	*02/15/2024 15:14*						
Surr: Dibromofluoromethane (Surr)	*03*		*93.9 %*	*80-130*	*02/15/2024 15:14*	*02/15/2024 15:14*						
Surr: Toluene-d8 (Surr)	*03*		*99.5 %*	*85-115*	*02/15/2024 15:14*	*02/15/2024 15:14*						

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Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 3/4/2024 4:56:21PM

Client Sample ID: **SC-59** **Laboratory Sample ID:** **24B0796-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	03	123-91-1	SW8270E SIM	02/21/2024 09:15	02/26/2024 19:37	BLOD		7.97	7.97	2	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*03*	*29.7 %*	*35-100*	*02/21/2024 09:15*	*02/26/2024 19:37*							*DS*
1,2,4,5-Tetrachlorobenzene	03	95-94-3	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
1,2,4-Trichlorobenzene	03	120-82-1	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
1,2-Dichlorobenzene	03	95-50-1	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
1,2-Diphenylhydrazine	03	122-66-7	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
1,3-Dichlorobenzene	03	541-73-1	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
1,3-Dinitrobenzene	03	99-65-0	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
1,4-Dichlorobenzene	03	106-46-7	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
1-Chloronaphthalene	03	90-13-1	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
1-Naphthylamine	03	134-32-7	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	03	58-90-2	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
2,4,5-Trichlorophenol	03	95-95-4	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
2,4,6-Trichlorophenol	03	88-06-2	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
2,4-Dichlorophenol	03	120-83-2	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
2,4-Dimethylphenol	03	105-67-9	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
2,4-Dinitrophenol	03	51-28-5	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
2,4-Dinitrotoluene	03	121-14-2	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
2,6-Dichlorophenol	03	87-65-0	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
2,6-Dinitrotoluene	03	606-20-2	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
2-Chloronaphthalene	03	91-58-7	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
2-Chlorophenol	03	95-57-8	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
2-Methylnaphthalene	03	91-57-6	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS

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Client Sample ID: **SC-59** **Laboratory Sample ID:** **24B0796-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	03	91-59-8	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
2-Nitroaniline	03	88-74-4	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
2-Nitrophenol	03	88-75-5	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
3,3'-Dichlorobenzidine	03	91-94-1	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
3-Methylcholanthrene	03	56-49-5	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
3-Nitroaniline	03	99-09-2	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	03	534-52-1	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
4-Aminobiphenyl	03	92-67-1	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
4-Bromophenyl phenyl ether	03	101-55-3	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
4-Chloroaniline	03	106-47-8	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	03	7005-72-3	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
4-Nitroaniline	03	100-01-6	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
4-Nitrophenol	03	100-02-7	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	03	57-97-6	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Acenaphthene	03	83-32-9	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Acenaphthylene	03	208-96-8	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Acetophenone	03	98-86-2	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Aniline	03	62-53-3	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Anthracene	03	120-12-7	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Benzidine	03	92-87-5	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Benzo (a) anthracene	03	56-55-3	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Benzo (a) pyrene	03	50-32-8	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Benzo (b) fluoranthene	03	205-99-2	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Benzo (g,h,i) perylene	03	191-24-2	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS

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Client Sample ID: **SC-59** **Laboratory Sample ID:** **24B0796-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	03	207-08-9	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Benzoic acid	03	65-85-0	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Benzyl alcohol	03	100-51-6	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	03	111-91-1	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
bis (2-Chloroethyl) ether	03	111-44-4	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	03	108-60-1	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	03	117-81-7	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Butyl benzyl phthalate	03	85-68-7	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Chrysene	03	218-01-9	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Dibenz (a,h) anthracene	03	53-70-3	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Dibenz (a,j) acridine	03	224-42-0	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Dibenzofuran	03	132-64-9	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Diethyl phthalate	03	84-66-2	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Dimethyl phthalate	03	131-11-3	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Di-n-butyl phthalate	03	84-74-2	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Di-n-octyl phthalate	03	117-84-0	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Diphenylamine	03	122-39-4	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Ethyl methanesulfonate	03	62-50-0	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Fluoranthene	03	206-44-0	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Fluorene	03	86-73-7	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Hexachlorobenzene	03	118-74-1	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Hexachlorobutadiene	03	87-68-3	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Hexachlorocyclopentadiene	03	77-47-4	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Hexachloroethane	03	67-72-1	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS

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Client Sample ID: **SC-59** **Laboratory Sample ID:** **24B0796-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	03	193-39-5	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Isophorone	03	78-59-1	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
m+p-Cresols	03	1319-77-3	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Methyl methanesulfonate	03	66-27-3	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Naphthalene	03	91-20-3	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Nitrobenzene	03	98-95-3	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
n-Nitrosodimethylamine	03	62-75-9	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	03	924-16-3	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	03	621-64-7	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
n-Nitrosodiphenylamine	03	86-30-6	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
n-Nitrosopiperidine	03	100-75-4	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
o+m+p-Cresols	03	1319-77-3	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
o-Cresol	03	95-48-7	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	03	60-11-7	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
p-Chloro-m-cresol	03	59-50-7	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	03	82-68-8	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Pentachlorophenol	03	87-86-5	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Phenacetin	03	62-44-2	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Phenanthrene	03	85-01-8	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Phenol	03	108-95-2	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Pronamide	03	23950-58-5	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Pyrene	03	129-00-0	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Pyridine	03	110-86-1	SW8270E	02/16/2024 10:45	02/23/2024 21:29	BLOD		997	997	10	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*03*	*49.3 %*	*15-96*	*02/16/2024 10:45*	*02/23/2024 21:29*							

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*03*		*39.0 %*	*19-105*	*02/16/2024 10:45*	*02/23/2024 21:29*						
Surr: 2-Fluorophenol (Surr)	*03*		*48.5 %*	*12-95*	*02/16/2024 10:45*	*02/23/2024 21:29*						
Surr: Nitrobenzene-d5 (Surr)	*03*		*39.4 %*	*21-100*	*02/16/2024 10:45*	*02/23/2024 21:29*						
Surr: Phenol-d5 (Surr)	*03*		*49.3 %*	*13-100*	*02/16/2024 10:45*	*02/23/2024 21:29*						
Surr: p-Terphenyl-d14 (Surr)	*03*		*64.8 %*	*25-125*	*02/16/2024 10:45*	*02/23/2024 21:29*						

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Ion Chromatography Analyses												
Sulfate	03	14808-79-8	SW9056A	02/15/2024 16:00	02/15/2024 16:00	200		3.08	12.3	1	mg/kg dry	LBH2

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Wet Chemistry Analysis												
Ammonia as N	03	7664-41-7	EPA350.1 R2.0	02/28/2024 14:27	02/28/2024 14:27	BLOD		12.1	12.1	1	mg/kg dry	MGC
Chromium, Hexavalent	03	18540-29-9	SW7199	02/23/2024 09:00	02/24/2024 03:26	1.47		0.25	0.25	1	mg/kg dry	MGC
Nitrate as N	03	14797-55-8	SW9056A	02/15/2024 16:00	02/15/2024 16:00	3.79		1.23	2.47	1	mg/kg dry	LBH2
Percent Solids	03	NA	SM2540G-2011	02/16/2024 08:35	02/16/2024 08:35	81.1		0.10	0.10	1	%	KJM

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Client Sample ID: **SC-64** **Laboratory Sample ID:** **24B0796-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	04RE1	7440-22-4	SW6020B	02/19/2024 11:15	02/20/2024 09:56	1430		300	300	10	ug/kg dry	AB
Arsenic	04RE1	7440-38-2	SW6020B	02/15/2024 09:45	02/16/2024 11:57	115000		2950	2950	50	ug/kg dry	AB
Barium	04RE1	7440-39-3	SW6020B	02/15/2024 09:45	02/16/2024 11:57	125000		29500	29500	50	ug/kg dry	AB
Beryllium	04	7440-41-7	SW6020B	02/15/2024 09:45	02/16/2024 10:21	758		58.9	58.9	1	ug/kg dry	AB
Cadmium	04	7440-43-9	SW6020B	02/15/2024 09:45	02/16/2024 10:21	1240		58.9	58.9	1	ug/kg dry	AB
Cobalt	04	7440-48-4	SW6020B	02/15/2024 09:45	02/16/2024 10:21	8260		58.9	58.9	1	ug/kg dry	AB
Chromium	04	7440-47-3	SW6020B	02/15/2024 09:45	02/16/2024 10:21	44900		58.9	2950	1	ug/kg dry	AB
Copper	04RE1	7440-50-8	SW6020B	02/15/2024 09:45	02/16/2024 11:57	182000		2950	2950	50	ug/kg dry	AB
Mercury	04RE3	7439-97-6	SW7471B	02/21/2024 09:20	02/21/2024 14:50	16.7		0.937	0.937	50	mg/kg dry	SGT
Manganese	04RE1	7439-96-5	SW6020B	02/15/2024 09:45	02/16/2024 11:57	295000		2950	2950	50	ug/kg dry	AB
Nickel	04	7440-02-0	SW6020B	02/15/2024 09:45	02/16/2024 10:21	17300		58.9	58.9	1	ug/kg dry	AB
Lead	04RE2	7439-92-1	SW6020B	02/15/2024 09:45	02/16/2024 11:54	78800000		589000	589000	10000	ug/kg dry	AB
Antimony	04	7440-36-0	SW6020B	02/15/2024 09:45	02/16/2024 10:21	14400		58.9	58.9	1	ug/kg dry	AB
Selenium	04	7782-49-2	SW6020B	02/15/2024 09:45	02/16/2024 10:21	16700		58.9	58.9	1	ug/kg dry	AB
Thallium	04RE2	7440-28-0	SW6020B	02/15/2024 09:45	02/22/2024 09:56	513		295	295	5	ug/kg dry	AB
Vanadium	04RE1	7440-62-2	SW6020B	02/15/2024 09:45	02/16/2024 11:57	70000		14700	14700	50	ug/kg dry	AB
Zinc	04RE1	7440-66-6	SW6020B	02/15/2024 09:45	02/16/2024 11:57	610000		14700	14700	50	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	04	630-20-6	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
1,1,1-Trichloroethane	04	71-55-6	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	04	79-34-5	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
1,1,2-Trichloroethane	04	79-00-5	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
1,1-Dichloroethane	04	75-34-3	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
1,1-Dichloroethylene	04	75-35-4	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB

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Certificate of Analysis

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 3/4/2024 4:56:21PM

Client Sample ID: **SC-64** **Laboratory Sample ID:** **24B0796-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	04	563-58-6	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	04	87-61-6	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
1,2,3-Trichloropropane	04	96-18-4	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	04	120-82-1	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	04	95-63-6	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	04	96-12-8	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	04	106-93-4	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
1,2-Dichlorobenzene	04	95-50-1	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
1,2-Dichloroethane	04	107-06-2	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
1,2-Dichloropropane	04	78-87-5	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	04	108-67-8	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
1,3-Dichlorobenzene	04	541-73-1	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
1,3-Dichloropropane	04	142-28-9	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
1,4-Dichlorobenzene	04	106-46-7	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
2,2-Dichloropropane	04	594-20-7	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
2-Butanone (MEK)	04	78-93-3	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
2-Chlorotoluene	04	95-49-8	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
2-Hexanone (MBK)	04	591-78-6	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
4-Chlorotoluene	04	106-43-4	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
4-Isopropyltoluene	04	99-87-6	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	04	108-10-1	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
Acetone	04	67-64-1	SW8260D	02/15/2024 15:37	02/15/2024 15:37	42.0		8.88	10.0	1	ug/kg dry	RJB
Benzene	04	71-43-2	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
Bromobenzene	04	108-86-1	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	04	74-97-5	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
Bromodichloromethane	04	75-27-4	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
Bromoform	04	75-25-2	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD	C	4.44	5.00	1	ug/kg dry	RJB
Bromomethane	04	74-83-9	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
Carbon disulfide	04	75-15-0	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
Carbon tetrachloride	04	56-23-5	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
Chlorobenzene	04	108-90-7	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
Chloroethane	04	75-00-3	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
Chloroform	04	67-66-3	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
Chloromethane	04	74-87-3	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	04	156-59-2	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	04	10061-01-5	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
Dibromochloromethane	04	124-48-1	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
Dibromomethane	04	74-95-3	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
Dichlorodifluoromethane	04	75-71-8	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	04	108-20-3	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
Ethylbenzene	04	100-41-4	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
Hexachlorobutadiene	04	87-68-3	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
Iodomethane	04	74-88-4	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		8.88	10.0	1	ug/kg dry	RJB
Isopropylbenzene	04	98-82-8	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
m+p-Xylenes	04	179601-23-1	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
Methylene chloride	04	75-09-2	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	04	1634-04-4	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB

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Client Sample ID: **SC-64** **Laboratory Sample ID:** **24B0796-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	04	91-20-3	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
n-Butylbenzene	04	104-51-8	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
n-Propylbenzene	04	103-65-1	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
o-Xylene	04	95-47-6	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
sec-Butylbenzene	04	135-98-8	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
Styrene	04	100-42-5	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
tert-Butylbenzene	04	98-06-6	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	04	127-18-4	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
Toluene	04	108-88-3	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	04	156-60-5	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	04	10061-02-6	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
Trichloroethylene	04	79-01-6	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
Trichlorofluoromethane	04	75-69-4	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
Vinyl acetate	04	108-05-4	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	10.0	1	ug/kg dry	RJB
Vinyl chloride	04	75-01-4	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		4.44	5.00	1	ug/kg dry	RJB
Xylenes, Total	04	1330-20-7	SW8260D	02/15/2024 15:37	02/15/2024 15:37	BLOD		13.3	15.0	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*04*		*105 %*	*80-120*	*02/15/2024 15:37*	*02/15/2024 15:37*						
Surr: 4-Bromofluorobenzene (Surr)	*04*		*102 %*	*85-120*	*02/15/2024 15:37*	*02/15/2024 15:37*						
Surr: Dibromofluoromethane (Surr)	*04*		*94.6 %*	*80-130*	*02/15/2024 15:37*	*02/15/2024 15:37*						
Surr: Toluene-d8 (Surr)	*04*		*98.9 %*	*85-115*	*02/15/2024 15:37*	*02/15/2024 15:37*						

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Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	04	123-91-1	SW8270E SIM	02/21/2024 09:15	02/26/2024 20:03	BLOD		8.02	8.02	2	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*04*		*48.0 %*	*35-100*	*02/21/2024 09:15*	*02/26/2024 20:03*						
1,2,4,5-Tetrachlorobenzene	04	95-94-3	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
1,2,4-Trichlorobenzene	04	120-82-1	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
1,2-Dichlorobenzene	04	95-50-1	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
1,2-Diphenylhydrazine	04	122-66-7	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
1,3-Dichlorobenzene	04	541-73-1	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
1,3-Dinitrobenzene	04	99-65-0	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
1,4-Dichlorobenzene	04	106-46-7	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
1-Chloronaphthalene	04	90-13-1	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
1-Naphthylamine	04	134-32-7	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	04	58-90-2	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
2,4,5-Trichlorophenol	04	95-95-4	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
2,4,6-Trichlorophenol	04	88-06-2	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
2,4-Dichlorophenol	04	120-83-2	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
2,4-Dimethylphenol	04	105-67-9	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
2,4-Dinitrophenol	04	51-28-5	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
2,4-Dinitrotoluene	04	121-14-2	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
2,6-Dichlorophenol	04	87-65-0	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
2,6-Dinitrotoluene	04	606-20-2	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
2-Chloronaphthalene	04	91-58-7	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
2-Chlorophenol	04	95-57-8	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
2-Methylnaphthalene	04	91-57-6	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	04	91-59-8	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
2-Nitroaniline	04	88-74-4	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
2-Nitrophenol	04	88-75-5	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
3,3'-Dichlorobenzidine	04	91-94-1	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
3-Methylcholanthrene	04	56-49-5	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
3-Nitroaniline	04	99-09-2	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	04	534-52-1	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
4-Aminobiphenyl	04	92-67-1	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
4-Bromophenyl phenyl ether	04	101-55-3	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
4-Chloroaniline	04	106-47-8	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	04	7005-72-3	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
4-Nitroaniline	04	100-01-6	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
4-Nitrophenol	04	100-02-7	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	04	57-97-6	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Acenaphthene	04	83-32-9	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Acenaphthylene	04	208-96-8	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Acetophenone	04	98-86-2	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Aniline	04	62-53-3	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Anthracene	04	120-12-7	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Benzidine	04	92-87-5	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Benzo (a) anthracene	04	56-55-3	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Benzo (a) pyrene	04	50-32-8	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Benzo (b) fluoranthene	04	205-99-2	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Benzo (g,h,i) perylene	04	191-24-2	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS

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Submitted To: Tom Raymond

Date Issued: 3/4/2024 4:56:21PM

Client Sample ID: **SC-64** **Laboratory Sample ID:** **24B0796-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	04	207-08-9	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Benzoic acid	04	65-85-0	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Benzyl alcohol	04	100-51-6	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	04	111-91-1	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
bis (2-Chloroethyl) ether	04	111-44-4	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	04	108-60-1	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	04	117-81-7	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Butyl benzyl phthalate	04	85-68-7	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Chrysene	04	218-01-9	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Dibenz (a,h) anthracene	04	53-70-3	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Dibenz (a,j) acridine	04	224-42-0	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Dibenzofuran	04	132-64-9	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Diethyl phthalate	04	84-66-2	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Dimethyl phthalate	04	131-11-3	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Di-n-butyl phthalate	04	84-74-2	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Di-n-octyl phthalate	04	117-84-0	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Diphenylamine	04	122-39-4	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Ethyl methanesulfonate	04	62-50-0	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Fluoranthene	04	206-44-0	SW8270E	02/16/2024 10:45	02/23/2024 22:03	1150		1000	1000	10	ug/kg dry	BMS
Fluorene	04	86-73-7	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Hexachlorobenzene	04	118-74-1	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Hexachlorobutadiene	04	87-68-3	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Hexachlorocyclopentadiene	04	77-47-4	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Hexachloroethane	04	67-72-1	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS

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Client Sample ID: **SC-64** **Laboratory Sample ID:** **24B0796-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	04	193-39-5	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Isophorone	04	78-59-1	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
m+p-Cresols	04	1319-77-3	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Methyl methanesulfonate	04	66-27-3	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Naphthalene	04	91-20-3	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Nitrobenzene	04	98-95-3	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
n-Nitrosodimethylamine	04	62-75-9	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	04	924-16-3	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	04	621-64-7	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
n-Nitrosodiphenylamine	04	86-30-6	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
n-Nitrosopiperidine	04	100-75-4	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
o+m+p-Cresols	04	1319-77-3	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
o-Cresol	04	95-48-7	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	04	60-11-7	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
p-Chloro-m-cresol	04	59-50-7	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	04	82-68-8	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Pentachlorophenol	04	87-86-5	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Phenacetin	04	62-44-2	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Phenanthrene	04	85-01-8	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Phenol	04	108-95-2	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Pronamide	04	23950-58-5	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Pyrene	04	129-00-0	SW8270E	02/16/2024 10:45	02/23/2024 22:03	1280		1000	1000	10	ug/kg dry	BMS
Pyridine	04	110-86-1	SW8270E	02/16/2024 10:45	02/23/2024 22:03	BLOD		1000	1000	10	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*04*		*48.0 %*	*15-96*	*02/16/2024 10:45*	*02/23/2024 22:03*						

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Client Sample ID: **SC-64** **Laboratory Sample ID:** **24B0796-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*04*		*33.8 %*	*19-105*	*02/16/2024 10:45*	*02/23/2024 22:03*						
Surr: 2-Fluorophenol (Surr)	*04*		*33.9 %*	*12-95*	*02/16/2024 10:45*	*02/23/2024 22:03*						
Surr: Nitrobenzene-d5 (Surr)	*04*		*41.0 %*	*21-100*	*02/16/2024 10:45*	*02/23/2024 22:03*						
Surr: Phenol-d5 (Surr)	*04*		*45.7 %*	*13-100*	*02/16/2024 10:45*	*02/23/2024 22:03*						
Surr: p-Terphenyl-d14 (Surr)	*04*		*54.8 %*	*25-125*	*02/16/2024 10:45*	*02/23/2024 22:03*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	04	14808-79-8	SW9056A	02/15/2024 16:00	02/15/2024 16:00	77.8		3.15	12.6	1	mg/kg dry	LBH2

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	04	7664-41-7	EPA350.1 R2.0	02/28/2024 14:27	02/28/2024 14:27	BLOD		12.5	12.5	1	mg/kg dry	MGC
Chromium, Hexavalent	04	18540-29-9	SW7199	02/23/2024 09:00	02/24/2024 03:53	2.66		0.25	0.25	1	mg/kg dry	MGC
Nitrate as N	04	14797-55-8	SW9056A	02/15/2024 16:00	02/15/2024 16:00	3.37		1.26	2.52	1	mg/kg dry	LBH2
Percent Solids	04	NA	SM2540G-2011	02/16/2024 08:35	02/16/2024 08:35	79.4		0.10	0.10	1	%	KJM

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Client Sample ID: **SC-62** **Laboratory Sample ID:** **24B0796-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	05	7440-22-4	SW6020B	02/15/2024 09:45	02/16/2024 10:24	255		3.11	3.11	1	ug/kg dry	AB
Arsenic	05	7440-38-2	SW6020B	02/15/2024 09:45	02/16/2024 10:24	8190		62.2	62.2	1	ug/kg dry	AB
Barium	05RE1	7440-39-3	SW6020B	02/15/2024 09:45	02/16/2024 12:03	294000		12400	12400	20	ug/kg dry	AB
Beryllium	05	7440-41-7	SW6020B	02/15/2024 09:45	02/16/2024 10:24	930		62.2	62.2	1	ug/kg dry	AB
Cadmium	05	7440-43-9	SW6020B	02/15/2024 09:45	02/16/2024 10:24	945		62.2	62.2	1	ug/kg dry	AB
Cobalt	05	7440-48-4	SW6020B	02/15/2024 09:45	02/16/2024 10:24	18500		62.2	62.2	1	ug/kg dry	AB
Chromium	05	7440-47-3	SW6020B	02/15/2024 09:45	02/16/2024 10:24	54400		62.2	3110	1	ug/kg dry	AB
Copper	05RE1	7440-50-8	SW6020B	02/15/2024 09:45	02/16/2024 12:03	96600		1240	1240	20	ug/kg dry	AB
Mercury	05	7439-97-6	SW7471B	02/21/2024 09:20	02/21/2024 11:28	0.186		0.010	0.010	1	mg/kg dry	SGT
Manganese	05RE1	7439-96-5	SW6020B	02/15/2024 09:45	02/16/2024 12:03	488000		1240	1240	20	ug/kg dry	AB
Nickel	05	7440-02-0	SW6020B	02/15/2024 09:45	02/16/2024 10:24	27300		62.2	62.2	1	ug/kg dry	AB
Lead	05RE1	7439-92-1	SW6020B	02/15/2024 09:45	02/16/2024 12:03	303000		1240	1240	20	ug/kg dry	AB
Antimony	05	7440-36-0	SW6020B	02/15/2024 09:45	02/16/2024 10:24	1630		62.2	62.2	1	ug/kg dry	AB
Selenium	05	7782-49-2	SW6020B	02/15/2024 09:45	02/16/2024 10:24	2480		62.2	62.2	1	ug/kg dry	AB
Thallium	05	7440-28-0	SW6020B	02/15/2024 09:45	02/16/2024 10:24	180		62.2	62.2	1	ug/kg dry	AB
Vanadium	05RE1	7440-62-2	SW6020B	02/15/2024 09:45	02/16/2024 12:03	104000		6220	6220	20	ug/kg dry	AB
Zinc	05RE1	7440-66-6	SW6020B	02/15/2024 09:45	02/16/2024 12:03	1040000		6220	6220	20	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	05	630-20-6	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
1,1,1-Trichloroethane	05	71-55-6	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	05	79-34-5	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
1,1,2-Trichloroethane	05	79-00-5	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
1,1-Dichloroethane	05	75-34-3	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
1,1-Dichloroethylene	05	75-35-4	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB

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Client Sample ID: **SC-62** **Laboratory Sample ID:** **24B0796-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	05	563-58-6	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	05	87-61-6	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
1,2,3-Trichloropropane	05	96-18-4	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	05	120-82-1	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	05	95-63-6	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	05	96-12-8	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	05	106-93-4	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
1,2-Dichlorobenzene	05	95-50-1	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
1,2-Dichloroethane	05	107-06-2	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
1,2-Dichloropropane	05	78-87-5	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	05	108-67-8	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
1,3-Dichlorobenzene	05	541-73-1	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
1,3-Dichloropropane	05	142-28-9	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
1,4-Dichlorobenzene	05	106-46-7	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
2,2-Dichloropropane	05	594-20-7	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
2-Butanone (MEK)	05	78-93-3	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
2-Chlorotoluene	05	95-49-8	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
2-Hexanone (MBK)	05	591-78-6	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
4-Chlorotoluene	05	106-43-4	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
4-Isopropyltoluene	05	99-87-6	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	05	108-10-1	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
Acetone	05	67-64-1	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		10.7	10.7	1	ug/kg dry	RJB
Benzene	05	71-43-2	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
Bromobenzene	05	108-86-1	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

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Client Sample ID: **SC-62** **Laboratory Sample ID:** **24B0796-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	05	74-97-5	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
Bromodichloromethane	05	75-27-4	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
Bromoform	05	75-25-2	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD	C	5.37	5.37	1	ug/kg dry	RJB
Bromomethane	05	74-83-9	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
Carbon disulfide	05	75-15-0	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
Carbon tetrachloride	05	56-23-5	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
Chlorobenzene	05	108-90-7	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
Chloroethane	05	75-00-3	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
Chloroform	05	67-66-3	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
Chloromethane	05	74-87-3	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	05	156-59-2	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	05	10061-01-5	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
Dibromochloromethane	05	124-48-1	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
Dibromomethane	05	74-95-3	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
Dichlorodifluoromethane	05	75-71-8	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	05	108-20-3	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
Ethylbenzene	05	100-41-4	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
Hexachlorobutadiene	05	87-68-3	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
Iodomethane	05	74-88-4	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		10.7	10.7	1	ug/kg dry	RJB
Isopropylbenzene	05	98-82-8	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
m+p-Xylenes	05	179601-23-1	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
Methylene chloride	05	75-09-2	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	05	1634-04-4	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB

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Client Sample ID: **SC-62** **Laboratory Sample ID:** **24B0796-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	05	91-20-3	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
n-Butylbenzene	05	104-51-8	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
n-Propylbenzene	05	103-65-1	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
o-Xylene	05	95-47-6	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
sec-Butylbenzene	05	135-98-8	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
Styrene	05	100-42-5	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
tert-Butylbenzene	05	98-06-6	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	05	127-18-4	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
Toluene	05	108-88-3	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	05	156-60-5	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	05	10061-02-6	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
Trichloroethylene	05	79-01-6	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
Trichlorofluoromethane	05	75-69-4	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
Vinyl acetate	05	108-05-4	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	10.7	1	ug/kg dry	RJB
Vinyl chloride	05	75-01-4	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		5.37	5.37	1	ug/kg dry	RJB
Xylenes, Total	05	1330-20-7	SW8260D	02/15/2024 16:01	02/15/2024 16:01	BLOD		16.1	16.1	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*05*		*103 %*	*80-120*	*02/15/2024 16:01*	*02/15/2024 16:01*						
Surr: 4-Bromofluorobenzene (Surr)	*05*		*101 %*	*85-120*	*02/15/2024 16:01*	*02/15/2024 16:01*						
Surr: Dibromofluoromethane (Surr)	*05*		*94.6 %*	*80-130*	*02/15/2024 16:01*	*02/15/2024 16:01*						
Surr: Toluene-d8 (Surr)	*05*		*100 %*	*85-115*	*02/15/2024 16:01*	*02/15/2024 16:01*						

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Client Sample ID: **SC-62** **Laboratory Sample ID:** **24B0796-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	05	123-91-1	SW8270E SIM	02/21/2024 09:15	02/26/2024 20:29	BLOD		8.16	8.16	2	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*05*	*50.9 %*	*35-100*	*02/21/2024 09:15*	*02/26/2024 20:29*							
1,2,4,5-Tetrachlorobenzene	05	95-94-3	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
1,2,4-Trichlorobenzene	05	120-82-1	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
1,2-Dichlorobenzene	05	95-50-1	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
1,2-Diphenylhydrazine	05	122-66-7	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
1,3-Dichlorobenzene	05	541-73-1	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
1,3-Dinitrobenzene	05	99-65-0	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
1,4-Dichlorobenzene	05	106-46-7	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
1-Chloronaphthalene	05	90-13-1	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
1-Naphthylamine	05	134-32-7	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	05	58-90-2	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
2,4,5-Trichlorophenol	05	95-95-4	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
2,4,6-Trichlorophenol	05	88-06-2	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
2,4-Dichlorophenol	05	120-83-2	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
2,4-Dimethylphenol	05	105-67-9	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
2,4-Dinitrophenol	05	51-28-5	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
2,4-Dinitrotoluene	05	121-14-2	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
2,6-Dichlorophenol	05	87-65-0	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
2,6-Dinitrotoluene	05	606-20-2	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
2-Chloronaphthalene	05	91-58-7	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
2-Chlorophenol	05	95-57-8	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
2-Methylnaphthalene	05	91-57-6	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	05	91-59-8	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
2-Nitroaniline	05	88-74-4	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
2-Nitrophenol	05	88-75-5	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
3,3'-Dichlorobenzidine	05	91-94-1	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
3-Methylcholanthrene	05	56-49-5	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
3-Nitroaniline	05	99-09-2	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	05	534-52-1	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
4-Aminobiphenyl	05	92-67-1	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
4-Bromophenyl phenyl ether	05	101-55-3	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
4-Chloroaniline	05	106-47-8	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	05	7005-72-3	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
4-Nitroaniline	05	100-01-6	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
4-Nitrophenol	05	100-02-7	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	05	57-97-6	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Acenaphthene	05	83-32-9	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Acenaphthylene	05	208-96-8	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Acetophenone	05	98-86-2	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Aniline	05	62-53-3	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Anthracene	05	120-12-7	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Benzidine	05	92-87-5	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Benzo (a) anthracene	05	56-55-3	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Benzo (a) pyrene	05	50-32-8	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Benzo (b) fluoranthene	05	205-99-2	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Benzo (g,h,i) perylene	05	191-24-2	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS

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Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	05	207-08-9	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Benzoic acid	05	65-85-0	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Benzyl alcohol	05	100-51-6	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	05	111-91-1	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
bis (2-Chloroethyl) ether	05	111-44-4	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	05	108-60-1	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	05	117-81-7	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Butyl benzyl phthalate	05	85-68-7	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Chrysene	05	218-01-9	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Dibenz (a,h) anthracene	05	53-70-3	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Dibenz (a,j) acridine	05	224-42-0	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Dibenzofuran	05	132-64-9	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Diethyl phthalate	05	84-66-2	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Dimethyl phthalate	05	131-11-3	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Di-n-butyl phthalate	05	84-74-2	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Di-n-octyl phthalate	05	117-84-0	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Diphenylamine	05	122-39-4	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Ethyl methanesulfonate	05	62-50-0	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Fluoranthene	05	206-44-0	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Fluorene	05	86-73-7	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Hexachlorobenzene	05	118-74-1	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Hexachlorobutadiene	05	87-68-3	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Hexachlorocyclopentadiene	05	77-47-4	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Hexachloroethane	05	67-72-1	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS

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Client Sample ID: **SC-62** **Laboratory Sample ID:** **24B0796-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	05	193-39-5	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Isophorone	05	78-59-1	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
m+p-Cresols	05	1319-77-3	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Methyl methanesulfonate	05	66-27-3	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Naphthalene	05	91-20-3	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Nitrobenzene	05	98-95-3	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
n-Nitrosodimethylamine	05	62-75-9	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	05	924-16-3	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	05	621-64-7	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
n-Nitrosodiphenylamine	05	86-30-6	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
n-Nitrosopiperidine	05	100-75-4	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
o+m+p-Cresols	05	1319-77-3	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
o-Cresol	05	95-48-7	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	05	60-11-7	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
p-Chloro-m-cresol	05	59-50-7	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	05	82-68-8	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Pentachlorophenol	05	87-86-5	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Phenacetin	05	62-44-2	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Phenanthrene	05	85-01-8	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Phenol	05	108-95-2	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Pronamide	05	23950-58-5	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Pyrene	05	129-00-0	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Pyridine	05	110-86-1	SW8270E	02/16/2024 10:45	02/23/2024 22:38	BLOD		1020	1020	10	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*05*	*46.0 %*	*15-96*	*02/16/2024 10:45*	*02/23/2024 22:38*							

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Client Sample ID: **SC-62** **Laboratory Sample ID:** **24B0796-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*05*		*29.4 %*	*19-105*	*02/16/2024 10:45*	*02/23/2024 22:38*						
Surr: 2-Fluorophenol (Surr)	*05*		*43.3 %*	*12-95*	*02/16/2024 10:45*	*02/23/2024 22:38*						
Surr: Nitrobenzene-d5 (Surr)	*05*		*31.0 %*	*21-100*	*02/16/2024 10:45*	*02/23/2024 22:38*						
Surr: Phenol-d5 (Surr)	*05*		*40.1 %*	*13-100*	*02/16/2024 10:45*	*02/23/2024 22:38*						
Surr: p-Terphenyl-d14 (Surr)	*05*		*52.6 %*	*25-125*	*02/16/2024 10:45*	*02/23/2024 22:38*						

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	05	14808-79-8	SW9056A	02/15/2024 16:00	02/15/2024 16:00	35.1		3.19	12.7	1	mg/kg dry	LBH2

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	05	7664-41-7	EPA350.1 R2.0	02/28/2024 14:27	02/28/2024 14:27	BLOD		12.5	12.5	1	mg/kg dry	MGC
Chromium, Hexavalent	05	18540-29-9	SW7199	02/23/2024 09:00	02/24/2024 04:20	0.63		0.25	0.25	1	mg/kg dry	MGC
Nitrate as N	05	14797-55-8	SW9056A	02/15/2024 16:00	02/15/2024 16:00	1.33	J	1.27	2.55	1	mg/kg dry	LBH2
Percent Solids	05	NA	SM2540G-2011	02/16/2024 08:35	02/16/2024 08:35	78.4		0.10	0.10	1	%	KJM

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Client Sample ID: **Dup 8** **Laboratory Sample ID:** **24B0796-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	06	7440-22-4	SW6020B	02/15/2024 09:45	02/16/2024 10:27	151		2.86	2.86	1	ug/kg dry	AB
Arsenic	06	7440-38-2	SW6020B	02/15/2024 09:45	02/16/2024 10:27	11500		57.3	57.3	1	ug/kg dry	AB
Barium	06RE1	7440-39-3	SW6020B	02/15/2024 09:45	02/16/2024 12:06	156000		11500	11500	20	ug/kg dry	AB
Beryllium	06	7440-41-7	SW6020B	02/15/2024 09:45	02/16/2024 10:27	482		57.3	57.3	1	ug/kg dry	AB
Cadmium	06	7440-43-9	SW6020B	02/15/2024 09:45	02/16/2024 10:27	381		57.3	57.3	1	ug/kg dry	AB
Cobalt	06	7440-48-4	SW6020B	02/15/2024 09:45	02/16/2024 10:27	17700		57.3	57.3	1	ug/kg dry	AB
Chromium	06	7440-47-3	SW6020B	02/15/2024 09:45	02/16/2024 10:27	42300		57.3	2860	1	ug/kg dry	AB
Copper	06RE1	7440-50-8	SW6020B	02/15/2024 09:45	02/16/2024 12:06	87600		1150	1150	20	ug/kg dry	AB
Mercury	06RE1	7439-97-6	SW7471B	02/21/2024 09:20	02/21/2024 14:23	1.06		0.090	0.090	5	mg/kg dry	SGT
Manganese	06RE1	7439-96-5	SW6020B	02/15/2024 09:45	02/16/2024 12:06	650000		1150	1150	20	ug/kg dry	AB
Nickel	06	7440-02-0	SW6020B	02/15/2024 09:45	02/16/2024 10:27	24200		57.3	57.3	1	ug/kg dry	AB
Lead	06RE1	7439-92-1	SW6020B	02/15/2024 09:45	02/16/2024 12:06	358000		1150	1150	20	ug/kg dry	AB
Antimony	06	7440-36-0	SW6020B	02/15/2024 09:45	02/16/2024 10:27	868		57.3	57.3	1	ug/kg dry	AB
Selenium	06	7782-49-2	SW6020B	02/15/2024 09:45	02/16/2024 10:27	3510		57.3	57.3	1	ug/kg dry	AB
Thallium	06	7440-28-0	SW6020B	02/15/2024 09:45	02/16/2024 10:27	195		57.3	57.3	1	ug/kg dry	AB
Vanadium	06RE1	7440-62-2	SW6020B	02/15/2024 09:45	02/16/2024 12:06	81200		5730	5730	20	ug/kg dry	AB
Zinc	06RE1	7440-66-6	SW6020B	02/15/2024 09:45	02/16/2024 12:06	115000		5730	5730	20	ug/kg dry	AB
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	06	630-20-6	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,1,1-Trichloroethane	06	71-55-6	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,1,2,2-Tetrachloroethane	06	79-34-5	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,1,2-Trichloroethane	06	79-00-5	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,1-Dichloroethane	06	75-34-3	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,1-Dichloroethylene	06	75-35-4	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB

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Client Sample ID: **Dup 8** **Laboratory Sample ID:** **24B0796-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1-Dichloropropene	06	563-58-6	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,2,3-Trichlorobenzene	06	87-61-6	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,2,3-Trichloropropane	06	96-18-4	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,2,4-Trichlorobenzene	06	120-82-1	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,2,4-Trimethylbenzene	06	95-63-6	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,2-Dibromo-3-chloropropane (DBCP)	06	96-12-8	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,2-Dibromoethane (EDB)	06	106-93-4	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,2-Dichlorobenzene	06	95-50-1	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,2-Dichloroethane	06	107-06-2	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,2-Dichloropropane	06	78-87-5	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,3,5-Trimethylbenzene	06	108-67-8	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,3-Dichlorobenzene	06	541-73-1	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,3-Dichloropropane	06	142-28-9	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
1,4-Dichlorobenzene	06	106-46-7	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
2,2-Dichloropropane	06	594-20-7	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
2-Butanone (MEK)	06	78-93-3	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
2-Chlorotoluene	06	95-49-8	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
2-Hexanone (MBK)	06	591-78-6	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
4-Chlorotoluene	06	106-43-4	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
4-Isopropyltoluene	06	99-87-6	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
4-Methyl-2-pentanone (MIBK)	06	108-10-1	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
Acetone	06	67-64-1	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		10.5	10.5	1	ug/kg dry	RJB
Benzene	06	71-43-2	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
Bromobenzene	06	108-86-1	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Bromochloromethane	06	74-97-5	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
Bromodichloromethane	06	75-27-4	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
Bromoform	06	75-25-2	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD	C	5.26	5.26	1	ug/kg dry	RJB
Bromomethane	06	74-83-9	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
Carbon disulfide	06	75-15-0	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
Carbon tetrachloride	06	56-23-5	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
Chlorobenzene	06	108-90-7	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
Chloroethane	06	75-00-3	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
Chloroform	06	67-66-3	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
Chloromethane	06	74-87-3	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
cis-1,2-Dichloroethylene	06	156-59-2	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
cis-1,3-Dichloropropene	06	10061-01-5	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
Dibromochloromethane	06	124-48-1	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
Dibromomethane	06	74-95-3	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
Dichlorodifluoromethane	06	75-71-8	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
Di-isopropyl ether (DIPE)	06	108-20-3	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
Ethylbenzene	06	100-41-4	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
Hexachlorobutadiene	06	87-68-3	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
Iodomethane	06	74-88-4	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		10.5	10.5	1	ug/kg dry	RJB
Isopropylbenzene	06	98-82-8	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
m+p-Xylenes	06	179601-23-1	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
Methylene chloride	06	75-09-2	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
Methyl-t-butyl ether (MTBE)	06	1634-04-4	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB

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Submitted To: Tom Raymond

Date Issued: 3/4/2024 4:56:21PM

Client Sample ID: **Dup 8** **Laboratory Sample ID:** **24B0796-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Naphthalene	06	91-20-3	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
n-Butylbenzene	06	104-51-8	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
n-Propylbenzene	06	103-65-1	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
o-Xylene	06	95-47-6	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
sec-Butylbenzene	06	135-98-8	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
Styrene	06	100-42-5	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
tert-Butylbenzene	06	98-06-6	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
Tetrachloroethylene (PCE)	06	127-18-4	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
Toluene	06	108-88-3	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
trans-1,2-Dichloroethylene	06	156-60-5	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
trans-1,3-Dichloropropene	06	10061-02-6	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
Trichloroethylene	06	79-01-6	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
Trichlorofluoromethane	06	75-69-4	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
Vinyl acetate	06	108-05-4	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	10.5	1	ug/kg dry	RJB
Vinyl chloride	06	75-01-4	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		5.26	5.26	1	ug/kg dry	RJB
Xylenes, Total	06	1330-20-7	SW8260D	02/15/2024 16:24	02/15/2024 16:24	BLOD		15.8	15.8	1	ug/kg dry	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*06*		*101 %*	*80-120*	*02/15/2024 16:24*	*02/15/2024 16:24*						
Surr: 4-Bromofluorobenzene (Surr)	*06*		*99.7 %*	*85-120*	*02/15/2024 16:24*	*02/15/2024 16:24*						
Surr: Dibromofluoromethane (Surr)	*06*		*94.2 %*	*80-130*	*02/15/2024 16:24*	*02/15/2024 16:24*						
Surr: Toluene-d8 (Surr)	*06*		*99.4 %*	*85-115*	*02/15/2024 16:24*	*02/15/2024 16:24*						

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Date Issued: 3/4/2024 4:56:21PM

Client Sample ID: **Dup 8** **Laboratory Sample ID:** **24B0796-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
1,4-Dioxane (SIM)	06	123-91-1	SW8270E SIM	02/21/2024 09:15	02/26/2024 20:55	BLOD		7.75	7.75	2	ug/kg dry	BMS
Surr: Nitrobenzene-d5 (Surr)	*06*	*57.9 %*	*35-100*	*02/21/2024 09:15*	*02/26/2024 20:55*							
1,2,4,5-Tetrachlorobenzene	06	95-94-3	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
1,2,4-Trichlorobenzene	06	120-82-1	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
1,2-Dichlorobenzene	06	95-50-1	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
1,2-Diphenylhydrazine	06	122-66-7	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
1,3-Dichlorobenzene	06	541-73-1	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
1,3-Dinitrobenzene	06	99-65-0	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
1,4-Dichlorobenzene	06	106-46-7	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
1-Chloronaphthalene	06	90-13-1	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
1-Naphthylamine	06	134-32-7	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
2,3,4,6-Tetrachlorophenol	06	58-90-2	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
2,4,5-Trichlorophenol	06	95-95-4	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
2,4,6-Trichlorophenol	06	88-06-2	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
2,4-Dichlorophenol	06	120-83-2	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
2,4-Dimethylphenol	06	105-67-9	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
2,4-Dinitrophenol	06	51-28-5	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
2,4-Dinitrotoluene	06	121-14-2	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
2,6-Dichlorophenol	06	87-65-0	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
2,6-Dinitrotoluene	06	606-20-2	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
2-Chloronaphthalene	06	91-58-7	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
2-Chlorophenol	06	95-57-8	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
2-Methylnaphthalene	06	91-57-6	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS

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Client Sample ID: Dup 8 **Laboratory Sample ID:** 24B0796-06

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
2-Naphthylamine	06	91-59-8	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
2-Nitroaniline	06	88-74-4	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
2-Nitrophenol	06	88-75-5	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
3,3'-Dichlorobenzidine	06	91-94-1	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
3-Methylcholanthrene	06	56-49-5	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
3-Nitroaniline	06	99-09-2	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
4,6-Dinitro-2-methylphenol	06	534-52-1	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
4-Aminobiphenyl	06	92-67-1	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
4-Bromophenyl phenyl ether	06	101-55-3	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
4-Chloroaniline	06	106-47-8	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
4-Chlorophenyl phenyl ether	06	7005-72-3	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
4-Nitroaniline	06	100-01-6	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
4-Nitrophenol	06	100-02-7	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
7,12-Dimethylbenz (a) anthracene	06	57-97-6	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Acenaphthene	06	83-32-9	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Acenaphthylene	06	208-96-8	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Acetophenone	06	98-86-2	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Aniline	06	62-53-3	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Anthracene	06	120-12-7	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Benzidine	06	92-87-5	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Benzo (a) anthracene	06	56-55-3	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Benzo (a) pyrene	06	50-32-8	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Benzo (b) fluoranthene	06	205-99-2	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Benzo (g,h,i) perylene	06	191-24-2	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS

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Client Sample ID: **Dup 8** **Laboratory Sample ID:** **24B0796-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Benzo (k) fluoranthene	06	207-08-9	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Benzoic acid	06	65-85-0	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Benzyl alcohol	06	100-51-6	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
bis (2-Chloroethoxy) methane	06	111-91-1	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
bis (2-Chloroethyl) ether	06	111-44-4	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
2,2'-Oxybis (1-chloropropane)	06	108-60-1	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
bis (2-Ethylhexyl) phthalate	06	117-81-7	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Butyl benzyl phthalate	06	85-68-7	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Chrysene	06	218-01-9	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Dibenz (a,h) anthracene	06	53-70-3	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Dibenz (a,j) acridine	06	224-42-0	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Dibenzofuran	06	132-64-9	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Diethyl phthalate	06	84-66-2	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Dimethyl phthalate	06	131-11-3	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Di-n-butyl phthalate	06	84-74-2	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Di-n-octyl phthalate	06	117-84-0	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Diphenylamine	06	122-39-4	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Ethyl methanesulfonate	06	62-50-0	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Fluoranthene	06	206-44-0	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Fluorene	06	86-73-7	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Hexachlorobenzene	06	118-74-1	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Hexachlorobutadiene	06	87-68-3	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Hexachlorocyclopentadiene	06	77-47-4	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Hexachloroethane	06	67-72-1	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS

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Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Semivolatile Organic Compounds by GCMS												
Indeno (1,2,3-cd) pyrene	06	193-39-5	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Isophorone	06	78-59-1	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
m+p-Cresols	06	1319-77-3	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Methyl methanesulfonate	06	66-27-3	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Naphthalene	06	91-20-3	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Nitrobenzene	06	98-95-3	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
n-Nitrosodimethylamine	06	62-75-9	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
n-Nitrosodi-n-butylamine	06	924-16-3	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
n-Nitrosodi-n-propylamine	06	621-64-7	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
n-Nitrosodiphenylamine	06	86-30-6	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
n-Nitrosopiperidine	06	100-75-4	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
o+m+p-Cresols	06	1319-77-3	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
o-Cresol	06	95-48-7	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
p-(Dimethylamino) azobenzene	06	60-11-7	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
p-Chloro-m-cresol	06	59-50-7	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Pentachloronitrobenzene (quintozene)	06	82-68-8	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Pentachlorophenol	06	87-86-5	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Phenacetin	06	62-44-2	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Phenanthrene	06	85-01-8	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Phenol	06	108-95-2	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Pronamide	06	23950-58-5	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Pyrene	06	129-00-0	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Pyridine	06	110-86-1	SW8270E	02/16/2024 10:45	02/23/2024 23:12	BLOD		969	969	10	ug/kg dry	BMS
Surr: 2,4,6-Tribromophenol (Surr)	*06*	*56.4 %*	*15-96*	*02/16/2024 10:45*	*02/23/2024 23:12*							

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 3/4/2024 4:56:21PM

Client Sample ID: **Dup 8** **Laboratory Sample ID:** **24B0796-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Semivolatile Organic Compounds by GCMS												
Surr: 2-Fluorobiphenyl (Surr)	*06*		*42.4 %*	*19-105*	*02/16/2024 10:45*	*02/23/2024 23:12*						
Surr: 2-Fluorophenol (Surr)	*06*		*55.4 %*	*12-95*	*02/16/2024 10:45*	*02/23/2024 23:12*						
Surr: Nitrobenzene-d5 (Surr)	*06*		*43.2 %*	*21-100*	*02/16/2024 10:45*	*02/23/2024 23:12*						
Surr: Phenol-d5 (Surr)	*06*		*51.4 %*	*13-100*	*02/16/2024 10:45*	*02/23/2024 23:12*						
Surr: p-Terphenyl-d14 (Surr)	*06*		*67.0 %*	*25-125*	*02/16/2024 10:45*	*02/23/2024 23:12*						

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Client Sample ID: **Dup 8** **Laboratory Sample ID:** **24B0796-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Ion Chromatography Analyses												
Sulfate	06	14808-79-8	SW9056A	02/15/2024 16:00	02/15/2024 16:00	17.5		3.04	12.2	1	mg/kg dry	LBH2

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Client Sample ID: **Dup 8** **Laboratory Sample ID:** **24B0796-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Ammonia as N	06	7664-41-7	EPA350.1 R2.0	02/28/2024 14:27	02/28/2024 14:27	BLOD		11.9	11.9	1	mg/kg dry	MGC
Chromium, Hexavalent	06	18540-29-9	SW7199	02/23/2024 09:00	02/24/2024 04:46	0.80		0.24	0.24	1	mg/kg dry	MGC
Nitrate as N	06	14797-55-8	SW9056A	02/15/2024 16:00	02/15/2024 16:00	3.47		1.22	2.43	1	mg/kg dry	LBH2
Percent Solids	06	NA	SM2540G-2011	02/16/2024 08:35	02/16/2024 08:35	82.2		0.10	0.10	1	%	KJM

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Date Issued: 3/4/2024 4:56:21PM

Client Sample ID: **Trip Blank** **Laboratory Sample ID:** **24B0796-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
1,1,1,2-Tetrachloroethane	07	630-20-6	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.40	0.40	1	ug/L	RJB
1,1,1-Trichloroethane	07	71-55-6	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.60	1.00	1	ug/L	RJB
1,1,2,2-Tetrachloroethane	07	79-34-5	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.30	0.40	1	ug/L	RJB
1,1,2-Trichloroethane	07	79-00-5	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.50	1.00	1	ug/L	RJB
1,1-Dichloroethane	07	75-34-3	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.60	1.00	1	ug/L	RJB
1,1-Dichloroethylene	07	75-35-4	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.70	1.00	1	ug/L	RJB
1,1-Dichloropropene	07	563-58-6	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.60	1.00	1	ug/L	RJB
1,2,3-Trichlorobenzene	07	87-61-6	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.70	1.00	1	ug/L	RJB
1,2,3-Trichloropropane	07	96-18-4	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.40	1.00	1	ug/L	RJB
1,2,4-Trichlorobenzene	07	120-82-1	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.50	1.00	1	ug/L	RJB
1,2,4-Trimethylbenzene	07	95-63-6	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.40	1.00	1	ug/L	RJB
1,2-Dibromo-3-chloropropane (DBCP)	07	96-12-8	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.60	1.00	1	ug/L	RJB
1,2-Dibromoethane (EDB)	07	106-93-4	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.40	1.00	1	ug/L	RJB
1,2-Dichlorobenzene	07	95-50-1	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.40	0.50	1	ug/L	RJB
1,2-Dichloroethane	07	107-06-2	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.70	1.00	1	ug/L	RJB
1,2-Dichloropropane	07	78-87-5	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.40	0.50	1	ug/L	RJB
1,3,5-Trimethylbenzene	07	108-67-8	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.90	1.00	1	ug/L	RJB
1,3-Dichlorobenzene	07	541-73-1	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.30	1.00	1	ug/L	RJB
1,3-Dichloropropane	07	142-28-9	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		1.00	1.00	1	ug/L	RJB
1,4-Dichlorobenzene	07	106-46-7	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.40	1.00	1	ug/L	RJB
2,2-Dichloropropane	07	594-20-7	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.60	1.00	1	ug/L	RJB
2-Butanone (MEK)	07	78-93-3	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		3.00	10.0	1	ug/L	RJB
2-Chlorotoluene	07	95-49-8	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.50	1.00	1	ug/L	RJB
2-Hexanone (MBK)	07	591-78-6	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		2.20	5.00	1	ug/L	RJB

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Date Issued: 3/4/2024 4:56:21PM

Client Sample ID: **Trip Blank** **Laboratory Sample ID:** **24B0796-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
4-Chlorotoluene	07	106-43-4	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.50	1.00	1	ug/L	RJB
4-Isopropyltoluene	07	99-87-6	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.40	1.00	1	ug/L	RJB
4-Methyl-2-pentanone (MIBK)	07	108-10-1	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		1.50	5.00	1	ug/L	RJB
Acetone	07	67-64-1	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		7.00	10.0	1	ug/L	RJB
Benzene	07	71-43-2	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.40	1.00	1	ug/L	RJB
Bromobenzene	07	108-86-1	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.50	1.00	1	ug/L	RJB
Bromochloromethane	07	74-97-5	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.50	1.00	1	ug/L	RJB
Bromodichloromethane	07	75-27-4	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.40	0.50	1	ug/L	RJB
Bromoform	07	75-25-2	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.40	1.00	1	ug/L	RJB
Bromomethane	07	74-83-9	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.80	1.00	1	ug/L	RJB
Carbon disulfide	07	75-15-0	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		5.00	10.0	1	ug/L	RJB
Carbon tetrachloride	07	56-23-5	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.50	1.00	1	ug/L	RJB
Chlorobenzene	07	108-90-7	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.40	1.00	1	ug/L	RJB
Chloroethane	07	75-00-3	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.70	1.00	1	ug/L	RJB
Chloroform	07	67-66-3	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.50	0.50	1	ug/L	RJB
Chloromethane	07	74-87-3	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD	C	0.95	1.00	1	ug/L	RJB
cis-1,2-Dichloroethylene	07	156-59-2	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.40	1.00	1	ug/L	RJB
cis-1,3-Dichloropropene	07	10061-01-5	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.30	1.00	1	ug/L	RJB
Dibromochloromethane	07	124-48-1	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.35	0.50	1	ug/L	RJB
Dibromomethane	07	74-95-3	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.40	1.00	1	ug/L	RJB
Dichlorodifluoromethane	07	75-71-8	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.95	1.00	1	ug/L	RJB
Di-isopropyl ether (DIPE)	07	108-20-3	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		3.00	5.00	1	ug/L	RJB
Ethylbenzene	07	100-41-4	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.40	1.00	1	ug/L	RJB
Hexachlorobutadiene	07	87-68-3	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.60	0.80	1	ug/L	RJB

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Date Issued: 3/4/2024 4:56:21PM

Client Sample ID: **Trip Blank** **Laboratory Sample ID:** **24B0796-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Volatile Organic Compounds by GCMS												
Iodomethane	07	74-88-4	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD	C	6.00	10.0	1	ug/L	RJB
Isopropylbenzene	07	98-82-8	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.50	1.00	1	ug/L	RJB
m+p-Xylenes	07	179601-23-1	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.60	2.00	1	ug/L	RJB
Methylene chloride	07	75-09-2	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		4.00	4.00	1	ug/L	RJB
Methyl-t-butyl ether (MTBE)	07	1634-04-4	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.60	1.00	1	ug/L	RJB
Naphthalene	07	91-20-3	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.80	1.00	1	ug/L	RJB
n-Butylbenzene	07	104-51-8	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.40	1.00	1	ug/L	RJB
n-Propylbenzene	07	103-65-1	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.40	1.00	1	ug/L	RJB
o-Xylene	07	95-47-6	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.40	1.00	1	ug/L	RJB
sec-Butylbenzene	07	135-98-8	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.40	1.00	1	ug/L	RJB
Styrene	07	100-42-5	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.40	1.00	1	ug/L	RJB
tert-Butylbenzene	07	98-06-6	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.40	1.00	1	ug/L	RJB
Tetrachloroethylene (PCE)	07	127-18-4	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.40	1.00	1	ug/L	RJB
Toluene	07	108-88-3	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.50	1.00	1	ug/L	RJB
trans-1,2-Dichloroethylene	07	156-60-5	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.60	1.00	1	ug/L	RJB
trans-1,3-Dichloropropene	07	10061-02-6	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.30	1.00	1	ug/L	RJB
Trichloroethylene	07	79-01-6	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.40	1.00	1	ug/L	RJB
Trichlorofluoromethane	07	75-69-4	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.80	1.00	1	ug/L	RJB
Vinyl acetate	07	108-05-4	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		2.00	10.0	1	ug/L	RJB
Vinyl chloride	07	75-01-4	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		0.50	0.50	1	ug/L	RJB
Xylenes, Total	07	1330-20-7	SW8260D	02/15/2024 00:00	02/15/2024 12:50	BLOD		1.00	3.00	1	ug/L	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	*07*	*88.8 %*	*70-120*	*02/15/2024 00:00*	*02/15/2024 12:50*							
Surr: 4-Bromofluorobenzene (Surr)	*07*	*98.7 %*	*75-120*	*02/15/2024 00:00*	*02/15/2024 12:50*							
Surr: Dibromofluoromethane (Surr)	*07*	*87.9 %*	*70-130*	*02/15/2024 00:00*	*02/15/2024 12:50*							

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Submitted To: Tom Raymond

Date Issued: 3/4/2024 4:56:21PM

Client Sample ID: **Trip Blank** **Laboratory Sample ID:** **24B0796-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analys
Volatile Organic Compounds by GCMS												
Surr: Toluene-d8 (Surr)	*07*		*70-130*	*02/15/2024 00:00*	*02/15/2024 12:50*	*97.7 %*						

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Client Sample ID: **BG-101** **Laboratory Sample ID:** **24B0963-01**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	01	7440-22-4	SW6020B	02/19/2024 11:15	02/20/2024 10:00	51.2		2.88	2.88	1	ug/kg dry	AB
Arsenic	01	7440-38-2	SW6020B	02/19/2024 11:15	02/20/2024 10:00	2150		57.5	57.5	1	ug/kg dry	AB
Barium	01RE1	7440-39-3	SW6020B	02/19/2024 11:15	02/20/2024 11:16	146000		57500	57500	100	ug/kg dry	AB
Beryllium	01	7440-41-7	SW6020B	02/19/2024 11:15	02/20/2024 10:00	784		57.5	57.5	1	ug/kg dry	AB
Cadmium	01	7440-43-9	SW6020B	02/19/2024 11:15	02/20/2024 10:00	114		57.5	57.5	1	ug/kg dry	AB
Cobalt	01	7440-48-4	SW6020B	02/19/2024 11:15	02/20/2024 10:00	21600		57.5	57.5	1	ug/kg dry	AB
Chromium	01	7440-47-3	SW6020B	02/19/2024 11:15	02/20/2024 10:00	49800		57.5	57.5	1	ug/kg dry	AB
Copper	01	7440-50-8	SW6020B	02/19/2024 11:15	02/20/2024 10:00	37900		57.5	57.5	1	ug/kg dry	AB
Mercury	01	7439-97-6	SW7471B	02/21/2024 09:20	02/21/2024 11:40	0.092		0.010	0.010	1	mg/kg dry	SGT
Manganese	01RE1	7439-96-5	SW6020B	02/19/2024 11:15	02/20/2024 11:16	1010000		5750	5750	100	ug/kg dry	AB
Nickel	01	7440-02-0	SW6020B	02/19/2024 11:15	02/20/2024 10:00	23200		57.5	57.5	1	ug/kg dry	AB
Lead	01	7439-92-1	SW6020B	02/19/2024 11:15	02/20/2024 10:00	50400		57.5	57.5	1	ug/kg dry	AB
Antimony	01	7440-36-0	SW6020B	02/19/2024 11:15	02/20/2024 10:00	339		57.5	57.5	1	ug/kg dry	AB
Selenium	01	7782-49-2	SW6020B	02/19/2024 11:15	02/20/2024 10:00	2530		57.5	57.5	1	ug/kg dry	AB
Thallium	01	7440-28-0	SW6020B	02/19/2024 11:15	02/20/2024 10:00	124		57.5	57.5	1	ug/kg dry	AB
Vanadium	01RE1	7440-62-2	SW6020B	02/19/2024 11:15	02/20/2024 11:16	127000		28800	28800	100	ug/kg dry	AB
Zinc	01RE1	7440-66-6	SW6020B	02/19/2024 11:15	02/20/2024 11:16	94200		28800	28800	100	ug/kg dry	AB
Wet Chemistry Analysis												
Chromium, Hexavalent	01	18540-29-9	SW7199	02/23/2024 09:00	02/24/2024 05:13	0.51		0.25	0.25	1	mg/kg dry	MGC
Percent Solids	01	NA	SM2540G-2011	02/19/2024 15:42	02/19/2024 15:42	80.2		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-102** **Laboratory Sample ID:** **24B0963-02**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	02	7440-22-4	SW6020B	02/19/2024 11:15	02/20/2024 10:09	40.8		3.12	3.12	1	ug/kg dry	AB
Arsenic	02	7440-38-2	SW6020B	02/19/2024 11:15	02/20/2024 10:09	2370		62.4	62.4	1	ug/kg dry	AB
Barium	02RE1	7440-39-3	SW6020B	02/19/2024 11:15	02/20/2024 11:24	127000		62400	62400	100	ug/kg dry	AB
Beryllium	02	7440-41-7	SW6020B	02/19/2024 11:15	02/20/2024 10:09	934		62.4	62.4	1	ug/kg dry	AB
Cadmium	02	7440-43-9	SW6020B	02/19/2024 11:15	02/20/2024 10:09	676		62.4	62.4	1	ug/kg dry	AB
Cobalt	02	7440-48-4	SW6020B	02/19/2024 11:15	02/20/2024 10:09	20400		62.4	62.4	1	ug/kg dry	AB
Chromium	02	7440-47-3	SW6020B	02/19/2024 11:15	02/20/2024 10:09	38800		62.4	62.4	1	ug/kg dry	AB
Copper	02	7440-50-8	SW6020B	02/19/2024 11:15	02/20/2024 10:09	41400		62.4	62.4	1	ug/kg dry	AB
Mercury	02	7439-97-6	SW7471B	02/21/2024 09:20	02/21/2024 11:42	0.158		0.010	0.010	1	mg/kg dry	SGT
Manganese	02RE1	7439-96-5	SW6020B	02/19/2024 11:15	02/20/2024 11:24	1350000		6240	6240	100	ug/kg dry	AB
Nickel	02	7440-02-0	SW6020B	02/19/2024 11:15	02/20/2024 10:09	15100		62.4	62.4	1	ug/kg dry	AB
Lead	02	7439-92-1	SW6020B	02/19/2024 11:15	02/20/2024 10:09	39300		62.4	62.4	1	ug/kg dry	AB
Antimony	02	7440-36-0	SW6020B	02/19/2024 11:15	02/20/2024 10:09	347		62.4	62.4	1	ug/kg dry	AB
Selenium	02	7782-49-2	SW6020B	02/19/2024 11:15	02/20/2024 10:09	2390		62.4	62.4	1	ug/kg dry	AB
Thallium	02	7440-28-0	SW6020B	02/19/2024 11:15	02/20/2024 10:09	154		62.4	62.4	1	ug/kg dry	AB
Vanadium	02RE1	7440-62-2	SW6020B	02/19/2024 11:15	02/20/2024 11:24	122000		31200	31200	100	ug/kg dry	AB
Zinc	02RE1	7440-66-6	SW6020B	02/19/2024 11:15	02/20/2024 11:24	92700		31200	31200	100	ug/kg dry	AB
Wet Chemistry Analysis												
Chromium, Hexavalent	02	18540-29-9	SW7199	02/23/2024 09:00	02/24/2024 05:39	0.42		0.25	0.25	1	mg/kg dry	MGC
Percent Solids	02	NA	SM2540G-2011	02/19/2024 15:42	02/19/2024 15:42	79.4		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-103** **Laboratory Sample ID:** **24B0963-03**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	03	7440-22-4	SW6020B	02/19/2024 11:15	02/20/2024 10:14	47.1		2.88	2.88	1	ug/kg dry	AB
Arsenic	03	7440-38-2	SW6020B	02/19/2024 11:15	02/20/2024 10:14	2500		57.5	57.5	1	ug/kg dry	AB
Barium	03RE1	7440-39-3	SW6020B	02/19/2024 11:15	02/20/2024 11:27	75600		57500	57500	100	ug/kg dry	AB
Beryllium	03	7440-41-7	SW6020B	02/19/2024 11:15	02/20/2024 10:14	265		57.5	57.5	1	ug/kg dry	AB
Cadmium	03	7440-43-9	SW6020B	02/19/2024 11:15	02/20/2024 10:14	159		57.5	57.5	1	ug/kg dry	AB
Cobalt	03	7440-48-4	SW6020B	02/19/2024 11:15	02/20/2024 10:14	10600		57.5	57.5	1	ug/kg dry	AB
Chromium	03	7440-47-3	SW6020B	02/19/2024 11:15	02/20/2024 10:14	26100		57.5	57.5	1	ug/kg dry	AB
Copper	03	7440-50-8	SW6020B	02/19/2024 11:15	02/20/2024 10:14	25900		57.5	57.5	1	ug/kg dry	AB
Mercury	03	7439-97-6	SW7471B	02/21/2024 09:20	02/21/2024 11:45	0.054		0.010	0.010	1	mg/kg dry	SGT
Manganese	03RE1	7439-96-5	SW6020B	02/19/2024 11:15	02/20/2024 11:27	467000		5750	5750	100	ug/kg dry	AB
Nickel	03	7440-02-0	SW6020B	02/19/2024 11:15	02/20/2024 10:14	10300		57.5	57.5	1	ug/kg dry	AB
Lead	03	7439-92-1	SW6020B	02/19/2024 11:15	02/20/2024 10:14	22600		57.5	57.5	1	ug/kg dry	AB
Antimony	03	7440-36-0	SW6020B	02/19/2024 11:15	02/20/2024 10:14	208		57.5	57.5	1	ug/kg dry	AB
Selenium	03	7782-49-2	SW6020B	02/19/2024 11:15	02/20/2024 10:14	956		57.5	57.5	1	ug/kg dry	AB
Thallium	03	7440-28-0	SW6020B	02/19/2024 11:15	02/20/2024 10:14	BLOD		57.5	57.5	1	ug/kg dry	AB
Vanadium	03RE1	7440-62-2	SW6020B	02/19/2024 11:15	02/20/2024 11:27	56300		28800	28800	100	ug/kg dry	AB
Zinc	03RE1	7440-66-6	SW6020B	02/19/2024 11:15	02/20/2024 11:27	96400		28800	28800	100	ug/kg dry	AB
Wet Chemistry Analysis												
Chromium, Hexavalent	03	18540-29-9	SW7199	02/23/2024 09:00	02/24/2024 06:06	0.34		0.25	0.25	1	mg/kg dry	MGC
Percent Solids	03	NA	SM2540G-2011	02/21/2024 12:03	02/21/2024 12:03	80.8		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-104** **Laboratory Sample ID:** **24B0963-04**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	04	7440-22-4	SW6020B	02/19/2024 11:15	02/20/2024 10:17	120		3.23	3.23	1	ug/kg dry	AB
Arsenic	04	7440-38-2	SW6020B	02/19/2024 11:15	02/20/2024 10:17	5300		64.7	64.7	1	ug/kg dry	AB
Barium	04RE1	7440-39-3	SW6020B	02/19/2024 11:15	02/20/2024 11:30	88200		64700	64700	100	ug/kg dry	AB
Beryllium	04	7440-41-7	SW6020B	02/19/2024 11:15	02/20/2024 10:17	326		64.7	64.7	1	ug/kg dry	AB
Cadmium	04	7440-43-9	SW6020B	02/19/2024 11:15	02/20/2024 10:17	283		64.7	64.7	1	ug/kg dry	AB
Cobalt	04	7440-48-4	SW6020B	02/19/2024 11:15	02/20/2024 10:17	12600		64.7	64.7	1	ug/kg dry	AB
Chromium	04	7440-47-3	SW6020B	02/19/2024 11:15	02/20/2024 10:17	30700		64.7	64.7	1	ug/kg dry	AB
Copper	04	7440-50-8	SW6020B	02/19/2024 11:15	02/20/2024 10:17	32300		64.7	64.7	1	ug/kg dry	AB
Mercury	04	7439-97-6	SW7471B	02/21/2024 09:20	02/21/2024 11:48	0.085		0.010	0.010	1	mg/kg dry	SGT
Manganese	04RE1	7439-96-5	SW6020B	02/19/2024 11:15	02/20/2024 11:30	589000		6470	6470	100	ug/kg dry	AB
Nickel	04	7440-02-0	SW6020B	02/19/2024 11:15	02/20/2024 10:17	13500		64.7	64.7	1	ug/kg dry	AB
Lead	04RE1	7439-92-1	SW6020B	02/19/2024 11:15	02/20/2024 11:30	67400		6470	6470	100	ug/kg dry	AB
Antimony	04	7440-36-0	SW6020B	02/19/2024 11:15	02/20/2024 10:17	341		64.7	64.7	1	ug/kg dry	AB
Selenium	04	7782-49-2	SW6020B	02/19/2024 11:15	02/20/2024 10:17	1690		64.7	64.7	1	ug/kg dry	AB
Thallium	04	7440-28-0	SW6020B	02/19/2024 11:15	02/20/2024 10:17	BLOD		64.7	64.7	1	ug/kg dry	AB
Vanadium	04RE1	7440-62-2	SW6020B	02/19/2024 11:15	02/20/2024 11:30	67700		32300	32300	100	ug/kg dry	AB
Zinc	04RE1	7440-66-6	SW6020B	02/19/2024 11:15	02/20/2024 11:30	114000		32300	32300	100	ug/kg dry	AB
Wet Chemistry Analysis												
Chromium, Hexavalent	04	18540-29-9	SW7199	02/23/2024 09:00	02/24/2024 06:33	1.08		0.26	0.26	1	mg/kg dry	MGC
Percent Solids	04	NA	SM2540G-2011	02/21/2024 12:03	02/21/2024 12:03	75.9		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-105** **Laboratory Sample ID:** **24B0963-05**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	05	7440-22-4	SW6020B	02/19/2024 11:15	02/20/2024 10:20	87.8		2.99	2.99	1	ug/kg dry	AB
Arsenic	05	7440-38-2	SW6020B	02/19/2024 11:15	02/20/2024 10:20	2690		59.7	59.7	1	ug/kg dry	AB
Barium	05RE1	7440-39-3	SW6020B	02/19/2024 11:15	02/20/2024 11:33	103000		59700	59700	100	ug/kg dry	AB
Beryllium	05	7440-41-7	SW6020B	02/19/2024 11:15	02/20/2024 10:20	392		59.7	59.7	1	ug/kg dry	AB
Cadmium	05	7440-43-9	SW6020B	02/19/2024 11:15	02/20/2024 10:20	189		59.7	59.7	1	ug/kg dry	AB
Cobalt	05	7440-48-4	SW6020B	02/19/2024 11:15	02/20/2024 10:20	14100		59.7	59.7	1	ug/kg dry	AB
Chromium	05	7440-47-3	SW6020B	02/19/2024 11:15	02/20/2024 10:20	33500		59.7	59.7	1	ug/kg dry	AB
Copper	05	7440-50-8	SW6020B	02/19/2024 11:15	02/20/2024 10:20	36100		59.7	59.7	1	ug/kg dry	AB
Mercury	05	7439-97-6	SW7471B	02/21/2024 09:20	02/21/2024 11:50	0.079		0.010	0.010	1	mg/kg dry	SGT
Manganese	05RE1	7439-96-5	SW6020B	02/19/2024 11:15	02/20/2024 11:33	621000		5970	5970	100	ug/kg dry	AB
Nickel	05	7440-02-0	SW6020B	02/19/2024 11:15	02/20/2024 10:20	14400		59.7	59.7	1	ug/kg dry	AB
Lead	05	7439-92-1	SW6020B	02/19/2024 11:15	02/20/2024 10:20	26000		59.7	59.7	1	ug/kg dry	AB
Antimony	05	7440-36-0	SW6020B	02/19/2024 11:15	02/20/2024 10:20	218		59.7	59.7	1	ug/kg dry	AB
Selenium	05	7782-49-2	SW6020B	02/19/2024 11:15	02/20/2024 10:20	1310		59.7	59.7	1	ug/kg dry	AB
Thallium	05	7440-28-0	SW6020B	02/19/2024 11:15	02/20/2024 10:20	73.0		59.7	59.7	1	ug/kg dry	AB
Vanadium	05RE1	7440-62-2	SW6020B	02/19/2024 11:15	02/20/2024 11:33	75200		29900	29900	100	ug/kg dry	AB
Zinc	05RE1	7440-66-6	SW6020B	02/19/2024 11:15	02/20/2024 11:33	93000		29900	29900	100	ug/kg dry	AB
Wet Chemistry Analysis												
Chromium, Hexavalent	05	18540-29-9	SW7199	02/26/2024 11:30	02/26/2024 20:19	0.91		0.26	0.26	1	mg/kg dry	MGC
Percent Solids	05	NA	SM2540G-2011	02/21/2024 12:03	02/21/2024 12:03	77.5		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-106** **Laboratory Sample ID:** **24B0963-06**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	06	7440-22-4	SW6020B	02/19/2024 11:15	02/20/2024 10:33	66.3		2.96	2.96	1	ug/kg dry	AB
Arsenic	06	7440-38-2	SW6020B	02/19/2024 11:15	02/20/2024 10:33	1790		59.1	59.1	1	ug/kg dry	AB
Barium	06RE1	7440-39-3	SW6020B	02/19/2024 11:15	02/20/2024 11:36	154000		59100	59100	100	ug/kg dry	AB
Beryllium	06	7440-41-7	SW6020B	02/19/2024 11:15	02/20/2024 10:33	437		59.1	59.1	1	ug/kg dry	AB
Cadmium	06	7440-43-9	SW6020B	02/19/2024 11:15	02/20/2024 10:33	176		59.1	59.1	1	ug/kg dry	AB
Cobalt	06	7440-48-4	SW6020B	02/19/2024 11:15	02/20/2024 10:33	14000		59.1	59.1	1	ug/kg dry	AB
Chromium	06	7440-47-3	SW6020B	02/19/2024 11:15	02/20/2024 10:33	28500		59.1	59.1	1	ug/kg dry	AB
Copper	06	7440-50-8	SW6020B	02/19/2024 11:15	02/20/2024 10:33	31800		59.1	59.1	1	ug/kg dry	AB
Mercury	06	7439-97-6	SW7471B	02/21/2024 09:20	02/21/2024 11:53	0.109		0.010	0.010	1	mg/kg dry	SGT
Manganese	06RE1	7439-96-5	SW6020B	02/19/2024 11:15	02/20/2024 11:36	706000		5910	5910	100	ug/kg dry	AB
Nickel	06	7440-02-0	SW6020B	02/19/2024 11:15	02/20/2024 10:33	12800		59.1	59.1	1	ug/kg dry	AB
Lead	06	7439-92-1	SW6020B	02/19/2024 11:15	02/20/2024 10:33	19900		59.1	59.1	1	ug/kg dry	AB
Antimony	06	7440-36-0	SW6020B	02/19/2024 11:15	02/20/2024 10:33	172		59.1	59.1	1	ug/kg dry	AB
Selenium	06	7782-49-2	SW6020B	02/19/2024 11:15	02/20/2024 10:33	1000		59.1	59.1	1	ug/kg dry	AB
Thallium	06	7440-28-0	SW6020B	02/19/2024 11:15	02/20/2024 10:33	96.7		59.1	59.1	1	ug/kg dry	AB
Vanadium	06RE1	7440-62-2	SW6020B	02/19/2024 11:15	02/20/2024 11:36	77900		29600	29600	100	ug/kg dry	AB
Zinc	06RE1	7440-66-6	SW6020B	02/19/2024 11:15	02/20/2024 11:36	103000		29600	29600	100	ug/kg dry	AB
Wet Chemistry Analysis												
Chromium, Hexavalent	06	18540-29-9	SW7199	02/23/2024 09:00	02/24/2024 07:53	0.80		0.25	0.25	1	mg/kg dry	MGC
Percent Solids	06	NA	SM2540G-2011	02/21/2024 12:03	02/21/2024 12:03	79.0		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-107** **Laboratory Sample ID:** **24B0963-07**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	07	7440-22-4	SW6020B	02/19/2024 11:15	02/20/2024 10:36	62.0		3.07	3.07	1	ug/kg dry	AB
Arsenic	07	7440-38-2	SW6020B	02/19/2024 11:15	02/20/2024 10:36	2010		61.4	61.4	1	ug/kg dry	AB
Barium	07RE1	7440-39-3	SW6020B	02/19/2024 11:15	02/20/2024 11:39	97600		61400	61400	100	ug/kg dry	AB
Beryllium	07	7440-41-7	SW6020B	02/19/2024 11:15	02/20/2024 10:36	411		61.4	61.4	1	ug/kg dry	AB
Cadmium	07	7440-43-9	SW6020B	02/19/2024 11:15	02/20/2024 10:36	144		61.4	61.4	1	ug/kg dry	AB
Cobalt	07	7440-48-4	SW6020B	02/19/2024 11:15	02/20/2024 10:36	13000		61.4	61.4	1	ug/kg dry	AB
Chromium	07	7440-47-3	SW6020B	02/19/2024 11:15	02/20/2024 10:36	36100		61.4	61.4	1	ug/kg dry	AB
Copper	07	7440-50-8	SW6020B	02/19/2024 11:15	02/20/2024 10:36	34100		61.4	61.4	1	ug/kg dry	AB
Mercury	07	7439-97-6	SW7471B	02/21/2024 09:20	02/21/2024 11:55	0.168		0.019	0.019	1	mg/kg dry	SGT
Manganese	07RE1	7439-96-5	SW6020B	02/19/2024 11:15	02/20/2024 11:39	536000		6140	6140	100	ug/kg dry	AB
Nickel	07	7440-02-0	SW6020B	02/19/2024 11:15	02/20/2024 10:36	13500		61.4	61.4	1	ug/kg dry	AB
Lead	07	7439-92-1	SW6020B	02/19/2024 11:15	02/20/2024 10:36	20800		61.4	61.4	1	ug/kg dry	AB
Antimony	07	7440-36-0	SW6020B	02/19/2024 11:15	02/20/2024 10:36	131		61.4	61.4	1	ug/kg dry	AB
Selenium	07	7782-49-2	SW6020B	02/19/2024 11:15	02/20/2024 10:36	1230		61.4	61.4	1	ug/kg dry	AB
Thallium	07	7440-28-0	SW6020B	02/19/2024 11:15	02/20/2024 10:36	74.3		61.4	61.4	1	ug/kg dry	AB
Vanadium	07RE1	7440-62-2	SW6020B	02/19/2024 11:15	02/20/2024 11:39	73900		30700	30700	100	ug/kg dry	AB
Zinc	07RE1	7440-66-6	SW6020B	02/19/2024 11:15	02/20/2024 11:39	80700		30700	30700	100	ug/kg dry	AB
Wet Chemistry Analysis												
Chromium, Hexavalent	07	18540-29-9	SW7199	02/23/2024 09:00	02/24/2024 08:19	0.83		0.25	0.25	1	mg/kg dry	MGC
Percent Solids	07	NA	SM2540G-2011	02/21/2024 12:03	02/21/2024 12:03	80.7		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-108** **Laboratory Sample ID:** **24B0963-08**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	08	7440-22-4	SW6020B	02/19/2024 11:15	02/20/2024 10:39	101		2.86	2.86	1	ug/kg dry	AB
Arsenic	08	7440-38-2	SW6020B	02/19/2024 11:15	02/20/2024 10:39	3360		57.2	57.2	1	ug/kg dry	AB
Barium	08RE1	7440-39-3	SW6020B	02/19/2024 11:15	02/20/2024 11:42	90200		57200	57200	100	ug/kg dry	AB
Beryllium	08	7440-41-7	SW6020B	02/19/2024 11:15	02/20/2024 10:39	341		57.2	57.2	1	ug/kg dry	AB
Cadmium	08	7440-43-9	SW6020B	02/19/2024 11:15	02/20/2024 10:39	252		57.2	57.2	1	ug/kg dry	AB
Cobalt	08	7440-48-4	SW6020B	02/19/2024 11:15	02/20/2024 10:39	12300		57.2	57.2	1	ug/kg dry	AB
Chromium	08	7440-47-3	SW6020B	02/19/2024 11:15	02/20/2024 10:39	30000		57.2	57.2	1	ug/kg dry	AB
Copper	08	7440-50-8	SW6020B	02/19/2024 11:15	02/20/2024 10:39	32500		57.2	57.2	1	ug/kg dry	AB
Mercury	08	7439-97-6	SW7471B	02/21/2024 09:20	02/21/2024 11:58	0.123		0.010	0.010	1	mg/kg dry	SGT
Manganese	08RE1	7439-96-5	SW6020B	02/19/2024 11:15	02/20/2024 11:42	575000		5720	5720	100	ug/kg dry	AB
Nickel	08	7440-02-0	SW6020B	02/19/2024 11:15	02/20/2024 10:39	12200		57.2	57.2	1	ug/kg dry	AB
Lead	08	7439-92-1	SW6020B	02/19/2024 11:15	02/20/2024 10:39	32300		57.2	57.2	1	ug/kg dry	AB
Antimony	08	7440-36-0	SW6020B	02/19/2024 11:15	02/20/2024 10:39	254		57.2	57.2	1	ug/kg dry	AB
Selenium	08	7782-49-2	SW6020B	02/19/2024 11:15	02/20/2024 10:39	1050		57.2	57.2	1	ug/kg dry	AB
Thallium	08	7440-28-0	SW6020B	02/19/2024 11:15	02/20/2024 10:39	67.0		57.2	57.2	1	ug/kg dry	AB
Vanadium	08RE1	7440-62-2	SW6020B	02/19/2024 11:15	02/20/2024 11:42	64500		28600	28600	100	ug/kg dry	AB
Zinc	08RE1	7440-66-6	SW6020B	02/19/2024 11:15	02/20/2024 11:42	130000		28600	28600	100	ug/kg dry	AB
Wet Chemistry Analysis												
Chromium, Hexavalent	08	18540-29-9	SW7199	02/23/2024 09:00	02/24/2024 08:46	0.70		0.24	0.24	1	mg/kg dry	MGC
Percent Solids	08	NA	SM2540G-2011	02/21/2024 12:03	02/21/2024 12:03	82.7		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-109** **Laboratory Sample ID:** **24B0963-09**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	09	7440-22-4	SW6020B	02/19/2024 11:15	02/20/2024 10:43	143		2.85	2.85	1	ug/kg dry	AB
Arsenic	09	7440-38-2	SW6020B	02/19/2024 11:15	02/20/2024 10:43	3660		57.0	57.0	1	ug/kg dry	AB
Barium	09RE1	7440-39-3	SW6020B	02/19/2024 11:15	02/20/2024 11:51	149000		57000	57000	100	ug/kg dry	AB
Beryllium	09	7440-41-7	SW6020B	02/19/2024 11:15	02/20/2024 10:43	650		57.0	57.0	1	ug/kg dry	AB
Cadmium	09	7440-43-9	SW6020B	02/19/2024 11:15	02/20/2024 10:43	525		57.0	57.0	1	ug/kg dry	AB
Cobalt	09	7440-48-4	SW6020B	02/19/2024 11:15	02/20/2024 10:43	16400		57.0	57.0	1	ug/kg dry	AB
Chromium	09	7440-47-3	SW6020B	02/19/2024 11:15	02/20/2024 10:43	39900		57.0	57.0	1	ug/kg dry	AB
Copper	09	7440-50-8	SW6020B	02/19/2024 11:15	02/20/2024 10:43	49700		57.0	57.0	1	ug/kg dry	AB
Mercury	09RE1	7439-97-6	SW7471B	02/21/2024 09:20	02/21/2024 14:05	0.299		0.029	0.029	3	mg/kg dry	SGT
Manganese	09RE1	7439-96-5	SW6020B	02/19/2024 11:15	02/20/2024 11:51	1040000		5700	5700	100	ug/kg dry	AB
Nickel	09	7440-02-0	SW6020B	02/19/2024 11:15	02/20/2024 10:43	18200		57.0	57.0	1	ug/kg dry	AB
Lead	09	7439-92-1	SW6020B	02/19/2024 11:15	02/20/2024 10:43	49200		57.0	57.0	1	ug/kg dry	AB
Antimony	09	7440-36-0	SW6020B	02/19/2024 11:15	02/20/2024 10:43	393		57.0	57.0	1	ug/kg dry	AB
Selenium	09	7782-49-2	SW6020B	02/19/2024 11:15	02/20/2024 10:43	1760		57.0	57.0	1	ug/kg dry	AB
Thallium	09	7440-28-0	SW6020B	02/19/2024 11:15	02/20/2024 10:43	122		57.0	57.0	1	ug/kg dry	AB
Vanadium	09RE1	7440-62-2	SW6020B	02/19/2024 11:15	02/20/2024 11:51	115000		28500	28500	100	ug/kg dry	AB
Zinc	09RE1	7440-66-6	SW6020B	02/19/2024 11:15	02/20/2024 11:51	147000		28500	28500	100	ug/kg dry	AB
Wet Chemistry Analysis												
Chromium, Hexavalent	09	18540-29-9	SW7199	02/26/2024 11:30	02/26/2024 22:32	0.72		0.24	0.24	1	mg/kg dry	MGC
Percent Solids	09	NA	SM2540G-2011	02/21/2024 12:03	02/21/2024 12:03	82.5		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-110** **Laboratory Sample ID:** **24B0963-10**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	10	7440-22-4	SW6020B	02/19/2024 11:15	02/20/2024 10:46	1430		2.88	2.88	1	ug/kg dry	AB
Arsenic	10	7440-38-2	SW6020B	02/19/2024 11:15	02/20/2024 10:46	3050		57.5	57.5	1	ug/kg dry	AB
Barium	10RE1	7440-39-3	SW6020B	02/19/2024 11:15	02/20/2024 11:54	120000		57500	57500	100	ug/kg dry	AB
Beryllium	10	7440-41-7	SW6020B	02/19/2024 11:15	02/20/2024 10:46	513		57.5	57.5	1	ug/kg dry	AB
Cadmium	10	7440-43-9	SW6020B	02/19/2024 11:15	02/20/2024 10:46	400		57.5	57.5	1	ug/kg dry	AB
Cobalt	10	7440-48-4	SW6020B	02/19/2024 11:15	02/20/2024 10:46	12300		57.5	57.5	1	ug/kg dry	AB
Chromium	10	7440-47-3	SW6020B	02/19/2024 11:15	02/20/2024 10:46	41600		57.5	57.5	1	ug/kg dry	AB
Copper	10	7440-50-8	SW6020B	02/19/2024 11:15	02/20/2024 10:46	48200		57.5	57.5	1	ug/kg dry	AB
Mercury	10RE1	7439-97-6	SW7471B	02/21/2024 09:20	02/21/2024 14:07	0.481		0.037	0.037	2	mg/kg dry	SGT
Manganese	10RE1	7439-96-5	SW6020B	02/19/2024 11:15	02/20/2024 11:54	623000		5750	5750	100	ug/kg dry	AB
Nickel	10	7440-02-0	SW6020B	02/19/2024 11:15	02/20/2024 10:46	16700		57.5	57.5	1	ug/kg dry	AB
Lead	10RE1	7439-92-1	SW6020B	02/19/2024 11:15	02/20/2024 11:54	66600		5750	5750	100	ug/kg dry	AB
Antimony	10	7440-36-0	SW6020B	02/19/2024 11:15	02/20/2024 10:46	1460		57.5	57.5	1	ug/kg dry	AB
Selenium	10	7782-49-2	SW6020B	02/19/2024 11:15	02/20/2024 10:46	1600		57.5	57.5	1	ug/kg dry	AB
Thallium	10	7440-28-0	SW6020B	02/19/2024 11:15	02/20/2024 10:46	87.7		57.5	57.5	1	ug/kg dry	AB
Vanadium	10RE1	7440-62-2	SW6020B	02/19/2024 11:15	02/20/2024 11:54	100000		28800	28800	100	ug/kg dry	AB
Zinc	10RE1	7440-66-6	SW6020B	02/19/2024 11:15	02/20/2024 11:54	87400		28800	28800	100	ug/kg dry	AB
Wet Chemistry Analysis												
Chromium, Hexavalent	10	18540-29-9	SW7199	02/26/2024 11:30	02/26/2024 22:58	1.50		0.24	0.24	1	mg/kg dry	MGC
Percent Solids	10	NA	SM2540G-2011	02/19/2024 15:42	02/19/2024 15:42	83.8		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-111** **Laboratory Sample ID:** **24B0963-11**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	11	7440-22-4	SW6020B	02/19/2024 11:15	02/20/2024 10:49	19.7		3.07	3.07	1	ug/kg dry	AB
Arsenic	11	7440-38-2	SW6020B	02/19/2024 11:15	02/20/2024 10:49	1470		61.3	61.3	1	ug/kg dry	AB
Barium	11RE1	7440-39-3	SW6020B	02/19/2024 11:15	02/20/2024 11:57	184000		61300	61300	100	ug/kg dry	AB
Beryllium	11	7440-41-7	SW6020B	02/19/2024 11:15	02/20/2024 10:49	728		61.3	61.3	1	ug/kg dry	AB
Cadmium	11	7440-43-9	SW6020B	02/19/2024 11:15	02/20/2024 10:49	BLOD		61.3	61.3	1	ug/kg dry	AB
Cobalt	11	7440-48-4	SW6020B	02/19/2024 11:15	02/20/2024 10:49	15700		61.3	61.3	1	ug/kg dry	AB
Chromium	11	7440-47-3	SW6020B	02/19/2024 11:15	02/20/2024 10:49	37900		61.3	61.3	1	ug/kg dry	AB
Copper	11	7440-50-8	SW6020B	02/19/2024 11:15	02/20/2024 10:49	34500		61.3	61.3	1	ug/kg dry	AB
Mercury	11	7439-97-6	SW7471B	02/21/2024 09:20	02/21/2024 12:12	0.030		0.010	0.010	1	mg/kg dry	SGT
Manganese	11RE1	7439-96-5	SW6020B	02/19/2024 11:15	02/20/2024 11:57	826000		6130	6130	100	ug/kg dry	AB
Nickel	11	7440-02-0	SW6020B	02/19/2024 11:15	02/20/2024 10:49	17800		61.3	61.3	1	ug/kg dry	AB
Lead	11	7439-92-1	SW6020B	02/19/2024 11:15	02/20/2024 10:49	10500		61.3	61.3	1	ug/kg dry	AB
Antimony	11	7440-36-0	SW6020B	02/19/2024 11:15	02/20/2024 10:49	BLOD		61.3	61.3	1	ug/kg dry	AB
Selenium	11	7782-49-2	SW6020B	02/19/2024 11:15	02/20/2024 10:49	1620		61.3	61.3	1	ug/kg dry	AB
Thallium	11	7440-28-0	SW6020B	02/19/2024 11:15	02/20/2024 10:49	103		61.3	61.3	1	ug/kg dry	AB
Vanadium	11RE1	7440-62-2	SW6020B	02/19/2024 11:15	02/20/2024 11:57	95600		30700	30700	100	ug/kg dry	AB
Zinc	11RE1	7440-66-6	SW6020B	02/19/2024 11:15	02/20/2024 11:57	69000		30700	30700	100	ug/kg dry	AB
Wet Chemistry Analysis												
Chromium, Hexavalent	11	18540-29-9	SW7199	02/26/2024 11:30	02/26/2024 23:25	0.26		0.25	0.25	1	mg/kg dry	MGC
Percent Solids	11	NA	SM2540G-2011	02/19/2024 15:42	02/19/2024 15:42	79.9		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-112** **Laboratory Sample ID:** **24B0963-12**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	12	7440-22-4	SW6020B	02/19/2024 11:15	02/20/2024 10:52	22.3		3.06	3.06	1	ug/kg dry	AB
Arsenic	12	7440-38-2	SW6020B	02/19/2024 11:15	02/20/2024 10:52	1510		61.1	61.1	1	ug/kg dry	AB
Barium	12RE1	7440-39-3	SW6020B	02/19/2024 11:15	02/20/2024 11:59	173000		61100	61100	100	ug/kg dry	AB
Beryllium	12	7440-41-7	SW6020B	02/19/2024 11:15	02/20/2024 10:52	575		61.1	61.1	1	ug/kg dry	AB
Cadmium	12	7440-43-9	SW6020B	02/19/2024 11:15	02/20/2024 10:52	BLOD		61.1	61.1	1	ug/kg dry	AB
Cobalt	12	7440-48-4	SW6020B	02/19/2024 11:15	02/20/2024 10:52	15000		61.1	61.1	1	ug/kg dry	AB
Chromium	12	7440-47-3	SW6020B	02/19/2024 11:15	02/20/2024 10:52	28500		61.1	61.1	1	ug/kg dry	AB
Copper	12	7440-50-8	SW6020B	02/19/2024 11:15	02/20/2024 10:52	35900		61.1	61.1	1	ug/kg dry	AB
Mercury	12	7439-97-6	SW7471B	02/21/2024 09:20	02/21/2024 12:14	0.039		0.010	0.010	1	mg/kg dry	SGT
Manganese	12RE1	7439-96-5	SW6020B	02/19/2024 11:15	02/20/2024 11:59	854000		6110	6110	100	ug/kg dry	AB
Nickel	12	7440-02-0	SW6020B	02/19/2024 11:15	02/20/2024 10:52	13200		61.1	61.1	1	ug/kg dry	AB
Lead	12	7439-92-1	SW6020B	02/19/2024 11:15	02/20/2024 10:52	9140		61.1	61.1	1	ug/kg dry	AB
Antimony	12	7440-36-0	SW6020B	02/19/2024 11:15	02/20/2024 10:52	BLOD		61.1	61.1	1	ug/kg dry	AB
Selenium	12	7782-49-2	SW6020B	02/19/2024 11:15	02/20/2024 10:52	1370		61.1	61.1	1	ug/kg dry	AB
Thallium	12	7440-28-0	SW6020B	02/19/2024 11:15	02/20/2024 10:52	90.6		61.1	61.1	1	ug/kg dry	AB
Vanadium	12RE1	7440-62-2	SW6020B	02/19/2024 11:15	02/20/2024 11:59	84800		30600	30600	100	ug/kg dry	AB
Zinc	12RE1	7440-66-6	SW6020B	02/19/2024 11:15	02/20/2024 11:59	62200		30600	30600	100	ug/kg dry	AB
Wet Chemistry Analysis												
Chromium, Hexavalent	12	18540-29-9	SW7199	02/26/2024 11:30	02/26/2024 23:52	0.27		0.24	0.24	1	mg/kg dry	MGC
Percent Solids	12	NA	SM2540G-2011	02/19/2024 15:42	02/19/2024 15:42	81.6		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-113** **Laboratory Sample ID:** **24B0963-13**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	13	7440-22-4	SW6020B	02/19/2024 11:15	02/20/2024 10:56	33.6		2.77	2.77	1	ug/kg dry	AB
Arsenic	13	7440-38-2	SW6020B	02/19/2024 11:15	02/20/2024 10:56	1100		55.4	55.4	1	ug/kg dry	AB
Barium	13RE1	7440-39-3	SW6020B	02/19/2024 11:15	02/20/2024 12:02	160000		55400	55400	100	ug/kg dry	AB
Beryllium	13	7440-41-7	SW6020B	02/19/2024 11:15	02/20/2024 10:56	443		55.4	55.4	1	ug/kg dry	AB
Cadmium	13	7440-43-9	SW6020B	02/19/2024 11:15	02/20/2024 10:56	68.8		55.4	55.4	1	ug/kg dry	AB
Cobalt	13	7440-48-4	SW6020B	02/19/2024 11:15	02/20/2024 10:56	16200		55.4	55.4	1	ug/kg dry	AB
Chromium	13	7440-47-3	SW6020B	02/19/2024 11:15	02/20/2024 10:56	38900		55.4	55.4	1	ug/kg dry	AB
Copper	13	7440-50-8	SW6020B	02/19/2024 11:15	02/20/2024 10:56	39800		55.4	55.4	1	ug/kg dry	AB
Mercury	13	7439-97-6	SW7471B	02/21/2024 09:20	02/21/2024 12:17	0.035		0.009	0.009	1	mg/kg dry	SGT
Manganese	13RE1	7439-96-5	SW6020B	02/19/2024 11:15	02/20/2024 12:02	794000		5540	5540	100	ug/kg dry	AB
Nickel	13	7440-02-0	SW6020B	02/19/2024 11:15	02/20/2024 10:56	17700		55.4	55.4	1	ug/kg dry	AB
Lead	13	7439-92-1	SW6020B	02/19/2024 11:15	02/20/2024 10:56	13900		55.4	55.4	1	ug/kg dry	AB
Antimony	13	7440-36-0	SW6020B	02/19/2024 11:15	02/20/2024 10:56	58.9		55.4	55.4	1	ug/kg dry	AB
Selenium	13	7782-49-2	SW6020B	02/19/2024 11:15	02/20/2024 10:56	1100		55.4	55.4	1	ug/kg dry	AB
Thallium	13	7440-28-0	SW6020B	02/19/2024 11:15	02/20/2024 10:56	113		55.4	55.4	1	ug/kg dry	AB
Vanadium	13RE1	7440-62-2	SW6020B	02/19/2024 11:15	02/20/2024 12:02	76200		27700	27700	100	ug/kg dry	AB
Zinc	13RE1	7440-66-6	SW6020B	02/19/2024 11:15	02/20/2024 12:02	63300		27700	27700	100	ug/kg dry	AB
Wet Chemistry Analysis												
Chromium, Hexavalent	13	18540-29-9	SW7199	02/29/2024 09:00	03/01/2024 19:34	0.31		0.23	0.23	1	mg/kg dry	MGC
Percent Solids	13	NA	SM2540G-2011	02/19/2024 15:42	02/19/2024 15:42	86.0		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-114** **Laboratory Sample ID:** **24B0963-14**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	14	7440-22-4	SW6020B	02/19/2024 11:15	02/20/2024 10:59	25.2		2.78	2.78	1	ug/kg dry	AB
Arsenic	14	7440-38-2	SW6020B	02/19/2024 11:15	02/20/2024 10:59	1340		55.5	55.5	1	ug/kg dry	AB
Barium	14RE1	7440-39-3	SW6020B	02/19/2024 11:15	02/20/2024 12:05	168000		55500	55500	100	ug/kg dry	AB
Beryllium	14	7440-41-7	SW6020B	02/19/2024 11:15	02/20/2024 10:59	500		55.5	55.5	1	ug/kg dry	AB
Cadmium	14	7440-43-9	SW6020B	02/19/2024 11:15	02/20/2024 10:59	BLOD		55.5	55.5	1	ug/kg dry	AB
Cobalt	14	7440-48-4	SW6020B	02/19/2024 11:15	02/20/2024 10:59	12400		55.5	55.5	1	ug/kg dry	AB
Chromium	14	7440-47-3	SW6020B	02/19/2024 11:15	02/20/2024 10:59	28200		55.5	55.5	1	ug/kg dry	AB
Copper	14	7440-50-8	SW6020B	02/19/2024 11:15	02/20/2024 10:59	30800		55.5	55.5	1	ug/kg dry	AB
Mercury	14	7439-97-6	SW7471B	02/21/2024 09:20	02/21/2024 12:26	0.024		0.010	0.010	1	mg/kg dry	SGT
Manganese	14RE1	7439-96-5	SW6020B	02/19/2024 11:15	02/20/2024 12:05	689000		5550	5550	100	ug/kg dry	AB
Nickel	14	7440-02-0	SW6020B	02/19/2024 11:15	02/20/2024 10:59	10500		55.5	55.5	1	ug/kg dry	AB
Lead	14	7439-92-1	SW6020B	02/19/2024 11:15	02/20/2024 10:59	8970		55.5	55.5	1	ug/kg dry	AB
Antimony	14	7440-36-0	SW6020B	02/19/2024 11:15	02/20/2024 10:59	62.0		55.5	55.5	1	ug/kg dry	AB
Selenium	14	7782-49-2	SW6020B	02/19/2024 11:15	02/20/2024 10:59	1330		55.5	55.5	1	ug/kg dry	AB
Thallium	14	7440-28-0	SW6020B	02/19/2024 11:15	02/20/2024 10:59	82.6		55.5	55.5	1	ug/kg dry	AB
Vanadium	14RE1	7440-62-2	SW6020B	02/19/2024 11:15	02/20/2024 12:05	84900		27800	27800	100	ug/kg dry	AB
Zinc	14RE1	7440-66-6	SW6020B	02/19/2024 11:15	02/20/2024 12:05	61700		27800	27800	100	ug/kg dry	AB
Wet Chemistry Analysis												
Chromium, Hexavalent	14	18540-29-9	SW7199	02/29/2024 09:00	03/01/2024 20:01	BLOD		0.24	0.24	1	mg/kg dry	MGC
Percent Solids	14	NA	SM2540G-2011	02/19/2024 15:42	02/19/2024 15:42	82.2		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-115** **Laboratory Sample ID:** **24B0963-15**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	15	7440-22-4	SW6020B	02/19/2024 11:15	02/20/2024 11:02	82.0		2.99	2.99	1	ug/kg dry	AB
Arsenic	15	7440-38-2	SW6020B	02/19/2024 11:15	02/20/2024 11:02	2860		59.8	59.8	1	ug/kg dry	AB
Barium	15RE1	7440-39-3	SW6020B	02/19/2024 11:15	02/20/2024 12:08	126000		59800	59800	100	ug/kg dry	AB
Beryllium	15	7440-41-7	SW6020B	02/19/2024 11:15	02/20/2024 11:02	576		59.8	59.8	1	ug/kg dry	AB
Cadmium	15	7440-43-9	SW6020B	02/19/2024 11:15	02/20/2024 11:02	135		59.8	59.8	1	ug/kg dry	AB
Cobalt	15	7440-48-4	SW6020B	02/19/2024 11:15	02/20/2024 11:02	16300		59.8	59.8	1	ug/kg dry	AB
Chromium	15	7440-47-3	SW6020B	02/19/2024 11:15	02/20/2024 11:02	36100		59.8	59.8	1	ug/kg dry	AB
Copper	15	7440-50-8	SW6020B	02/19/2024 11:15	02/20/2024 11:02	33600		59.8	59.8	1	ug/kg dry	AB
Mercury	15RE1	7439-97-6	SW7471B	02/21/2024 09:20	02/21/2024 14:10	0.341		0.029	0.029	3	mg/kg dry	SGT
Manganese	15RE1	7439-96-5	SW6020B	02/19/2024 11:15	02/20/2024 12:08	1080000		5980	5980	100	ug/kg dry	AB
Nickel	15	7440-02-0	SW6020B	02/19/2024 11:15	02/20/2024 11:02	11100		59.8	59.8	1	ug/kg dry	AB
Lead	15	7439-92-1	SW6020B	02/19/2024 11:15	02/20/2024 11:02	26200		59.8	59.8	1	ug/kg dry	AB
Antimony	15	7440-36-0	SW6020B	02/19/2024 11:15	02/20/2024 11:02	252		59.8	59.8	1	ug/kg dry	AB
Selenium	15	7782-49-2	SW6020B	02/19/2024 11:15	02/20/2024 11:02	1870		59.8	59.8	1	ug/kg dry	AB
Thallium	15	7440-28-0	SW6020B	02/19/2024 11:15	02/20/2024 11:02	115		59.8	59.8	1	ug/kg dry	AB
Vanadium	15RE1	7440-62-2	SW6020B	02/19/2024 11:15	02/20/2024 12:08	100000		29900	29900	100	ug/kg dry	AB
Zinc	15RE1	7440-66-6	SW6020B	02/19/2024 11:15	02/20/2024 12:08	61900		29900	29900	100	ug/kg dry	AB

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Client Sample ID: **BG-115** **Laboratory Sample ID:** **24B0963-15**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Chromium, Hexavalent	15RE1	18540-29-9	SW7199	02/29/2024 09:00	03/04/2024 13:02	0.52	M3	0.24	0.24	1	mg/kg dry	MGC
Percent Solids	15	NA	SM2540G-2011	02/19/2024 15:42	02/19/2024 15:42	81.7		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-116** **Laboratory Sample ID:** **24B0963-16**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	16	7440-22-4	SW6020B	02/19/2024 11:15	02/21/2024 10:15	59.9		3.00	3.00	1	ug/kg dry	AB
Arsenic	16	7440-38-2	SW6020B	02/19/2024 11:15	02/21/2024 10:15	1740		60.0	60.0	1	ug/kg dry	AB
Barium	16	7440-39-3	SW6020B	02/19/2024 11:15	02/21/2024 10:15	104000		600	600	1	ug/kg dry	AB
Beryllium	16	7440-41-7	SW6020B	02/19/2024 11:15	02/21/2024 10:15	387		60.0	60.0	1	ug/kg dry	AB
Cadmium	16	7440-43-9	SW6020B	02/19/2024 11:15	02/21/2024 10:15	92.4		60.0	60.0	1	ug/kg dry	AB
Cobalt	16	7440-48-4	SW6020B	02/19/2024 11:15	02/21/2024 10:15	13900		60.0	60.0	1	ug/kg dry	AB
Chromium	16	7440-47-3	SW6020B	02/19/2024 11:15	02/21/2024 10:15	34300		60.0	60.0	1	ug/kg dry	AB
Copper	16	7440-50-8	SW6020B	02/19/2024 11:15	02/21/2024 10:15	41500		60.0	60.0	1	ug/kg dry	AB
Mercury	16	7439-97-6	SW7471B	02/21/2024 09:20	02/21/2024 12:31	0.163		0.010	0.010	1	mg/kg dry	SGT
Manganese	16	7439-96-5	SW6020B	02/19/2024 11:15	02/21/2024 10:15	510000		60.0	60.0	1	ug/kg dry	AB
Nickel	16	7440-02-0	SW6020B	02/19/2024 11:15	02/21/2024 10:15	13300		60.0	60.0	1	ug/kg dry	AB
Lead	16	7439-92-1	SW6020B	02/19/2024 11:15	02/21/2024 10:15	18900		60.0	60.0	1	ug/kg dry	AB
Antimony	16	7440-36-0	SW6020B	02/19/2024 11:15	02/21/2024 10:15	91.4		60.0	60.0	1	ug/kg dry	AB
Selenium	16	7782-49-2	SW6020B	02/19/2024 11:15	02/21/2024 10:15	1080		60.0	60.0	1	ug/kg dry	AB
Thallium	16	7440-28-0	SW6020B	02/19/2024 11:15	02/21/2024 10:15	84.1		60.0	60.0	1	ug/kg dry	AB
Vanadium	16	7440-62-2	SW6020B	02/19/2024 11:15	02/21/2024 10:15	77500		300	300	1	ug/kg dry	AB
Zinc	16	7440-66-6	SW6020B	02/19/2024 11:15	02/21/2024 10:15	63100		300	300	1	ug/kg dry	AB

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Client Sample ID: **BG-116** **Laboratory Sample ID:** **24B0963-16**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Chromium, Hexavalent	16	18540-29-9	SW7199	02/29/2024 09:00	03/01/2024 22:40	0.42		0.24	0.24	1	mg/kg dry	MGC
Percent Solids	16	NA	SM2540G-2011	02/19/2024 15:42	02/19/2024 15:42	83.1		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-117** **Laboratory Sample ID:** **24B0963-17**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	17	7440-22-4	SW6020B	02/19/2024 11:15	02/21/2024 10:18	21.3		2.91	2.91	1	ug/kg dry	AB
Arsenic	17	7440-38-2	SW6020B	02/19/2024 11:15	02/21/2024 10:18	1470		58.3	58.3	1	ug/kg dry	AB
Barium	17	7440-39-3	SW6020B	02/19/2024 11:15	02/21/2024 10:18	179000		583	583	1	ug/kg dry	AB
Beryllium	17	7440-41-7	SW6020B	02/19/2024 11:15	02/21/2024 10:18	418		58.3	58.3	1	ug/kg dry	AB
Cadmium	17	7440-43-9	SW6020B	02/19/2024 11:15	02/21/2024 10:18	BLOD		58.3	58.3	1	ug/kg dry	AB
Cobalt	17	7440-48-4	SW6020B	02/19/2024 11:15	02/21/2024 10:18	11400		58.3	58.3	1	ug/kg dry	AB
Chromium	17	7440-47-3	SW6020B	02/19/2024 11:15	02/21/2024 10:18	11400		58.3	58.3	1	ug/kg dry	AB
Copper	17	7440-50-8	SW6020B	02/19/2024 11:15	02/21/2024 10:18	19900		58.3	58.3	1	ug/kg dry	AB
Mercury	17	7439-97-6	SW7471B	02/21/2024 09:20	02/21/2024 12:35	0.043		0.009	0.009	1	mg/kg dry	SGT
Manganese	17	7439-96-5	SW6020B	02/19/2024 11:15	02/21/2024 10:18	309000		58.3	58.3	1	ug/kg dry	AB
Nickel	17	7440-02-0	SW6020B	02/19/2024 11:15	02/21/2024 10:18	7970		58.3	58.3	1	ug/kg dry	AB
Lead	17	7439-92-1	SW6020B	02/19/2024 11:15	02/21/2024 10:18	9200		58.3	58.3	1	ug/kg dry	AB
Antimony	17	7440-36-0	SW6020B	02/19/2024 11:15	02/21/2024 10:18	71.9		58.3	58.3	1	ug/kg dry	AB
Selenium	17	7782-49-2	SW6020B	02/19/2024 11:15	02/21/2024 10:18	1180		58.3	58.3	1	ug/kg dry	AB
Thallium	17	7440-28-0	SW6020B	02/19/2024 11:15	02/21/2024 10:18	BLOD		58.3	58.3	1	ug/kg dry	AB
Vanadium	17	7440-62-2	SW6020B	02/19/2024 11:15	02/21/2024 10:18	61600		291	291	1	ug/kg dry	AB
Zinc	17	7440-66-6	SW6020B	02/19/2024 11:15	02/21/2024 10:18	54800		291	291	1	ug/kg dry	AB

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Client Sample ID: **BG-117** **Laboratory Sample ID:** **24B0963-17**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Chromium, Hexavalent	17	18540-29-9	SW7199	02/29/2024 09:00	03/01/2024 23:07	BLOD		0.24	0.24	1	mg/kg dry	MGC
Percent Solids	17	NA	SM2540G-2011	02/19/2024 15:42	02/19/2024 15:42	82.4		0.10	0.10	1	%	KJM

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Client Sample ID: BG-118 **Laboratory Sample ID:** 24B0963-18

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	18	7440-22-4	SW6020B	02/19/2024 11:15	02/21/2024 10:23	26.2		3.11	3.11	1	ug/kg dry	AB
Arsenic	18	7440-38-2	SW6020B	02/19/2024 11:15	02/21/2024 10:23	1740		62.2	62.2	1	ug/kg dry	AB
Barium	18	7440-39-3	SW6020B	02/19/2024 11:15	02/21/2024 10:23	187000		622	622	1	ug/kg dry	AB
Beryllium	18	7440-41-7	SW6020B	02/19/2024 11:15	02/21/2024 10:23	772		62.2	62.2	1	ug/kg dry	AB
Cadmium	18	7440-43-9	SW6020B	02/19/2024 11:15	02/21/2024 10:23	68.0		62.2	62.2	1	ug/kg dry	AB
Cobalt	18	7440-48-4	SW6020B	02/19/2024 11:15	02/21/2024 10:23	18600		62.2	62.2	1	ug/kg dry	AB
Chromium	18	7440-47-3	SW6020B	02/19/2024 11:15	02/21/2024 10:23	30800		62.2	62.2	1	ug/kg dry	AB
Copper	18	7440-50-8	SW6020B	02/19/2024 11:15	02/21/2024 10:23	34000		62.2	62.2	1	ug/kg dry	AB
Mercury	18	7439-97-6	SW7471B	02/21/2024 09:20	02/21/2024 12:44	0.052		0.010	0.010	1	mg/kg dry	SGT
Manganese	18	7439-96-5	SW6020B	02/19/2024 11:15	02/21/2024 10:23	505000		62.2	62.2	1	ug/kg dry	AB
Nickel	18	7440-02-0	SW6020B	02/19/2024 11:15	02/21/2024 10:23	17800		62.2	62.2	1	ug/kg dry	AB
Lead	18	7439-92-1	SW6020B	02/19/2024 11:15	02/21/2024 10:23	13600		62.2	62.2	1	ug/kg dry	AB
Antimony	18	7440-36-0	SW6020B	02/19/2024 11:15	02/21/2024 10:23	124		62.2	62.2	1	ug/kg dry	AB
Selenium	18	7782-49-2	SW6020B	02/19/2024 11:15	02/21/2024 10:23	2180		62.2	62.2	1	ug/kg dry	AB
Thallium	18	7440-28-0	SW6020B	02/19/2024 11:15	02/21/2024 10:23	89.7		62.2	62.2	1	ug/kg dry	AB
Vanadium	18	7440-62-2	SW6020B	02/19/2024 11:15	02/21/2024 10:23	154000		311	311	1	ug/kg dry	AB
Zinc	18	7440-66-6	SW6020B	02/19/2024 11:15	02/21/2024 10:23	66000		311	311	1	ug/kg dry	AB

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Client Sample ID: **BG-118** **Laboratory Sample ID:** **24B0963-18**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Chromium, Hexavalent	18	18540-29-9	SW7199	02/29/2024 09:00	03/01/2024 23:34	0.47		0.26	0.26	1	mg/kg dry	MGC
Percent Solids	18	NA	SM2540G-2011	02/19/2024 15:42	02/19/2024 15:42	75.8		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-119** **Laboratory Sample ID:** **24B0963-19**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	19	7440-22-4	SW6020B	02/19/2024 11:15	02/21/2024 10:26	206		3.30	3.30	1	ug/kg dry	AB
Arsenic	19	7440-38-2	SW6020B	02/19/2024 11:15	02/21/2024 10:26	5580		66.1	66.1	1	ug/kg dry	AB
Barium	19	7440-39-3	SW6020B	02/19/2024 11:15	02/21/2024 10:26	121000		661	661	1	ug/kg dry	AB
Beryllium	19	7440-41-7	SW6020B	02/19/2024 11:15	02/21/2024 10:26	454		66.1	66.1	1	ug/kg dry	AB
Cadmium	19	7440-43-9	SW6020B	02/19/2024 11:15	02/21/2024 10:26	645		66.1	66.1	1	ug/kg dry	AB
Cobalt	19	7440-48-4	SW6020B	02/19/2024 11:15	02/21/2024 10:26	16200		66.1	66.1	1	ug/kg dry	AB
Chromium	19	7440-47-3	SW6020B	02/19/2024 11:15	02/21/2024 10:26	42100		66.1	66.1	1	ug/kg dry	AB
Copper	19	7440-50-8	SW6020B	02/19/2024 11:15	02/21/2024 10:26	45100		66.1	66.1	1	ug/kg dry	AB
Mercury	19	7439-97-6	SW7471B	02/21/2024 09:20	02/21/2024 12:46	0.223		0.011	0.011	1	mg/kg dry	SGT
Manganese	19RE1	7439-96-5	SW6020B	02/19/2024 11:15	02/21/2024 11:50	704000		661	661	10	ug/kg dry	AB
Nickel	19	7440-02-0	SW6020B	02/19/2024 11:15	02/21/2024 10:26	17000		66.1	66.1	1	ug/kg dry	AB
Lead	19	7439-92-1	SW6020B	02/19/2024 11:15	02/21/2024 10:26	62000		66.1	66.1	1	ug/kg dry	AB
Antimony	19	7440-36-0	SW6020B	02/19/2024 11:15	02/21/2024 10:26	337		66.1	66.1	1	ug/kg dry	AB
Selenium	19	7782-49-2	SW6020B	02/19/2024 11:15	02/21/2024 10:26	1350		66.1	66.1	1	ug/kg dry	AB
Thallium	19	7440-28-0	SW6020B	02/19/2024 11:15	02/21/2024 10:26	102		66.1	66.1	1	ug/kg dry	AB
Vanadium	19	7440-62-2	SW6020B	02/19/2024 11:15	02/21/2024 10:26	81600		330	330	1	ug/kg dry	AB
Zinc	19	7440-66-6	SW6020B	02/19/2024 11:15	02/21/2024 10:26	169000		330	330	1	ug/kg dry	AB

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Client Sample ID: **BG-119** **Laboratory Sample ID:** **24B0963-19**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Chromium, Hexavalent	19	18540-29-9	SW7199	02/29/2024 09:00	03/02/2024 00:00	BLOD		0.28	0.28	1	mg/kg dry	MGC
Percent Solids	19	NA	SM2540G-2011	02/19/2024 15:42	02/19/2024 15:42	70.9		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-120** **Laboratory Sample ID:** **24B0963-20**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	20	7440-22-4	SW6020B	02/19/2024 11:15	02/21/2024 10:28	56.6		2.82	2.82	1	ug/kg dry	AB
Arsenic	20	7440-38-2	SW6020B	02/19/2024 11:15	02/21/2024 10:28	1510		56.5	56.5	1	ug/kg dry	AB
Barium	20	7440-39-3	SW6020B	02/19/2024 11:15	02/21/2024 10:28	113000		565	565	1	ug/kg dry	AB
Beryllium	20	7440-41-7	SW6020B	02/19/2024 11:15	02/21/2024 10:28	329		56.5	56.5	1	ug/kg dry	AB
Cadmium	20	7440-43-9	SW6020B	02/19/2024 11:15	02/21/2024 10:28	86.0		56.5	56.5	1	ug/kg dry	AB
Cobalt	20	7440-48-4	SW6020B	02/19/2024 11:15	02/21/2024 10:28	14600		56.5	56.5	1	ug/kg dry	AB
Chromium	20	7440-47-3	SW6020B	02/19/2024 11:15	02/21/2024 10:28	32600		56.5	56.5	1	ug/kg dry	AB
Copper	20	7440-50-8	SW6020B	02/19/2024 11:15	02/21/2024 10:28	47100		56.5	56.5	1	ug/kg dry	AB
Mercury	20RE1	7439-97-6	SW7471B	02/21/2024 09:20	02/21/2024 14:12	0.514		0.056	0.056	3	mg/kg dry	SGT
Manganese	20RE1	7439-96-5	SW6020B	02/19/2024 11:15	02/21/2024 11:53	651000		565	565	10	ug/kg dry	AB
Nickel	20	7440-02-0	SW6020B	02/19/2024 11:15	02/21/2024 10:28	15800		56.5	56.5	1	ug/kg dry	AB
Lead	20	7439-92-1	SW6020B	02/19/2024 11:15	02/21/2024 10:28	13500		56.5	56.5	1	ug/kg dry	AB
Antimony	20	7440-36-0	SW6020B	02/19/2024 11:15	02/21/2024 10:28	74.0		56.5	56.5	1	ug/kg dry	AB
Selenium	20	7782-49-2	SW6020B	02/19/2024 11:15	02/21/2024 10:28	1060		56.5	56.5	1	ug/kg dry	AB
Thallium	20	7440-28-0	SW6020B	02/19/2024 11:15	02/21/2024 10:28	73.4		56.5	56.5	1	ug/kg dry	AB
Vanadium	20	7440-62-2	SW6020B	02/19/2024 11:15	02/21/2024 10:28	73900		282	282	1	ug/kg dry	AB
Zinc	20	7440-66-6	SW6020B	02/19/2024 11:15	02/21/2024 10:28	58700		282	282	1	ug/kg dry	AB

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Client Sample ID: **BG-120** **Laboratory Sample ID:** **24B0963-20**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Chromium, Hexavalent	20	18540-29-9	SW7199	02/29/2024 09:00	03/02/2024 00:27	0.74		0.24	0.24	1	mg/kg dry	MGC
Percent Solids	20	NA	SM2540G-2011	02/19/2024 15:42	02/19/2024 15:42	83.8		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-121** **Laboratory Sample ID:** **24B0963-21**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	21	7440-22-4	SW6020B	02/19/2024 11:15	02/21/2024 10:33	45.9		2.96	2.96	1	ug/kg dry	AB
Arsenic	21	7440-38-2	SW6020B	02/19/2024 11:15	02/21/2024 10:33	3280		59.2	59.2	1	ug/kg dry	AB
Barium	21	7440-39-3	SW6020B	02/19/2024 11:15	02/21/2024 10:33	103000		592	592	1	ug/kg dry	AB
Beryllium	21	7440-41-7	SW6020B	02/19/2024 11:15	02/21/2024 10:33	450		59.2	59.2	1	ug/kg dry	AB
Cadmium	21	7440-43-9	SW6020B	02/19/2024 11:15	02/21/2024 10:33	87.1		59.2	59.2	1	ug/kg dry	AB
Cobalt	21	7440-48-4	SW6020B	02/19/2024 11:15	02/21/2024 10:33	16700		59.2	59.2	1	ug/kg dry	AB
Chromium	21	7440-47-3	SW6020B	02/19/2024 11:15	02/21/2024 10:33	38200		59.2	59.2	1	ug/kg dry	AB
Copper	21	7440-50-8	SW6020B	02/19/2024 11:15	02/21/2024 10:33	52800		59.2	59.2	1	ug/kg dry	AB
Mercury	21RE1	7439-97-6	SW7471B	02/21/2024 09:20	02/21/2024 14:15	0.305		0.030	0.030	3	mg/kg dry	SGT
Manganese	21RE1	7439-96-5	SW6020B	02/19/2024 11:15	02/21/2024 11:56	697000		592	592	10	ug/kg dry	AB
Nickel	21	7440-02-0	SW6020B	02/19/2024 11:15	02/21/2024 10:33	15700		59.2	59.2	1	ug/kg dry	AB
Lead	21	7439-92-1	SW6020B	02/19/2024 11:15	02/21/2024 10:33	15700		59.2	59.2	1	ug/kg dry	AB
Antimony	21	7440-36-0	SW6020B	02/19/2024 11:15	02/21/2024 10:33	108		59.2	59.2	1	ug/kg dry	AB
Selenium	21	7782-49-2	SW6020B	02/19/2024 11:15	02/21/2024 10:33	1350		59.2	59.2	1	ug/kg dry	AB
Thallium	21	7440-28-0	SW6020B	02/19/2024 11:15	02/21/2024 10:33	97.7		59.2	59.2	1	ug/kg dry	AB
Vanadium	21	7440-62-2	SW6020B	02/19/2024 11:15	02/21/2024 10:33	107000		296	296	1	ug/kg dry	AB
Zinc	21	7440-66-6	SW6020B	02/19/2024 11:15	02/21/2024 10:33	62000		296	296	1	ug/kg dry	AB

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Client Sample ID: **BG-121** **Laboratory Sample ID:** **24B0963-21**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Chromium, Hexavalent	21	18540-29-9	SW7199	02/29/2024 09:00	03/02/2024 00:53	BLOD		0.25	0.25	1	mg/kg dry	MGC
Percent Solids	21	NA	SM2540G-2011	02/19/2024 15:42	02/19/2024 15:42	78.5		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-122** **Laboratory Sample ID:** **24B0963-22**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	22	7440-22-4	SW6020B	02/19/2024 11:15	02/21/2024 10:36	75.9		2.78	2.78	1	ug/kg dry	AB
Arsenic	22	7440-38-2	SW6020B	02/19/2024 11:15	02/21/2024 10:36	2800		55.6	55.6	1	ug/kg dry	AB
Barium	22	7440-39-3	SW6020B	02/19/2024 11:15	02/21/2024 10:36	128000		556	556	1	ug/kg dry	AB
Beryllium	22	7440-41-7	SW6020B	02/19/2024 11:15	02/21/2024 10:36	476		55.6	55.6	1	ug/kg dry	AB
Cadmium	22	7440-43-9	SW6020B	02/19/2024 11:15	02/21/2024 10:36	210		55.6	55.6	1	ug/kg dry	AB
Cobalt	22	7440-48-4	SW6020B	02/19/2024 11:15	02/21/2024 10:36	11800		55.6	55.6	1	ug/kg dry	AB
Chromium	22	7440-47-3	SW6020B	02/19/2024 11:15	02/21/2024 10:36	30000		55.6	55.6	1	ug/kg dry	AB
Copper	22	7440-50-8	SW6020B	02/19/2024 11:15	02/21/2024 10:36	30400		55.6	55.6	1	ug/kg dry	AB
Mercury	22RE1	7439-97-6	SW7471B	02/21/2024 09:20	02/21/2024 14:18	0.277		0.029	0.029	3	mg/kg dry	SGT
Manganese	22RE1	7439-96-5	SW6020B	02/19/2024 11:15	02/21/2024 11:59	723000		556	556	10	ug/kg dry	AB
Nickel	22	7440-02-0	SW6020B	02/19/2024 11:15	02/21/2024 10:36	11500		55.6	55.6	1	ug/kg dry	AB
Lead	22	7439-92-1	SW6020B	02/19/2024 11:15	02/21/2024 10:36	51600		55.6	55.6	1	ug/kg dry	AB
Antimony	22	7440-36-0	SW6020B	02/19/2024 11:15	02/21/2024 10:36	174		55.6	55.6	1	ug/kg dry	AB
Selenium	22	7782-49-2	SW6020B	02/19/2024 11:15	02/21/2024 10:36	2400		55.6	55.6	1	ug/kg dry	AB
Thallium	22	7440-28-0	SW6020B	02/19/2024 11:15	02/21/2024 10:36	79.0		55.6	55.6	1	ug/kg dry	AB
Vanadium	22	7440-62-2	SW6020B	02/19/2024 11:15	02/21/2024 10:36	72500		278	278	1	ug/kg dry	AB
Zinc	22	7440-66-6	SW6020B	02/19/2024 11:15	02/21/2024 10:36	80800		278	278	1	ug/kg dry	AB

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Client Sample ID: **BG-122** **Laboratory Sample ID:** **24B0963-22**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Chromium, Hexavalent	22	18540-29-9	SW7199	02/29/2024 09:00	03/02/2024 01:20	0.53		0.24	0.24	1	mg/kg dry	MGC
Percent Solids	22	NA	SM2540G-2011	02/19/2024 15:42	02/19/2024 15:42	82.1		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-123** **Laboratory Sample ID:** **24B0963-23**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	23	7440-22-4	SW6020B	02/19/2024 11:15	02/21/2024 10:39	4.43		3.09	3.09	1	ug/kg dry	AB
Arsenic	23	7440-38-2	SW6020B	02/19/2024 11:15	02/21/2024 10:39	1380		61.7	61.7	1	ug/kg dry	AB
Barium	23	7440-39-3	SW6020B	02/19/2024 11:15	02/21/2024 10:39	213000		617	617	1	ug/kg dry	AB
Beryllium	23	7440-41-7	SW6020B	02/19/2024 11:15	02/21/2024 10:39	809		61.7	61.7	1	ug/kg dry	AB
Cadmium	23	7440-43-9	SW6020B	02/19/2024 11:15	02/21/2024 10:39	BLOD		61.7	61.7	1	ug/kg dry	AB
Cobalt	23	7440-48-4	SW6020B	02/19/2024 11:15	02/21/2024 10:39	11900		61.7	61.7	1	ug/kg dry	AB
Chromium	23	7440-47-3	SW6020B	02/19/2024 11:15	02/21/2024 10:39	14400		61.7	61.7	1	ug/kg dry	AB
Copper	23	7440-50-8	SW6020B	02/19/2024 11:15	02/21/2024 10:39	35100		61.7	61.7	1	ug/kg dry	AB
Mercury	23	7439-97-6	SW7471B	02/21/2024 09:20	02/21/2024 12:58	0.025		0.010	0.010	1	mg/kg dry	SGT
Manganese	23	7439-96-5	SW6020B	02/19/2024 11:15	02/21/2024 10:39	313000		61.7	61.7	1	ug/kg dry	AB
Nickel	23	7440-02-0	SW6020B	02/19/2024 11:15	02/21/2024 10:39	10500		61.7	61.7	1	ug/kg dry	AB
Lead	23	7439-92-1	SW6020B	02/19/2024 11:15	02/21/2024 10:39	6570		61.7	61.7	1	ug/kg dry	AB
Antimony	23	7440-36-0	SW6020B	02/19/2024 11:15	02/21/2024 10:39	BLOD		61.7	61.7	1	ug/kg dry	AB
Selenium	23	7782-49-2	SW6020B	02/19/2024 11:15	02/21/2024 10:39	2660		61.7	61.7	1	ug/kg dry	AB
Thallium	23	7440-28-0	SW6020B	02/19/2024 11:15	02/21/2024 10:39	BLOD		61.7	61.7	1	ug/kg dry	AB
Vanadium	23	7440-62-2	SW6020B	02/19/2024 11:15	02/21/2024 10:39	96000		309	309	1	ug/kg dry	AB
Zinc	23	7440-66-6	SW6020B	02/19/2024 11:15	02/21/2024 10:39	73300		309	309	1	ug/kg dry	AB

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Client Sample ID: **BG-123** **Laboratory Sample ID:** **24B0963-23**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Chromium, Hexavalent	23	18540-29-9	SW7199	02/29/2024 09:00	03/02/2024 02:40	0.29		0.25	0.25	1	mg/kg dry	MGC
Percent Solids	23	NA	SM2540G-2011	02/19/2024 15:42	02/19/2024 15:42	79.8		0.10	0.10	1	%	KJM

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Client Sample ID: **BG-124** **Laboratory Sample ID:** **24B0963-24**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	24	7440-22-4	SW6020B	02/19/2024 11:15	02/21/2024 10:49	21.8		2.93	2.93	1	ug/kg dry	AB
Arsenic	24	7440-38-2	SW6020B	02/19/2024 11:15	02/21/2024 10:49	1160		58.6	58.6	1	ug/kg dry	AB
Barium	24	7440-39-3	SW6020B	02/19/2024 11:15	02/21/2024 10:49	247000		586	586	1	ug/kg dry	AB
Beryllium	24	7440-41-7	SW6020B	02/19/2024 11:15	02/21/2024 10:49	618		58.6	58.6	1	ug/kg dry	AB
Cadmium	24	7440-43-9	SW6020B	02/19/2024 11:15	02/21/2024 10:49	129		58.6	58.6	1	ug/kg dry	AB
Cobalt	24	7440-48-4	SW6020B	02/19/2024 11:15	02/21/2024 10:49	19700		58.6	58.6	1	ug/kg dry	AB
Chromium	24	7440-47-3	SW6020B	02/19/2024 11:15	02/21/2024 10:49	48800		58.6	58.6	1	ug/kg dry	AB
Copper	24RE1	7440-50-8	SW6020B	02/19/2024 11:15	02/21/2024 12:04	61400		586	586	10	ug/kg dry	AB
Mercury	24	7439-97-6	SW7471B	02/21/2024 09:20	02/21/2024 13:02	0.043		0.010	0.010	1	mg/kg dry	SGT
Manganese	24RE1	7439-96-5	SW6020B	02/19/2024 11:15	02/21/2024 12:04	717000		586	586	10	ug/kg dry	AB
Nickel	24	7440-02-0	SW6020B	02/19/2024 11:15	02/21/2024 10:49	21000		58.6	58.6	1	ug/kg dry	AB
Lead	24	7439-92-1	SW6020B	02/19/2024 11:15	02/21/2024 10:49	18500		58.6	58.6	1	ug/kg dry	AB
Antimony	24	7440-36-0	SW6020B	02/19/2024 11:15	02/21/2024 10:49	174		58.6	58.6	1	ug/kg dry	AB
Selenium	24	7782-49-2	SW6020B	02/19/2024 11:15	02/21/2024 10:49	1220		58.6	58.6	1	ug/kg dry	AB
Thallium	24	7440-28-0	SW6020B	02/19/2024 11:15	02/21/2024 10:49	117		58.6	58.6	1	ug/kg dry	AB
Vanadium	24	7440-62-2	SW6020B	02/19/2024 11:15	02/21/2024 10:49	107000		293	293	1	ug/kg dry	AB
Zinc	24	7440-66-6	SW6020B	02/19/2024 11:15	02/21/2024 10:49	84200		293	293	1	ug/kg dry	AB

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Client Sample ID: **BG-124** **Laboratory Sample ID:** **24B0963-24**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Chromium, Hexavalent	24	18540-29-9	SW7199	02/29/2024 09:00	03/02/2024 03:07	0.59		0.25	0.25	1	mg/kg dry	MGC
Percent Solids	24	NA	SM2540G-2011	02/19/2024 15:42	02/19/2024 15:42	80.6		0.10	0.10	1	%	KJM

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Client Sample ID: **Dup 9** **Laboratory Sample ID:** **24B0963-25**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Metals (Total) by EPA 6000/7000 Series Methods												
Silver	25	7440-22-4	SW6020B	02/19/2024 11:15	02/21/2024 10:52	78.1		2.88	2.88	1	ug/kg dry	AB
Arsenic	25	7440-38-2	SW6020B	02/19/2024 11:15	02/21/2024 10:52	2760		57.5	57.5	1	ug/kg dry	AB
Barium	25	7440-39-3	SW6020B	02/19/2024 11:15	02/21/2024 10:52	110000		575	575	1	ug/kg dry	AB
Beryllium	25	7440-41-7	SW6020B	02/19/2024 11:15	02/21/2024 10:52	553		57.5	57.5	1	ug/kg dry	AB
Cadmium	25	7440-43-9	SW6020B	02/19/2024 11:15	02/21/2024 10:52	120		57.5	57.5	1	ug/kg dry	AB
Cobalt	25	7440-48-4	SW6020B	02/19/2024 11:15	02/21/2024 10:52	16200		57.5	57.5	1	ug/kg dry	AB
Chromium	25	7440-47-3	SW6020B	02/19/2024 11:15	02/21/2024 10:52	35100		57.5	57.5	1	ug/kg dry	AB
Copper	25	7440-50-8	SW6020B	02/19/2024 11:15	02/21/2024 10:52	32900		57.5	57.5	1	ug/kg dry	AB
Mercury	25RE1	7439-97-6	SW7471B	02/21/2024 09:20	02/21/2024 14:21	0.275		0.019	0.019	2	mg/kg dry	SGT
Manganese	25RE1	7439-96-5	SW6020B	02/19/2024 11:15	02/21/2024 12:07	875000		575	575	10	ug/kg dry	AB
Nickel	25	7440-02-0	SW6020B	02/19/2024 11:15	02/21/2024 10:52	11000		57.5	57.5	1	ug/kg dry	AB
Lead	25	7439-92-1	SW6020B	02/19/2024 11:15	02/21/2024 10:52	25200		57.5	57.5	1	ug/kg dry	AB
Antimony	25	7440-36-0	SW6020B	02/19/2024 11:15	02/21/2024 10:52	231		57.5	57.5	1	ug/kg dry	AB
Selenium	25	7782-49-2	SW6020B	02/19/2024 11:15	02/21/2024 10:52	1730		57.5	57.5	1	ug/kg dry	AB
Thallium	25	7440-28-0	SW6020B	02/19/2024 11:15	02/21/2024 10:52	111		57.5	57.5	1	ug/kg dry	AB
Vanadium	25	7440-62-2	SW6020B	02/19/2024 11:15	02/21/2024 10:52	88700		288	288	1	ug/kg dry	AB
Zinc	25	7440-66-6	SW6020B	02/19/2024 11:15	02/21/2024 10:52	57500		288	288	1	ug/kg dry	AB

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Client Sample ID: **Dup 9** **Laboratory Sample ID:** **24B0963-25**

Parameter	Samp ID	CAS	Reference Method	Sample Prep Date/Time	Analyzed Date/Time	Sample Results	Qual	DL	LOQ	DF	Units	Analyst
Wet Chemistry Analysis												
Chromium, Hexavalent	25	18540-29-9	SW7199	02/29/2024 09:00	03/02/2024 03:33	0.65		0.24	0.24	1	mg/kg dry	MGC
Percent Solids	25	NA	SM2540G-2011	02/19/2024 15:42	02/19/2024 15:42	81.7		0.10	0.10	1	%	KJM

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Metals (Total) by EPA 6000/7000 Series Methods - Quality Control

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0605 - SW3050B-ICPMS										
Blank (BHB0605-BLK1)				Prepared: 02/15/2024 Analyzed: 02/16/2024						
Nickel	ND	50.0	ug/kg							
Zinc	ND	250	ug/kg							
Vanadium	ND	250	ug/kg							
Thallium	ND	50.0	ug/kg							
Selenium	ND	50.0	ug/kg							
Manganese	ND	50.0	ug/kg							
Lead	ND	50.0	ug/kg							
Copper	ND	50.0	ug/kg							
Arsenic	ND	50.0	ug/kg							
Silver	ND	2.50	ug/kg							
Antimony	ND	50.0	ug/kg							
Cobalt	ND	50.0	ug/kg							
Barium	ND	500	ug/kg							
Beryllium	ND	50.0	ug/kg							
Cadmium	ND	50.0	ug/kg							
Chromium	ND	50.0	ug/kg							
LCS (BHB0605-BS1)				Prepared: 02/15/2024 Analyzed: 02/16/2024						
Barium	2390	500	ug/kg	2430		98.0	80-120			
Chromium	2460	50.0	ug/kg	2430		101	80-120			
Vanadium	2400	250	ug/kg	2430		98.6	80-120			
Thallium	1720	50.0	ug/kg	2430		70.7	80-120			*L*
Silver	488	2.50	ug/kg	487		100	80-120			
Antimony	2420	50.0	ug/kg	2430		99.3	80-120			
Arsenic	2530	50.0	ug/kg	2430		104	80-120			

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Metals (Total) by EPA 6000/7000 Series Methods - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0605 - SW3050B-ICPMS										
LCS (BHB0605-BS1)				Prepared: 02/15/2024 Analyzed: 02/16/2024						
Selenium	2690	50.0	ug/kg	2430		111	80-120			
Cadmium	2560	50.0	ug/kg	2430		105	80-120			
Cobalt	2420	50.0	ug/kg	2430		99.3	80-120			
Copper	2420	50.0	ug/kg	2430		99.3	80-120			
Lead	2470	50.0	ug/kg	2430		101	80-120			
Manganese	2430	50.0	ug/kg	2430		99.8	80-120			
Nickel	2440	50.0	ug/kg	2430		100	80-120			
Zinc	2700	250	ug/kg	2430		111	80-120			
Beryllium	2470	50.0	ug/kg	2430		102	80-120			
Matrix Spike (BHB0605-MS1)	**Source: 24B0796-02**			Prepared: 02/15/2024 Analyzed: 02/16/2024						
Silver	555	3.00	ug/kg	599	14.2	90.3	75-125			
Antimony	549	59.9	ug/kg	3000	BLOD	18.3	75-125			*M*
Arsenic	4490	59.9	ug/kg	3000	2210	76.1	75-125			
Beryllium	2930	59.9	ug/kg	3000	488	81.4	75-125			
Cadmium	2940	59.9	ug/kg	3000	BLOD	98.1	75-125			
Chromium	42800	59.9	ug/kg	3000	49600	-224	75-125			*M*
Cobalt	13300	59.9	ug/kg	3000	12700	19.1	75-125			*M*
Copper	37800	59.9	ug/kg	3000	40900	-104	75-125			*M*
Lead	14600	59.9	ug/kg	3000	12800	59.2	75-125			*M*
Selenium	3860	59.9	ug/kg	3000	1450	80.4	75-125			
Thallium	2620	59.9	ug/kg	3000	72.2	85.0	75-125			
Zinc	42400	300	ug/kg	3000	37000	177	75-125			*M*
Nickel	14900	59.9	ug/kg	3000	11600	110	75-125			
Matrix Spike (BHB0605-MS2)	**Source: 24B0796-02RE1**			Prepared: 02/15/2024 Analyzed: 02/16/2024						

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Metals (Total) by EPA 6000/7000 Series Methods - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0605 - SW3050B-ICPMS										
Matrix Spike (BHB0605-MS2)		**Source: 24B0796-02RE1**		Prepared: 02/15/2024 Analyzed: 02/16/2024						
Thallium	2330	599	ug/kg	3000	BLOD	77.9	75-125			
Manganese	333000	599	ug/kg	3000	371000	-1290	75-125			*M2, E*
Vanadium	119000	3000	ug/kg	3000	132000	-418	75-125			*M2*
Barium	58100	5990	ug/kg	3000	53600	150	75-125			*M2*
Matrix Spike Dup (BHB0605-MSD1)		**Source: 24B0796-02**		Prepared: 02/15/2024 Analyzed: 02/16/2024						
Arsenic	4670	63.8	ug/kg	3190	2210	77.1	75-125	3.84	20	
Antimony	605	63.8	ug/kg	3190	BLOD	19.0	75-125	9.74	20	*M*
Beryllium	3150	63.8	ug/kg	3190	488	83.4	75-125	7.33	20	
Chromium	44700	63.8	ug/kg	3190	49600	-152	75-125	4.24	20	*M*
Cobalt	16400	63.8	ug/kg	3190	12700	114	75-125	20.7	20	*P*
Copper	39700	63.8	ug/kg	3190	40900	-37.0	75-125	5.00	20	*M*
Lead	14800	63.8	ug/kg	3190	12800	62.7	75-125	1.54	20	*M*
Nickel	14900	63.8	ug/kg	3190	11600	102	75-125	0.264	20	
Selenium	4200	63.8	ug/kg	3190	1450	86.0	75-125	8.34	20	
Silver	594	3.19	ug/kg	638	14.2	91.0	75-125	6.81	20	
Thallium	2810	63.8	ug/kg	3190	72.2	85.8	75-125	7.03	20	
Zinc	39200	319	ug/kg	3190	37000	66.6	75-125	7.82	20	*M*
Cadmium	3100	63.8	ug/kg	3190	BLOD	97.2	75-125	5.29	20	
Matrix Spike Dup (BHB0605-MSD2)		**Source: 24B0796-02RE1**		Prepared: 02/15/2024 Analyzed: 02/16/2024						
Vanadium	120000	3190	ug/kg	3190	132000	-375	75-125	0.463	20	*M2*
Barium	67200	6380	ug/kg	3190	53600	426	75-125	14.5	20	*M2*
Thallium	2610	638	ug/kg	3190	BLOD	81.8	75-125	11.1	20	
Manganese	400000	638	ug/kg	3190	371000	894	75-125	18.4	20	*M2, E*
Batch BHB0719 - SW3050B-ICPMS										

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Metals (Total) by EPA 6000/7000 Series Methods - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0719 - SW3050B-ICPMS										
Blank (BHB0719-BLK1)				Prepared: 02/19/2024 Analyzed: 02/20/2024						
Silver	ND	2.50	ug/kg							
Nickel	ND	50.0	ug/kg							
Manganese	ND	50.0	ug/kg							
Lead	ND	50.0	ug/kg							
Copper	ND	50.0	ug/kg							
Vanadium	ND	250	ug/kg							
Cobalt	ND	50.0	ug/kg							
Thallium	ND	50.0	ug/kg							
Chromium	ND	50.0	ug/kg							
Cadmium	ND	50.0	ug/kg							
Beryllium	ND	50.0	ug/kg							
Barium	ND	500	ug/kg							
Arsenic	ND	50.0	ug/kg							
Selenium	ND	50.0	ug/kg							
Antimony	ND	50.0	ug/kg							
Zinc	ND	250	ug/kg							
LCS (BHB0719-BS1)				Prepared: 02/19/2024 Analyzed: 02/20/2024						
Lead	2620	50.0	ug/kg	2290		115	80-120			
Arsenic	2630	50.0	ug/kg	2290		115	80-120			
Antimony	2510	50.0	ug/kg	2290		110	80-120			
Barium	2560	500	ug/kg	2290		112	80-120			
Beryllium	2530	50.0	ug/kg	2290		111	80-120			
Cadmium	2670	50.0	ug/kg	2290		117	80-120			
Chromium	2540	50.0	ug/kg	2290		111	80-120			

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Metals (Total) by EPA 6000/7000 Series Methods - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0719 - SW3050B-ICPMS										
LCS (BHB0719-BS1)				Prepared: 02/19/2024 Analyzed: 02/20/2024						
Copper	2490	50.0	ug/kg	2290		109	80-120			
Manganese	2540	50.0	ug/kg	2290		111	80-120			
Nickel	2440	50.0	ug/kg	2290		107	80-120			
Selenium	2740	50.0	ug/kg	2290		120	80-120			
Silver	491	2.50	ug/kg	457		107	80-120			
Thallium	1760	50.0	ug/kg	2290		76.9	80-120			*L*
Vanadium	2510	250	ug/kg	2290		110	80-120			
Zinc	2730	250	ug/kg	2290		119	80-120			
Cobalt	2460	50.0	ug/kg	2290		108	80-120			
Matrix Spike (BHB0719-MS1)	**Source: 24B0963-01**			Prepared: 02/19/2024 Analyzed: 02/20/2024						
Lead	47100	57.8	ug/kg	2890	50400	-115	75-125			*M*
Antimony	1450	57.8	ug/kg	2890	339	38.3	75-125			*M*
Arsenic	5340	57.8	ug/kg	2890	2150	110	75-125			
Beryllium	4900	57.8	ug/kg	2890	784	142	75-125			*M*
Cadmium	4690	57.8	ug/kg	2890	114	158	75-125			*M*
Chromium	60700	57.8	ug/kg	2890	49800	379	75-125			*M*
Copper	44100	57.8	ug/kg	2890	37900	213	75-125			*M*
Nickel	30100	57.8	ug/kg	2890	23200	238	75-125			*M*
Selenium	6200	57.8	ug/kg	2890	2530	127	75-125			*M*
Silver	596	2.89	ug/kg	578	51.2	94.2	75-125			
Thallium	3930	57.8	ug/kg	2890	124	132	75-125			*M*
Cobalt	25600	57.8	ug/kg	2890	21600	136	75-125			*M*
Matrix Spike (BHB0719-MS2)	**Source: 24B0963-01RE1**			Prepared: 02/19/2024 Analyzed: 02/20/2024						
Barium	157000	57800	ug/kg	2890	146000	378	75-125			*M2*

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Metals (Total) by EPA 6000/7000 Series Methods - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0719 - SW3050B-ICPMS										
Matrix Spike (BHB0719-MS2)	**Source: 24B0963-01RE1**			Prepared: 02/19/2024 Analyzed: 02/20/2024						
Manganese	835000	5780	ug/kg	2890	1010000	-6170	75-125			*M2*
Vanadium	133000	28900	ug/kg	2890	127000	218	75-125			*M2*
Zinc	99000	28900	ug/kg	2890	94200	166	75-125			*M2*
Matrix Spike Dup (BHB0719-MSD1)	**Source: 24B0963-01**			Prepared: 02/19/2024 Analyzed: 02/20/2024						
Chromium	42800	61.5	ug/kg	3080	49800	-227	75-125	34.7	20	*M, P*
Thallium	2720	61.5	ug/kg	3080	124	84.2	75-125	36.6	20	*P*
Silver	638	3.08	ug/kg	615	51.2	95.4	75-125	6.88	20	
Selenium	4710	61.5	ug/kg	3080	2530	70.8	75-125	27.5	20	*M, P*
Nickel	23300	61.5	ug/kg	3080	23200	3.77	75-125	25.3	20	*M, P*
Lead	36200	61.5	ug/kg	3080	50400	-461	75-125	26.1	20	*M, P*
Cobalt	27300	61.5	ug/kg	3080	21600	184	75-125	6.51	20	*M*
Cadmium	3370	61.5	ug/kg	3080	114	106	75-125	32.7	20	*P*
Beryllium	3760	61.5	ug/kg	3080	784	96.7	75-125	26.3	20	*P*
Arsenic	4480	61.5	ug/kg	3080	2150	75.7	75-125	17.4	20	
Antimony	930	61.5	ug/kg	3080	339	19.2	75-125	43.4	20	*M, P*
Copper	38400	61.5	ug/kg	3080	37900	16.7	75-125	13.7	20	*M*
Matrix Spike Dup (BHB0719-MSD2)	**Source: 24B0963-01RE1**			Prepared: 02/19/2024 Analyzed: 02/20/2024						
Zinc	104000	30800	ug/kg	3080	94200	305	75-125	4.54	20	*M2*
Vanadium	139000	30800	ug/kg	3080	127000	384	75-125	4.05	20	*M2*
Manganese	934000	6150	ug/kg	3080	1010000	-2590	75-125	11.2	20	*M2*
Barium	213000	61500	ug/kg	3080	146000	2180	75-125	30.3	20	*M2, P*
Batch BHB0720 - SW3050B-ICPMS										
Blank (BHB0720-BLK1)				Prepared: 02/19/2024 Analyzed: 02/21/2024						

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Metals (Total) by EPA 6000/7000 Series Methods - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0720 - SW3050B-ICPMS										
Blank (BHB0720-BLK1)				Prepared: 02/19/2024 Analyzed: 02/21/2024						
Manganese	ND	50.0	ug/kg							
Vanadium	ND	250	ug/kg							
Thallium	ND	50.0	ug/kg							
Zinc	ND	250	ug/kg							
Silver	ND	2.50	ug/kg							
Nickel	ND	50.0	ug/kg							
Lead	ND	50.0	ug/kg							
Copper	ND	50.0	ug/kg							
Cobalt	ND	50.0	ug/kg							
Chromium	ND	50.0	ug/kg							
Cadmium	ND	50.0	ug/kg							
Beryllium	ND	50.0	ug/kg							
Barium	ND	500	ug/kg							
Arsenic	ND	50.0	ug/kg							
Antimony	ND	50.0	ug/kg							
Selenium	ND	50.0	ug/kg							
LCS (BHB0720-BS1)				Prepared: 02/19/2024 Analyzed: 02/21/2024						
Selenium	2690	50.0	ug/kg	2280		118	80-120			
Antimony	2480	50.0	ug/kg	2280		109	80-120			
Arsenic	2540	50.0	ug/kg	2280		112	80-120			
Barium	2410	500	ug/kg	2280		106	80-120			
Beryllium	2340	50.0	ug/kg	2280		103	80-120			
Cadmium	2460	50.0	ug/kg	2280		108	80-120			
Chromium	2470	50.0	ug/kg	2280		109	80-120			

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Submitted To: Tom Raymond

Date Issued: 3/4/2024 4:56:21PM

Metals (Total) by EPA 6000/7000 Series Methods - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0720 - SW3050B-ICPMS										
LCS (BHB0720-BS1)				Prepared: 02/19/2024 Analyzed: 02/21/2024						
Cobalt	2410	50.0	ug/kg	2280		106	80-120			
Copper	2410	50.0	ug/kg	2280		106	80-120			
Lead	2490	50.0	ug/kg	2280		109	80-120			
Nickel	2420	50.0	ug/kg	2280		106	80-120			
Silver	475	2.50	ug/kg	456		104	80-120			
Thallium	1560	50.0	ug/kg	2280		68.6	80-120			*L*
Vanadium	2440	250	ug/kg	2280		107	80-120			
Manganese	2510	50.0	ug/kg	2280		110	80-120			
Zinc	2660	250	ug/kg	2280		117	80-120			
Matrix Spike (BHB0720-MS1)	**Source: 24B0963-25**			Prepared: 02/19/2024 Analyzed: 02/21/2024						
Antimony	986	59.1	ug/kg	2950	231	25.5	75-125			*M*
Arsenic	5320	59.1	ug/kg	2950	2760	86.5	75-125			
Barium	112000	591	ug/kg	2950	110000	86.1	75-125			
Beryllium	3380	59.1	ug/kg	2950	553	95.7	75-125			
Cadmium	3290	59.1	ug/kg	2950	120	107	75-125			
Zinc	60800	295	ug/kg	2950	57500	112	75-125			
Vanadium	94700	295	ug/kg	2950	88700	201	75-125			*M*
Thallium	2610	59.1	ug/kg	2950	111	84.6	75-125			
Chromium	53900	59.1	ug/kg	2950	35100	638	75-125			*M*
Selenium	4170	59.1	ug/kg	2950	1730	82.8	75-125			
Nickel	14100	59.1	ug/kg	2950	11000	105	75-125			
Lead	30800	59.1	ug/kg	2950	25200	189	75-125			*M*
Copper	36500	59.1	ug/kg	2950	32900	123	75-125			
Cobalt	17800	59.1	ug/kg	2950	16200	54.6	75-125			*M*

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Metals (Total) by EPA 6000/7000 Series Methods - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0720 - SW3050B-ICPMS										
Matrix Spike (BHB0720-MS1)	**Source: 24B0963-25**			Prepared: 02/19/2024 Analyzed: 02/21/2024						
Silver	652	2.95	ug/kg	591	78.1	97.2	75-125			
Matrix Spike (BHB0720-MS2)	**Source: 24B0963-25RE1**			Prepared: 02/19/2024 Analyzed: 02/21/2024						
Manganese	893000	591	ug/kg	2950	875000	606	75-125			*M2, E*
Matrix Spike Dup (BHB0720-MSD1)	**Source: 24B0963-25**			Prepared: 02/19/2024 Analyzed: 02/21/2024						
Lead	29700	58.0	ug/kg	2900	25200	153	75-125	3.82	20	*M*
Selenium	4140	58.0	ug/kg	2900	1730	83.2	75-125	0.833	20	
Thallium	2520	58.0	ug/kg	2900	111	83.0	75-125	3.60	20	
Vanadium	92700	290	ug/kg	2900	88700	139	75-125	2.05	20	*M*
Zinc	60700	290	ug/kg	2900	57500	111	75-125	0.160	20	
Antimony	908	58.0	ug/kg	2900	231	23.3	75-125	8.26	20	*M*
Nickel	14900	58.0	ug/kg	2900	11000	133	75-125	5.28	20	*M*
Copper	34900	58.0	ug/kg	2900	32900	70.0	75-125	4.46	20	*M*
Chromium	39500	58.0	ug/kg	2900	35100	153	75-125	30.9	20	*M*
Cobalt	19500	58.0	ug/kg	2900	16200	112	75-125	8.76	20	
Cadmium	3140	58.0	ug/kg	2900	120	104	75-125	4.47	20	
Silver	640	2.90	ug/kg	580	78.1	96.9	75-125	1.95	20	
Beryllium	3270	58.0	ug/kg	2900	553	93.8	75-125	3.31	20	
Barium	113000	580	ug/kg	2900	110000	103	75-125	0.382	20	
Arsenic	5390	58.0	ug/kg	2900	2760	90.6	75-125	1.32	20	
Matrix Spike Dup (BHB0720-MSD2)	**Source: 24B0963-25RE1**			Prepared: 02/19/2024 Analyzed: 02/21/2024						
Manganese	897000	580	ug/kg	2900	875000	780	75-125	0.526	20	*M2, E*
Batch BHB0757 - SW7471B										
Blank (BHB0757-BLK1)				Prepared & Analyzed: 02/21/2024						

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Metals (Total) by EPA 6000/7000 Series Methods - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0757 - SW7471B										
Blank (BHB0757-BLK1)				Prepared & Analyzed: 02/21/2024						
Mercury	ND	0.008	mg/kg							
LCS (BHB0757-BS1)				Prepared & Analyzed: 02/21/2024						
Mercury	0.108	0.008	mg/kg	0.100		108	80-120			
Matrix Spike (BHB0757-MS1)	**Source: 24B0796-02**			Prepared & Analyzed: 02/21/2024						
Mercury	0.208	0.010	mg/kg	0.127	0.061	116	80-120			
Matrix Spike Dup (BHB0757-MSD1)	**Source: 24B0796-02**			Prepared & Analyzed: 02/21/2024						
Mercury	0.202	0.010	mg/kg	0.129	0.061	109	80-120	2.92	20	
Batch BHB0758 - SW7471B										
Blank (BHB0758-BLK1)				Prepared & Analyzed: 02/21/2024						
Mercury	ND	0.008	mg/kg							
LCS (BHB0758-BS1)				Prepared & Analyzed: 02/21/2024						
Mercury	0.092	0.008	mg/kg	0.0984		93.0	80-120			
Matrix Spike (BHB0758-MS1)	**Source: 24B0963-24**			Prepared & Analyzed: 02/21/2024						
Mercury	0.179	0.010	mg/kg	0.120	0.043	113	80-120			
Matrix Spike Dup (BHB0758-MSD1)	**Source: 24B0963-24**			Prepared & Analyzed: 02/21/2024						
Mercury	0.176	0.010	mg/kg	0.121	0.043	110	80-120	1.58	20	

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0629 - SW5030B-MS										
Blank (BHB0629-BLK1)				Prepared & Analyzed: 02/15/2024						
1,1,1,2-Tetrachloroethane	ND	0.40	ug/L							
1,1,1-Trichloroethane	ND	1.00	ug/L							
1,1,2,2-Tetrachloroethane	ND	0.40	ug/L							
1,1,2-Trichloroethane	ND	1.00	ug/L							
1,1-Dichloroethane	ND	1.00	ug/L							
1,1-Dichloroethylene	ND	1.00	ug/L							
1,1-Dichloropropene	ND	1.00	ug/L							
1,2,3-Trichlorobenzene	ND	1.00	ug/L							
1,2,3-Trichloropropane	ND	1.00	ug/L							
1,2,4-Trichlorobenzene	ND	1.00	ug/L							
1,2,4-Trimethylbenzene	ND	1.00	ug/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.00	ug/L							
1,2-Dibromoethane (EDB)	ND	1.00	ug/L							
1,2-Dichlorobenzene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	1.00	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
1,3,5-Trimethylbenzene	ND	1.00	ug/L							
1,3-Dichlorobenzene	ND	1.00	ug/L							
1,3-Dichloropropane	ND	1.00	ug/L							
1,4-Dichlorobenzene	ND	1.00	ug/L							
1,4-Dioxane	ND	80.0	ug/L							
2,2-Dichloropropane	ND	1.00	ug/L							
2-Butanone (MEK)	ND	10.0	ug/L							
2-Chloroethyl vinyl ether	ND	10.0	ug/L							
2-Chlorotoluene	ND	1.00	ug/L							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0629 - SW5030B-MS										
Blank (BHB0629-BLK1)				Prepared & Analyzed: 02/15/2024						
2-Hexanone (MBK)	ND	5.00	ug/L							
4-Chlorotoluene	ND	1.00	ug/L							
4-Isopropyltoluene	ND	1.00	ug/L							
4-Methyl-2-pentanone (MIBK)	ND	5.00	ug/L							
Acetone	ND	10.0	ug/L							
Acetonitrile	ND	10.0	ug/L							
Acrolein	ND	10.0	ug/L							
Acrylonitrile	ND	5.00	ug/L							
Allyl chloride	ND	1.00	ug/L							
Benzene	ND	1.00	ug/L							
Bromobenzene	ND	1.00	ug/L							
Bromochloromethane	ND	1.00	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	1.00	ug/L							
Bromomethane	ND	1.00	ug/L							
Carbon disulfide	ND	10.0	ug/L							
Carbon tetrachloride	ND	1.00	ug/L							
Chlorobenzene	ND	1.00	ug/L							
Chloroethane	ND	1.00	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.00	ug/L							
Chloroprene	ND	5.00	ug/L							
cis-1,2-Dichloroethylene	ND	1.00	ug/L							
cis-1,3-Dichloropropene	ND	1.00	ug/L							
Cyclohexane	ND	1.00	ug/L							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0629 - SW5030B-MS										
Blank (BHB0629-BLK1)				Prepared & Analyzed: 02/15/2024						
Dibromochloromethane	ND	0.50	ug/L							
Dibromomethane	ND	1.00	ug/L							
Dichlorodifluoromethane	ND	1.00	ug/L							
Di-isopropyl ether (DIPE)	ND	5.00	ug/L							
Ethanol	ND	80.0	ug/L							
Ethyl methacrylate	ND	5.00	ug/L							
Ethylbenzene	ND	1.00	ug/L							
Ethyl-t-butyl ether (ETBE)	ND	25.0	ug/L							
Hexachlorobutadiene	ND	0.80	ug/L							
Iodomethane	ND	10.0	ug/L							
Isopropylbenzene	ND	1.00	ug/L							
m+p-Xylenes	ND	2.00	ug/L							
Methacrylonitrile	ND	1.50	ug/L							
Methyl acetate	ND	4.00	ug/L							
Methyl cyclohexane	ND	1.00	ug/L							
Methyl methacrylate	ND	2.00	ug/L							
Methylene chloride	ND	4.00	ug/L							
Methyl-t-butyl ether (MTBE)	ND	1.00	ug/L							
Naphthalene	ND	1.00	ug/L							
n-Butylbenzene	ND	1.00	ug/L							
n-Propylbenzene	ND	1.00	ug/L							
o-Xylene	ND	1.00	ug/L							
Pentachloroethane	ND	10.0	ug/L							
Propionitrile	ND	40.0	ug/L							
sec-Butylbenzene	ND	1.00	ug/L							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0629 - SW5030B-MS										
Blank (BHB0629-BLK1)				Prepared & Analyzed: 02/15/2024						
Styrene	ND	1.00	ug/L							
TAEE	ND	5.00	ug/L							
TAME	ND	5.00	ug/L							
TBA	ND	100	ug/L							
tert-Butylbenzene	ND	1.00	ug/L							
Tetrachloroethylene (PCE)	ND	1.00	ug/L							
Toluene	ND	1.00	ug/L							
trans-1,2-Dichloroethylene	ND	1.00	ug/L							
trans-1,3-Dichloropropene	ND	1.00	ug/L							
trans-1,4-Dichloro-2-butene	ND	4.00	ug/L							
Trichloroethylene	ND	1.00	ug/L							
Trichlorofluoromethane	ND	1.00	ug/L							
Vinyl acetate	ND	10.0	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Xylenes, Total	ND	3.00	ug/L							
Diethyl ether	ND	5.00	ug/L							
Surr: 1,2-Dichloroethane-d4 (Surr)	*45.0*		ug/L	*50.0*		*90.0*	*70-120*			
Surr: 4-Bromofluorobenzene (Surr)	*50.6*		ug/L	*50.0*		*101*	*75-120*			
Surr: Dibromofluoromethane (Surr)	*44.2*		ug/L	*50.0*		*88.3*	*70-130*			
Surr: Toluene-d8 (Surr)	*49.4*		ug/L	*50.0*		*98.7*	*70-130*			
LCS (BHB0629-BS1)				Prepared & Analyzed: 02/15/2024						
1,1,1,2-Tetrachloroethane	51.8	0.4	ug/L	50.0		104	80-130			
1,1,1-Trichloroethane	45.0	1	ug/L	50.0		89.9	65-130			
1,1,2,2-Tetrachloroethane	50.8	0.4	ug/L	50.0		102	65-130			

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Batch BHB0629 - SW5030B-MS										
LCS (BHB0629-BS1)				Prepared & Analyzed: 02/15/2024						
1,1,2-Trichloroethane	51.9	1	ug/L	50.0		104	75-125			
1,1-Dichloroethane	47.1	1	ug/L	50.0		94.2	70-135			
1,1-Dichloroethylene	47.2	1	ug/L	50.0		94.4	70-130			
1,1-Dichloropropene	48.2	1	ug/L	50.0		96.3	75-135			
1,2,3-Trichlorobenzene	52.0	1	ug/L	50.0		104	55-140			
1,2,3-Trichloropropane	48.4	1	ug/L	50.0		96.9	75-125			
1,2,4-Trichlorobenzene	53.1	1	ug/L	50.0		106	65-135			
1,2,4-Trimethylbenzene	54.9	1	ug/L	50.0		110	75-130			
1,2-Dibromo-3-chloropropane (DBCP)	48.8	1	ug/L	50.0		97.5	50-130			
1,2-Dibromoethane (EDB)	50.6	1	ug/L	50.0		101	80-120			
1,2-Dichlorobenzene	52.4	0.5	ug/L	50.0		105	70-120			
1,2-Dichloroethane	40.9	1	ug/L	50.0		81.9	70-130			
1,2-Dichloropropane	50.2	0.5	ug/L	50.0		100	75-125			
1,3,5-Trimethylbenzene	52.1	1	ug/L	50.0		104	75-125			
1,3-Dichlorobenzene	52.9	1	ug/L	50.0		106	75-125			
1,3-Dichloropropane	47.6	1	ug/L	50.0		95.3	75-125			
1,4-Dichlorobenzene	51.4	1	ug/L	50.0		103	75-125			
2,2-Dichloropropane	49.9	1	ug/L	50.0		99.7	70-135			
2-Butanone (MEK)	38.8	10	ug/L	50.0		77.6	30-150			
2-Chlorotoluene	53.9	1	ug/L	50.0		108	75-125			
2-Hexanone (MBK)	43.1	5	ug/L	50.0		86.2	55-130			
4-Chlorotoluene	53.3	1	ug/L	50.0		107	75-130			
4-Isopropyltoluene	57.2	1	ug/L	50.0		114	75-130			
4-Methyl-2-pentanone (MIBK)	43.5	5	ug/L	50.0		87.1	60-135			
Acetone	37.1	10	ug/L	50.0		74.3	40-140			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0629 - SW5030B-MS										
LCS (BHB0629-BS1)				Prepared & Analyzed: 02/15/2024						
Benzene	52.1	1	ug/L	50.0		104	80-120			
Bromobenzene	52.7	1	ug/L	50.0		105	75-125			
Bromochloromethane	43.3	1	ug/L	50.0		86.6	65-130			
Bromodichloromethane	49.3	0.5	ug/L	50.0		98.6	75-120			
Bromoform	54.3	1	ug/L	50.0		109	70-130			
Bromomethane	35.9	1	ug/L	50.0		71.8	30-145			
Carbon disulfide	37.5	10	ug/L	50.0		75.0	35-160			
Carbon tetrachloride	57.0	1	ug/L	50.0		114	65-140			
Chlorobenzene	52.0	1	ug/L	50.0		104	80-120			
Chloroethane	46.6	1	ug/L	50.0		93.2	60-135			
Chloroform	45.4	0.5	ug/L	50.0		90.8	65-135			
Chloromethane	40.3	1	ug/L	50.0		80.6	40-125			
cis-1,2-Dichloroethylene	43.5	1	ug/L	50.0		87.0	70-125			
cis-1,3-Dichloropropene	47.4	1	ug/L	50.0		94.7	70-130			
Dibromochloromethane	49.8	0.5	ug/L	50.0		99.6	60-135			
Dibromomethane	46.9	1	ug/L	50.0		93.9	75-125			
Dichlorodifluoromethane	54.0	1	ug/L	50.0		108	30-155			
Ethylbenzene	55.2	1	ug/L	50.0		110	75-125			
Hexachlorobutadiene	53.9	0.8	ug/L	50.0		108	50-140			
Isopropylbenzene	50.5	1	ug/L	50.0		101	75-125			
m+p-Xylenes	105	2	ug/L	100		105	75-130			
Methylene chloride	39.1	4	ug/L	50.0		78.3	55-140			
Methyl-t-butyl ether (MTBE)	43.1	1	ug/L	50.0		86.2	65-125			
Naphthalene	50.1	1	ug/L	50.0		100	55-140			
n-Butylbenzene	55.7	1	ug/L	50.0		111	70-135			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0629 - SW5030B-MS										
LCS (BHB0629-BS1)				Prepared & Analyzed: 02/15/2024						
n-Propylbenzene	54.6	1	ug/L	50.0		109	70-130			
o-Xylene	51.4	1	ug/L	50.0		103	80-120			
sec-Butylbenzene	58.6	1	ug/L	50.0		117	70-125			
Styrene	51.6	1	ug/L	50.0		103	65-135			
tert-Butylbenzene	55.3	1	ug/L	50.0		111	70-130			
Tetrachloroethylene (PCE)	55.2	1	ug/L	50.0		110	45-150			
Toluene	52.1	1	ug/L	50.0		104	75-120			
trans-1,2-Dichloroethylene	44.2	1	ug/L	50.0		88.4	60-140			
trans-1,3-Dichloropropene	51.3	1	ug/L	50.0		103	55-140			
Trichloroethylene	50.0	1	ug/L	50.0		100	70-125			
Trichlorofluoromethane	52.6	1	ug/L	50.0		105	60-145			
Vinyl chloride	46.6	0.5	ug/L	50.0		93.2	50-145			
Surr: 1,2-Dichloroethane-d4 (Surr)	*41.6*		ug/L	*50.0*		*83.1*	*70-120*			
Surr: 4-Bromofluorobenzene (Surr)	*49.6*		ug/L	*50.0*		*99.3*	*75-120*			
Surr: Dibromofluoromethane (Surr)	*43.4*		ug/L	*50.0*		*86.9*	*70-130*			
Surr: Toluene-d8 (Surr)	*48.9*		ug/L	*50.0*		*97.8*	*70-130*			
Matrix Spike (BHB0629-MS1)	**Source: 24B0684-01**			Prepared & Analyzed: 02/15/2024						
1,1,1,2-Tetrachloroethane	52.1	0.4	ug/L	50.0	BLOD	104	80-130			
1,1,1-Trichloroethane	47.2	1	ug/L	50.0	BLOD	94.3	65-130			
1,1,2,2-Tetrachloroethane	51.7	0.4	ug/L	50.0	BLOD	103	65-130			
1,1,2-Trichloroethane	53.6	1	ug/L	50.0	BLOD	107	75-125			
1,1-Dichloroethane	49.1	1	ug/L	50.0	BLOD	98.3	70-135			
1,1-Dichloroethylene	49.6	1	ug/L	50.0	BLOD	99.2	50-145			
1,1-Dichloropropene	49.8	1	ug/L	50.0	BLOD	99.6	75-135			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0629 - SW5030B-MS										
Matrix Spike (BHB0629-MS1)	**Source: 24B0684-01**			Prepared & Analyzed: 02/15/2024						
1,2,3-Trichlorobenzene	55.0	1	ug/L	50.0	BLOD	110	55-140			
1,2,3-Trichloropropane	49.5	1	ug/L	50.0	BLOD	99.1	75-125			
1,2,4-Trichlorobenzene	54.2	1	ug/L	50.0	BLOD	108	65-135			
1,2,4-Trimethylbenzene	54.4	1	ug/L	50.0	BLOD	109	75-130			
1,2-Dibromo-3-chloropropane (DBCP)	49.9	1	ug/L	50.0	BLOD	99.9	50-130			
1,2-Dibromoethane (EDB)	51.5	1	ug/L	50.0	BLOD	103	80-120			
1,2-Dichlorobenzene	53.3	0.5	ug/L	50.0	BLOD	107	70-120			
1,2-Dichloroethane	43.1	1	ug/L	50.0	BLOD	86.2	70-130			
1,2-Dichloropropane	51.7	0.5	ug/L	50.0	BLOD	103	75-125			
1,3,5-Trimethylbenzene	53.4	1	ug/L	50.0	BLOD	107	75-124			
1,3-Dichlorobenzene	53.6	1	ug/L	50.0	BLOD	107	75-125			
1,3-Dichloropropane	49.8	1	ug/L	50.0	BLOD	99.7	75-125			
1,4-Dichlorobenzene	52.3	1	ug/L	50.0	BLOD	105	75-125			
2,2-Dichloropropane	51.5	1	ug/L	50.0	BLOD	103	70-135			
2-Butanone (MEK)	38.5	10	ug/L	50.0	BLOD	77.0	30-150			
2-Chlorotoluene	52.8	1	ug/L	50.0	BLOD	106	75-125			
2-Hexanone (MBK)	46.9	5	ug/L	50.0	BLOD	93.9	55-130			
4-Chlorotoluene	53.4	1	ug/L	50.0	BLOD	107	75-130			
4-Isopropyltoluene	56.9	1	ug/L	50.0	BLOD	114	75-130			
4-Methyl-2-pentanone (MIBK)	47.2	5	ug/L	50.0	BLOD	94.4	60-135			
Acetone	39.9	10	ug/L	50.0	BLOD	79.8	40-140			
Benzene	53.4	1	ug/L	50.0	BLOD	107	80-120			
Bromobenzene	53.9	1	ug/L	50.0	BLOD	108	75-125			
Bromochloromethane	44.8	1	ug/L	50.0	BLOD	89.5	65-130			
Bromodichloromethane	51.4	0.5	ug/L	50.0	BLOD	103	75-136			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0629 - SW5030B-MS										
Matrix Spike (BHB0629-MS1)	**Source: 24B0684-01**			Prepared & Analyzed: 02/15/2024						
Bromoform	55.9	1	ug/L	50.0	BLOD	112	70-130			
Bromomethane	38.5	1	ug/L	50.0	BLOD	77.0	30-145			
Carbon disulfide	36.1	10	ug/L	50.0	BLOD	72.3	35-160			
Carbon tetrachloride	58.4	1	ug/L	50.0	BLOD	117	65-140			
Chlorobenzene	52.4	1	ug/L	50.0	BLOD	105	80-120			
Chloroethane	47.9	1	ug/L	50.0	BLOD	95.8	60-135			
Chloroform	46.4	0.5	ug/L	50.0	BLOD	92.9	65-135			
Chloromethane	41.8	1	ug/L	50.0	BLOD	83.5	40-125			
cis-1,2-Dichloroethylene	45.4	1	ug/L	50.0	BLOD	90.8	70-125			
cis-1,3-Dichloropropene	48.7	1	ug/L	50.0	BLOD	97.3	47-136			
Dibromochloromethane	52.0	0.5	ug/L	50.0	BLOD	104	60-135			
Dibromomethane	48.0	1	ug/L	50.0	BLOD	95.9	75-125			
Dichlorodifluoromethane	56.2	1	ug/L	50.0	BLOD	112	30-155			
Ethylbenzene	55.8	1	ug/L	50.0	BLOD	112	75-125			
Hexachlorobutadiene	56.9	0.8	ug/L	50.0	BLOD	114	50-140			
Isopropylbenzene	51.2	1	ug/L	50.0	BLOD	102	75-125			
m+p-Xylenes	107	2	ug/L	100	BLOD	107	75-130			
Methylene chloride	40.7	4	ug/L	50.0	BLOD	81.4	55-140			
Methyl-t-butyl ether (MTBE)	45.3	1	ug/L	50.0	BLOD	90.6	65-125			
Naphthalene	54.2	1	ug/L	50.0	BLOD	108	55-140			
n-Butylbenzene	56.6	1	ug/L	50.0	BLOD	113	70-135			
n-Propylbenzene	55.1	1	ug/L	50.0	BLOD	110	70-130			
o-Xylene	52.1	1	ug/L	50.0	BLOD	104	80-120			
sec-Butylbenzene	58.7	1	ug/L	50.0	BLOD	117	70-125			
Styrene	51.7	1	ug/L	50.0	BLOD	103	65-135			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0629 - SW5030B-MS										
Matrix Spike (BHB0629-MS1)	**Source: 24B0684-01**			Prepared & Analyzed: 02/15/2024						
tert-Butylbenzene	54.8	1	ug/L	50.0	BLOD	110	70-130			
Tetrachloroethylene (PCE)	56.3	1	ug/L	50.0	BLOD	113	51-231			
Toluene	52.3	1	ug/L	50.0	BLOD	105	75-120			
trans-1,2-Dichloroethylene	45.8	1	ug/L	50.0	BLOD	91.5	60-140			
trans-1,3-Dichloropropene	53.2	1	ug/L	50.0	BLOD	106	55-140			
Trichloroethylene	50.6	1	ug/L	50.0	BLOD	101	70-125			
Trichlorofluoromethane	54.6	1	ug/L	50.0	BLOD	109	60-145			
Vinyl chloride	49.4	0.5	ug/L	50.0	BLOD	98.8	50-145			
Surr: 1,2-Dichloroethane-d4 (Surr)	*43.9*		ug/L	*50.0*		*87.8*	*70-120*			
Surr: 4-Bromofluorobenzene (Surr)	*49.0*		ug/L	*50.0*		*98.1*	*75-120*			
Surr: Dibromofluoromethane (Surr)	*44.0*		ug/L	*50.0*		*88.0*	*70-130*			
Surr: Toluene-d8 (Surr)	*49.2*		ug/L	*50.0*		*98.4*	*70-130*			
Matrix Spike Dup (BHB0629-MSD1)	**Source: 24B0684-01**			Prepared & Analyzed: 02/15/2024						
1,1,1,2-Tetrachloroethane	50.3	0.4	ug/L	50.0	BLOD	101	80-130	3.50	30	
1,1,1-Trichloroethane	46.0	1	ug/L	50.0	BLOD	92.0	65-130	2.51	30	
1,1,2,2-Tetrachloroethane	50.3	0.4	ug/L	50.0	BLOD	101	65-130	2.80	30	
1,1,2-Trichloroethane	52.3	1	ug/L	50.0	BLOD	105	75-125	2.36	30	
1,1-Dichloroethane	47.2	1	ug/L	50.0	BLOD	94.3	70-135	4.09	30	
1,1-Dichloroethylene	48.2	1	ug/L	50.0	BLOD	96.4	50-145	2.86	30	
1,1-Dichloropropene	48.7	1	ug/L	50.0	BLOD	97.4	75-135	2.25	30	
1,2,3-Trichlorobenzene	56.4	1	ug/L	50.0	BLOD	113	55-140	2.60	30	
1,2,3-Trichloropropane	47.6	1	ug/L	50.0	BLOD	95.3	75-125	3.91	30	
1,2,4-Trichlorobenzene	54.7	1	ug/L	50.0	BLOD	109	65-135	1.03	30	
1,2,4-Trimethylbenzene	54.9	1	ug/L	50.0	BLOD	110	75-130	0.988	30	

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Volatile Organic Compounds by GCMS - Quality Control

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0629 - SW5030B-MS										
Matrix Spike Dup (BHB0629-MSD1)	**Source: 24B0684-01**			Prepared & Analyzed: 02/15/2024						
1,2-Dibromo-3-chloropropane (DBCP)	48.4	1	ug/L	50.0	BLOD	96.7	50-130	3.21	30	
1,2-Dibromoethane (EDB)	49.6	1	ug/L	50.0	BLOD	99.3	80-120	3.60	30	
1,2-Dichlorobenzene	52.9	0.5	ug/L	50.0	BLOD	106	70-120	0.791	30	
1,2-Dichloroethane	41.5	1	ug/L	50.0	BLOD	82.9	70-130	3.83	30	
1,2-Dichloropropane	51.0	0.5	ug/L	50.0	BLOD	102	75-125	1.25	30	
1,3,5-Trimethylbenzene	52.9	1	ug/L	50.0	BLOD	106	75-124	0.809	30	
1,3-Dichlorobenzene	51.7	1	ug/L	50.0	BLOD	103	75-125	3.48	30	
1,3-Dichloropropane	47.7	1	ug/L	50.0	BLOD	95.3	75-125	4.47	30	
1,4-Dichlorobenzene	51.4	1	ug/L	50.0	BLOD	103	75-125	1.81	30	
2,2-Dichloropropane	50.2	1	ug/L	50.0	BLOD	100	70-135	2.60	30	
2-Butanone (MEK)	38.2	10	ug/L	50.0	BLOD	76.5	30-150	0.652	30	
2-Chlorotoluene	53.2	1	ug/L	50.0	BLOD	106	75-125	0.679	30	
2-Hexanone (MBK)	45.8	5	ug/L	50.0	BLOD	91.7	55-130	2.33	30	
4-Chlorotoluene	53.2	1	ug/L	50.0	BLOD	106	75-130	0.356	30	
4-Isopropyltoluene	57.7	1	ug/L	50.0	BLOD	115	75-130	1.34	30	
4-Methyl-2-pentanone (MIBK)	47.7	5	ug/L	50.0	BLOD	95.4	60-135	1.14	30	
Acetone	39.4	10	ug/L	50.0	BLOD	78.8	40-140	1.24	30	
Benzene	53.0	1	ug/L	50.0	BLOD	106	80-120	0.715	30	
Bromobenzene	50.6	1	ug/L	50.0	BLOD	101	75-125	6.39	30	
Bromochloromethane	44.1	1	ug/L	50.0	BLOD	88.1	65-130	1.58	30	
Bromodichloromethane	50.2	0.5	ug/L	50.0	BLOD	100	75-136	2.42	30	
Bromoform	53.9	1	ug/L	50.0	BLOD	108	70-130	3.68	30	
Bromomethane	37.6	1	ug/L	50.0	BLOD	75.2	30-145	2.42	30	
Carbon disulfide	38.6	10	ug/L	50.0	BLOD	77.1	35-160	6.51	30	
Carbon tetrachloride	56.9	1	ug/L	50.0	BLOD	114	65-140	2.67	30	

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0629 - SW5030B-MS										
Matrix Spike Dup (BHB0629-MSD1)	**Source: 24B0684-01**			Prepared & Analyzed: 02/15/2024						
Chlorobenzene	50.6	1	ug/L	50.0	BLOD	101	80-120	3.50	30	
Chloroethane	46.9	1	ug/L	50.0	BLOD	93.7	60-135	2.15	30	
Chloroform	45.6	0.5	ug/L	50.0	BLOD	91.1	65-135	1.91	30	
Chloromethane	43.2	1	ug/L	50.0	BLOD	86.3	40-125	3.32	30	
cis-1,2-Dichloroethylene	44.7	1	ug/L	50.0	BLOD	89.3	70-125	1.67	30	
cis-1,3-Dichloropropene	47.8	1	ug/L	50.0	BLOD	95.7	47-136	1.70	30	
Dibromochloromethane	50.2	0.5	ug/L	50.0	BLOD	100	60-135	3.60	30	
Dibromomethane	47.2	1	ug/L	50.0	BLOD	94.4	75-125	1.62	30	
Dichlorodifluoromethane	53.1	1	ug/L	50.0	BLOD	106	30-155	5.67	30	
Ethylbenzene	54.1	1	ug/L	50.0	BLOD	108	75-125	3.13	30	
Hexachlorobutadiene	53.2	0.8	ug/L	50.0	BLOD	106	50-140	6.70	30	
Isopropylbenzene	49.3	1	ug/L	50.0	BLOD	98.6	75-125	3.86	30	
m+p-Xylenes	104	2	ug/L	100	BLOD	104	75-130	3.06	30	
Methylene chloride	39.3	4	ug/L	50.0	BLOD	78.6	55-140	3.48	30	
Methyl-t-butyl ether (MTBE)	43.4	1	ug/L	50.0	BLOD	86.7	65-125	4.33	30	
Naphthalene	54.4	1	ug/L	50.0	BLOD	109	55-140	0.276	30	
n-Butylbenzene	56.3	1	ug/L	50.0	BLOD	113	70-135	0.602	30	
n-Propylbenzene	54.8	1	ug/L	50.0	BLOD	110	70-130	0.473	30	
o-Xylene	50.6	1	ug/L	50.0	BLOD	101	80-120	2.78	30	
sec-Butylbenzene	58.0	1	ug/L	50.0	BLOD	116	70-125	1.29	30	
Styrene	50.6	1	ug/L	50.0	BLOD	101	65-135	2.25	30	
tert-Butylbenzene	54.8	1	ug/L	50.0	BLOD	110	70-130	0.0912	30	
Tetrachloroethylene (PCE)	54.2	1	ug/L	50.0	BLOD	108	51-231	3.86	30	
Toluene	51.3	1	ug/L	50.0	BLOD	103	75-120	1.85	30	
trans-1,2-Dichloroethylene	44.3	1	ug/L	50.0	BLOD	88.5	60-140	3.33	30	

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0629 - SW5030B-MS										
Matrix Spike Dup (BHB0629-MSD1)	**Source: 24B0684-01**			Prepared & Analyzed: 02/15/2024						
trans-1,3-Dichloropropene	52.0	1	ug/L	50.0	BLOD	104	55-140	2.26	30	
Trichloroethylene	50.0	1	ug/L	50.0	BLOD	99.9	70-125	1.29	30	
Trichlorofluoromethane	52.4	1	ug/L	50.0	BLOD	105	60-145	4.02	30	
Vinyl chloride	47.5	0.5	ug/L	50.0	BLOD	94.9	50-145	3.96	30	
Surr: 1,2-Dichloroethane-d4 (Surr)	*44.7*		ug/L	*50.0*		*89.4*	*70-120*			
Surr: 4-Bromofluorobenzene (Surr)	*49.2*		ug/L	*50.0*		*98.5*	*75-120*			
Surr: Dibromofluoromethane (Surr)	*44.5*		ug/L	*50.0*		*89.1*	*70-130*			
Surr: Toluene-d8 (Surr)	*49.6*		ug/L	*50.0*		*99.2*	*70-130*			
Batch BHB0641 - SW5035-MS										
Blank (BHB0641-BLK1)				Prepared & Analyzed: 02/15/2024						
1,1,1,2-Tetrachloroethane	ND	5.00	ug/kg							
1,1,1-Trichloroethane	ND	5.00	ug/kg							
1,1,2,2-Tetrachloroethane	ND	5.00	ug/kg							
1,1,2-Trichloroethane	ND	5.00	ug/kg							
1,1-Dichloroethane	ND	5.00	ug/kg							
1,1-Dichloroethylene	ND	5.00	ug/kg							
1,1-Dichloropropene	ND	5.00	ug/kg							
1,2,3-Trichlorobenzene	ND	5.00	ug/kg							
1,2,3-Trichloropropane	ND	5.00	ug/kg							
1,2,4-Trichlorobenzene	ND	5.00	ug/kg							
1,2,4-Trimethylbenzene	ND	5.00	ug/kg							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.00	ug/kg							
1,2-Dibromoethane (EDB)	ND	5.00	ug/kg							
1,2-Dichlorobenzene	ND	5.00	ug/kg							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0641 - SW5035-MS										
Blank (BHB0641-BLK1)				Prepared & Analyzed: 02/15/2024						
1,2-Dichloroethane	ND	5.00	ug/kg							
1,2-Dichloropropane	ND	5.00	ug/kg							
1,3,5-Trimethylbenzene	ND	5.00	ug/kg							
1,3-Dichlorobenzene	ND	5.00	ug/kg							
1,3-Dichloropropane	ND	5.00	ug/kg							
1,4-Dichlorobenzene	ND	5.00	ug/kg							
2,2-Dichloropropane	ND	5.00	ug/kg							
2-Butanone (MEK)	ND	5.00	ug/kg							
2-Chlorotoluene	ND	5.00	ug/kg							
2-Hexanone (MBK)	ND	5.00	ug/kg							
4-Chlorotoluene	ND	5.00	ug/kg							
4-Isopropyltoluene	ND	5.00	ug/kg							
4-Methyl-2-pentanone (MIBK)	ND	5.00	ug/kg							
Acetone	ND	10.0	ug/kg							
Benzene	ND	5.00	ug/kg							
Bromobenzene	ND	5.00	ug/kg							
Bromochloromethane	ND	5.00	ug/kg							
Bromodichloromethane	ND	5.00	ug/kg							
Bromoform	ND	5.00	ug/kg							
Bromomethane	ND	5.00	ug/kg							
Carbon disulfide	ND	5.00	ug/kg							
Carbon tetrachloride	ND	5.00	ug/kg							
Chlorobenzene	ND	5.00	ug/kg							
Chloroethane	ND	5.00	ug/kg							
Chloroform	ND	5.00	ug/kg							

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Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 3/4/2024 4:56:21PM

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0641 - SW5035-MS										
Blank (BHB0641-BLK1)				Prepared & Analyzed: 02/15/2024						
Chloromethane	ND	5.00	ug/kg							
cis-1,2-Dichloroethylene	ND	5.00	ug/kg							
cis-1,3-Dichloropropene	ND	5.00	ug/kg							
Dibromochloromethane	ND	5.00	ug/kg							
Dibromomethane	ND	5.00	ug/kg							
Dichlorodifluoromethane	ND	5.00	ug/kg							
Di-isopropyl ether (DIPE)	ND	5.00	ug/kg							
Ethylbenzene	ND	5.00	ug/kg							
Hexachlorobutadiene	ND	5.00	ug/kg							
Iodomethane	ND	10.0	ug/kg							
Isopropylbenzene	ND	5.00	ug/kg							
m+p-Xylenes	ND	5.00	ug/kg							
Methylene chloride	ND	5.00	ug/kg							
Methyl-t-butyl ether (MTBE)	ND	5.00	ug/kg							
Naphthalene	ND	5.00	ug/kg							
n-Butylbenzene	ND	5.00	ug/kg							
n-Propylbenzene	ND	5.00	ug/kg							
o-Xylene	ND	5.00	ug/kg							
sec-Butylbenzene	ND	5.00	ug/kg							
Styrene	ND	5.00	ug/kg							
tert-Butylbenzene	ND	5.00	ug/kg							
Tetrachloroethylene (PCE)	ND	5.00	ug/kg							
Toluene	ND	5.00	ug/kg							
trans-1,2-Dichloroethylene	ND	5.00	ug/kg							
trans-1,3-Dichloropropene	ND	5.00	ug/kg							

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0641 - SW5035-MS										
Blank (BHB0641-BLK1)				Prepared & Analyzed: 02/15/2024						
Trichloroethylene	ND	5.00	ug/kg							
Trichlorofluoromethane	ND	5.00	ug/kg							
Vinyl acetate	ND	10.0	ug/kg							
Vinyl chloride	ND	5.00	ug/kg							
Xylenes, Total	ND	15.0	ug/kg							
Surr: 1,2-Dichloroethane-d4 (Surr)	*46.2*		ug/kg	*50.0*		*92.4*	*80-120*			
Surr: 4-Bromofluorobenzene (Surr)	*51.0*		ug/kg	*50.0*		*102*	*85-120*			
Surr: Dibromofluoromethane (Surr)	*45.9*		ug/kg	*50.0*		*91.8*	*80-130*			
Surr: Toluene-d8 (Surr)	*50.3*		ug/kg	*50.0*		*101*	*85-115*			
LCS (BHB0641-BS1)				Prepared & Analyzed: 02/15/2024						
1,1,1,2-Tetrachloroethane	49.3	5	ug/kg	50.0		98.6	85-132			
1,1,1-Trichloroethane	48.5	5	ug/kg	50.0		96.9	70-135			
1,1,2,2-Tetrachloroethane	48.3	5	ug/kg	50.0		96.5	55-130			
1,1,2-Trichloroethane	48.2	5	ug/kg	50.0		96.4	60-125			
1,1-Dichloroethane	45.1	5	ug/kg	50.0		90.1	70-136			
1,1-Dichloroethylene	41.9	5	ug/kg	50.0		83.9	65-135			
1,1-Dichloropropene	45.8	5	ug/kg	50.0		91.5	70-135			
1,2,3-Trichlorobenzene	52.3	5	ug/kg	50.0		105	60-135			
1,2,3-Trichloropropane	48.9	5	ug/kg	50.0		97.8	65-130			
1,2,4-Trichlorobenzene	50.8	5	ug/kg	50.0		102	65-130			
1,2,4-Trimethylbenzene	57.2	5	ug/kg	50.0		114	65-135			
1,2-Dibromo-3-chloropropane (DBCP)	47.3	5	ug/kg	50.0		94.6	40-135			
1,2-Dibromoethane (EDB)	50.4	5	ug/kg	50.0		101	70-125			
1,2-Dichlorobenzene	52.1	5	ug/kg	50.0		104	75-120			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0641 - SW5035-MS										
LCS (BHB0641-BS1)				Prepared & Analyzed: 02/15/2024						
1,2-Dichloroethane	46.0	5	ug/kg	50.0		92.0	70-135			
1,2-Dichloropropane	49.6	5	ug/kg	50.0		99.1	70-120			
1,3,5-Trimethylbenzene	54.9	5	ug/kg	50.0		110	65-135			
1,3-Dichlorobenzene	52.8	5	ug/kg	50.0		106	70-125			
1,3-Dichloropropane	48.6	5	ug/kg	50.0		97.1	75-125			
1,4-Dichlorobenzene	50.8	5	ug/kg	50.0		102	70-125			
2,2-Dichloropropane	46.0	5	ug/kg	50.0		91.9	65-135			
2-Butanone (MEK)	38.0	5	ug/kg	50.0		75.9	30-160			
2-Chlorotoluene	51.1	5	ug/kg	50.0		102	70-130			
2-Hexanone (MBK)	44.9	5	ug/kg	50.0		89.8	45-145			
4-Chlorotoluene	49.6	5	ug/kg	50.0		99.2	75-125			
4-Isopropyltoluene	57.1	5	ug/kg	50.0		114	75-135			
4-Methyl-2-pentanone (MIBK)	45.3	5	ug/kg	50.0		90.7	45-145			
Acetone	34.8	10	ug/kg	50.0		69.5	20-160			
Benzene	47.9	5	ug/kg	50.0		95.7	75-125			
Bromobenzene	50.2	5	ug/kg	50.0		100	65-120			
Bromochloromethane	42.3	5	ug/kg	50.0		84.7	70-125			
Bromodichloromethane	50.5	5	ug/kg	50.0		101	70-130			
Bromoform	46.8	5	ug/kg	50.0		93.5	55-135			
Bromomethane	43.9	5	ug/kg	50.0		87.8	30-160			
Carbon disulfide	36.8	5	ug/kg	50.0		73.7	45-160			
Carbon tetrachloride	46.0	5	ug/kg	50.0		91.9	65-135			
Chlorobenzene	50.2	5	ug/kg	50.0		100	75-125			
Chloroethane	45.4	5	ug/kg	50.0		90.9	40-155			
Chloroform	45.8	5	ug/kg	50.0		91.6	70-125			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0641 - SW5035-MS										
LCS (BHB0641-BS1)				Prepared & Analyzed: 02/15/2024						
Chloromethane	50.5	5	ug/kg	50.0		101	50-130			
cis-1,2-Dichloroethylene	43.6	5	ug/kg	50.0		87.1	65-125			
cis-1,3-Dichloropropene	47.1	5	ug/kg	50.0		94.1	70-125			
Dibromochloromethane	45.5	5	ug/kg	50.0		91.1	65-130			
Dibromomethane	50.5	5	ug/kg	50.0		101	75-130			
Dichlorodifluoromethane	81.0	5	ug/kg	50.0		162	35-135			*L*
Ethylbenzene	52.4	5	ug/kg	50.0		105	75-125			
Hexachlorobutadiene	50.9	5	ug/kg	50.0		102	55-140			
Isopropylbenzene	49.0	5	ug/kg	50.0		98.0	75-130			
m+p-Xylenes	100	5	ug/kg	100		100	80-125			
Methylene chloride	41.3	5	ug/kg	50.0		82.6	55-140			
Methyl-t-butyl ether (MTBE)	48.1	5	ug/kg	50.0		96.3	65-125			
Naphthalene	53.5	5	ug/kg	50.0		107	40-125			
n-Butylbenzene	59.2	5	ug/kg	50.0		118	65-140			
n-Propylbenzene	50.0	5	ug/kg	50.0		100	65-135			
o-Xylene	49.6	5	ug/kg	50.0		99.2	75-125			
sec-Butylbenzene	57.5	5	ug/kg	50.0		115	65-130			
Styrene	49.4	5	ug/kg	50.0		98.7	75-125			
tert-Butylbenzene	53.5	5	ug/kg	50.0		107	65-130			
Tetrachloroethylene (PCE)	48.1	5	ug/kg	50.0		96.1	48.1-219			
Toluene	47.3	5	ug/kg	50.0		94.7	70-125			
trans-1,2-Dichloroethylene	41.9	5	ug/kg	50.0		83.7	65-135			
trans-1,3-Dichloropropene	50.1	5	ug/kg	50.0		100	65-125			
Trichloroethylene	46.9	5	ug/kg	50.0		93.8	75-125			
Trichlorofluoromethane	50.6	5	ug/kg	50.0		101	25-185			

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0641 - SW5035-MS										
LCS (BHB0641-BS1)				Prepared & Analyzed: 02/15/2024						
Vinyl chloride	43.9	5	ug/kg	50.0		87.8	60-125			
Surr: 1,2-Dichloroethane-d4 (Surr)	*47.9*		ug/kg	*50.0*		*95.9*	*80-120*			
Surr: 4-Bromofluorobenzene (Surr)	*49.0*		ug/kg	*50.0*		*98.0*	*85-120*			
Surr: Dibromofluoromethane (Surr)	*44.9*		ug/kg	*50.0*		*89.7*	*80-130*			
Surr: Toluene-d8 (Surr)	*48.4*		ug/kg	*50.0*		*96.9*	*85-115*			
Duplicate (BHB0641-DUP1)	**Source: 24B0796-01**			Prepared & Analyzed: 02/15/2024						
1,1,1,2-Tetrachloroethane	ND	5.00	ug/kg		BLOD			NA	30	
1,1,1-Trichloroethane	ND	5.00	ug/kg		BLOD			NA	30	
1,1,2,2-Tetrachloroethane	ND	5.00	ug/kg		BLOD			NA	30	
1,1,2-Trichloroethane	ND	5.00	ug/kg		BLOD			NA	30	
1,1-Dichloroethane	ND	5.00	ug/kg		BLOD			NA	30	
1,1-Dichloroethylene	ND	5.00	ug/kg		BLOD			NA	30	
1,1-Dichloropropene	ND	5.00	ug/kg		BLOD			NA	30	
1,2,3-Trichlorobenzene	ND	5.00	ug/kg		BLOD			NA	30	
1,2,3-Trichloropropane	ND	5.00	ug/kg		BLOD			NA	30	
1,2,4-Trichlorobenzene	ND	5.00	ug/kg		BLOD			NA	30	
1,2,4-Trimethylbenzene	ND	5.00	ug/kg		BLOD			NA	30	
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.00	ug/kg		BLOD			NA	30	
1,2-Dibromoethane (EDB)	ND	5.00	ug/kg		BLOD			NA	30	
1,2-Dichlorobenzene	ND	5.00	ug/kg		BLOD			NA	30	
1,2-Dichloroethane	ND	5.00	ug/kg		BLOD			NA	30	
1,2-Dichloropropane	ND	5.00	ug/kg		BLOD			NA	30	
1,3,5-Trimethylbenzene	ND	5.00	ug/kg		BLOD			NA	30	
1,3-Dichlorobenzene	ND	5.00	ug/kg		BLOD			NA	30	

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0641 - SW5035-MS										
Duplicate (BHB0641-DUP1)	**Source: 24B0796-01**			Prepared & Analyzed: 02/15/2024						
1,3-Dichloropropane	ND	5.00	ug/kg		BLOD			NA	30	
1,4-Dichlorobenzene	ND	5.00	ug/kg		BLOD			NA	30	
2,2-Dichloropropane	ND	5.00	ug/kg		BLOD			NA	30	
2-Butanone (MEK)	ND	5.00	ug/kg		BLOD			NA	30	
2-Chlorotoluene	ND	5.00	ug/kg		BLOD			NA	30	
2-Hexanone (MBK)	ND	5.00	ug/kg		BLOD			NA	30	
4-Chlorotoluene	ND	5.00	ug/kg		BLOD			NA	30	
4-Isopropyltoluene	ND	5.00	ug/kg		BLOD			NA	30	
4-Methyl-2-pentanone (MIBK)	ND	5.00	ug/kg		BLOD			NA	30	
Acetone	90.4	10.0	ug/kg		71.6			23.1	30	
Acrylonitrile	ND	5.00	ug/kg		BLOD			NA	30	
Benzene	ND	5.00	ug/kg		BLOD			NA	30	
Bromobenzene	ND	5.00	ug/kg		BLOD			NA	30	
Bromochloromethane	ND	5.00	ug/kg		BLOD			NA	30	
Bromodichloromethane	ND	5.00	ug/kg		BLOD			NA	30	
Bromoform	ND	5.00	ug/kg		BLOD			NA	30	
Bromomethane	ND	5.00	ug/kg		BLOD			NA	30	
Carbon disulfide	ND	5.00	ug/kg		BLOD			NA	30	
Carbon tetrachloride	ND	5.00	ug/kg		BLOD			NA	30	
Chlorobenzene	ND	5.00	ug/kg		BLOD			NA	30	
Chloroethane	ND	5.00	ug/kg		BLOD			NA	30	
Chloroform	ND	5.00	ug/kg		BLOD			NA	30	
Chloromethane	ND	5.00	ug/kg		BLOD			NA	30	
cis-1,2-Dichloroethylene	ND	5.00	ug/kg		BLOD			NA	30	
cis-1,3-Dichloropropene	ND	5.00	ug/kg		BLOD			NA	30	

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Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0641 - SW5035-MS										
Duplicate (BHB0641-DUP1)	**Source: 24B0796-01**			Prepared & Analyzed: 02/15/2024						
Dibromochloromethane	ND	5.00	ug/kg		BLOD			NA	30	
Dibromomethane	ND	5.00	ug/kg		BLOD			NA	30	
Dichlorodifluoromethane	ND	5.00	ug/kg		BLOD			NA	30	
Di-isopropyl ether (DIPE)	ND	5.00	ug/kg		BLOD			NA	30	
Ethylbenzene	ND	5.00	ug/kg		BLOD			NA	30	
Hexachlorobutadiene	ND	5.00	ug/kg		BLOD			NA	30	
Iodomethane	ND	10.0	ug/kg		BLOD			NA	30	
Isopropylbenzene	ND	5.00	ug/kg		BLOD			NA	30	
m+p-Xylenes	ND	5.00	ug/kg		BLOD			NA	30	
Methylene chloride	ND	5.00	ug/kg		BLOD			NA	30	
Methyl-t-butyl ether (MTBE)	ND	5.00	ug/kg		BLOD			NA	30	
Naphthalene	ND	5.00	ug/kg		BLOD			NA	30	
n-Butylbenzene	ND	5.00	ug/kg		BLOD			NA	30	
n-Propylbenzene	ND	5.00	ug/kg		BLOD			NA	30	
o-Xylene	ND	5.00	ug/kg		BLOD			NA	30	
sec-Butylbenzene	ND	5.00	ug/kg		BLOD			NA	30	
Styrene	ND	5.00	ug/kg		BLOD			NA	30	
tert-Butylbenzene	ND	5.00	ug/kg		BLOD			NA	30	
Tetrachloroethylene (PCE)	ND	5.00	ug/kg		BLOD			NA	30	
Toluene	ND	5.00	ug/kg		BLOD			NA	30	
trans-1,2-Dichloroethylene	ND	5.00	ug/kg		BLOD			NA	30	
trans-1,3-Dichloropropene	ND	5.00	ug/kg		BLOD			NA	30	
trans-1,4-Dichloro-2-butene	ND	5.00	ug/kg		BLOD			NA	30	
Trichloroethylene	ND	5.00	ug/kg		BLOD			NA	30	
Trichlorofluoromethane	ND	5.00	ug/kg		BLOD			NA	30	

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Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0641 - SW5035-MS										
Duplicate (BHB0641-DUP1)	**Source: 24B0796-01**			Prepared & Analyzed: 02/15/2024						
Vinyl acetate	ND	10.0	ug/kg		BLOD			NA	30	
Vinyl chloride	ND	5.00	ug/kg		BLOD			NA	30	
Xylenes, Total	ND	15.0	ug/kg		BLOD			NA	30	
Tetrahydrofuran	ND	10.0	ug/kg		BLOD			NA	30	
Diethyl ether	ND	5.00	ug/kg		BLOD			NA	30	
Surr: 1,2-Dichloroethane-d4 (Surr)	*53.3*		ug/kg	*50.0*		*107*	*80-120*			
Surr: 4-Bromofluorobenzene (Surr)	*50.0*		ug/kg	*50.0*		*100*	*85-120*			
Surr: Dibromofluoromethane (Surr)	*48.2*		ug/kg	*50.0*		*96.5*	*80-130*			
Surr: Toluene-d8 (Surr)	*49.8*		ug/kg	*50.0*		*99.6*	*85-115*			

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0672 - SW3550C/EPA600-MS										
Blank (BHB0672-BLK1)				Prepared & Analyzed: 02/16/2024						
1,2,4,5-Tetrachlorobenzene	ND	83.3	ug/kg							
1,2,4-Trichlorobenzene	ND	83.3	ug/kg							
1,2-Dichlorobenzene	ND	83.3	ug/kg							
1,2-Diphenylhydrazine	ND	83.3	ug/kg							
1,3-Dichlorobenzene	ND	83.3	ug/kg							
1,3-Dinitrobenzene	ND	83.3	ug/kg							
1,4-Dichlorobenzene	ND	83.3	ug/kg							
1-Chloronaphthalene	ND	83.3	ug/kg							
1-Naphthylamine	ND	83.3	ug/kg							
2,3,4,6-Tetrachlorophenol	ND	83.3	ug/kg							
2,4,5-Trichlorophenol	ND	83.3	ug/kg							
2,4,6-Trichlorophenol	ND	83.3	ug/kg							
2,4-Dichlorophenol	ND	83.3	ug/kg							
2,4-Dimethylphenol	ND	83.3	ug/kg							
2,4-Dinitrophenol	ND	83.3	ug/kg							
2,4-Dinitrotoluene	ND	83.3	ug/kg							
2,6-Dichlorophenol	ND	83.3	ug/kg							
2,6-Dinitrotoluene	ND	83.3	ug/kg							
2-Chloronaphthalene	ND	83.3	ug/kg							
2-Chlorophenol	ND	83.3	ug/kg							
2-Methylnaphthalene	ND	83.3	ug/kg							
2-Naphthylamine	ND	83.3	ug/kg							
2-Nitroaniline	ND	83.3	ug/kg							
2-Nitrophenol	ND	83.3	ug/kg							
3,3'-Dichlorobenzidine	ND	83.3	ug/kg							

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0672 - SW3550C/EPA600-MS										
Blank (BHB0672-BLK1)				Prepared & Analyzed: 02/16/2024						
3-Methylcholanthrene	ND	83.3	ug/kg							
3-Nitroaniline	ND	83.3	ug/kg							
4,6-Dinitro-2-methylphenol	ND	83.3	ug/kg							
4-Aminobiphenyl	ND	83.3	ug/kg							
4-Bromophenyl phenyl ether	ND	83.3	ug/kg							
4-Chloroaniline	ND	83.3	ug/kg							
4-Chlorophenyl phenyl ether	ND	83.3	ug/kg							
4-Nitroaniline	ND	83.3	ug/kg							
4-Nitrophenol	ND	83.3	ug/kg							
7,12-Dimethylbenz (a) anthracene	ND	83.3	ug/kg							
Acenaphthene	ND	83.3	ug/kg							
Acenaphthylene	ND	83.3	ug/kg							
Acetophenone	ND	83.3	ug/kg							
Aniline	ND	83.3	ug/kg							
Anthracene	ND	83.3	ug/kg							
Benzidine	ND	83.3	ug/kg							
Benzo (a) anthracene	ND	83.3	ug/kg							
Benzo (a) pyrene	ND	83.3	ug/kg							
Benzo (b) fluoranthene	ND	83.3	ug/kg							
Benzo (g,h,i) perylene	ND	83.3	ug/kg							
Benzo (k) fluoranthene	ND	83.3	ug/kg							
Benzoic acid	ND	83.3	ug/kg							
Benzyl alcohol	ND	83.3	ug/kg							
bis (2-Chloroethoxy) methane	ND	83.3	ug/kg							
bis (2-Chloroethyl) ether	ND	83.3	ug/kg							

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0672 - SW3550C/EPA600-MS										
Blank (BHB0672-BLK1)				Prepared & Analyzed: 02/16/2024						
2,2'-Oxybis (1-chloropropane)	ND	83.3	ug/kg							
bis (2-Ethylhexyl) phthalate	ND	83.3	ug/kg							
Butyl benzyl phthalate	ND	83.3	ug/kg							
Chrysene	ND	83.3	ug/kg							
Dibenz (a,h) anthracene	ND	83.3	ug/kg							
Dibenz (a,j) acridine	ND	83.3	ug/kg							
Dibenzofuran	ND	83.3	ug/kg							
Diethyl phthalate	ND	83.3	ug/kg							
Dimethyl phthalate	ND	83.3	ug/kg							
Di-n-butyl phthalate	ND	83.3	ug/kg							
Di-n-octyl phthalate	ND	83.3	ug/kg							
Diphenylamine	ND	83.3	ug/kg							
Ethyl methanesulfonate	ND	83.3	ug/kg							
Fluoranthene	ND	83.3	ug/kg							
Fluorene	ND	83.3	ug/kg							
Hexachlorobenzene	ND	83.3	ug/kg							
Hexachlorobutadiene	ND	83.3	ug/kg							
Hexachlorocyclopentadiene	ND	83.3	ug/kg							
Hexachloroethane	ND	83.3	ug/kg							
Indeno (1,2,3-cd) pyrene	ND	83.3	ug/kg							
Isophorone	ND	83.3	ug/kg							
m+p-Cresols	ND	83.3	ug/kg							
Methyl methanesulfonate	ND	83.3	ug/kg							
Naphthalene	ND	83.3	ug/kg							
Nitrobenzene	ND	83.3	ug/kg							

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0672 - SW3550C/EPA600-MS										
Blank (BHB0672-BLK1)				Prepared & Analyzed: 02/16/2024						
n-Nitrosodimethylamine	ND	83.3	ug/kg							
n-Nitrosodi-n-butylamine	ND	83.3	ug/kg							
n-Nitrosodi-n-propylamine	ND	83.3	ug/kg							
n-Nitrosodiphenylamine	ND	83.3	ug/kg							
n-Nitrosopiperidine	ND	83.3	ug/kg							
o+m+p-Cresols	ND	83.3	ug/kg							
o-Cresol	ND	83.3	ug/kg							
p-(Dimethylamino) azobenzene	ND	83.3	ug/kg							
p-Chloro-m-cresol	ND	83.3	ug/kg							
Pentachloronitrobenzene (quintozene)	ND	83.3	ug/kg							
Pentachlorophenol	ND	83.3	ug/kg							
Phenacetin	ND	83.3	ug/kg							
Phenanthrene	ND	83.3	ug/kg							
Phenol	ND	83.3	ug/kg							
Pronamide	ND	83.3	ug/kg							
Pyrene	ND	83.3	ug/kg							
Pyridine	ND	83.3	ug/kg							
Surr: 2,4,6-Tribromophenol (Surr)	*1460*		ug/kg	*3320*		*44.0*	*15-96*			
Surr: 2-Fluorobiphenyl (Surr)	*1080*		ug/kg	*1660*		*64.9*	*19-105*			
Surr: 2-Fluorophenol (Surr)	*1180*		ug/kg	*3320*		*35.5*	*12-95*			
Surr: Nitrobenzene-d5 (Surr)	*739*		ug/kg	*1660*		*44.5*	*21-100*			
Surr: Phenol-d5 (Surr)	*1310*		ug/kg	*3320*		*39.4*	*13-100*			
Surr: p-Terphenyl-d14 (Surr)	*1110*		ug/kg	*1660*		*66.8*	*25-125*			
LCS (BHB0672-BS1)				Prepared & Analyzed: 02/16/2024						

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0672 - SW3550C/EPA600-MS										
LCS (BHB0672-BS1)				Prepared & Analyzed: 02/16/2024						
1,2,4-Trichlorobenzene	1160	83.3	ug/kg	1620		71.6	70-130			
1,2-Dichlorobenzene	1000	83.3	ug/kg	1620		62.0	70-130			*L*
1,3-Dichlorobenzene	1000	83.3	ug/kg	1620		61.9	70-130			*L*
1,4-Dichlorobenzene	1220	83.3	ug/kg	1620		75.4	70-130			
2,4,6-Trichlorophenol	1470	83.3	ug/kg	1620		90.5	20-115			
2,4-Dichlorophenol	933	83.3	ug/kg	1620		57.6	20-111			
2,4-Dimethylphenol	769	83.3	ug/kg	1620		47.5	20-110			
2,4-Dinitrophenol	1150	83.3	ug/kg	1620		70.8	10-169			
2,4-Dinitrotoluene	1180	83.3	ug/kg	1620		72.7	21-125			
2,6-Dinitrotoluene	1180	83.3	ug/kg	1620		72.7	15-140			
2-Chloronaphthalene	1360	83.3	ug/kg	1620		83.8	22-105			
2-Chlorophenol	1060	83.3	ug/kg	1620		65.5	15-107			
2-Nitrophenol	ND	83.3	ug/kg	1620			20-115			*L*
3,3'-Dichlorobenzidine	639	83.3	ug/kg	1620		39.5	10-110			
4,6-Dinitro-2-methylphenol	1210	83.3	ug/kg	1620		74.7	40-130			
4-Bromophenyl phenyl ether	1120	83.3	ug/kg	1620		68.9	20-114			
4-Chlorophenyl phenyl ether	1390	83.3	ug/kg	1620		86.0	15-110			
4-Nitrophenol	1070	83.3	ug/kg	1620		65.9	15-110			
Acenaphthene	1440	83.3	ug/kg	1620		89.2	24-110			
Acenaphthylene	1460	83.3	ug/kg	1620		90.0	25-106			
Acetophenone	829	83.3	ug/kg	1620		51.2	25-106			
Anthracene	1470	83.3	ug/kg	1620		90.7	25-117			
Benzo (a) anthracene	1180	83.3	ug/kg	1620		72.7	25-127			
Benzo (a) pyrene	1510	83.3	ug/kg	1620		93.1	18-127			
Benzo (b) fluoranthene	1520	83.3	ug/kg	1620		94.0	20-132			

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0672 - SW3550C/EPA600-MS										
LCS (BHB0672-BS1)				Prepared & Analyzed: 02/16/2024						
Benzo (g,h,i) perylene	944	83.3	ug/kg	1620		58.3	10-136			
Benzo (k) fluoranthene	1730	83.3	ug/kg	1620		107	14-136			
bis (2-Chloroethoxy) methane	567	83.3	ug/kg	1620		35.0	20-100			
bis (2-Chloroethyl) ether	639	83.3	ug/kg	1620		39.5	13-100			
2,2'-Oxybis (1-chloropropane)	783	83.3	ug/kg	1620		48.4	40-125			
bis (2-Ethylhexyl) phthalate	892	83.3	ug/kg	1620		55.1	18-137			
Butyl benzyl phthalate	1870	83.3	ug/kg	1620		115	20-141			
Chrysene	1320	83.3	ug/kg	1620		81.7	21-141			
Dibenz (a,h) anthracene	1090	83.3	ug/kg	1620		67.3	10-142			
Diethyl phthalate	1320	83.3	ug/kg	1620		81.8	20-120			
Dimethyl phthalate	1200	83.3	ug/kg	1620		74.1	23-109			
Di-n-butyl phthalate	1980	83.3	ug/kg	1620		122	18-136			
Di-n-octyl phthalate	2680	83.3	ug/kg	1620		165	10-160			*L*
Fluoranthene	2060	83.3	ug/kg	1620		127	19-138			
Fluorene	1370	83.3	ug/kg	1620		84.7	25-114			
Hexachlorobenzene	909	83.3	ug/kg	1620		56.2	20-113			
Hexachlorobutadiene	1530	83.3	ug/kg	1620		94.3	25-125			
Hexachlorocyclopentadiene	971	83.3	ug/kg	1620		60.0	10-125			
Hexachloroethane	1090	83.3	ug/kg	1620		67.4	25-125			
Indeno (1,2,3-cd) pyrene	1000	83.3	ug/kg	1620		61.8	10-136			
Isophorone	396	83.3	ug/kg	1620		24.5	10-110			
Naphthalene	1420	83.3	ug/kg	1620		87.9	18-109			
Nitrobenzene	929	83.3	ug/kg	1620		57.4	18-104			
n-Nitrosodimethylamine	600	83.3	ug/kg	1620		37.1	18-110			
n-Nitrosodi-n-propylamine	775	83.3	ug/kg	1620		47.9	12-102			

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0672 - SW3550C/EPA600-MS										
LCS (BHB0672-BS1)				Prepared & Analyzed: 02/16/2024						
n-Nitrosodiphenylamine	910	83.3	ug/kg	1620		56.3	12-97			
p-Chloro-m-cresol	668	83.3	ug/kg	1620		41.3	24-120			
Pentachlorophenol	736	83.3	ug/kg	1620		45.5	10-116			
Phenanthrene	1560	83.3	ug/kg	1620		96.2	25-122			
Phenol	886	83.3	ug/kg	1630		54.2	12-115			
Pyrene	924	83.3	ug/kg	1620		57.1	17-159			
Pyridine	666	83.3	ug/kg	1620		41.2	0-200			
Surr: 2,4,6-Tribromophenol (Surr)	*2760*		ug/kg	*3240*		*85.4*	*15-96*			
Surr: 2-Fluorobiphenyl (Surr)	*1730*		ug/kg	*1620*		*107*	*19-105*			*S*
Surr: 2-Fluorophenol (Surr)	*2170*		ug/kg	*3240*		*67.0*	*12-95*			
Surr: Nitrobenzene-d5 (Surr)	*1010*		ug/kg	*1620*		*62.3*	*21-100*			
Surr: Phenol-d5 (Surr)	*1940*		ug/kg	*3240*		*59.9*	*13-100*			
Surr: p-Terphenyl-d14 (Surr)	*1200*		ug/kg	*1620*		*74.0*	*25-125*			
Matrix Spike (BHB0672-MS1)	**Source: 24B0796-01**			Prepared & Analyzed: 02/16/2024						
1,2,4-Trichlorobenzene	1020	409	ug/kg	2040	BLOD	49.8	70-130			*M2*
1,2-Dichlorobenzene	965	409	ug/kg	2040	BLOD	47.2	70-130			*M2*
1,3-Dichlorobenzene	994	409	ug/kg	2040	BLOD	48.6	70-130			*M2*
1,4-Dichlorobenzene	1300	409	ug/kg	2040	BLOD	63.8	70-130			*M2*
2,4,6-Trichlorophenol	721	409	ug/kg	2040	BLOD	35.3	10-115			
2,4-Dichlorophenol	672	409	ug/kg	2040	BLOD	32.9	10-128			
2,4-Dimethylphenol	455	409	ug/kg	2040	BLOD	22.2	10-121			
2,4-Dinitrophenol	ND	409	ug/kg	2040	BLOD		10-228			*M2*
2,4-Dinitrotoluene	1110	409	ug/kg	2040	BLOD	54.1	10-141			
2,6-Dinitrotoluene	1110	409	ug/kg	2040	BLOD	54.1	15-140			

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0672 - SW3550C/EPA600-MS										
Matrix Spike (BHB0672-MS1)	**Source: 24B0796-01**			Prepared & Analyzed: 02/16/2024						
2-Chloronaphthalene	901	409	ug/kg	2040	BLOD	44.1	10-108			
2-Chlorophenol	914	409	ug/kg	2040	BLOD	44.7	10-117			
2-Nitrophenol	597	409	ug/kg	2040	BLOD	29.2	10-131			
3,3'-Dichlorobenzidine	ND	409	ug/kg	2040	BLOD		10-110			*M2*
4,6-Dinitro-2-methylphenol	736	409	ug/kg	2040	BLOD	36.0	10-110			
4-Bromophenyl phenyl ether	1080	409	ug/kg	2040	BLOD	53.0	10-119			
4-Chlorophenyl phenyl ether	1300	409	ug/kg	2040	BLOD	63.8	15-110			
4-Nitrophenol	ND	409	ug/kg	2040	BLOD		15-110			*M2*
Acenaphthene	922	409	ug/kg	2040	BLOD	45.1	10-124			
Acenaphthylene	992	409	ug/kg	2040	BLOD	48.6	10-118			
Acetophenone	544	409	ug/kg	2040	BLOD	26.6	10-110			
Anthracene	1110	409	ug/kg	2040	BLOD	54.4	10-143			
Benzo (a) anthracene	1710	409	ug/kg	2040	BLOD	83.8	10-169			
Benzo (a) pyrene	1970	409	ug/kg	2040	428	75.6	10-149			
Benzo (b) fluoranthene	2410	409	ug/kg	2040	641	86.6	10-150			
Benzo (g,h,i) perylene	1030	409	ug/kg	2040	BLOD	50.3	10-123			
Benzo (k) fluoranthene	1910	409	ug/kg	2040	BLOD	93.4	10-211			
bis (2-Chloroethoxy) methane	443	409	ug/kg	2040	BLOD	21.7	10-108			
bis (2-Chloroethyl) ether	643	409	ug/kg	2040	BLOD	31.4	10-100			
2,2'-Oxybis (1-chloropropane)	713	409	ug/kg	2040	BLOD	34.9	40-125			*M2*
bis (2-Ethylhexyl) phthalate	646	409	ug/kg	2040	BLOD	31.6	10-210			
Butyl benzyl phthalate	1900	409	ug/kg	2040	BLOD	92.8	10-165			
Chrysene	1540	409	ug/kg	2040	BLOD	75.4	10-172			
Dibenz (a,h) anthracene	1010	409	ug/kg	2040	BLOD	49.6	10-128			
Diethyl phthalate	963	409	ug/kg	2040	BLOD	47.1	10-120			

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Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0672 - SW3550C/EPA600-MS										
Matrix Spike (BHB0672-MS1)	**Source: 24B0796-01**			Prepared & Analyzed: 02/16/2024						
Dimethyl phthalate	1170	409	ug/kg	2040	BLOD	57.4	10-125			
Di-n-butyl phthalate	ND	409	ug/kg	2040	BLOD		10-133			*M2*
Di-n-octyl phthalate	1560	409	ug/kg	2040	BLOD	76.5	10-196			
Fluoranthene	3370	409	ug/kg	2040	BLOD	165	10-271			
Fluorene	1320	409	ug/kg	2040	BLOD	64.8	10-124			
Hexachlorobenzene	942	409	ug/kg	2040	BLOD	46.1	10-125			
Hexachlorobutadiene	1370	409	ug/kg	2040	BLOD	67.1	10-125			
Hexachlorocyclopentadiene	504	409	ug/kg	2040	BLOD	24.6	10-125			
Hexachloroethane	1170	409	ug/kg	2040	BLOD	57.4	10-220			
Indeno (1,2,3-cd) pyrene	997	409	ug/kg	2040	BLOD	48.8	10-127			
Isophorone	ND	409	ug/kg	2040	BLOD		10-110			*M2*
Naphthalene	1190	409	ug/kg	2040	BLOD	58.0	10-118			
Nitrobenzene	968	409	ug/kg	2040	BLOD	47.4	10-126			
n-Nitrosodimethylamine	ND	409	ug/kg	2040	BLOD		10-110			*M2*
n-Nitrosodi-n-propylamine	674	409	ug/kg	2040	BLOD	33.0	10-107			
n-Nitrosodiphenylamine	930	409	ug/kg	2040	BLOD	45.5	10-107			
p-Chloro-m-cresol	438	409	ug/kg	2040	BLOD	21.4	10-131			
Pentachlorophenol	564	409	ug/kg	2040	BLOD	27.6	10-151			
Phenanthrene	2880	409	ug/kg	2040	BLOD	141	10-393			
Phenol	662	409	ug/kg	2060	BLOD	32.1	10-133			
Pyrene	1880	409	ug/kg	2040	BLOD	92.1	10-212			
Pyridine	ND	409	ug/kg	2040	BLOD		0-200			
Surr: 2,4,6-Tribromophenol (Surr)	*1910*		ug/kg	*4090*		*46.8*	*15-96*			
Surr: 2-Fluorobiphenyl (Surr)	*1080*		ug/kg	*2040*		*52.7*	*19-105*			
Surr: 2-Fluorophenol (Surr)	*1870*		ug/kg	*4090*		*45.8*	*12-95*			

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0672 - SW3550C/EPA600-MS										
Matrix Spike (BHB0672-MS1)	**Source: 24B0796-01**			Prepared & Analyzed: 02/16/2024						
Surr: Nitrobenzene-d5 (Surr)	*953*		ug/kg	*2040*		*46.6*	*21-100*			
Surr: Phenol-d5 (Surr)	*1510*		ug/kg	*4090*		*37.0*	*13-100*			
Surr: p-Terphenyl-d14 (Surr)	*1070*		ug/kg	*2040*		*52.3*	*25-125*			
Matrix Spike Dup (BHB0672-MSD1)	**Source: 24B0796-01**			Prepared & Analyzed: 02/16/2024						
1,2,4-Trichlorobenzene	1010	403	ug/kg	2020	BLOD	50.3	70-130	0.201	20	*M2*
1,2-Dichlorobenzene	1020	403	ug/kg	2020	BLOD	50.8	70-130	6.03	20	*M2*
1,3-Dichlorobenzene	947	403	ug/kg	2020	BLOD	47.0	70-130	4.83	20	*M2*
1,4-Dichlorobenzene	1250	403	ug/kg	2020	BLOD	62.0	70-130	4.12	20	*M2*
2,4,6-Trichlorophenol	949	403	ug/kg	2020	BLOD	47.0	10-115	27.3	20	*P*
2,4-Dichlorophenol	729	403	ug/kg	2020	BLOD	36.2	10-128	8.18	20	
2,4-Dimethylphenol	599	403	ug/kg	2020	BLOD	29.7	10-121	27.4	20	*P*
2,4-Dinitrophenol	ND	403	ug/kg	2020	BLOD		10-228		20	*M2*
2,4-Dinitrotoluene	1120	403	ug/kg	2020	BLOD	55.7	10-141	1.60	20	
2,6-Dinitrotoluene	1090	403	ug/kg	2020	BLOD	53.8	15-140	1.76	20	
2-Chloronaphthalene	883	403	ug/kg	2020	BLOD	43.8	10-108	2.05	20	
2-Chlorophenol	1010	403	ug/kg	2020	BLOD	49.8	10-117	9.51	20	
2-Nitrophenol	631	403	ug/kg	2020	BLOD	31.3	10-131	5.56	20	
3,3'-Dichlorobenzidine	ND	403	ug/kg	2020	BLOD		10-110		20	*M2*
4,6-Dinitro-2-methylphenol	736	403	ug/kg	2020	BLOD	36.5	10-110	0.00436	20	
4-Bromophenyl phenyl ether	1110	403	ug/kg	2020	BLOD	55.0	10-119	2.39	20	
4-Chlorophenyl phenyl ether	1440	403	ug/kg	2020	BLOD	71.5	15-110	10.0	20	
4-Nitrophenol	ND	403	ug/kg	2020	BLOD		15-110		20	*M2*
Acenaphthene	802	403	ug/kg	2020	BLOD	39.8	10-124	13.9	20	
Acenaphthylene	997	403	ug/kg	2020	BLOD	49.4	10-118	0.476	20	

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Semivolatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0672 - SW3550C/EPA600-MS										
Matrix Spike Dup (BHB0672-MSD1)	**Source: 24B0796-01**			Prepared & Analyzed: 02/16/2024						
Acetophenone	624	403	ug/kg	2020	BLOD	31.0	10-110	13.7	20	
Anthracene	745	403	ug/kg	2020	BLOD	37.0	10-143	39.4	20	*P*
Benzo (a) anthracene	1170	403	ug/kg	2020	BLOD	58.2	10-169	37.3	20	*P*
Benzo (a) pyrene	1600	403	ug/kg	2020	428	58.2	10-149	20.8	20	*P*
Benzo (b) fluoranthene	2000	403	ug/kg	2020	641	67.2	10-150	18.9	20	
Benzo (g,h,i) perylene	849	403	ug/kg	2020	BLOD	42.1	10-123	19.1	20	
Benzo (k) fluoranthene	1720	403	ug/kg	2020	BLOD	85.1	10-211	10.6	20	
bis (2-Chloroethoxy) methane	484	403	ug/kg	2020	BLOD	24.0	10-108	8.84	20	
bis (2-Chloroethyl) ether	789	403	ug/kg	2020	BLOD	39.1	10-100	20.5	20	*P*
2,2'-Oxybis (1-chloropropane)	895	403	ug/kg	2020	BLOD	44.4	40-125	22.7	20	*M2*
bis (2-Ethylhexyl) phthalate	681	403	ug/kg	2020	BLOD	33.8	10-210	5.29	20	
Butyl benzyl phthalate	1930	403	ug/kg	2020	BLOD	95.9	10-165	1.99	20	
Chrysene	1200	403	ug/kg	2020	BLOD	59.6	10-172	24.8	20	*P*
Dibenz (a,h) anthracene	908	403	ug/kg	2020	BLOD	45.0	10-128	11.0	20	
Diethyl phthalate	1020	403	ug/kg	2020	BLOD	50.6	10-120	5.72	20	
Dimethyl phthalate	1140	403	ug/kg	2020	BLOD	56.6	10-125	2.58	20	
Di-n-butyl phthalate	ND	403	ug/kg	2020	BLOD		10-133		20	*M2*
Di-n-octyl phthalate	1610	403	ug/kg	2020	BLOD	79.9	10-196	3.08	20	
Fluoranthene	1620	403	ug/kg	2020	BLOD	80.4	10-271	70.0	20	*P*
Fluorene	1090	403	ug/kg	2020	BLOD	54.2	10-124	19.2	20	
Hexachlorobenzene	889	403	ug/kg	2020	BLOD	44.1	10-125	5.76	20	
Hexachlorobutadiene	1460	403	ug/kg	2020	BLOD	72.5	10-125	6.36	20	
Hexachlorocyclopentadiene	471	403	ug/kg	2020	BLOD	23.4	10-125	6.65	20	
Hexachloroethane	1140	403	ug/kg	2020	BLOD	56.3	10-220	3.15	20	
Indeno (1,2,3-cd) pyrene	852	403	ug/kg	2020	BLOD	42.2	10-127	15.7	20	

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Semivolatile Organic Compounds by GCMS - Quality Control

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0672 - SW3550C/EPA600-MS										
Matrix Spike Dup (BHB0672-MSD1)	**Source: 24B0796-01**			Prepared & Analyzed: 02/16/2024						
Isophorone	ND	403	ug/kg	2020	BLOD		10-110		20	*M2*
Naphthalene	842	403	ug/kg	2020	BLOD	41.8	10-118	33.8	20	*P*
Nitrobenzene	1020	403	ug/kg	2020	BLOD	50.4	10-126	4.90	20	
n-Nitrosodimethylamine	ND	403	ug/kg	2020	BLOD		10-110		20	*M2*
n-Nitrosodi-n-propylamine	668	403	ug/kg	2020	BLOD	33.1	10-107	0.836	20	
n-Nitrosodiphenylamine	883	403	ug/kg	2020	BLOD	43.8	10-107	5.26	20	
p-Chloro-m-cresol	413	403	ug/kg	2020	BLOD	20.5	10-131	5.90	20	
Pentachlorophenol	626	403	ug/kg	2020	BLOD	31.0	10-151	10.4	20	
Phenanthrene	973	403	ug/kg	2020	BLOD	48.2	10-393	99.1	20	*P*
Phenol	670	403	ug/kg	2040	BLOD	32.9	10-133	1.12	20	
Pyrene	849	403	ug/kg	2020	BLOD	42.1	10-212	75.7	20	*P*
Pyridine	ND	403	ug/kg	2020	BLOD		0-200		20	
Surr: 2,4,6-Tribromophenol (Surr)	*2140*		ug/kg	*4030*		*53.1*	*15-96*			
Surr: 2-Fluorobiphenyl (Surr)	*1110*		ug/kg	*2020*		*55.0*	*19-105*			
Surr: 2-Fluorophenol (Surr)	*966*		ug/kg	*4030*		*24.0*	*12-95*			
Surr: Nitrobenzene-d5 (Surr)	*1030*		ug/kg	*2020*		*51.0*	*21-100*			
Surr: Phenol-d5 (Surr)	*1650*		ug/kg	*4030*		*40.8*	*13-100*			
Surr: p-Terphenyl-d14 (Surr)	*1100*		ug/kg	*2020*		*54.6*	*25-125*			
Batch BHB0831 - SW3550C/EPA600-MS										
Blank (BHB0831-BLK1)				Prepared: 02/21/2024 Analyzed: 02/26/2024						
1,4-Dioxane (SIM)	ND	3.33	ug/kg							
Surr: Nitrobenzene-d5 (Surr)	*1130*		ug/kg	*1660*		*68.0*	*35-100*			
LCS (BHB0831-BS1)				Prepared: 02/21/2024 Analyzed: 02/26/2024						

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0831 - SW3550C/EPA600-MS										
LCS (BHB0831-BS1)				Prepared: 02/21/2024 Analyzed: 02/26/2024						
1,4-Dioxane (SIM)	32.2	3.30	ug/kg				0-200			
Surr: Nitrobenzene-d5 (Surr)	*1110*		ug/kg	*1610*		*68.8*	*35-100*			
Matrix Spike (BHB0831-MS1)	**Source: 24B0796-01**			Prepared: 02/21/2024 Analyzed: 02/26/2024						
1,4-Dioxane (SIM)	40.5	8.09	ug/kg		BLOD		0-200			
Surr: Nitrobenzene-d5 (Surr)	*1240*		ug/kg	*2020*		*61.5*	*35-100*			

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Ion Chromatography Analyses - Quality Control

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0647 - No Prep IC										
Blank (BHB0647-BLK1)				Prepared & Analyzed: 02/15/2024						
Sulfate	ND	10.0	mg/kg							
LCS (BHB0647-BS1)				Prepared & Analyzed: 02/15/2024						
Sulfate	98.2	10.0	mg/kg	100		98.1	90-110			
Matrix Spike (BHB0647-MS1)	**Source: 24B0796-05**			Prepared & Analyzed: 02/15/2024						
Sulfate	160	12.7	mg/kg	126	35.1	98.9	90-110			
Matrix Spike Dup (BHB0647-MSD1)	**Source: 24B0796-05**			Prepared & Analyzed: 02/15/2024						
Sulfate	159	12.7	mg/kg	126	35.1	98.5	90-110	0.299	15	

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Wet Chemistry Analysis - Quality Control

Enthalpy Analytical

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0647 - No Prep IC										
Blank (BHB0647-BLK1)				Prepared & Analyzed: 02/15/2024						
Nitrate as N	ND	2.00	mg/kg							
LCS (BHB0647-BS1)				Prepared & Analyzed: 02/15/2024						
Nitrate as N	9.59	2.00	mg/kg	10.0		95.8	90-110			
Matrix Spike (BHB0647-MS1)	**Source: 24B0796-05**			Prepared & Analyzed: 02/15/2024						
Nitrate as N	13.8	2.55	mg/kg	12.6	1.33	99.0	90-110			
Matrix Spike Dup (BHB0647-MSD1)	**Source: 24B0796-05**			Prepared & Analyzed: 02/15/2024						
Nitrate as N	13.9	2.55	mg/kg	12.6	1.33	99.5	90-110	0.446	15	
Batch BHB0658 - No Prep Wet Chem										
Blank (BHB0658-BLK1)				Prepared & Analyzed: 02/16/2024						
Percent Solids	100	0.10	%							
Duplicate (BHB0658-DUP1)	**Source: 24B0796-01**			Prepared & Analyzed: 02/16/2024						
Percent Solids	81.0	0.10	%		81.3			0.381	20	
Batch BHB0748 - No Prep Wet Chem										
Blank (BHB0748-BLK1)				Prepared & Analyzed: 02/19/2024						
Percent Solids	100	0.10	%							
Duplicate (BHB0748-DUP1)	**Source: 24B0963-01**			Prepared & Analyzed: 02/19/2024						
Percent Solids	79.8	0.10	%		80.2			0.535	20	

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Wet Chemistry Analysis - Quality Control

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB0835 - No Prep Wet Chem										
Blank (BHB0835-BLK1)				Prepared & Analyzed: 02/21/2024						
Percent Solids	100	0.10	%							
Duplicate (BHB0835-DUP1)	**Source: 24B0963-03**			Prepared & Analyzed: 02/21/2024						
Percent Solids	81.3	0.10	%		80.8			0.640	20	
Batch BHB0983 - No Prep IC-WET										
Blank (BHB0983-BLK1)				Prepared & Analyzed: 02/23/2024						
Chromium, Hexavalent	ND	0.005	mg/kg							
LCS (BHB0983-BS1)				Prepared & Analyzed: 02/23/2024						
Chromium, Hexavalent	46.4	0.005	mg/kg	50.0		92.8	80-120			
Matrix Spike (BHB0983-MS1)	**Source: 24B0796-01**			Prepared: 02/23/2024 Analyzed: 02/24/2024						
Chromium, Hexavalent	2.92	0.25	mg/kg	2.45	0.74	89.1	75-125			
Matrix Spike Dup (BHB0983-MSD1)	**Source: 24B0796-01**			Prepared: 02/23/2024 Analyzed: 02/24/2024						
Chromium, Hexavalent	2.86	0.25	mg/kg	2.46	0.74	86.6	75-125	1.97	20	
Batch BHB1029 - No Prep IC-WET										
Blank (BHB1029-BLK1)				Prepared & Analyzed: 02/26/2024						
Chromium, Hexavalent	ND	0.005	mg/kg							
LCS (BHB1029-BS1)				Prepared & Analyzed: 02/26/2024						
Chromium, Hexavalent	49.6	0.005	mg/kg	50.0		99.2	80-120			

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Wet Chemistry Analysis - Quality Control

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB1029 - No Prep IC-WET										
Matrix Spike (BHB1029-MS1)		**Source: 24B0963-05**		Prepared & Analyzed: 02/26/2024						
Chromium, Hexavalent	3.50	0.26	mg/kg	2.58	0.91	101	75-125			
Matrix Spike Dup (BHB1029-MSD1)		**Source: 24B0963-05**		Prepared & Analyzed: 02/26/2024						
Chromium, Hexavalent	3.21	0.26	mg/kg	2.58	0.91	89.6	75-125	8.58	20	
Batch BHB1101 - No Prep Wet Chem										
Blank (BHB1101-BLK1)				Prepared & Analyzed: 02/28/2024						
Ammonia as N	ND	0.1	mg/kg							
LCS (BHB1101-BS1)				Prepared & Analyzed: 02/28/2024						
Ammonia as N	1.0	0.1	mg/kg	1.00		97.7	80-120			
Matrix Spike (BHB1101-MS1)		**Source: 24B0796-01**		Prepared & Analyzed: 02/28/2024						
Ammonia as N	1.0	0.1	mg/kg	1.00	BLOD	95.9	75-125			
Matrix Spike Dup (BHB1101-MSD1)		**Source: 24B0796-01**		Prepared & Analyzed: 02/28/2024						
Ammonia as N	1.0	0.1	mg/kg	1.00	0.07	92.5	75-125		20	
Batch BHB1159 - No Prep IC-WET										
Blank (BHB1159-BLK1)				Prepared: 02/29/2024 Analyzed: 03/01/2024						
Chromium, Hexavalent	ND	0.005	mg/kg							
LCS (BHB1159-BS1)				Prepared: 02/29/2024 Analyzed: 03/01/2024						
Chromium, Hexavalent	48.4	0.005	mg/kg	50.0		96.8	80-120			

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Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHB1159 - No Prep IC-WET										
Matrix Spike (BHB1159-MS1)		**Source: 24B0963-15**		Prepared: 02/29/2024 Analyzed: 03/01/2024						
Chromium, Hexavalent	3.20	0.24	mg/kg	2.44	0.46	112	75-125			
Matrix Spike Dup (BHB1159-MSD1)		**Source: 24B0963-15**		Prepared: 02/29/2024 Analyzed: 03/01/2024						
Chromium, Hexavalent	2.36	0.24	mg/kg	2.44	0.46	77.7	75-125	30.2	20	*P*

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Analytical Summary

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Ion Chromatography Analyses			**Preparation Method:**	**No Prep IC**	
24B0796-01	201 g / 2000 mL	SW9056A	BHB0647	SHB0712	AB40156
24B0796-01	201 g / 2000 mL	SW9056A	BHB0647	SHB0712	AB40156
24B0796-02	204 g / 2000 mL	SW9056A	BHB0647	SHB0712	AB40156
24B0796-02	204 g / 2000 mL	SW9056A	BHB0647	SHB0712	AB40156
24B0796-03	203 g / 2000 mL	SW9056A	BHB0647	SHB0712	AB40156
24B0796-03	203 g / 2000 mL	SW9056A	BHB0647	SHB0712	AB40156
24B0796-04	204 g / 2000 mL	SW9056A	BHB0647	SHB0712	AB40156
24B0796-04	204 g / 2000 mL	SW9056A	BHB0647	SHB0712	AB40156
24B0796-05	202 g / 2000 mL	SW9056A	BHB0647	SHB0714	AB40156
24B0796-05	202 g / 2000 mL	SW9056A	BHB0647	SHB0714	AB40156
24B0796-06	202 g / 2000 mL	SW9056A	BHB0647	SHB0714	AB40156
24B0796-06	202 g / 2000 mL	SW9056A	BHB0647	SHB0714	AB40156

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Wet Chemistry Analysis			**Preparation Method:**	**No Prep IC-WET**	
24B0796-01	2.50 g / 100 mL	SW7199	BHB0983	SHB0928	AL30249
24B0796-02	2.50 g / 100 mL	SW7199	BHB0983	SHB0928	AL30249
24B0796-03	2.50 g / 100 mL	SW7199	BHB0983	SHB0928	AL30249
24B0796-04	2.51 g / 100 mL	SW7199	BHB0983	SHB0928	AL30249
24B0796-05	2.51 g / 100 mL	SW7199	BHB0983	SHB0928	AL30249
24B0796-06	2.51 g / 100 mL	SW7199	BHB0983	SHB0928	AL30249
24B0963-01	2.51 g / 100 mL	SW7199	BHB0983	SHB0928	AL30249
24B0963-02	2.50 g / 100 mL	SW7199	BHB0983	SHB0928	AL30249
24B0963-03	2.51 g / 100 mL	SW7199	BHB0983	SHB0928	AL30249
24B0963-04	2.50 g / 100 mL	SW7199	BHB0983	SHB0928	AL30249
24B0963-06	2.50 g / 100 mL	SW7199	BHB0983	SHB0928	AL30249
24B0963-07	2.51 g / 100 mL	SW7199	BHB0983	SHB0928	AL30249

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Wet Chemistry Analysis			**Preparation Method:**	**No Prep IC-WET**	
24B0963-08	2.50 g / 100 mL	SW7199	BHB0983	SHB0928	AL30249
24B0963-05	2.51 g / 100 mL	SW7199	BHB1029	SHB0977	AL30249
24B0963-09	2.51 g / 100 mL	SW7199	BHB1029	SHB0977	AL30249
24B0963-10	2.50 g / 100 mL	SW7199	BHB1029	SHB0977	AL30249
24B0963-11	2.50 g / 100 mL	SW7199	BHB1029	SHB0977	AL30249
24B0963-12	2.51 g / 100 mL	SW7199	BHB1029	SHB0977	AL30249
24B0963-13	2.51 g / 100 mL	SW7199	BHB1159	SHC0067	AL30249
24B0963-14	2.50 g / 100 mL	SW7199	BHB1159	SHC0067	AL30249
24B0963-15	2.51 g / 100 mL	SW7199	BHB1159	SHC0067	AL30249
24B0963-15RE1	2.51 g / 100 mL	SW7199	BHB1159	SHC0067	AL30249
24B0963-16	2.51 g / 100 mL	SW7199	BHB1159	SHC0067	AL30249
24B0963-17	2.50 g / 100 mL	SW7199	BHB1159	SHC0067	AL30249
24B0963-18	2.51 g / 100 mL	SW7199	BHB1159	SHC0067	AL30249
24B0963-19	2.51 g / 100 mL	SW7199	BHB1159	SHC0067	AL30249
24B0963-20	2.51 g / 100 mL	SW7199	BHB1159	SHC0067	AL30249
24B0963-21	2.51 g / 100 mL	SW7199	BHB1159	SHC0067	AL30249
24B0963-22	2.51 g / 100 mL	SW7199	BHB1159	SHC0067	AL30249
24B0963-23	2.51 g / 100 mL	SW7199	BHB1159	SHC0067	AL30249
24B0963-24	2.50 g / 100 mL	SW7199	BHB1159	SHC0067	AL30249
24B0963-25	2.50 g / 100 mL	SW7199	BHB1159	SHC0067	AL30249

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Wet Chemistry Analysis			**Preparation Method:**	**No Prep Wet Chem**	
24B0796-01	10.0 g / 10.0 mL	SM2540G-2011	BHB0658	SHB0614	
24B0796-02	10.0 g / 10.0 mL	SM2540G-2011	BHB0658	SHB0614	
24B0796-03	10.0 g / 10.0 mL	SM2540G-2011	BHB0658	SHB0614	
24B0796-04	10.0 g / 10.0 mL	SM2540G-2011	BHB0658	SHB0614	
24B0796-05	10.0 g / 10.0 mL	SM2540G-2011	BHB0658	SHB0614	

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Wet Chemistry Analysis			**Preparation Method:**	**No Prep Wet Chem**	
24B0796-06	10.0 g / 10.0 mL	SM2540G-2011	BHB0658	SHB0614	
24B0963-01	10.0 g / 10.0 mL	SM2540G-2011	BHB0748	SHB0695	
24B0963-02	10.0 g / 10.0 mL	SM2540G-2011	BHB0748	SHB0695	
24B0963-10	10.0 g / 10.0 mL	SM2540G-2011	BHB0748	SHB0695	
24B0963-11	10.0 g / 10.0 mL	SM2540G-2011	BHB0748	SHB0695	
24B0963-12	10.0 g / 10.0 mL	SM2540G-2011	BHB0748	SHB0695	
24B0963-13	10.0 g / 10.0 mL	SM2540G-2011	BHB0748	SHB0695	
24B0963-14	10.0 g / 10.0 mL	SM2540G-2011	BHB0748	SHB0695	
24B0963-15	10.0 g / 10.0 mL	SM2540G-2011	BHB0748	SHB0695	
24B0963-16	10.0 g / 10.0 mL	SM2540G-2011	BHB0748	SHB0695	
24B0963-17	10.0 g / 10.0 mL	SM2540G-2011	BHB0748	SHB0695	
24B0963-18	10.0 g / 10.0 mL	SM2540G-2011	BHB0748	SHB0695	
24B0963-19	10.0 g / 10.0 mL	SM2540G-2011	BHB0748	SHB0695	
24B0963-20	10.0 g / 10.0 mL	SM2540G-2011	BHB0748	SHB0695	
24B0963-21	10.0 g / 10.0 mL	SM2540G-2011	BHB0748	SHB0695	
24B0963-22	10.0 g / 10.0 mL	SM2540G-2011	BHB0748	SHB0695	
24B0963-23	10.0 g / 10.0 mL	SM2540G-2011	BHB0748	SHB0695	
24B0963-24	10.0 g / 10.0 mL	SM2540G-2011	BHB0748	SHB0695	
24B0963-25	10.0 g / 10.0 mL	SM2540G-2011	BHB0748	SHB0695	
24B0963-03	10.0 g / 10.0 mL	SM2540G-2011	BHB0835	SHB0789	
24B0963-04	10.0 g / 10.0 mL	SM2540G-2011	BHB0835	SHB0789	
24B0963-05	10.0 g / 10.0 mL	SM2540G-2011	BHB0835	SHB0789	
24B0963-06	10.0 g / 10.0 mL	SM2540G-2011	BHB0835	SHB0789	
24B0963-07	10.0 g / 10.0 mL	SM2540G-2011	BHB0835	SHB0789	
24B0963-08	10.0 g / 10.0 mL	SM2540G-2011	BHB0835	SHB0789	
24B0963-09	10.0 g / 10.0 mL	SM2540G-2011	BHB0835	SHB0789	
24B0796-01	1.01 g / 100 mL	EPA350.1 R2.0	BHB1101	SHB1046	AB40304
24B0796-02	1.00 g / 100 mL	EPA350.1 R2.0	BHB1101	SHB1046	AB40304
24B0796-03	1.02 g / 100 mL	EPA350.1 R2.0	BHB1101	SHB1046	AB40304

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Wet Chemistry Analysis			**Preparation Method:**	**No Prep Wet Chem**	
24B0796-04	1.01 g / 100 mL	EPA350.1 R2.0	BHB1101	SHB1046	AB40304
24B0796-05	1.02 g / 100 mL	EPA350.1 R2.0	BHB1101	SHB1046	AB40304
24B0796-06	1.02 g / 100 mL	EPA350.1 R2.0	BHB1101	SHB1046	AB40304

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Metals (Total) by EPA 6000/7000 Series Methods			**Preparation Method:**	**SW3050B-ICPMS**	
24B0796-01	1.08 g / 50.0 mL	SW6020B	BHB0605	SHB0632	AB40226
24B0796-01RE1	1.08 g / 50.0 mL	SW6020B	BHB0605	SHB0632	AB40226
24B0796-02	1.05 g / 50.0 mL	SW6020B	BHB0605	SHB0632	AB40226
24B0796-02RE1	1.05 g / 50.0 mL	SW6020B	BHB0605	SHB0632	AB40226
24B0796-03	1.04 g / 50.0 mL	SW6020B	BHB0605	SHB0632	AB40226
24B0796-03RE1	1.04 g / 50.0 mL	SW6020B	BHB0605	SHB0632	AB40226
24B0796-04	1.07 g / 50.0 mL	SW6020B	BHB0605	SHB0632	AB40226
24B0796-04RE1	1.07 g / 50.0 mL	SW6020B	BHB0605	SHB0632	AB40226
24B0796-04RE2	1.07 g / 50.0 mL	SW6020B	BHB0605	SHB0632	AB40226
24B0796-04RE2	1.07 g / 50.0 mL	SW6020B	BHB0605	SHB0833	AB40265
24B0796-05	1.02 g / 50.0 mL	SW6020B	BHB0605	SHB0632	AB40226
24B0796-05RE1	1.02 g / 50.0 mL	SW6020B	BHB0605	SHB0632	AB40226
24B0796-06	1.06 g / 50.0 mL	SW6020B	BHB0605	SHB0632	AB40226
24B0796-06RE1	1.06 g / 50.0 mL	SW6020B	BHB0605	SHB0632	AB40226
24B0796-04RE1	0.105 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
24B0963-01	1.08 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
24B0963-01RE1	1.08 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
24B0963-02	1.01 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
24B0963-02RE1	1.01 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
24B0963-03	1.08 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
24B0963-03RE1	1.08 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
24B0963-04	1.02 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
24B0963-04RE1	1.02 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Metals (Total) by EPA 6000/7000 Series Methods			**Preparation Method:**	**SW3050B-ICPMS**	
24B0963-05	1.08 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
24B0963-05RE1	1.08 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
24B0963-06	1.07 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
24B0963-06RE1	1.07 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
24B0963-07	1.01 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
24B0963-07RE1	1.01 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
24B0963-08	1.06 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
24B0963-08RE1	1.06 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
24B0963-09	1.06 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
24B0963-09RE1	1.06 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
24B0963-10	1.04 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
24B0963-10RE1	1.04 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
24B0963-11	1.02 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
24B0963-11RE1	1.02 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
24B0963-12	1.00 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
24B0963-12RE1	1.00 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
24B0963-13	1.05 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
24B0963-13RE1	1.05 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
24B0963-14	1.10 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
24B0963-14RE1	1.10 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
24B0963-15	1.02 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
24B0963-15RE1	1.02 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
24B0963-16	1.00 g / 50.0 mL	SW6020B	BHB0720	SHB0793	AB40257
24B0963-17	1.04 g / 50.0 mL	SW6020B	BHB0720	SHB0793	AB40257
24B0963-18	1.06 g / 50.0 mL	SW6020B	BHB0720	SHB0793	AB40257
24B0963-19	1.07 g / 50.0 mL	SW6020B	BHB0720	SHB0793	AB40257
24B0963-19RE1	1.07 g / 50.0 mL	SW6020B	BHB0720	SHB0793	AB40257
24B0963-20	1.06 g / 50.0 mL	SW6020B	BHB0720	SHB0793	AB40257
24B0963-20RE1	1.06 g / 50.0 mL	SW6020B	BHB0720	SHB0793	AB40257
24B0963-21	1.08 g / 50.0 mL	SW6020B	BHB0720	SHB0793	AB40257

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Metals (Total) by EPA 6000/7000 Series Methods			**Preparation Method:**	**SW3050B-ICPMS**	
24B0963-21RE1	1.08 g / 50.0 mL	SW6020B	BHB0720	SHB0793	AB40257
24B0963-22	1.10 g / 50.0 mL	SW6020B	BHB0720	SHB0793	AB40257
24B0963-22RE1	1.10 g / 50.0 mL	SW6020B	BHB0720	SHB0793	AB40257
24B0963-23	1.02 g / 50.0 mL	SW6020B	BHB0720	SHB0793	AB40257
24B0963-24	1.06 g / 50.0 mL	SW6020B	BHB0720	SHB0793	AB40257
24B0963-24RE1	1.06 g / 50.0 mL	SW6020B	BHB0720	SHB0793	AB40257
24B0963-25	1.06 g / 50.0 mL	SW6020B	BHB0720	SHB0793	AB40257
24B0963-25RE1	1.06 g / 50.0 mL	SW6020B	BHB0720	SHB0793	AB40257

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Semivolatile Organic Compounds by GCMS			**Preparation Method:**	**SW3550C/EPA600-MS**	
24B0796-01	30.7 g / 1.00 mL	SW8270E	BHB0672	SHB0682	AL30202
24B0796-02	30.3 g / 1.00 mL	SW8270E	BHB0672	SHB0915	AB40233
24B0796-03	30.9 g / 1.00 mL	SW8270E	BHB0672	SHB0915	AB40233
24B0796-04	31.4 g / 1.00 mL	SW8270E	BHB0672	SHB0915	AB40233
24B0796-05	31.2 g / 1.00 mL	SW8270E	BHB0672	SHB0915	AB40233
24B0796-06	31.4 g / 1.00 mL	SW8270E	BHB0672	SHB0915	AB40233
24B0796-01	30.1 g / 1.00 mL	SW8270E SIM	BHB0831	SHB0956	AA40281
24B0796-02	30.3 g / 1.00 mL	SW8270E SIM	BHB0831	SHB0956	AA40281
24B0796-03	30.9 g / 1.00 mL	SW8270E SIM	BHB0831	SHB0956	AA40281
24B0796-04	31.4 g / 1.00 mL	SW8270E SIM	BHB0831	SHB0956	AA40281
24B0796-05	31.2 g / 1.00 mL	SW8270E SIM	BHB0831	SHB0956	AA40281
24B0796-06	31.4 g / 1.00 mL	SW8270E SIM	BHB0831	SHB0956	AA40281

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Volatile Organic Compounds by GCMS			**Preparation Method:**	**SW5030B-MS**	
24B0796-07	5.00 mL / 5.00 mL	SW8260D	BHB0629	SHB0594	AB40177

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Volatile Organic Compounds by GCMS			**Preparation Method:**	**SW5035-MS**	
24B0796-01	6.78 g / 5.00 mL	SW8260D	BHB0641	SHB0595	AA40197
24B0796-02	7.18 g / 5.00 mL	SW8260D	BHB0641	SHB0595	AA40197
24B0796-03	7.04 g / 5.00 mL	SW8260D	BHB0641	SHB0595	AA40197
24B0796-04	7.09 g / 5.00 mL	SW8260D	BHB0641	SHB0595	AA40197
24B0796-05	5.94 g / 5.00 mL	SW8260D	BHB0641	SHB0595	AA40197
24B0796-06	5.79 g / 5.00 mL	SW8260D	BHB0641	SHB0595	AA40197

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Metals (Total) by EPA 6000/7000 Series Methods			**Preparation Method:**	**SW7471B**	
24B0796-01	0.250 g / 20.0 mL	SW7471B	BHB0757	SHB0781	AB40261
24B0796-01RE1	0.250 g / 20.0 mL	SW7471B	BHB0757	SHB0781	AB40261
24B0796-01RE2	0.250 g / 20.0 mL	SW7471B	BHB0757	SHB0781	AB40261
24B0796-02	0.501 g / 20.0 mL	SW7471B	BHB0757	SHB0781	AB40261
24B0796-03	0.250 g / 20.0 mL	SW7471B	BHB0757	SHB0781	AB40261
24B0796-03RE1	0.250 g / 20.0 mL	SW7471B	BHB0757	SHB0781	AB40261
24B0796-04	0.269 g / 20.0 mL	SW7471B	BHB0757	SHB0781	AB40261
24B0796-04RE1	0.269 g / 20.0 mL	SW7471B	BHB0757	SHB0781	AB40261
24B0796-04RE2	0.269 g / 20.0 mL	SW7471B	BHB0757	SHB0781	AB40261
24B0796-04RE3	0.269 g / 20.0 mL	SW7471B	BHB0757	SHB0781	AB40261
24B0796-05	0.522 g / 20.0 mL	SW7471B	BHB0757	SHB0781	AB40261
24B0796-06	0.272 g / 20.0 mL	SW7471B	BHB0757	SHB0781	AB40261
24B0796-06RE1	0.272 g / 20.0 mL	SW7471B	BHB0757	SHB0781	AB40261
24B0963-01	0.505 g / 20.0 mL	SW7471B	BHB0757	SHB0781	AB40261
24B0963-02	0.500 g / 20.0 mL	SW7471B	BHB0757	SHB0781	AB40261
24B0963-03	0.508 g / 20.0 mL	SW7471B	BHB0757	SHB0781	AB40261
24B0963-04	0.510 g / 20.0 mL	SW7471B	BHB0757	SHB0781	AB40261
24B0963-05	0.524 g / 20.0 mL	SW7471B	BHB0757	SHB0781	AB40261
24B0963-06	0.502 g / 20.0 mL	SW7471B	BHB0757	SHB0781	AB40261
24B0963-07	0.262 g / 20.0 mL	SW7471B	BHB0757	SHB0781	AB40261

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Metals (Total) by EPA 6000/7000 Series Methods			**Preparation Method:**	**SW7471B**	
24B0963-08	0.507 g / 20.0 mL	SW7471B	BHB0757	SHB0781	AB40261
24B0963-09	0.506 g / 20.0 mL	SW7471B	BHB0757	SHB0781	AB40261
24B0963-09RE1	0.506 g / 20.0 mL	SW7471B	BHB0757	SHB0781	AB40261
24B0963-10	0.258 g / 20.0 mL	SW7471B	BHB0757	SHB0781	AB40261
24B0963-10RE1	0.258 g / 20.0 mL	SW7471B	BHB0757	SHB0781	AB40261
24B0963-11	0.504 g / 20.0 mL	SW7471B	BHB0757	SHB0781	AB40261
24B0963-12	0.514 g / 20.0 mL	SW7471B	BHB0757	SHB0781	AB40261
24B0963-13	0.508 g / 20.0 mL	SW7471B	BHB0757	SHB0781	AB40261
24B0963-14	0.504 g / 20.0 mL	SW7471B	BHB0758	SHB0781	AB40261
24B0963-15	0.501 g / 20.0 mL	SW7471B	BHB0758	SHB0781	AB40261
24B0963-15RE1	0.501 g / 20.0 mL	SW7471B	BHB0758	SHB0781	AB40261
24B0963-16	0.504 g / 20.0 mL	SW7471B	BHB0758	SHB0781	AB40261
24B0963-17	0.523 g / 20.0 mL	SW7471B	BHB0758	SHB0781	AB40261
24B0963-18	0.510 g / 20.0 mL	SW7471B	BHB0758	SHB0781	AB40261
24B0963-19	0.515 g / 20.0 mL	SW7471B	BHB0758	SHB0781	AB40261
24B0963-20	0.256 g / 20.0 mL	SW7471B	BHB0758	SHB0781	AB40261
24B0963-20RE1	0.256 g / 20.0 mL	SW7471B	BHB0758	SHB0781	AB40261
24B0963-21	0.503 g / 20.0 mL	SW7471B	BHB0758	SHB0781	AB40261
24B0963-21RE1	0.503 g / 20.0 mL	SW7471B	BHB0758	SHB0781	AB40261
24B0963-22	0.508 g / 20.0 mL	SW7471B	BHB0758	SHB0781	AB40261
24B0963-22RE1	0.508 g / 20.0 mL	SW7471B	BHB0758	SHB0781	AB40261
24B0963-23	0.510 g / 20.0 mL	SW7471B	BHB0758	SHB0781	AB40261
24B0963-24	0.513 g / 20.0 mL	SW7471B	BHB0758	SHB0781	AB40261
24B0963-25	0.518 g / 20.0 mL	SW7471B	BHB0758	SHB0781	AB40261
24B0963-25RE1	0.518 g / 20.0 mL	SW7471B	BHB0758	SHB0781	AB40261

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QC Analytical Summary

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Ion Chromatography Analyses			**Preparation Method:**	**No Prep IC**	
BHB0647-BLK1	200 g / 2000 mL	SW9056A	BHB0647	SHB0712	AB40156
BHB0647-BLK1	200 g / 2000 mL	SW9056A	BHB0647	SHB0712	AB40156
BHB0647-BS1	200 g / 2000 mL	SW9056A	BHB0647	SHB0712	AB40156
BHB0647-BS1	200 g / 2000 mL	SW9056A	BHB0647	SHB0712	AB40156
BHB0647-MS1	202 g / 2000 mL	SW9056A	BHB0647	SHB0714	AB40156
BHB0647-MS1	202 g / 2000 mL	SW9056A	BHB0647	SHB0714	AB40156
BHB0647-MSD1	202 g / 2000 mL	SW9056A	BHB0647	SHB0714	AB40156
BHB0647-MSD1	202 g / 2000 mL	SW9056A	BHB0647	SHB0714	AB40156

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Wet Chemistry Analysis			**Preparation Method:**	**No Prep IC-WET**	
BHB0983-BLK1	100 g / 100 mL	SW7199	BHB0983	SHB0928	AL30249
BHB0983-BS1	100 g / 100 mL	SW7199	BHB0983	SHB0928	AL30249
BHB0983-MRL1	100 g / 100 mL	SW7199	BHB0983	SHB0928	AL30249
BHB0983-MS1	2.51 g / 100 mL	SW7199	BHB0983	SHB0928	AL30249
BHB0983-MSD1	2.50 g / 100 mL	SW7199	BHB0983	SHB0928	AL30249
BHB1029-BLK1	100 g / 100 mL	SW7199	BHB1029	SHB0977	AL30249
BHB1029-BS1	100 g / 100 mL	SW7199	BHB1029	SHB0977	AL30249
BHB1029-MRL1	100 g / 100 mL	SW7199	BHB1029	SHB0977	AL30249
BHB1029-MS1	2.51 g / 100 mL	SW7199	BHB1029	SHB0977	AL30249
BHB1029-MSD1	2.51 g / 100 mL	SW7199	BHB1029	SHB0977	AL30249
BHB1159-BLK1	100 g / 100 mL	SW7199	BHB1159	SHC0067	AL30249
BHB1159-BS1	100 g / 100 mL	SW7199	BHB1159	SHC0067	AL30249
BHB1159-MRL1	100 g / 100 mL	SW7199	BHB1159	SHC0067	AL30249
BHB1159-MS1	2.50 g / 100 mL	SW7199	BHB1159	SHC0067	AL30249
BHB1159-MS2	2.51 g / 100 mL	SW7199	BHB1159	SHC0067	AL30249

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Client Site I.D.: Southside Park Landfill

Submitted To: Tom Raymond

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Wet Chemistry Analysis			**Preparation Method:**	**No Prep IC-WET**	
BHB1159-MS3	2.51 g / 100 mL	SW7199	BHB1159	SHC0067	AL30249
BHB1159-MSD1	2.50 g / 100 mL	SW7199	BHB1159	SHC0067	AL30249

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Wet Chemistry Analysis			**Preparation Method:**	**No Prep Wet Chem**	
BHB0658-BLK1	10.0 g / 10.0 mL	SM2540G-2011	BHB0658	SHB0614	
BHB0658-DUP1	10.0 g / 10.0 mL	SM2540G-2011	BHB0658	SHB0614	
BHB0748-BLK1	10.0 g / 10.0 mL	SM2540G-2011	BHB0748	SHB0695	
BHB0748-DUP1	10.0 g / 10.0 mL	SM2540G-2011	BHB0748	SHB0695	
BHB0835-BLK1	10.0 g / 10.0 mL	SM2540G-2011	BHB0835	SHB0789	
BHB0835-DUP1	10.0 g / 10.0 mL	SM2540G-2011	BHB0835	SHB0789	
BHB1101-BLK1	6.00 g / 6.00 mL	EPA350.1 R2.0	BHB1101	SHB1046	AB40304
BHB1101-BS1	6.00 g / 6.00 mL	EPA350.1 R2.0	BHB1101	SHB1046	AB40304
BHB1101-MS1	0.0603 g / 6.00 mL	EPA350.1 R2.0	BHB1101	SHB1046	AB40304
BHB1101-MSD1	0.0609 g / 6.00 mL	EPA350.1 R2.0	BHB1101	SHB1046	AB40304

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Metals (Total) by EPA 6000/7000 Series Methods			**Preparation Method:**	**SW3050B-ICPMS**	
BHB0605-BLK1	1.01 g / 50.0 mL	SW6020B	BHB0605	SHB0632	AB40226
BHB0605-BS1	1.03 g / 50.0 mL	SW6020B	BHB0605	SHB0632	AB40226
BHB0605-MS1	1.09 g / 50.0 mL	SW6020B	BHB0605	SHB0632	AB40226
BHB0605-MS2		SW6020B	BHB0605	SHB0632	AB40226
BHB0605-MS2	1.09 g / 50.0 mL	SW6020B	BHB0605	SHB0632	AB40226
BHB0605-MSD1	1.02 g / 50.0 mL	SW6020B	BHB0605	SHB0632	AB40226
BHB0605-MSD2		SW6020B	BHB0605	SHB0632	AB40226
BHB0605-MSD2	1.02 g / 50.0 mL	SW6020B	BHB0605	SHB0632	AB40226
BHB0719-BLK1	1.02 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247

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Metals (Total) by EPA 6000/7000 Series Methods			**Preparation Method:**	**SW3050B-ICPMS**	
BHB0719-BS1	1.09 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
BHB0719-MS1	1.08 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
BHB0719-MS2		SW6020B	BHB0719	SHB0742	AB40247
BHB0719-MS2	1.08 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
BHB0719-MSD1	1.01 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
BHB0719-MSD2		SW6020B	BHB0719	SHB0742	AB40247
BHB0719-MSD2	1.01 g / 50.0 mL	SW6020B	BHB0719	SHB0742	AB40247
BHB0720-BLK1	1.09 g / 50.0 mL	SW6020B	BHB0720	SHB0793	AB40257
BHB0720-BS1	1.10 g / 50.0 mL	SW6020B	BHB0720	SHB0793	AB40257
BHB0720-MS1	1.04 g / 50.0 mL	SW6020B	BHB0720	SHB0793	AB40257
BHB0720-MS2		SW6020B	BHB0720	SHB0793	AB40257
BHB0720-MS2	1.04 g / 50.0 mL	SW6020B	BHB0720	SHB0793	AB40257
BHB0720-MSD1	1.06 g / 50.0 mL	SW6020B	BHB0720	SHB0793	AB40257
BHB0720-MSD2		SW6020B	BHB0720	SHB0793	AB40257
BHB0720-MSD2	1.06 g / 50.0 mL	SW6020B	BHB0720	SHB0793	AB40257

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Semivolatile Organic Compounds by GCMS			**Preparation Method:**	**SW3550C/EPA600-MS**	
BHB0672-BLK1	30.1 g / 1.00 mL	SW8270E	BHB0672	SHB0682	AL30202
BHB0672-BS1	30.9 g / 1.00 mL	SW8270E	BHB0672	SHB0682	AL30202
BHB0672-BS2		SW8270E	BHB0672		
BHB0672-MS1	30.1 g / 1.00 mL	SW8270E	BHB0672	SHB0682	AL30202
BHB0672-MSD1	30.5 g / 1.00 mL	SW8270E	BHB0672	SHB0682	AL30202
BHB0831-BLK1	30.1 g / 1.00 mL	SW8270E SIM	BHB0831	SHB0956	AA40281
BHB0831-BS1	31.1 g / 1.00 mL	SW8270E SIM	BHB0831	SHB0956	AA40281
BHB0831-MS1	30.4 g / 1.00 mL	SW8270E SIM	BHB0831	SHB0956	AA40281
BHB0831-MSD1		SW8270E SIM	BHB0831	SHB0956	AA40281

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Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Volatile Organic Compounds by GCMS			**Preparation Method:**	**SW5030B-MS**	
BHB0629-BLK1	5.00 mL / 5.00 mL	SW8260D	BHB0629	SHB0594	AB40177
BHB0629-BS1	5.00 mL / 5.00 mL	SW8260D	BHB0629	SHB0594	AB40177
BHB0629-MS1	5.00 mL / 5.00 mL	SW8260D	BHB0629	SHB0594	AB40177
BHB0629-MSD1	5.00 mL / 5.00 mL	SW8260D	BHB0629	SHB0594	AB40177

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Volatile Organic Compounds by GCMS			**Preparation Method:**	**SW5035-MS**	
BHB0641-BLK1	5.00 g / 5.00 mL	SW8260D	BHB0641	SHB0595	AA40197
BHB0641-BS1	5.00 g / 5.00 mL	SW8260D	BHB0641	SHB0595	AA40197
BHB0641-DUP1	6.85 g / 5.00 mL	SW8260D	BHB0641	SHB0595	AA40197

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Metals (Total) by EPA 6000/7000 Series Methods			**Preparation Method:**	**SW7471B**	
BHB0757-BLK1	0.510 g / 20.0 mL	SW7471B	BHB0757	SHB0781	AB40261
BHB0757-BS1	0.500 g / 20.0 mL	SW7471B	BHB0757	SHB0781	AB40261
BHB0757-MS1	0.514 g / 20.0 mL	SW7471B	BHB0757	SHB0781	AB40261
BHB0757-MSD1	0.505 g / 20.0 mL	SW7471B	BHB0757	SHB0781	AB40261
BHB0758-BLK1	0.505 g / 20.0 mL	SW7471B	BHB0758	SHB0781	AB40261
BHB0758-BS1	0.508 g / 20.0 mL	SW7471B	BHB0758	SHB0781	AB40261
BHB0758-MS1	0.515 g / 20.0 mL	SW7471B	BHB0758	SHB0781	AB40261
BHB0758-MSD1	0.511 g / 20.0 mL	SW7471B	BHB0758	SHB0781	AB40261

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Certified Analyses included in this Report

Analyte	Certifications
EPA350.1 R2.0 in Solids	
Ammonia as N	VELAP
SW6020B in Solids	
Antimony	VELAP,PADEP
Arsenic	VELAP,PADEP
Barium	VELAP,PADEP
Beryllium	VELAP,PADEP
Cadmium	VELAP,PADEP
Chromium	VELAP,PADEP
Cobalt	VELAP,PADEP
Copper	VELAP,PADEP
Lead	VELAP,PADEP
Manganese	VELAP,PADEP
Nickel	VELAP,PADEP
Selenium	VELAP,PADEP
Silver	VELAP,PADEP
Thallium	VELAP,PADEP
Vanadium	VELAP,PADEP
Zinc	VELAP,PADEP
SW7199 in Solids	
Chromium, Hexavalent	NCDEQ,VELAP
SW7471B in Solids	
Mercury	VELAP,PADEP,NCDEQ,WVDEP
SW8260D in Non-Potable Water	
1,1,1,2-Tetrachloroethane	VELAP,NCDEQ,PADEP,WVDEP
1,1,1-Trichloroethane	VELAP,NCDEQ,PADEP,WVDEP

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Analyte	Certifications
1,1,2,2-Tetrachloroethane	VELAP,NCDEQ,PADEP,WVDEP
1,1,2-Trichloroethane	VELAP,NCDEQ,PADEP,WVDEP
1,1-Dichloroethane	VELAP,NCDEQ,PADEP,WVDEP
1,1-Dichloroethylene	VELAP,NCDEQ,PADEP,WVDEP
1,1-Dichloropropene	VELAP,NCDEQ,PADEP,WVDEP
1,2,3-Trichlorobenzene	VELAP,NCDEQ,PADEP,WVDEP
1,2,3-Trichloropropane	VELAP,NCDEQ,PADEP,WVDEP
1,2,4-Trichlorobenzene	VELAP,NCDEQ,PADEP,WVDEP
1,2,4-Trimethylbenzene	VELAP,NCDEQ,PADEP,WVDEP
1,2-Dibromo-3-chloropropane (DBCP)	VELAP,NCDEQ,PADEP,WVDEP
1,2-Dibromoethane (EDB)	VELAP,NCDEQ,PADEP,WVDEP
1,2-Dichlorobenzene	VELAP,NCDEQ,PADEP,WVDEP
1,2-Dichloroethane	VELAP,NCDEQ,PADEP,WVDEP
1,2-Dichloropropane	VELAP,NCDEQ,PADEP,WVDEP
1,3,5-Trimethylbenzene	VELAP,NCDEQ,PADEP,WVDEP
1,3-Dichlorobenzene	VELAP,NCDEQ,PADEP,WVDEP
1,3-Dichloropropane	VELAP,NCDEQ,PADEP,WVDEP
1,4-Dichlorobenzene	VELAP,NCDEQ,PADEP,WVDEP
2,2-Dichloropropane	VELAP,NCDEQ,PADEP,WVDEP
2-Butanone (MEK)	VELAP,NCDEQ,PADEP,WVDEP
2-Chlorotoluene	VELAP,NCDEQ,PADEP,WVDEP
2-Hexanone (MBK)	VELAP,NCDEQ,PADEP,WVDEP
4-Chlorotoluene	VELAP,NCDEQ,PADEP,WVDEP
4-Isopropyltoluene	VELAP,NCDEQ,PADEP,WVDEP
4-Methyl-2-pentanone (MIBK)	VELAP,NCDEQ,PADEP,WVDEP
Acetone	VELAP,NCDEQ,PADEP,WVDEP
Benzene	VELAP,NCDEQ,PADEP,WVDEP
Bromobenzene	VELAP,NCDEQ,PADEP,WVDEP

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Certified Analyses included in this Report

Analyte	Certifications
Bromochloromethane	VELAP,NCDEQ,PADEP,WVDEP
Bromodichloromethane	VELAP,NCDEQ,PADEP,WVDEP
Bromoform	VELAP,NCDEQ,PADEP,WVDEP
Bromomethane	VELAP,NCDEQ,PADEP,WVDEP
Carbon disulfide	VELAP,NCDEQ,PADEP,WVDEP
Carbon tetrachloride	VELAP,NCDEQ,PADEP,WVDEP
Chlorobenzene	VELAP,NCDEQ,PADEP,WVDEP
Chloroethane	VELAP,NCDEQ,PADEP,WVDEP
Chloroform	VELAP,NCDEQ,PADEP,WVDEP
Chloromethane	VELAP,NCDEQ,PADEP,WVDEP
cis-1,2-Dichloroethylene	VELAP,NCDEQ,PADEP,WVDEP
cis-1,3-Dichloropropene	VELAP,NCDEQ,PADEP,WVDEP
Dibromochloromethane	VELAP,NCDEQ,PADEP,WVDEP
Dibromomethane	VELAP,NCDEQ,PADEP,WVDEP
Dichlorodifluoromethane	VELAP,NCDEQ,PADEP,WVDEP
Di-isopropyl ether (DIPE)	VELAP,NCDEQ,PADEP,WVDEP
Ethylbenzene	VELAP,NCDEQ,PADEP,WVDEP
Hexachlorobutadiene	VELAP,NCDEQ,PADEP,WVDEP
Iodomethane	VELAP,NCDEQ,PADEP,WVDEP
Isopropylbenzene	VELAP,NCDEQ,PADEP,WVDEP
m+p-Xylenes	VELAP,NCDEQ,PADEP,WVDEP
Methylene chloride	VELAP,NCDEQ,PADEP,WVDEP
Methyl-t-butyl ether (MTBE)	VELAP,NCDEQ,PADEP,WVDEP
Naphthalene	VELAP,NCDEQ,PADEP,WVDEP
n-Butylbenzene	VELAP,NCDEQ,PADEP,WVDEP
n-Propylbenzene	VELAP,NCDEQ,PADEP,WVDEP
o-Xylene	VELAP,NCDEQ,PADEP,WVDEP
sec-Butylbenzene	VELAP,NCDEQ,PADEP,WVDEP

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Analyte	Certifications
Styrene	VELAP,NCDEQ,PADEP,WVDEP
tert-Butylbenzene	VELAP,NCDEQ,PADEP,WVDEP
Tetrachloroethylene (PCE)	VELAP,NCDEQ,PADEP,WVDEP
Toluene	VELAP,NCDEQ,PADEP,WVDEP
trans-1,2-Dichloroethylene	VELAP,NCDEQ,PADEP,WVDEP
trans-1,3-Dichloropropene	VELAP,NCDEQ,PADEP,WVDEP
Trichloroethylene	VELAP,NCDEQ,PADEP,WVDEP
Trichlorofluoromethane	VELAP,NCDEQ,PADEP,WVDEP
Vinyl acetate	VELAP,NCDEQ,PADEP,WVDEP
Vinyl chloride	VELAP,NCDEQ,PADEP,WVDEP
Xylenes, Total	VELAP,NCDEQ,PADEP,WVDEP
SW8260D in Solids	
1,1,1,2-Tetrachloroethane	VELAP,PADEP,NCDEQ,WVDEP
1,1,1-Trichloroethane	VELAP,PADEP,NCDEQ,WVDEP
1,1,2,2-Tetrachloroethane	VELAP,PADEP,NCDEQ,WVDEP
1,1,2-Trichloroethane	VELAP,PADEP,NCDEQ,WVDEP
1,1-Dichloroethane	VELAP,PADEP,NCDEQ,WVDEP
1,1-Dichloroethylene	VELAP,PADEP,NCDEQ,WVDEP
1,1-Dichloropropene	VELAP,PADEP,NCDEQ,WVDEP
1,2,3-Trichlorobenzene	VELAP,PADEP,NCDEQ,WVDEP
1,2,3-Trichloropropane	VELAP,PADEP,NCDEQ,WVDEP
1,2,4-Trichlorobenzene	VELAP,PADEP,NCDEQ,WVDEP
1,2,4-Trimethylbenzene	VELAP,PADEP,NCDEQ,WVDEP
1,2-Dibromo-3-chloropropane (DBCP)	VELAP,PADEP,NCDEQ,WVDEP
1,2-Dibromoethane (EDB)	VELAP,PADEP,NCDEQ,WVDEP
1,2-Dichlorobenzene	VELAP,PADEP,NCDEQ,WVDEP
1,2-Dichloroethane	VELAP,PADEP,NCDEQ,WVDEP
1,2-Dichloropropane	VELAP,PADEP,NCDEQ,WVDEP

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Analyte	Certifications
1,3,5-Trimethylbenzene	VELAP,PADEP,NCDEQ,WVDEP
1,3-Dichlorobenzene	VELAP,PADEP,NCDEQ,WVDEP
1,3-Dichloropropane	VELAP,PADEP,NCDEQ,WVDEP
1,4-Dichlorobenzene	VELAP,PADEP,NCDEQ,WVDEP
2,2-Dichloropropane	VELAP,PADEP,NCDEQ,WVDEP
2-Butanone (MEK)	VELAP,PADEP,NCDEQ,WVDEP
2-Chlorotoluene	VELAP,PADEP,NCDEQ,WVDEP
2-Hexanone (MBK)	VELAP,PADEP,NCDEQ,WVDEP
4-Chlorotoluene	VELAP,PADEP,NCDEQ,WVDEP
4-Isopropyltoluene	VELAP,PADEP,NCDEQ,WVDEP
4-Methyl-2-pentanone (MIBK)	VELAP,PADEP,NCDEQ,WVDEP
Acetone	VELAP,PADEP,NCDEQ,WVDEP
Benzene	VELAP,PADEP,NCDEQ,WVDEP
Bromobenzene	VELAP,PADEP,NCDEQ,WVDEP
Bromochloromethane	VELAP,PADEP,NCDEQ,WVDEP
Bromodichloromethane	VELAP,PADEP,NCDEQ,WVDEP
Bromoform	VELAP,PADEP,NCDEQ,WVDEP
Bromomethane	VELAP,PADEP,NCDEQ,WVDEP
Carbon disulfide	VELAP,PADEP,NCDEQ,WVDEP
Carbon tetrachloride	VELAP,PADEP,NCDEQ,WVDEP
Chlorobenzene	VELAP,PADEP,NCDEQ,WVDEP
Chloroethane	VELAP,PADEP,NCDEQ,WVDEP
Chloroform	VELAP,PADEP,NCDEQ,WVDEP
Chloromethane	VELAP,PADEP,NCDEQ,WVDEP
cis-1,2-Dichloroethylene	VELAP,PADEP,NCDEQ,WVDEP
cis-1,3-Dichloropropene	VELAP,PADEP,NCDEQ,WVDEP
Dibromochloromethane	VELAP,PADEP,NCDEQ,WVDEP
Dibromomethane	VELAP,PADEP,NCDEQ,WVDEP

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Analyte	Certifications
Dichlorodifluoromethane	VELAP,PADEP,NCDEQ,WVDEP
Di-isopropyl ether (DIPE)	VELAP,PADEP,NCDEQ,WVDEP
Ethylbenzene	VELAP,PADEP,NCDEQ,WVDEP
Hexachlorobutadiene	VELAP,PADEP,NCDEQ,WVDEP
Iodomethane	VELAP,PADEP,NCDEQ,WVDEP
Isopropylbenzene	VELAP,PADEP,NCDEQ,WVDEP
m+p-Xylenes	VELAP,PADEP,NCDEQ,WVDEP
Methylene chloride	VELAP,PADEP,NCDEQ,WVDEP
Methyl-t-butyl ether (MTBE)	VELAP,PADEP,NCDEQ,WVDEP
Naphthalene	VELAP,PADEP,NCDEQ,WVDEP
n-Butylbenzene	VELAP,PADEP,NCDEQ,WVDEP
n-Propylbenzene	VELAP,PADEP,NCDEQ,WVDEP
o-Xylene	VELAP,PADEP,NCDEQ,WVDEP
sec-Butylbenzene	VELAP,PADEP,NCDEQ,WVDEP
Styrene	VELAP,PADEP,NCDEQ,WVDEP
tert-Butylbenzene	VELAP,PADEP,NCDEQ,WVDEP
Tetrachloroethylene (PCE)	VELAP,PADEP,NCDEQ,WVDEP
Toluene	VELAP,PADEP,NCDEQ,WVDEP
trans-1,2-Dichloroethylene	VELAP,PADEP,NCDEQ,WVDEP
trans-1,3-Dichloropropene	VELAP,PADEP,NCDEQ,WVDEP
Trichloroethylene	VELAP,PADEP,NCDEQ,WVDEP
Trichlorofluoromethane	VELAP,PADEP,NCDEQ,WVDEP
Vinyl acetate	VELAP,PADEP,NCDEQ,WVDEP
Vinyl chloride	VELAP,PADEP,NCDEQ,WVDEP
Xylenes, Total	VELAP,PADEP,NCDEQ,WVDEP
Dibromofluoromethane (Surr)	VELAP
SW8270E in Solids	
1,2,4,5-Tetrachlorobenzene	NCDEQ,WVDEP,VELAP,PADEP

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Analyte	Certifications
1,2,4-Trichlorobenzene	NCDEQ,WVDEP,VELAP,PADEP
1,2-Dichlorobenzene	NCDEQ,WVDEP,VELAP,PADEP
1,2-Diphenylhydrazine	WVDEP,VELAP
1,3-Dichlorobenzene	NCDEQ,WVDEP,VELAP,PADEP
1,3-Dinitrobenzene	NCDEQ,WVDEP,VELAP,PADEP
1,4-Dichlorobenzene	NCDEQ,WVDEP,VELAP,PADEP
1-Chloronaphthalene	NCDEQ,WVDEP,VELAP,PADEP
1-Naphthylamine	NCDEQ,WVDEP,VELAP,PADEP
2,3,4,6-Tetrachlorophenol	NCDEQ,WVDEP,VELAP,PADEP
2,4,5-Trichlorophenol	NCDEQ,WVDEP,VELAP,PADEP
2,4,6-Trichlorophenol	NCDEQ,WVDEP,VELAP,PADEP
2,4-Dichlorophenol	NCDEQ,WVDEP,VELAP,PADEP
2,4-Dimethylphenol	NCDEQ,WVDEP,VELAP,PADEP
2,4-Dinitrophenol	NCDEQ,WVDEP,VELAP,PADEP
2,4-Dinitrotoluene	NCDEQ,WVDEP,VELAP,PADEP
2,6-Dichlorophenol	NCDEQ,WVDEP,VELAP,PADEP
2,6-Dinitrotoluene	NCDEQ,WVDEP,VELAP,PADEP
2-Chloronaphthalene	NCDEQ,WVDEP,VELAP,PADEP
2-Chlorophenol	NCDEQ,WVDEP,VELAP,PADEP
2-Methylnaphthalene	NCDEQ,WVDEP,VELAP,PADEP
2-Naphthylamine	NCDEQ,WVDEP,VELAP,PADEP
2-Nitroaniline	NCDEQ,WVDEP,VELAP,PADEP
2-Nitrophenol	NCDEQ,WVDEP,VELAP,PADEP
3,3'-Dichlorobenzidine	NCDEQ,WVDEP,VELAP,PADEP
3-Methylcholanthrene	NCDEQ,WVDEP,VELAP,PADEP
3-Nitroaniline	NCDEQ,WVDEP,VELAP,PADEP
4,6-Dinitro-2-methylphenol	NCDEQ,WVDEP,VELAP,PADEP
4-Aminobiphenyl	NCDEQ,WVDEP,VELAP,PADEP

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Analyte	Certifications
4-Bromophenyl phenyl ether	NCDEQ,WVDEP,VELAP,PADEP
4-Chloroaniline	NCDEQ,WVDEP,VELAP,PADEP
4-Chlorophenyl phenyl ether	NCDEQ,WVDEP,VELAP,PADEP
4-Nitroaniline	NCDEQ,WVDEP,VELAP,PADEP
4-Nitrophenol	NCDEQ,WVDEP,VELAP,PADEP
7,12-Dimethylbenz (a) anthracene	NCDEQ,WVDEP,VELAP,PADEP
Acenaphthene	NCDEQ,WVDEP,VELAP,PADEP
Acenaphthylene	NCDEQ,WVDEP,VELAP,PADEP
Acetophenone	NCDEQ,WVDEP,VELAP,PADEP
Aniline	NCDEQ,WVDEP,VELAP,PADEP
Anthracene	NCDEQ,WVDEP,VELAP,PADEP
Benzidine	NCDEQ,WVDEP,VELAP,PADEP
Benzo (a) anthracene	NCDEQ,WVDEP,VELAP,PADEP
Benzo (a) pyrene	NCDEQ,WVDEP,VELAP,PADEP
Benzo (b) fluoranthene	NCDEQ,WVDEP,VELAP,PADEP
Benzo (g,h,i) perylene	NCDEQ,WVDEP,VELAP,PADEP
Benzo (k) fluoranthene	NCDEQ,WVDEP,VELAP,PADEP
Benzoic acid	NCDEQ,WVDEP,VELAP,PADEP
Benzyl alcohol	NCDEQ,WVDEP,VELAP,PADEP
bis (2-Chloroethoxy) methane	NCDEQ,WVDEP,VELAP,PADEP
bis (2-Chloroethyl) ether	NCDEQ,WVDEP,VELAP,PADEP
2,2'-Oxybis (1-chloropropane)	NCDEQ,WVDEP,VELAP,PADEP
bis (2-Ethylhexyl) phthalate	NCDEQ,WVDEP,VELAP,PADEP
Butyl benzyl phthalate	NCDEQ,WVDEP,VELAP,PADEP
Chrysene	NCDEQ,WVDEP,VELAP,PADEP
Dibenz (a,h) anthracene	NCDEQ,WVDEP,VELAP,PADEP
Dibenz (a,j) acridine	NCDEQ,WVDEP,VELAP,PADEP
Dibenzofuran	NCDEQ,WVDEP,VELAP,PADEP

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh

Date Issued: 3/4/2024 4:56:21PM

Client Site I.D.: Southside Park Landfill

Submitted To: Tom Raymond

Certified Analyses included in this Report

Analyte	Certifications
Diethyl phthalate	NCDEQ,WVDEP,VELAP,PADEP
Dimethyl phthalate	NCDEQ,WVDEP,VELAP,PADEP
Di-n-butyl phthalate	NCDEQ,WVDEP,VELAP,PADEP
Di-n-octyl phthalate	NCDEQ,WVDEP,VELAP
Diphenylamine	NCDEQ,WVDEP,VELAP,PADEP
Ethyl methanesulfonate	NCDEQ,WVDEP,VELAP,PADEP
Fluoranthene	NCDEQ,WVDEP,VELAP,PADEP
Fluorene	NCDEQ,WVDEP,VELAP,PADEP
Hexachlorobenzene	NCDEQ,WVDEP,VELAP,PADEP
Hexachlorobutadiene	NCDEQ,WVDEP,VELAP,PADEP
Hexachlorocyclopentadiene	NCDEQ,WVDEP,VELAP,PADEP
Hexachloroethane	NCDEQ,WVDEP,VELAP,PADEP
Indeno (1,2,3-cd) pyrene	NCDEQ,WVDEP,VELAP,PADEP
Isophorone	NCDEQ,WVDEP,VELAP,PADEP
m+p-Cresols	NCDEQ,WVDEP,VELAP,PADEP
Methyl methanesulfonate	NCDEQ,WVDEP,VELAP,PADEP
Naphthalene	NCDEQ,WVDEP,VELAP,PADEP
Nitrobenzene	NCDEQ,WVDEP,VELAP,PADEP
n-Nitrosodimethylamine	NCDEQ,WVDEP,VELAP,PADEP
n-Nitrosodi-n-butylamine	NCDEQ,WVDEP,VELAP,PADEP
n-Nitrosodi-n-propylamine	NCDEQ,WVDEP,VELAP,PADEP
n-Nitrosodiphenylamine	NCDEQ,WVDEP,VELAP,PADEP
n-Nitrosopiperidine	NCDEQ,WVDEP,VELAP,PADEP
o+m+p-Cresols	NCDEQ,WVDEP,VELAP,PADEP
o-Cresol	NCDEQ,WVDEP,VELAP,PADEP
p-(Dimethylamino) azobenzene	NCDEQ,WVDEP,VELAP
p-Chloro-m-cresol	NCDEQ,WVDEP,VELAP,PADEP
Pentachloronitrobenzene (quintozene)	NCDEQ,WVDEP

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Certificate of Analysis

Client Name: S&ME - Raleigh

Date Issued: 3/4/2024 4:56:21PM

Client Site I.D.: Southside Park Landfill

Submitted To: Tom Raymond

Certified Analyses included in this Report

Analyte	Certifications
Pentachlorophenol	NCDEQ,WVDEP,VELAP,PADEP
Phenacetin	NCDEQ,WVDEP,VELAP,PADEP
Phenanthrene	NCDEQ,WVDEP,VELAP,PADEP
Phenol	NCDEQ,WVDEP,VELAP,PADEP
Pronamide	NCDEQ,WVDEP,VELAP,PADEP
Pyrene	NCDEQ,WVDEP,VELAP,PADEP
Pyridine	NCDEQ,WVDEP,VELAP,PADEP
SW9056A in Solids	
Nitrate as N	VELAP,NCDEQ
Sulfate	VELAP,NCDEQ

Code	Description	Laboratory ID	Expires
MdDOE	Maryland DE Drinking Water	341	12/31/2024
NCDEQ	North Carolina DEQ	495	12/31/2024
NCDOH	North Carolina Department of Health	51714	07/31/2024
NYDOH	New York DOH Drinking Water	12069	04/01/2024
PADEP	NELAP-Pennsylvania Certificate #009	68-03503	10/31/2024
SCDHEC	South Carolina Dept of Health and Environmental Control Certificate 93016001	93016	06/14/2024
TXCEQ	Texas Comm on Environmental Quality #T104704576-23-1	T104704576	05/31/2024
VELAP	NELAP-Virginia Certificate #12759	460021	06/14/2024
WVDEP	West Virginia DEP	350	11/30/2024

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Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 3/4/2024 4:56:21PM

Qualifiers and Definitions

C	Continuing calibration verification response for this analyte is outside specifications.
DS	Surrogate concentration reflects a dilution factor.
E	Estimated concentration, outside calibration range
J	The reported result is an estimated value.
L	LCS recovery is outside of established acceptance limits
M	Matrix spike recovery is outside established acceptance limits
M2	Sample was diluted due to matrix interference.
M3	Method of Standard Additions (MSA) performed due to matrix interference.
P	Duplicate analysis does not meet the acceptance criteria for precision
S	Surrogate recovery was outside acceptance criteria

RPD	Relative Percent Difference
Qual	Qualifers
-RE	Denotes sample was re-analyzed
LOD	Limit of Detection, same as Method Detection Limit (MDL) as defined by 40 CFR 136 Appendix B
BLOD	Below Limit of Detection, same as Below Method Detection Limit (MDL) as defined by 40 CFR 136 Appendix B
LOQ	Limit of Quantitation
DF	Dilution Factor
DL	Detection Limit, same as MDL as defined by 40 CFR 136 Appendix B
TIC	Tentatively Identified Compounds are compounds that are identified by comparing the analyte mass spectral pattern with the NIST spectral library. A TIC spectral match is reported when the pattern is at least 75% consistent with the published pattern. Compound concentrations are estimated and are calculated using an internal standard response factor of 1.
PCBs, Total	Total PCBs are defined as the sum of detected Aroclors 1016, 1221, 1232, 1248, 1254, 1260, 1262, and 1268.

Enthalpy Analytical
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Richmond, Virginia 23237
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(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 3/4/2024 4:56:21PM

ENTHALPY ANALYTICAL

1941 REYMET ROAD
RICHMOND, VIRGINIA 23237
(804) 358-8295 PHONE
(804)358-8297 FAX

Chain of Custody
Effective: [illegible]10, 2021

CHAIN OF CUSTODY

COMPANY NAME: S&ME Raleigh	INVOICE TO:	PROJECT NAME/Quote #: Southside Park Landfill
CONTACT: Sarah Taylor; Tom Raymond	INVOICE CONTACT:	SITE NAME:
ADDRESS: 3201 Spring Forest Rd, Raleigh, NC 27616	INVOICE ADDRESS:	PROJECT NUMBER: ~~212592~~ 215952
PHONE #: 910.388.4320	INVOICE PHONE #:	P.O. #: 215952
FAX #: EMAIL: staylor@smeinc.com; traymond@smeinc.com		Pretreatment Program:

Is sample for compliance reporting? YES (NO) Regulatory State: NC Is sample from a chlorinated supply? YES (NO) PWS I.D. #:

SAMPLER NAME (PRINT): MATTHEW Brundage SAMPLER SIGNATURE: Matthew Brundage Turn Around Time: Circle (10) 5 Days or _Day(s)

Matrix Codes: WW=Waste Water/Storm Water GW=Ground Water DW=Drinking Water S=Soil/Solids OR=Organic A=Air WP=Wipe OT=Other_____

	CLIENT SAMPLE I.D.	Grab	Composite	Field Filtered (Dissolved Metals)	Composite Start Date	Composite Start Time	Grab Date or Composite Stop Date	Grab Time or Composite Stop Time	Time Preserved	Matrix (See Codes)	Number of Containers	SVOC, 1,4-Dioxane (SIM) SW8270	Ag, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb Se, Tl V, Zn - SW6020	CrVI SW7199; Hg SW7471	Ammonia EPA350.1; Nitrate SW9056; Sulfate SW9056	VOC SW8260	Percent Solids			COMMENTS
												ANALYSIS / (PRESERVATIVE)								Preservative Codes: N=Nitric Acid C=Hydrochloric Acid S=Sulfuric Acid H=Sodium Hydroxide A=Ascorbic Acid Z=Zinc Acetate T=Sodium Thiosulfate M=Methanol
1)	SC-58		X		2/14/24		2/14/24	1045	-	S	5	x	x	x	x	x	x			*REPORT IN DRY WEIGHT
2)	SC-57		X		↓		↓	1120		S		x	x	x	x	x	x			PLEASE NOTE PRESERVATIVE(S), INTERFERENCE CHECKS or PUMP RATE (L/min)
3)	SC-59		X					1140		S		x	x	x	x	x	x			
4)	SC-64		X					1220		S		x	x	x	x	x	x			
5)	SC 62		X					1240		S		x	x	x	x	x	x			
6)	Dup 8		X		↓		↓	—		S		x	x	x	x	x	x			
7)										S		x	x	x	x	x	x			
8)										S		x	x	x	x	x	x			
9)										S		x	x	x	x	x	x			
10)										S		x	x	x	x	x	x			

RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME
Matthew Brundage	2/14/24	LCN	
LCN			
			2/15/24 0800
RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME

QC Data Package
Level III ☐
Level IV ☐

LAB USE ONLY Therm ID: 338 COOLER TEMP 2.3 °C
Custody Seals used and intact? (Y (N)) Received on ice? (Y) N)

S&ME - NC **24B0796**
Southside Park Landfill
Recd: 02/15/2024 Due: 02/29/2024

ENTHALPY ANALYTICAL

1941 REYMET ROAD
RICHMOND, VIRGINIA 23237
(804) 358-8295 PHONE
(804)358-8297 FAX

Chain of Custody
Effective: 10, 2021

CHAIN OF CUSTODY

COMPANY NAME: S&ME Raleigh	INVOICE TO:	PROJECT NAME/Quote #: Southside Park Landfill
CONTACT: Sarah Taylor; Tom Raymond	INVOICE CONTACT:	SITE NAME:
ADDRESS: 3201 Spring Forest Rd, Raleigh, NC 27616	INVOICE ADDRESS:	PROJECT NUMBER: 215952
PHONE #: 910.388.4320	INVOICE PHONE #:	P.O. #: 215952
FAX #: EMAIL: staylor@smeinc.com; traymond@smeinc.com		Pretreatment Program:
Is sample for compliance reporting? YES (NO)	Regulatory State: NC	Is sample from a chlorinated supply? YES (NO) PWS I.D. #:
SAMPLER NAME (PRINT): MATTHEW Brundage	SAMPLER SIGNATURE: Matthew Brundage	Turn Around Time: Circle (10) 5 Days or _Day(s)

Matrix Codes: WW=Waste Water/Storm Water GW=Ground Water DW=Drinking Water S=Soil/Solids OR=Organic A=Air WP=Wipe OT=Other_____

	CLIENT SAMPLE I.D.	Grab	Composite	Field Filtered (Dissolved Metals)	Composite Start Date	Composite Start Time	Grab Date or Composite Stop Date	Grab Time or Composite Stop Time	Time Preserved	Matrix (See Codes)	Number of Containers	ANALYSIS / (PRESERVATIVE) Percent Solids	Ag, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb Se, Tl V, Zn - SW6020	CrVI SW7199; Hg SW7471					
1)	BG-101	X					2/15/24	0950	N/A	S	1		X	X					
2)	BG-102	↓					↓	1000	↓	S			↓	↓					
3)	BG-103							1010		S									
4)	BG-104							1015		S									
5)	BG-105							1025		S									
6)	BG-106							1030		S									
7)	BG-107							1035		S									
8)	BG-108							1040		S									
9)	BG-109							1045		S									
10)	BG-110	↓					↓	1050	↓	S			↓	↓					

COMMENTS

Preservative Codes: N=Nitric Acid C=Hydrochloric Acid S=Sulfuric Acid H=Sodium Hydroxide A=Ascorbic Acid Z=Zinc Acetate T=Sodium Thiosulfate M=Methanol

PLEASE NOTE PRESERVATIVE(S), INTERFERENCE CHECKS or PUMP RATE (L/min)

RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME
Matthew Brundage	2/15/24 1500	LCN	
LCN		Hannah Ard	2/16/24 0800

QC Data Package
Level III ☐
Level IV ☐

LAB USE ONLY Therm ID: 339 COOLER TEMP 3.0 °C
Custody Seals used and intact? (Y / (N)) Received on ice? ((Y) / N)

S&ME - NC
Southside Park Landfill
24B0963
Recd: 02/16/2024 Due: 03/01/2024

thside Park.xls

v130325002

ENTHALPY ANALYTICAL

1941 REYMET ROAD
RICHMOND, VIRGINIA 23237
(804) 358-8295 PHONE
(804)358-8297 FAX

Chain of Custody
Effective 10, 2021

CHAIN OF CUSTODY

COMPANY NAME: S&ME Raleigh	INVOICE TO:	PROJECT NAME/Quote #: Southside Park Landfill
CONTACT: Sarah Taylor; Tom Raymond	INVOICE CONTACT:	SITE NAME:
ADDRESS: 3201 Spring Forest Rd, Raleigh, NC 27616	INVOICE ADDRESS:	PROJECT NUMBER: 215952
PHONE #: 910.388.4320	INVOICE PHONE #:	P.O. #: 215952
FAX #: EMAIL: staylor@smeinc.com; traymond@smeinc.com		Pretreatment Program:
Is sample for compliance reporting? YES (NO)	Regulatory State: NC	Is sample from a chlorinated supply? YES (NO) PWS I.D. #:
SAMPLER NAME (PRINT): Matthew Brundage	SAMPLER SIGNATURE: Matthew Brundage	Turn Around Time: Circle (10) 5 Days or _Day(s) STAT

Matrix Codes: WW=Waste Water/Storm Water GW=Ground Water DW=Drinking Water S=Soil/Solids OR=Organic A=Air WP=Wipe OT=Other_____

CLIENT SAMPLE I.D.	Grab	Composite	Field Filtered (Dissolved Metals)	Composite Start Date	Composite Start Time	Grab Date or Composite Stop Date	Grab Time or Composite Stop Time	Time Preserved	Matrix (See Codes)	Number of Containers	ANALYSIS / (PRESERVATIVE) Percent Solids	Ag, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb Se, Tl V, Zn - SW6020	CrVI SW7199; Hg SW7471					
1) BG-111	X					2/15/24	1055	N/A	S	1		X	X					
2) BG-112	↓						1100	↓	S	↓		↓	↓					
3) BG-113							1105		S									
4) BG-114							1110		S									
5) BG-115							1225		S									
6) BG-116							1234		S									
7) BG-117							1243		S									
8) BG-118							1250		S									
9) BG-119							1257		S									
10) BG-120	↓					↓	1302	↓	S	↓		↓	↓					

COMMENTS

Preservative Codes: N=Nitric Acid C=Hydrochloric Acid S=Sulfuric Acid H=Sodium Hydroxide A=Ascorbic Acid Z=Zinc Acetate T=Sodium Thiosulfate M=Methanol

PLEASE NOTE PRESERVATIVE(S), INTERFERENCE CHECKS or PUMP RATE (L/min)

RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME
Matthew Brundage	2/15/24 1500	LCN	
LCN		Hannah Ard	2/16/24 0800

QC Data Package
Level III ☐
Level IV ☐

LAB USE ONLY Therm ID: 338 COOLER TEMP 3.0 °C
Custody Seals used and intact? (Y / (N)) Received on ice? (Y) / N)

S&ME - NC 24B0963
Southside Park Landfill
Recd: 02/16/2024 Due: 03/01/2024

CHAIN OF CUSTODY

PAGE 1 OF 3

COMPANY NAME: S&ME Raleigh	INVOICE TO:	PROJECT NAME/Quote #: Southside Park Landfill
CONTACT: Sarah Taylor; Tom Raymond	INVOICE CONTACT:	SITE NAME:
ADDRESS: 3201 Spring Forest Rd, Raleigh, NC 27616	INVOICE ADDRESS:	PROJECT NUMBER: 215952
PHONE #: 910.388.4320	INVOICE PHONE #:	P.O. #: 215952
FAX #:	EMAIL: staylor@smeinc.com; traymond@smeinc.com	Pretreatment Program:
Is sample for compliance reporting? YES (NO)	Regulatory State: NC / Is sample from a chlorinated supply? YES (NO)	PWS I.D. #:
SAMPLER NAME (PRINT): MATTHEW Brundage	SAMPLER SIGNATURE: Matthew Brundage	Turn Around Time: Circle (10) 5 Days or _Day(s)

Matrix Codes: WW=Waste Water/Storm Water GW=Ground Water DW=Drinking Water S=Soil/Solids OR=Organic A=Air WP=Wipe OT=Other____________

ANALYSIS / (PRESERVATIVE)

	CLIENT SAMPLE I.D.	Grab	Composite	Field Filtered (Dissolved Metals)	Composite Start Date	Composite Start Time	Grab Date or Composite Stop Date	Grab Time or Composite Stop Time	Time Preserved	Matrix (See Codes)	Number of Containers	Percent Solids	Ag, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb Se, Tl V, Zn - SW6020	CrVI SW7199; Hg SW7471					COMMENTS
1)	BG-121	X					2/15/24	1306	N/A	S	1		X	X					
2)	BG-122	↓					↓	1315	↓	S	↓		↓	↓					
3)	BG-123	↓					↓	1320	↓	S	↓		↓	↓					
4)	BG-124	↓					↓	1325	↓	S	↓		↓	↓					
5)	Dup-9	↓					↓	—	↓	S	↓		↓	↓					
6)	Trip Blank							—		S									
7)										S									
8)										S									
9)										S									
10)										S									

COMMENTS: Preservative Codes: N=Nitric Acid C=Hydrochloric Acid S=Sulfuric Acid H=Sodium Hydroxide A=Ascorbic Acid Z=Zinc Acetate T=Sodium Thiosulfate M=Methanol

PLEASE NOTE PRESERVATIVE(S) INTERFERENCE CHECKS or PUMP RATE (L/min)

RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME	QC Data Package	
Matthew Brundage	2/15/24 1500	LCN			
RELINQUISHED: LCN	DATE / TIME	RECEIVED: [signature]	2/16/24 0900	Level III	☐
RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME	Level IV	☐

LAB USE ONLY Therm ID: 338 COOLER TEMP 3.0 °C
Custody Seals used and intact? (Y / (N)) Received on ice? ((Y) / N)

S&ME - NC 24B0963
Southside Park Landfill
Recd: 02/16/2024 Due: 03/01/2024

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 3/4/2024 4:56:21PM

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh

Date Issued: 3/4/2024 4:56:21PM

Client Site I.D.: Southside Park Landfill

Submitted To: Tom Raymond

Laboratory Order ID: 24B0796

Sample Conditions Checklist

Samples Received at:	**2.30°C**
How were samples received?	Logistics Courier
Were Custody Seals used? If so, were they received intact?	No
Are the custody papers filled out completely and correctly?	No
Do all bottle labels agree with custody papers?	No
Is the temperature blank or representative sample within acceptable limits or received on ice, and recently taken?	Yes
Are all samples within holding time for requested laboratory tests?	Yes
Is a sufficient amount of sample provided to perform the tests included?	Yes
Are all samples in appropriate containers for the analyses requested?	Yes
Were volatile organic containers received?	No
Are all volatile organic and TOX containers free of headspace?	NA
Is a trip blank provided for each VOC sample set? VOC sample sets include EPA8011, EPA504, EPA8260, EPA624, EPA8015 GRO, EPA8021, EPA524, and RSK-175.	NA
Are all samples received appropriately preserved? Note that metals containers do not require field preservation but lab preservation may delay analysis. In addition, field parameters are always received outside holding time and will be marked accordingly.	Yes

Work Order Comments

Tom Raymond notified via email for confirmation of the ssample ID and sample collection time for sample 6. HEG 2/15/24 0927

Sample 6 logged for collection time of 1050 per Tom Raymond via email. HEG 2/15/24 1016

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 3/4/2024 4:56:21PM

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh

Date Issued: 3/4/2024 4:56:21PM

Client Site I.D.: Southside Park Landfill

Submitted To: Tom Raymond

Laboratory Order ID: 24B0963

Sample Conditions Checklist

Samples Received at:	**3.00°C**
How were samples received?	Logistics Courier
Were Custody Seals used? If so, were they received intact?	No
Are the custody papers filled out completely and correctly?	No
Do all bottle labels agree with custody papers?	Yes
Is the temperature blank or representative sample within acceptable limits or received on ice, and recently taken?	Yes
Are all samples within holding time for requested laboratory tests?	Yes
Is a sufficient amount of sample provided to perform the tests included?	Yes
Are all samples in appropriate containers for the analyses requested?	Yes
Were volatile organic containers received?	No
Are all volatile organic and TOX containers free of headspace?	NA
Is a trip blank provided for each VOC sample set? VOC sample sets include EPA8011, EPA504, EPA8260, EPA624, EPA8015 GRO, EPA8021, EPA524, and RSK-175.	NA
Are all samples received appropriately preserved? Note that metals containers do not require field preservation but lab preservation may delay analysis. In addition, field parameters are always received outside holding time and will be marked accordingly.	Yes

Work Order Comments

Samples logged for percent solids per methods requested. HEG 2/16/24

Tom Raymond and Sarah Taylor notified via email for sample "DUP-9" logged for collection time per jar received. HEG 2/16/24 1427

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 3/4/2024 4:56:21PM

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh

Date Issued: 3/4/2024 4:56:21PM

Client Site I.D.: Southside Park Landfill

Submitted To: Tom Raymond

Laboratory Order ID: 24B1009

Sample Conditions Checklist

Samples Received at:	
How were samples received?	Logistics Courier
Were Custody Seals used? If so, were they received intact?	No
Are the custody papers filled out completely and correctly?	No
Do all bottle labels agree with custody papers?	No
Is the temperature blank or representative sample within acceptable limits or received on ice, and recently taken?	No
Are all samples within holding time for requested laboratory tests?	No
Is a sufficient amount of sample provided to perform the tests included?	No
Are all samples in appropriate containers for the analyses requested?	No
Were volatile organic containers received?	No
Are all volatile organic and TOX containers free of headspace?	NA
Is a trip blank provided for each VOC sample set? VOC sample sets include EPA8011, EPA504, EPA8260, EPA624, EPA8015 GRO, EPA8021, EPA524, and RSK-175.	NA
Are all samples received appropriately preserved? Note that metals containers do not require field preservation but lab preservation may delay analysis. In addition, field parameters are always received outside holding time and will be marked accordingly.	No

Work Order Comments

Enthalpy Analytical
1941 Reymet Road
Richmond, Virginia 23237
(804)-358-8295 - Telephone
(804)-358-8297 - Fax

Certificate of Analysis

Client Name: S&ME - Raleigh
Client Site I.D.: Southside Park Landfill
Submitted To: Tom Raymond

Date Issued: 3/4/2024 4:56:21PM

Appendix VI – Geophysical Survey Report

January 10, 2024

S&ME, Inc.
3201 Spring Forest Road
Raleigh, NC 27616

Attention: Mr. Tom Raymond

Reference: **Report for Geophysical Services**
Southside Park Pre-Reg Landfill
Charlotte, Mecklenburg, North Carolina
S&ME Project No. 215952

Dear Mr. Raymond:

S&ME, Inc. (S&ME) has performed geophysical services at the above referenced site located in Charlotte, North Carolina (Figure 1). These services were performed in general accordance with S&ME Proposal No. 23350692 dated October 27, 2023.

Project Information

We understand that S&ME is performing consulting services at Southside Park located near 2645 Toomey Avenue, Charlotte, Mecklenburg County, North Carolina (Figure 1). The site is a pre-regulatory landfill comprised of eleven (11) parcels that cover approximately 14.1-acres. It is predominantly flat and vegetated with grass fields, trees, and some park and playground equipment. S&ME requested we provide a geophysical survey using the Frequency Domain Electromagnetic (FDEM) method to assist with delineating the on-site lateral extents of the landfill.

Methodology and Field Services

On December 15, 2023, S&ME completed an FDEM survey within the requested area in an effort to identify the extent of the existing landfill (Figure 2). A brief description of the geophysical technique is presented in the following paragraphs.

Frequency Domain Electromagnetics (FDEM)

FDEM measures subsurface conductivity as lateral changes in conductivity of the subsurface typically indicate lateral changes in the subsurface materials (e.g., generally more conductive buried landfill material/debris compared to surrounding soils). FDEM measurements are collected by inducing (from a transmitter) a frequency-varying magnetic field and measuring (with a receiver) the amplitude and phase shift of an induced secondary magnetic field. The secondary magnetic field is created by subsurface conductive materials behaving as an inductor as the primary magnetic field passed through them. Both the conductivity and in-phase components of the electromagnetic field are recorded as a weighted average based on the dipole center distance (separation between the transmitter and receiver) and orientation (vertical versus horizontal) of the FDEM instrument. The "terrain" conductivity phase component, which is also referred to as the quadrature phase component, is

measured in milliSiemens per meter (mS/m) and provides a measurement of conductivity. The in-phase mode, measured in parts per thousand (ppt), is responsive to metallic objects/materials.

We used a GF Instruments CMD Explorer electromagnetic conductivity meter in general accordance with ASTM D6639 "*Standard Guide for Using the Frequency Domain Electromagnetic Method for Subsurface Investigations.*" The CMD Explorer system utilizes three separate dipole center distances effectively providing three separate weighted bulk average exploration depths of 7, 14, and 22 feet in the vertical dipole mode. FDEM data profiles were generally acquired along perpendicular lines spaced approximately 100 feet or less between each transect using a sub-meter GPS as positioning support (Figure 2). Data path locations were generally based on access.

The CMD data transfer software was used to download and interpolate data, and Golden Software's Surfer® was used to grid and plot the data (Figures 3 through 14). Presenting multiple bulk average ranges for the FDEM data allows for an additional qualitative assessment associated with subsurface material contrasts at depth. The FDEM data has been presented in two plots (Plots A and B) to provide both opaque and semi-transparent overlays on aerial images, respectively. The semi-transparent view allows for spatial comparison between the FDEM data and site features present in the aerial.

♦ Results

The following summarizes the results of the geophysical services:

- FDEM terrain conductivity responses for the 7, 14, and 22 feet weighted bulk average exploration depths generally range between about 0 and 100 mS/m (Figures 3 through 8), and the in-phase component of the FDEM data responses generally range between about -15 and 15 ppt (Figures 9 through 14).
- Based on experience, typical terrain conductivities of buried landfill waste materials are greater than about 20 mS/m, whereas typical background conductivity values are typically less than 20 mS/m. As such, it appears that lateral variations in subsurface materials consistent with possible buried waste materials can be identified in the conductivity data sets collected within the surveyed area. In addition, there may be two general waste areas (East and West) separated by a slight break as indicated by a change in conductivity within the overall interpreted limits.
- Approximate interpreted landfill extents within the surveyed areas are presented in the figures. The interpreted extents of possible landfill material were also provided separately at approximate 25-foot increments in a digital spreadsheet format.
- Several isolated areas/targets associated with buried metallic features (in-phase responses) that are unrelated to known surficial targets such as reinforced concrete, fences, benches, soccer goals, trash cans, etc. can also be identified in the FDEM data sets. Based on the limited number of in-phase responses identified within the interpreted waste limits, it appears that the amount of buried metal at this site is likely relatively small.

Limitations

Regardless of the thoroughness of a geophysical survey, there is always a possibility that actual conditions may not match the interpretations. The results should be considered accurate only to the degree implied by the methods used and the method's limitations and data coverage. Accordingly, the possibility exists that not all features at a project site will be located due to either subsurface soil conditions or the occurrence of features outside the lateral limits and below the depth of penetration of the method used. As with most surface geophysical methods, resolution of the subsurface also decreases with depth. As such, the size and/or contrast of features compared to the imaged subsurface media must be significant enough to produce the anticipated response. The location and/or determination (or the lack thereof) of potential buried features is based on our review of the provided information and of the geophysical survey. Under no circumstances does S&ME assume any responsibility for damages resulting from the presence of subsurface features that may exist but were not identified by our survey. The geophysical method used for this survey also have inherent limitations. Site metallic features (e.g., fences, vehicles, etc.) and overhead transmission lines can produce a false electromagnetic response. FDEM is also limited in capability to resolve vertical variations of the subsurface in the data.

Closure

S&ME appreciates the opportunity to assist you during this phase of the project. If you should have any questions concerning this report or if we may be of further assistance, please contact us.

Sincerely,

S&ME, Inc.

Nadia Fantello
Project Geophysicist

Jason B. Cox, PG (GA)
Project Geophysicist/Manager

Senior reviewed by: David A. Bixler II, PE

Attachments: Figures 1 through 14

Date: 12/15/2023

Photographer: Jason Cox

1	**Location / Orientation**	Southeast of the requested survey area / Looking toward the intersection of Baltimore Ave. and Benjamin St.
	Remarks	Sewer component laydown area.

Date: 12/15/2023

Photographer: Jason Cox

2	**Location / Orientation**	NW of basketball court / Looking SW
	Remarks	Storm sewer drop inlet with adjacent sinkhole

Date: 12/15/2023

Photographer: Jason Cox

3	**Location / Orientation**	Eastern end of survey area / Looking SE towards townhomes on Baltimore Ave.
	Remarks	Abandoned bicycle

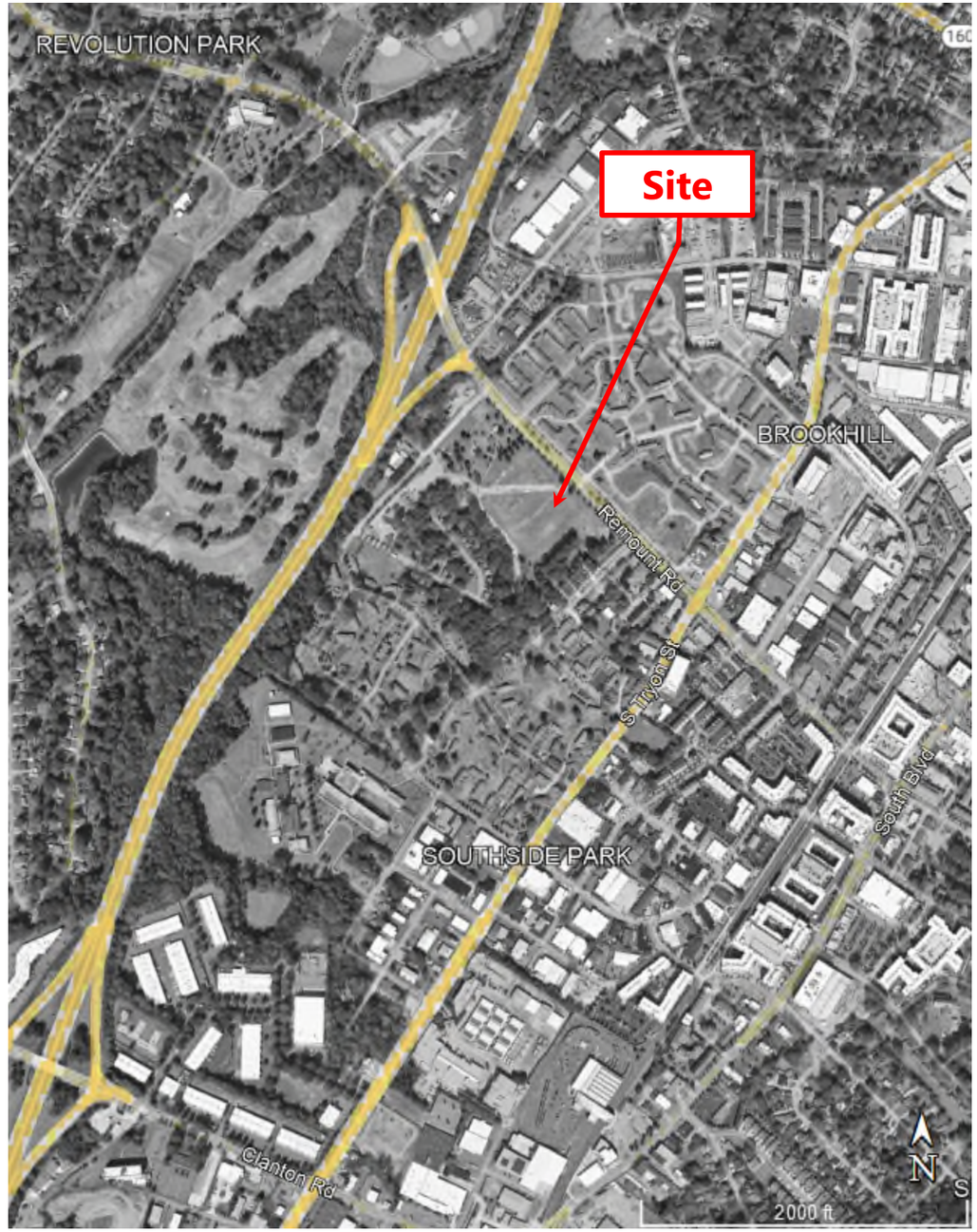
Date: 12/15/2023

Photographer: Jason Cox

4	**Location / Orientation**	NW central portion of the requested survey area / Looking to the North
	Remarks	Observed surface depression with standing water

Attachments

REFERENCE:
GOOGLE EARTH PRO AERIAL PHOTOGRAPH (DATED DECEMBER 13, 2021). THIS PLAN IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED AND NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.



SITE VICINITY PLAN

SOUTHSIDE PARK PRE-REG LANDFILL
CHARLOTTE, MECKLENBURG COUNTY, NORTH CAROLINA

SCALE:
NOT TO SCALE

DATE:
1/10/2024

PROJECT NUMBER
215952

FIGURE NO.
1

REFERENCE:
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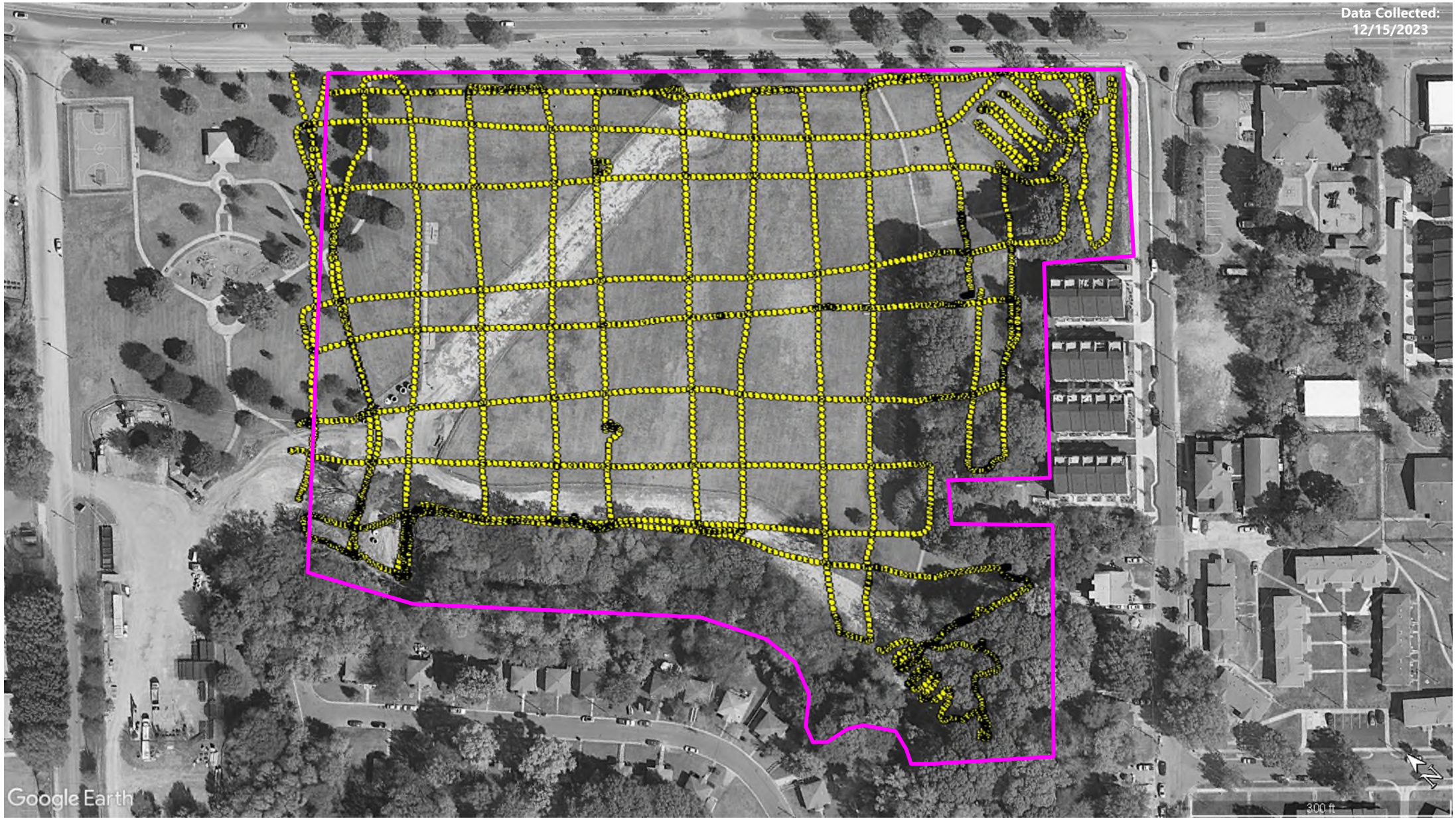

LEGEND

FDEM Data Path

Requested Survey area

FDEM SURVEY DATA PATH

SOUTHSIDE PARK PRE-REG LANDFILL
CHARLOTTE, MECKLENBURG COUNTY, NORTH CAROLINA

SCALE:
AS SHOWN

DATE:
1/10/2024

PROJECT NUMBER
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FIGURE NO.
2

REFERENCE:
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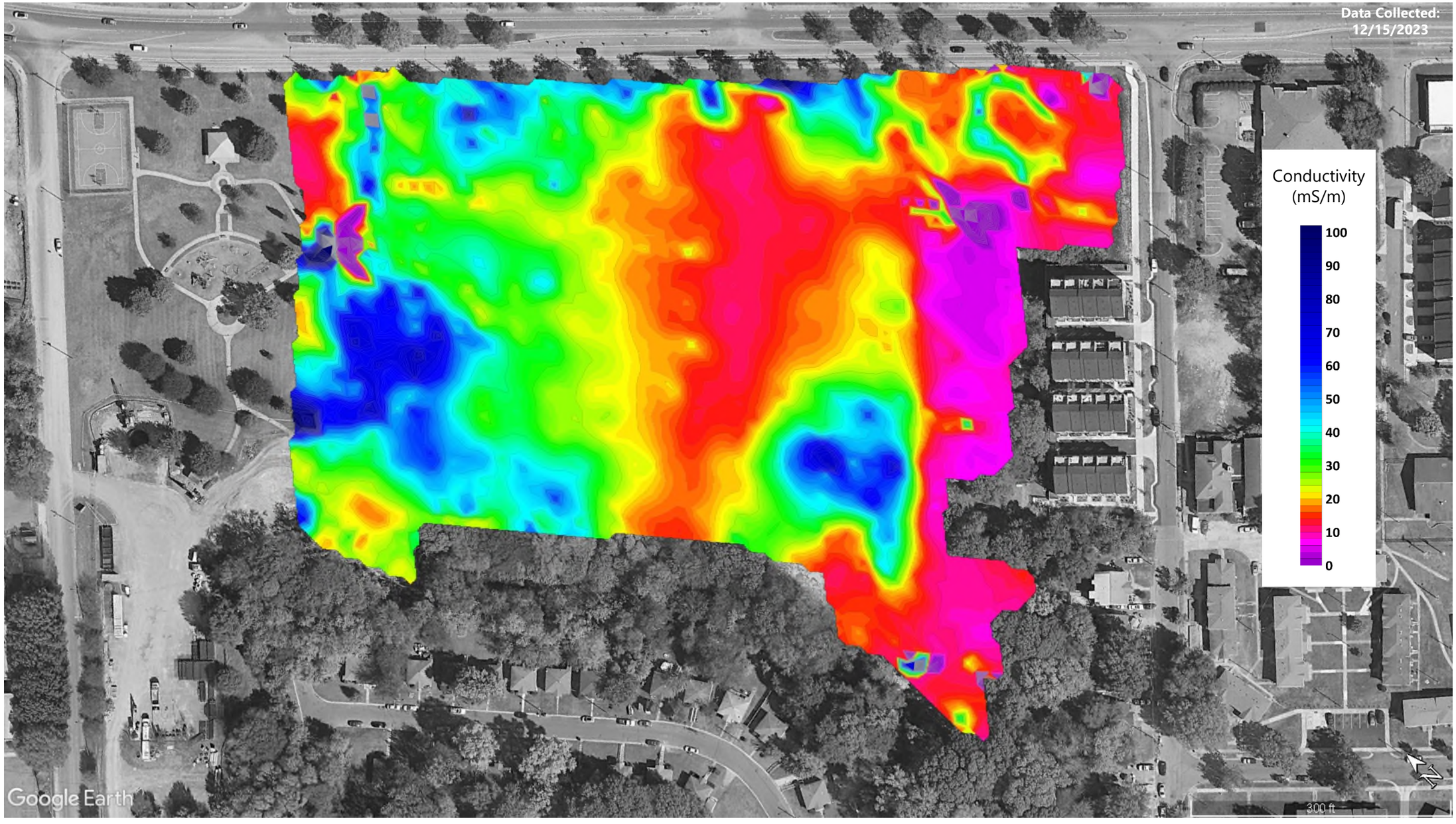

FDEM CONDUCTIVITY DATA PLOT A - OPAQUE (7 FEET)

SOUTHSIDE PARK PRE-REG LANDFILL
CHARLOTTE, MECKLENBURG COUNTY, NORTH CAROLINA

SCALE:
AS SHOWN

DATE:
1/10/2024

PROJECT NUMBER
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FIGURE NO.
3

REFERENCE:
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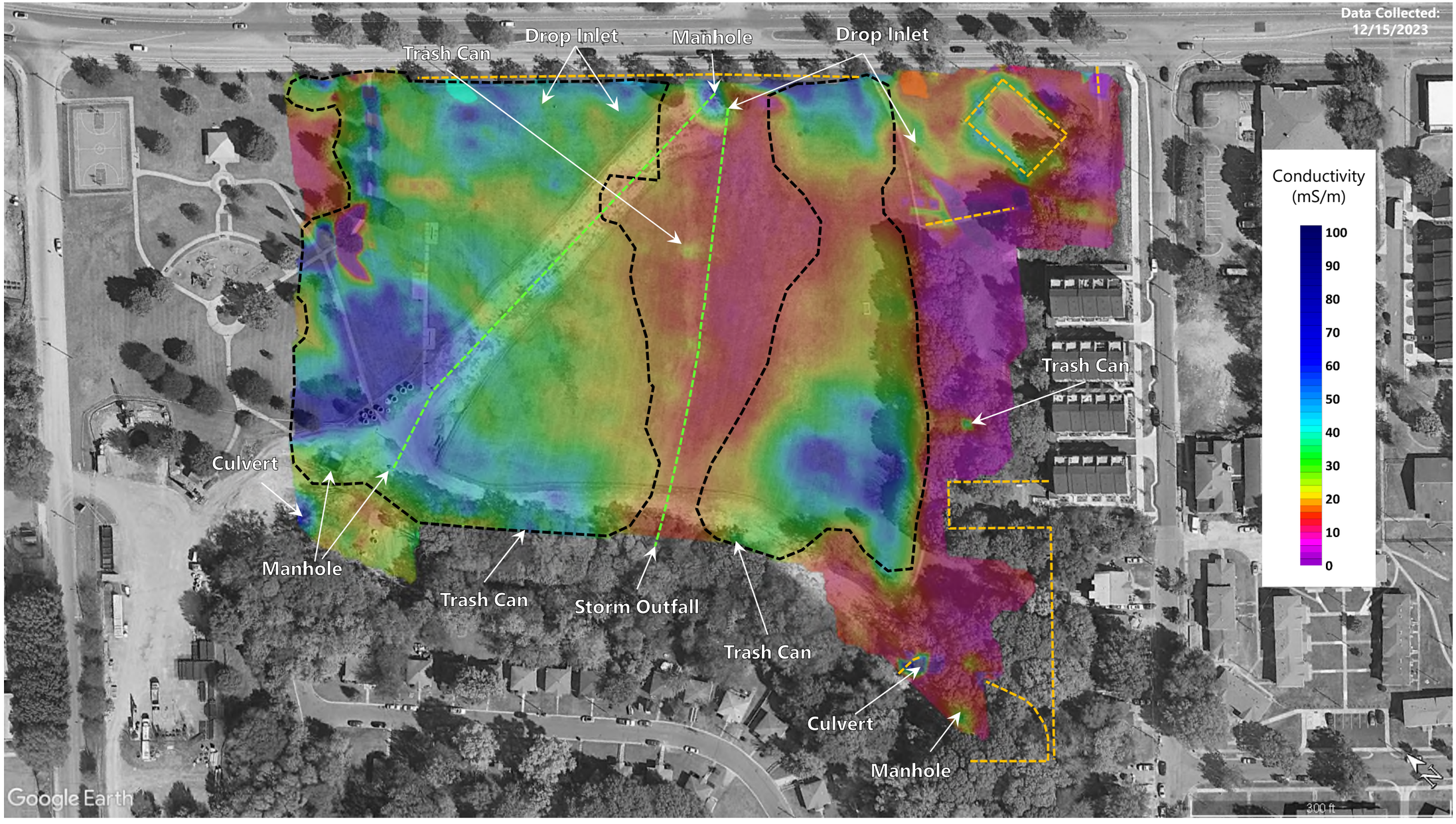

LEGEND

Interpreted Extent of Possible Landfill

Probable Sewer Utility

Fencing and Handrails

FDEM CONDUCTIVITY DATA PLOT B - SEMI-TRANSPARENT (7 FEET)

SOUTHSIDE PARK PRE-REG LANDFILL
CHARLOTTE, MECKLENBURG COUNTY, NORTH CAROLINA

SCALE:
AS SHOWN

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1/10/2024

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FIGURE NO.
4

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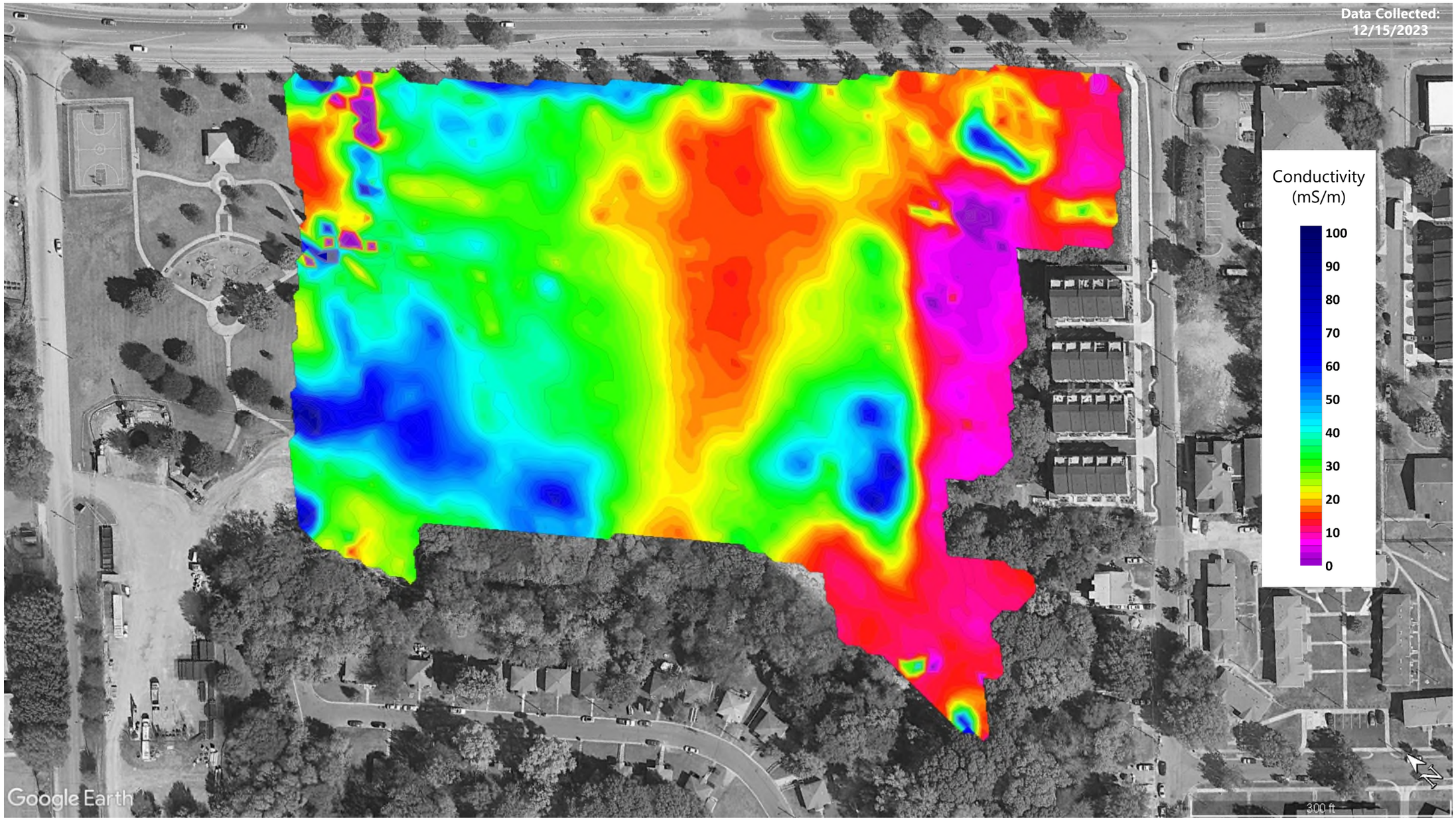

FDEM CONDUCTIVITY DATA PLOT A - OPAQUE (14 FEET)

SOUTHSIDE PARK PRE-REG LANDFILL
CHARLOTTE, MECKLENBURG COUNTY, NORTH CAROLINA

SCALE:
AS SHOWN

DATE:
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FIGURE NO.
5

REFERENCE:
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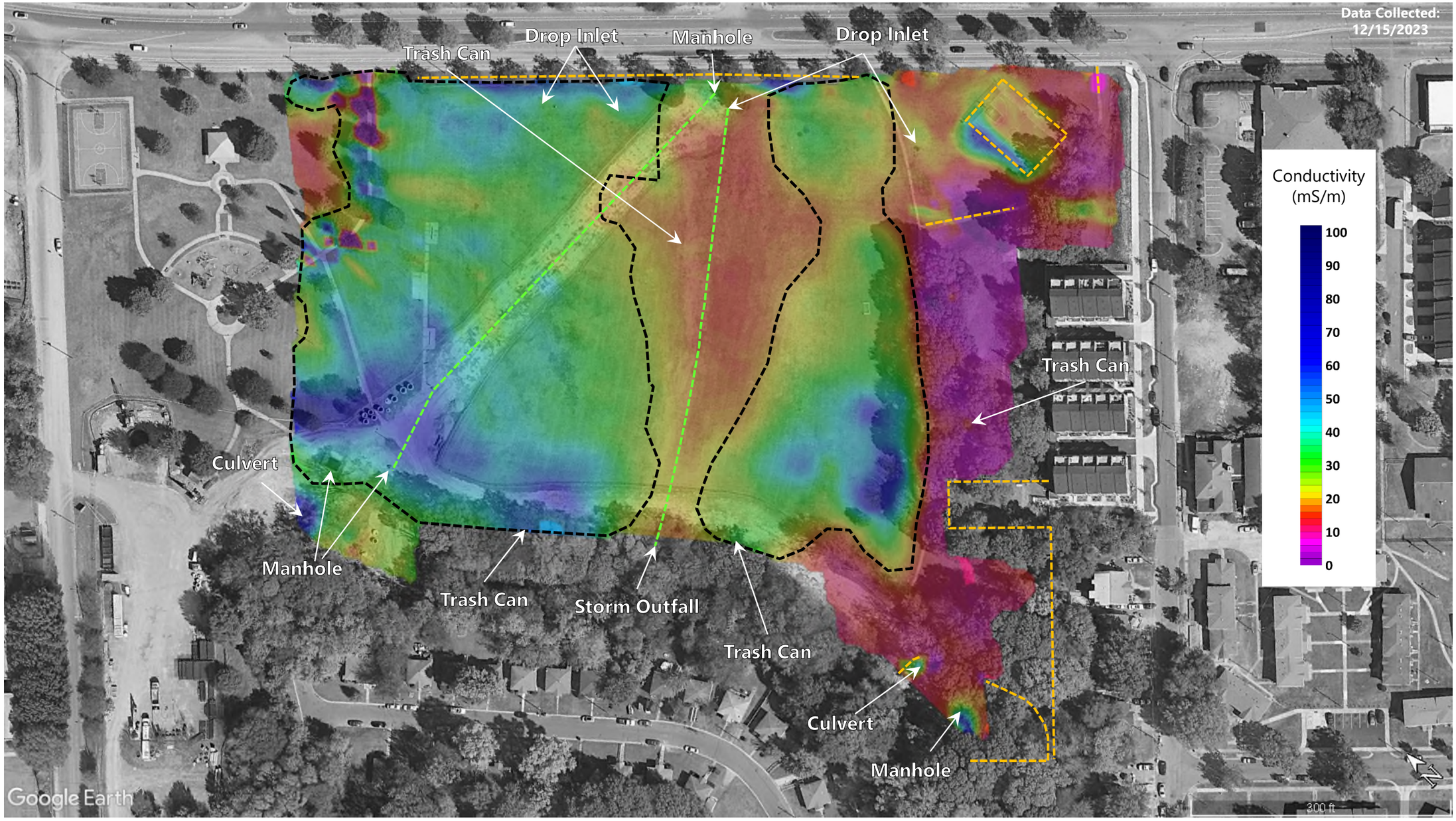

LEGEND

Interpreted Extent of Possible Landfill

Probable Sewer Utility

Fencing and Handrails

FDEM CONDUCTIVITY DATA PLOT B - SEMI-TRANSPARENT (14 FEET)

SOUTHSIDE PARK PRE-REG LANDFILL
CHARLOTTE, MECKLENBURG COUNTY, NORTH CAROLINA

SCALE: AS SHOWN

DATE: 1/10/2024

PROJECT NUMBER 215952

FIGURE NO. **6**

REFERENCE:
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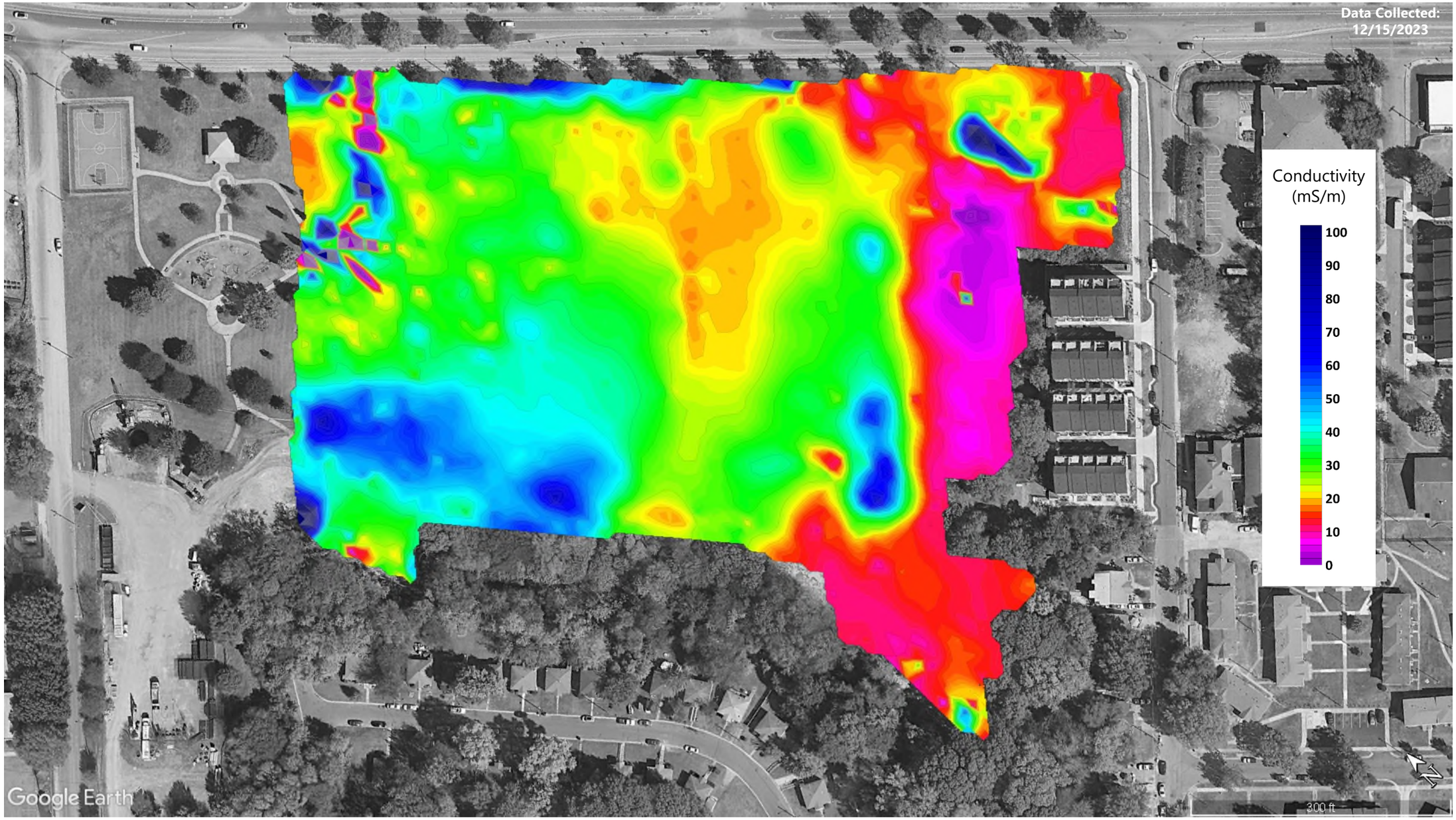

FDEM CONDUCTIVITY DATA PLOT A - OPAQUE (22 FEET)

SOUTHSIDE PARK PRE-REG LANDFILL
CHARLOTTE, MECKLENBURG COUNTY, NORTH CAROLINA

SCALE:
AS SHOWN

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1/10/2024

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FIGURE NO.
7

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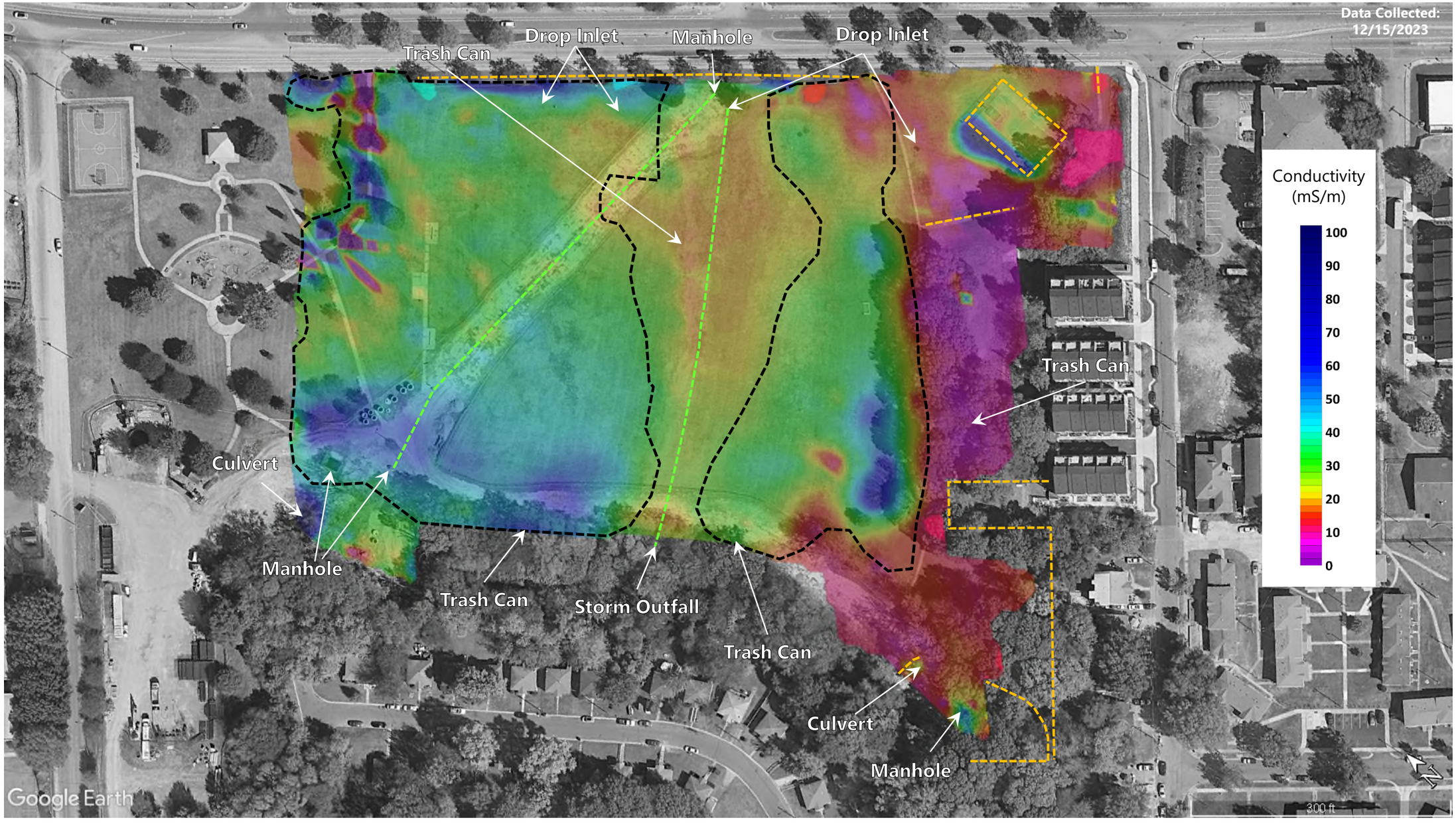

LEGEND

Interpreted Extent of Possible Landfill

Probable Sewer Utility

Fencing and Handrails

FDEM CONDUCTIVITY DATA PLOT B - SEMI-TRANSPARENT (22 FEET)

SOUTHSIDE PARK PRE-REG LANDFILL
CHARLOTTE, MECKLENBURG COUNTY, NORTH CAROLINA

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FIGURE NO.
8

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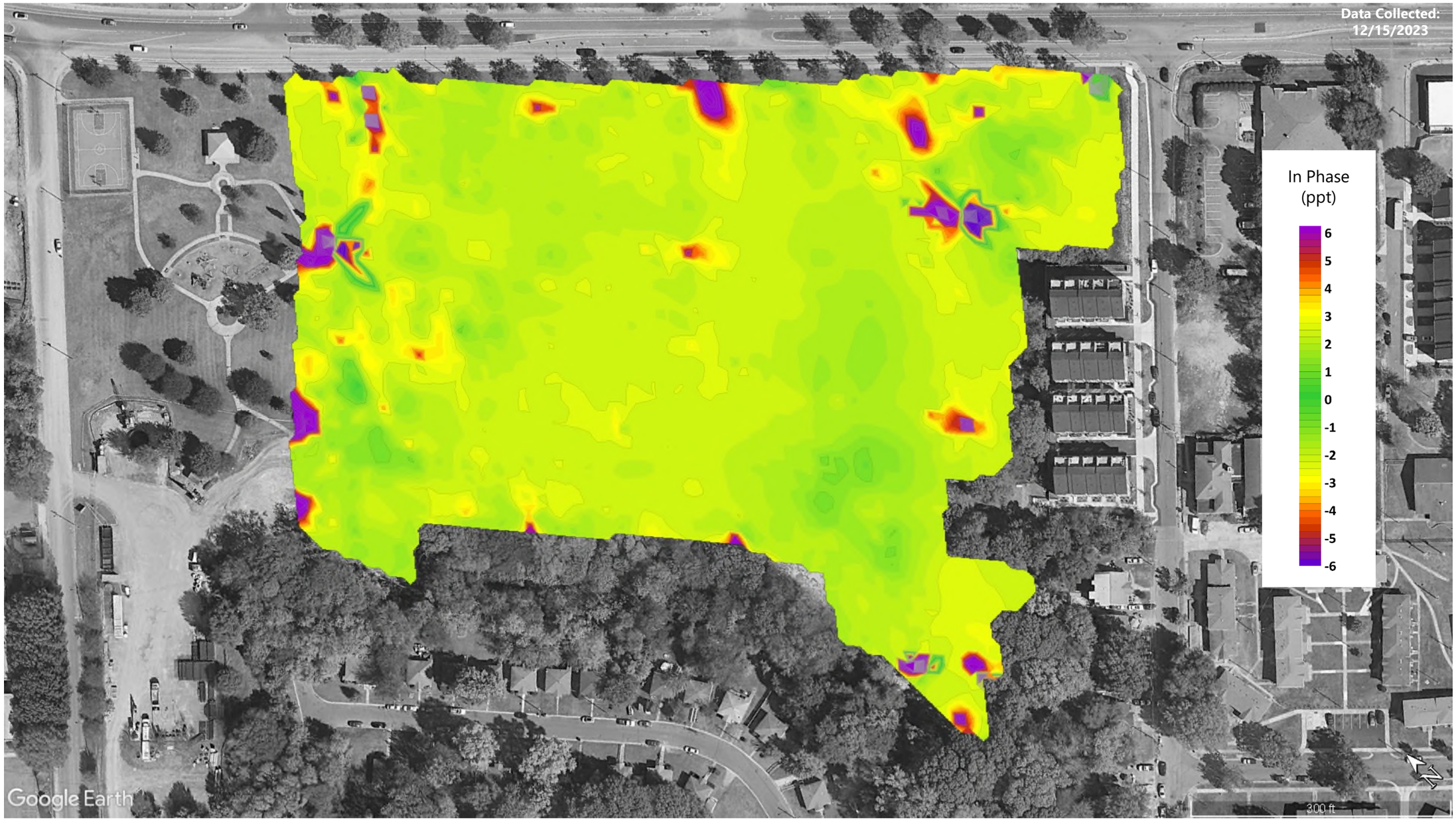

FDEM IN-PHASE DATA PLOT A - OPAQUE (7 FEET)

SOUTHSIDE PARK PRE-REG LANDFILL
CHARLOTTE, MECKLENBURG COUNTY, NORTH CAROLINA

SCALE:
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FIGURE NO.
9

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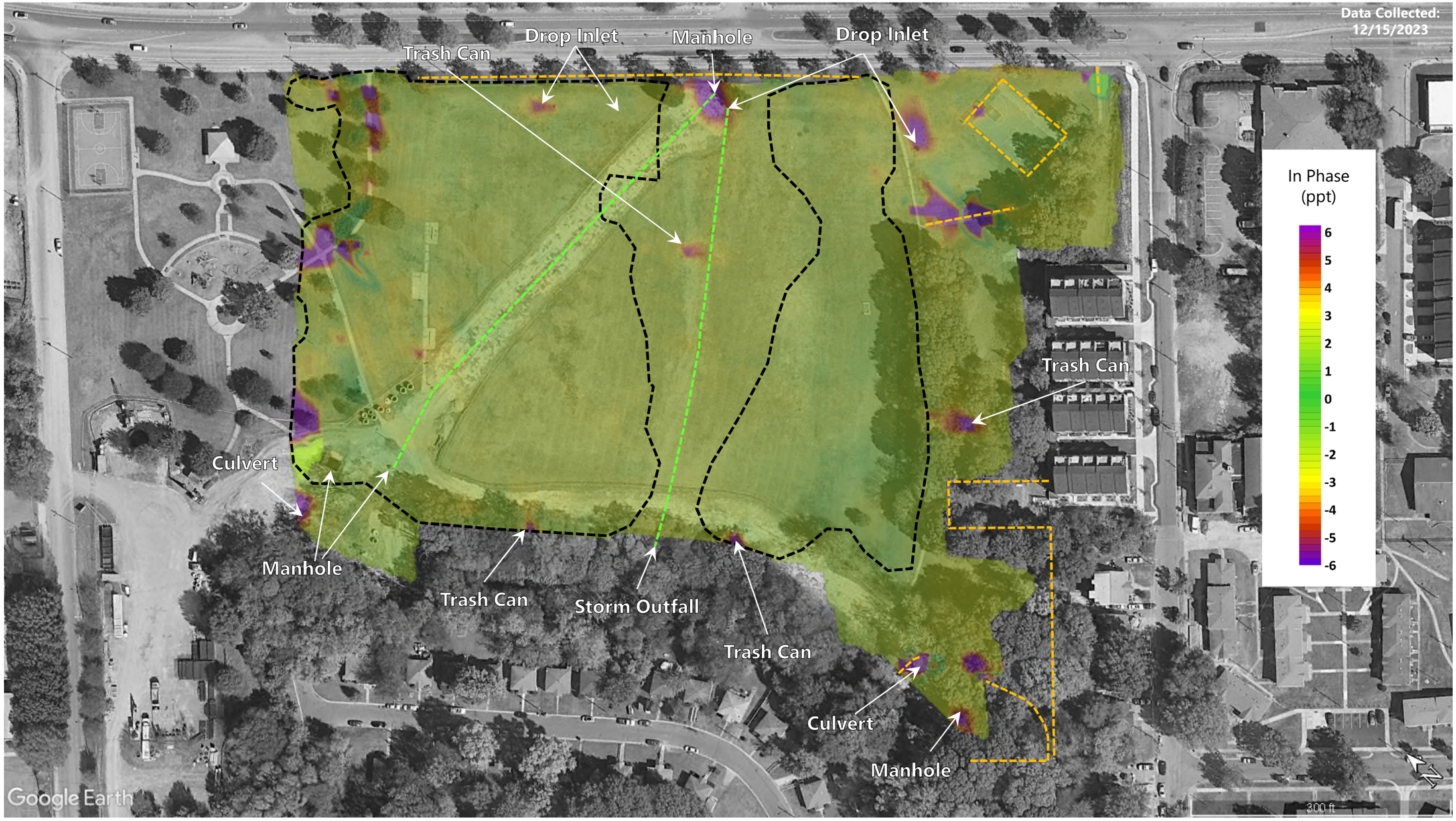

LEGEND

Interpreted Extent of Possible Landfill

Probable Sewer Utility

Fencing and Handrails

FDEM IN-PHASE DATA PLOT B - SEMI-TRANSPARENT (7 FEET)

SOUTHSIDE PARK PRE-REG LANDFILL
CHARLOTTE, MECKLENBURG COUNTY, NORTH CAROLINA

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FIGURE NO. **10**

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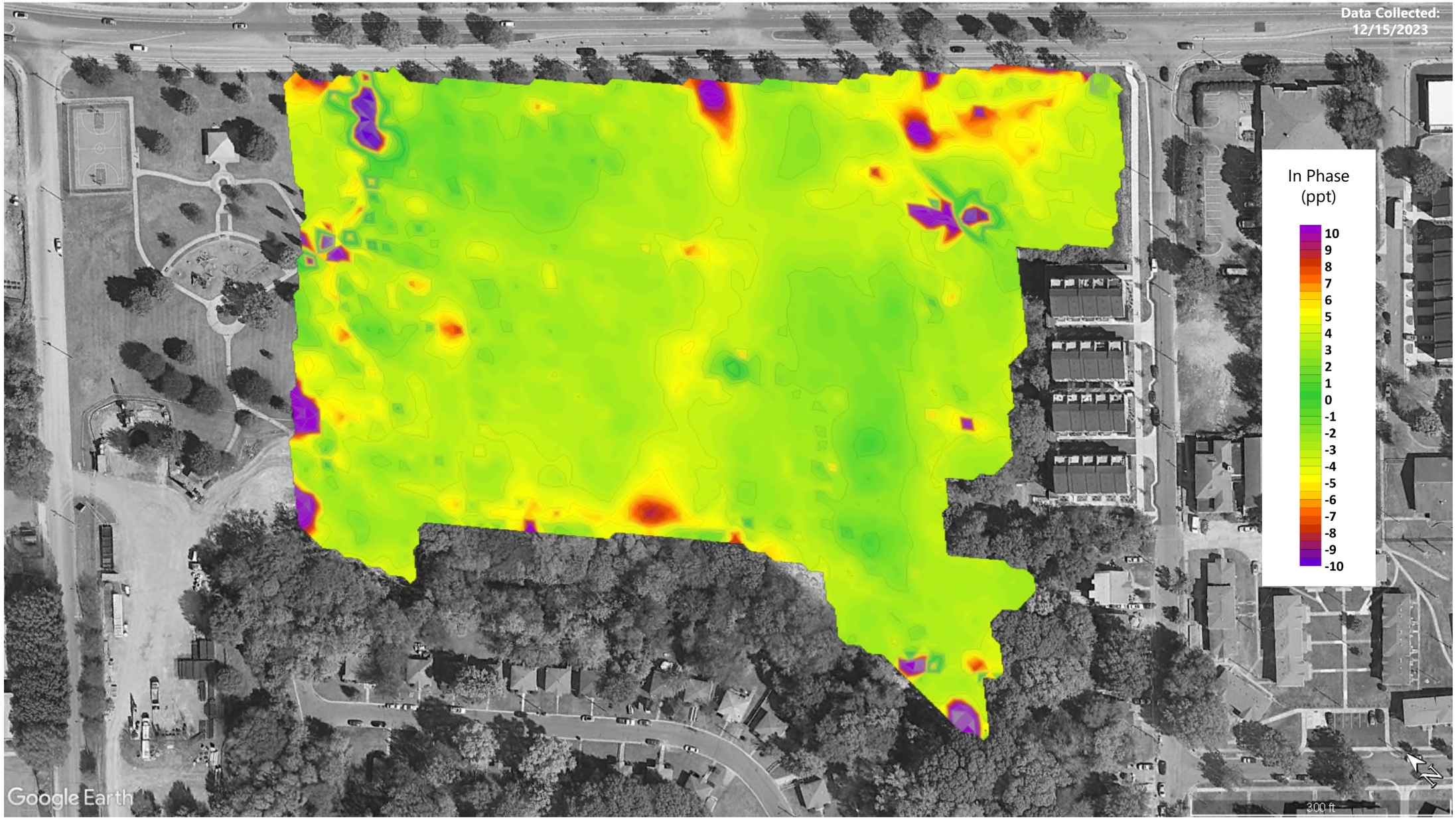

FDEM IN-PHASE DATA PLOT A- OPAQUE (14 FEET)

SOUTHSIDE PARK PRE-REG LANDFILL
CHARLOTTE, MECKLENBURG COUNTY, NORTH CAROLINA

SCALE:
AS SHOWN

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FIGURE NO.
11

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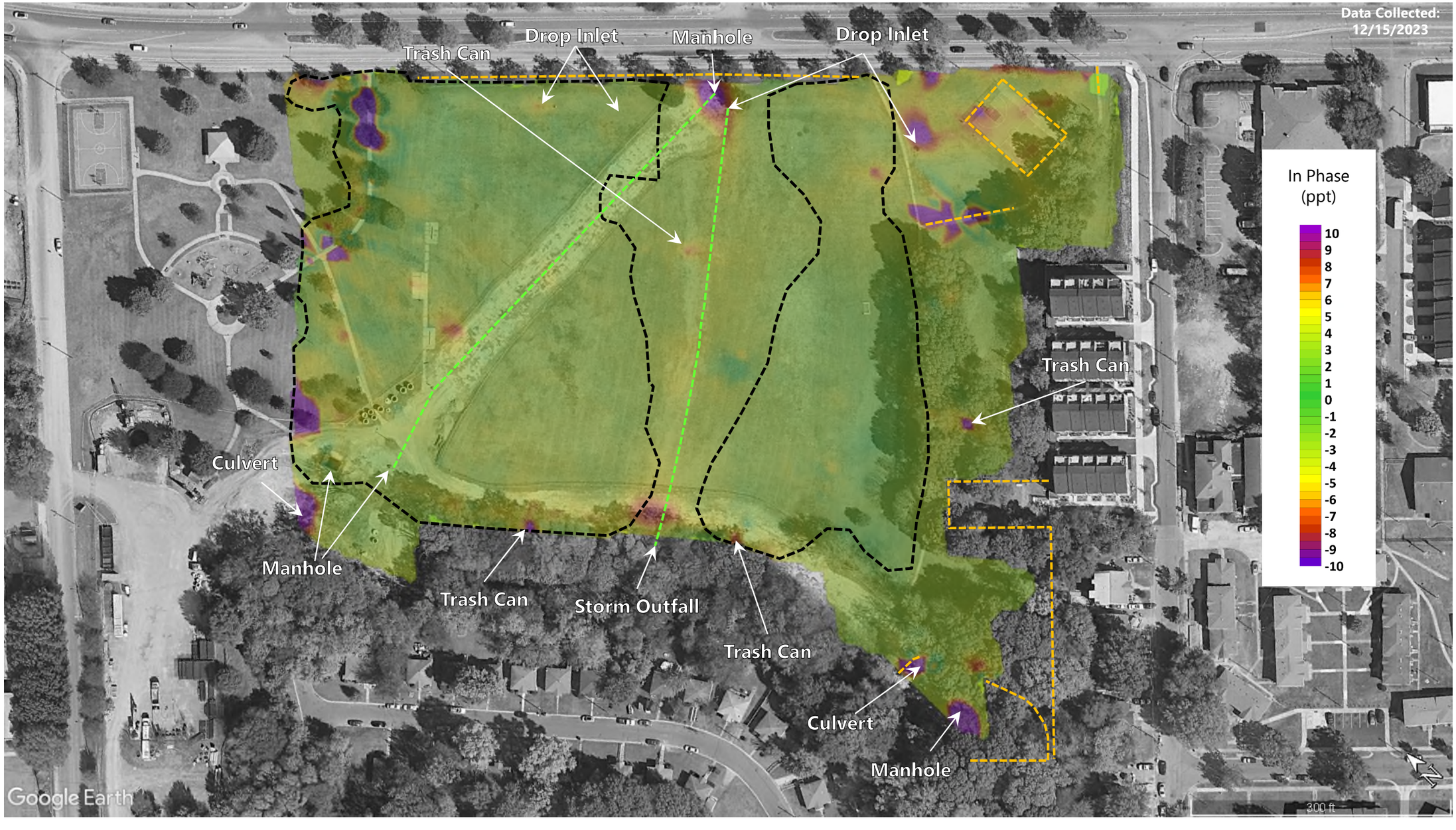

LEGEND

Interpreted Extent of Possible Landfill

Probable Sewer Utility

Fencing and Handrails

FDEM IN-PHASE DATA PLOT B - SEMI-TRANSPARENT (14 FEET)

SOUTHSIDE PARK PRE-REG LANDFILL
CHARLOTTE, MECKLENBURG COUNTY, NORTH CAROLINA

SCALE:
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FIGURE NO.
12

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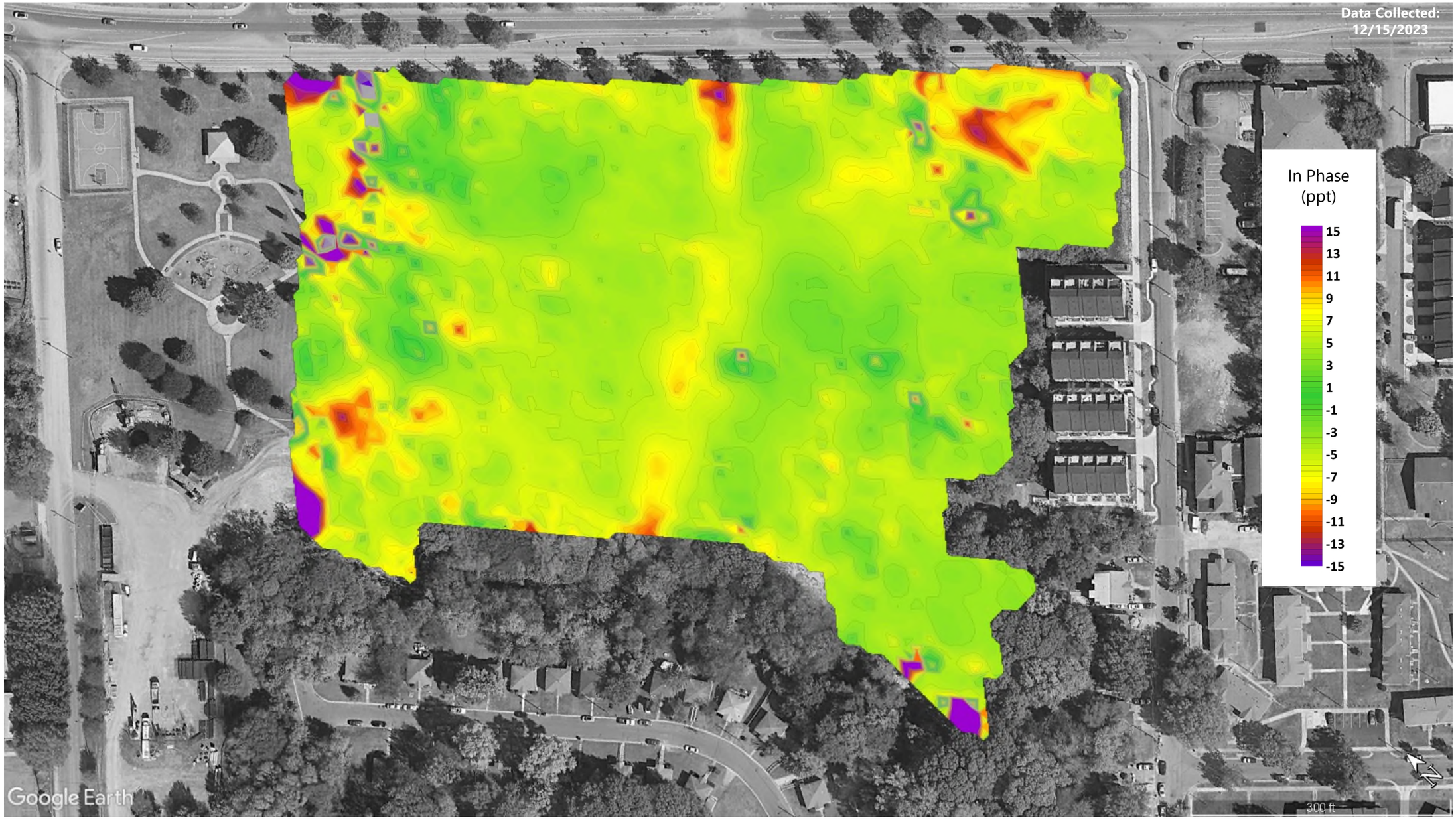

FDEM IN-PHASE DATA PLOT A- OPAQUE (22 FEET)

SOUTHSIDE PARK PRE-REG LANDFILL
CHARLOTTE, MECKLENBURG COUNTY, NORTH CAROLINA

SCALE:
AS SHOWN

DATE:
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FIGURE NO.
13

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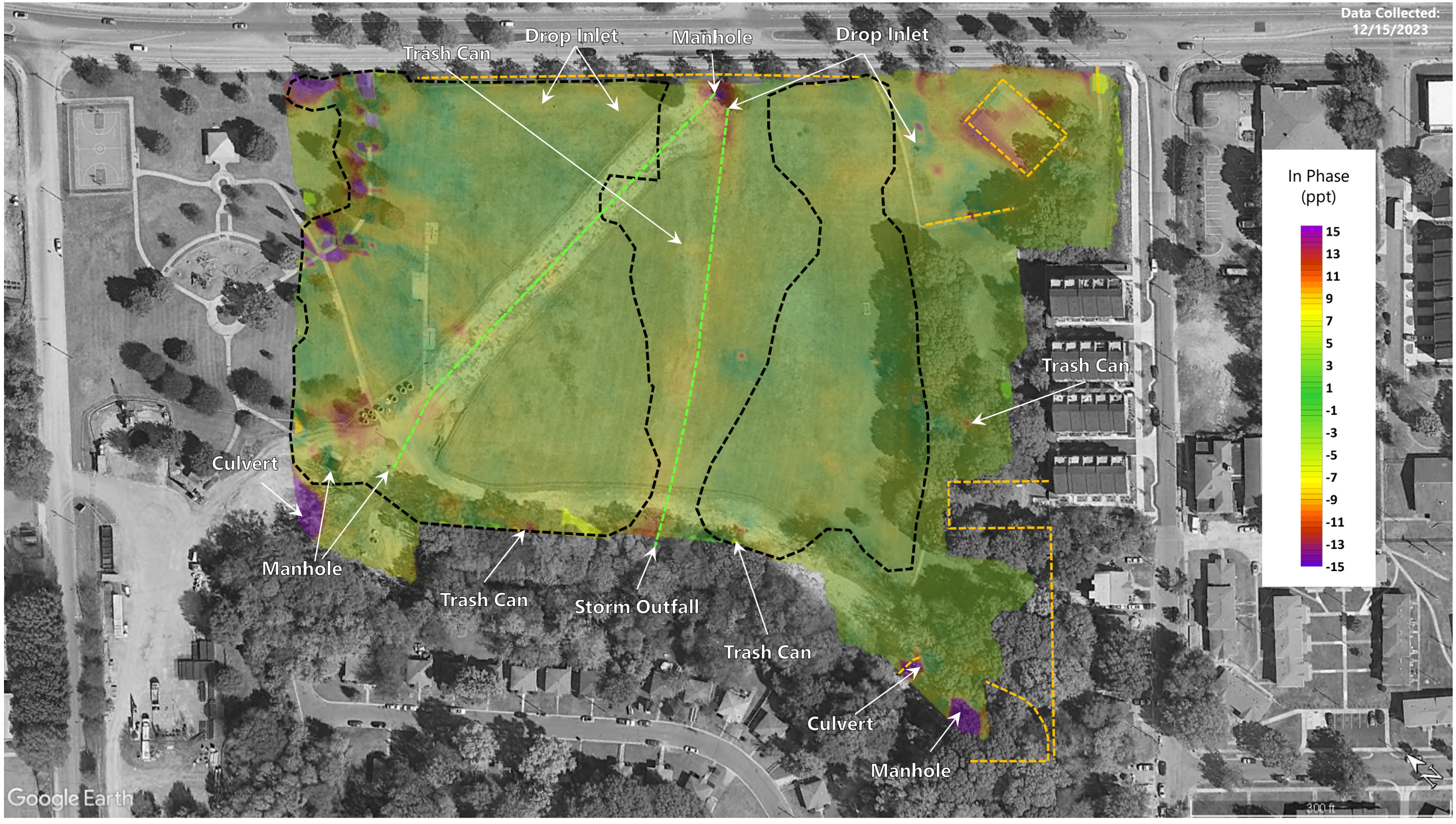

LEGEND

Interpreted Extent of Possible Landfill

Probable Sewer Utility

Fencing and Handrails

FDEM IN-PHASE DATA PLOT B - SEMI-TRANSPARENT (22 FEET)

SOUTHSIDE PARK PRE-REG LANDFILL
CHARLOTTE, MECKLENBURG COUNTY, NORTH CAROLINA

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FIGURE NO.
14