Remedial Investigation Report
City of Durham Parks – East End Park, NONCD0000823
1200 N. Alston Avenue, Durham, North Carolina
Task Order RI-8
S&ME Project No. 23050630

PREPARED FOR:

North Carolina Department of Environmental Quality
Division of Waste Management – Inactive Hazardous Sites 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
January 12, 2026

January 12, 2026

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. Kevin Kelt
Hydrogeologist
via email: kevin.kelt@deq.nc.gov

Reference: **Remedial Investigation-Soil Gas, Groundwater & Surface Water/Sediment Report**
East End Park – 1200 N. Alston Avenue
Durham, Durham County, North Carolina
NCDEQ ID No. NONCD0000823
NCDEQ Task Orders 823RI-8
S&ME Project No. 23050630

Dear Mr. Kelt:

S&ME, Inc. (S&ME) is submitting this report summarizing the results of the Remedial Investigation Waste Delineation activities conducted at the above-referenced site in Durham, North Carolina. S&ME completed this investigation in general conformance with S&ME Proposal No. 23050630, dated February 17, 2025, for Task Order 823RI-8 under the terms of Contract Number N42621-B, dated January 4, 2022, between NCDEQ and S&ME.

Please call us at 919-872-2660 with any questions or comments.

Sincerely,

S&ME, Inc.

Madison J. Allen
Environmental Staff Professional
MadisonAllen@smeinc.com

Gerald Paul
Senior Project Manager
jpaul@smeinc.com

Senior Reviewed by: Thomas P. Raymond, P.E. - Senior Engineer

Attachment: Remedial Investigation Report

Table of Contents

1.0 Summary of Current Investigation 1

2.0 Landfill Gas Assessment 1

2.1 Soil Gas Probe and Implant Installation 1

2.2 Field Screening Methods 1

2.3 Landfill Gas Screening Results 2

2.3.1 Volatile Organic Compounds 2

2.3.2 Methane 2

2.3.3 Hydrogen Sulfide 2

2.4 Landfill Gas Sampling 2

2.4.1 Shut-in Testing 3

2.4.2 Helium Leak Testing 3

2.4.3 Purging and Sampling 3

2.5 Landfill Gas Sample Results 3

3.0 Groundwater Assessment 4

3.1 Monitoring Well Elevation Measuring 4

3.2 Monitor Well Purging and Sampling 4

3.3 Monitor Well Sample Results 5

4.0 Surface Water and Sediment Sampling 5

4.1.1 Surface Water Sampling Results 5

4.1.2 Sediment Sampling Results 6

5.0 NCDEQ Risk Calculator 6

5.1 Landfill Gas Samples 6

5.2 Surface Water Samples 7

5.3 Sediment Samples 7

6.0 Quality Control 7

6.1 Quality Control Samples 7

7.0 Work Plan Deviation 7

8.0 Sole Use Statement 8

9.0 Certification Acknowledgement 9

Table of Contents

List of Tables

Table 1 – Landfill Gas Probe & Gas Implant Construction Details
Table 2 – Landfill Gas Field Screening Results
Table 3 – Landfill Gas Sample Analytical Results Summary
Table 4 – Groundwater Monitor Well Construction Details & Groundwater Levels
Table 5 – Groundwater Field Screening Results
Table 6 – Groundwater Sample Analytical Results Summary
Table 7 – Surface Water Sample Analytical Results Summary
Table 8 – Sediment Sample Analytical Results

List of Figures

Figure 1 – Site Map
Figure 2 – On-Site Landfill Gas Screening Results
Figure 3 – Landfill Gas Risk Assessment & Laboratory Methane Results Map
Figure 4 – Groundwater Analytical Results Map
Figure 5 – Groundwater Potentiometric Map
Figure 6 – Surface Water Analytical Results Map
Figure 7 – Sediment Sample Analytical Results Map

Appendices

Appendix I – Coordinates of Selected Features
Appendix II – Well Construction Records for LFGP and MW
Appendix III – S&ME Field Notes
Appendix IV – Laboratory Analytical Reports and COC
Appendix V – NCDEQ Risk Calculator Package

1.0 Summary of Current Investigation

S&ME completed the following Scope of Services listed below for this investigation in general conformance with S&ME Proposal No. 23050630, dated March 13, 2025, for Task Orders 821RI-8 under the terms of Contract Number N42621-B, dated January 4, 2022, between NCDEQ and S&ME.

- Groundwater monitoring well installation and assessment;
- Landfill gas probe installation and assessment;
- Surface water and sediment assessment; and
- Preparation of this report.

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

2.0 Landfill Gas Assessment

2.1 Soil Gas Probe and Implant Installation

On April 11, 2025, eight Landfill Gas Probes (LFGP) and two Landfill Gas Implants (LFGI) were installed using a track mounted Geoprobe® unit (7822 DT) outfitted with six-inch diameter rods. S&ME personnel screened the soil for VOCs during installation of the soil gas probes and implants. No visual indications of contamination or elevated organic vapors were noted during installation.

Landfill Gas Probes were installed to depths of 4 to 9 feet below ground surface (ft-bgs), and Landfill Gas Implants were installed to depths of 4 to 5 ft-bgs. Once the total depth of the probes were determined, a 1-inch diameter 1 to 5-foot-long section of PVC 0.010-inch slotted screen was installed. The screen with PVC well riser casing was installed from the top of the well screen up to the ground surface. A sand pack of #2 filter sand was placed in the annulus between the borehole wall and the well screen up to approximately two feet above the top of the well screen. A bentonite seal was then installed up to approximately two feet above the top of the sand pack for all probes. Implants were placed at the bottom of the boring and a sand pack of #2 filter sand one foot above the implant. Granular bentonite was then used to seal the boring from the sand pack to the ground surface. The LFGP and LFGI construction details are presented in **Table 1** and the location of the LFGP's are shown in **Figure 1**. The Coordinates of Selected Features are included in **Appendix I.**

2.2 Field Screening Methods

On April 30, 2025, landfill gas and offsite soil gas probes and implants that did not have high water levels were screened for landfill gas. **Figure 2** shows the data from the field screening event. Portable meters were used to collect the following parameters at each soil gas probe, soil gas implant and background screening location:

- Landfill Gas Meter – GEM5000 PLUS for the following:
  - methane: 0-100%, +/- 0.3% to 1.5% accuracy
  - hydrogen sulfide: 0-500 parts per million-volume (ppm-v), with +/- 2.0% accuracy
  - carbon dioxide: 0-100%, +/- 0.5% to 1.5% accuracy
  - oxygen: 0-25%, +/- 1.0% accuracy
  - barometric pressure: +/- 14.7 inches mercury from calibration pressure, +/- 1% inches mercury accuracy
- Photo-Ionization Detector (PID) MiniRAE 3000 for total VOCs: 0-15,000 ppm-v, with +/- 0.1 ppm-v resolution over range of 0 to 999.9 ppm-v and +/- 1 ppm-v resolution over range of 1,000 to 15,000 ppm-v.

Each of the meters listed above has an internal pump, which was used to draw air samples from the gas probe through the portable meters. New Teflon tubing was connected from the meters to the soil gas probe cap for sampling.

A thermohygrometer was used to measure ambient air for humidity and temperature. The landfill gas screening forms which summarize the results are included with the field documents in **Appendix III**.

2.3 Landfill Gas Screening Results

2.3.1 Volatile Organic Compounds

VOCs were detected in all the LFGPs but not in any of the background screening locations. During the screening event, concentrations ranged from 1.0 parts per million by volume (ppm-v) to 7.8 ppm-v.

2.3.2 Methane

During the screening event, methane was detected at LFGP-5, LFGP-8 and LFGP-10, with concentrations exceeding the lower explosive limit (LEL) for methane at LFGP-5. The GEM5000 manufacturer specifies an approximate accuracy range of +/- 0.3% of the displayed reading for methane concentrations between 0% and 5%.

2.3.3 Hydrogen Sulfide

Hydrogen Sulfide was detected in LFGP-5 and LFGP-8 at 1.0 ppm-v for each location. The GEM5000 manufacturer specifies an approximate accuracy range of +/- 2.0% of the displayed reading for hydrogen sulfide concentrations between 0 – 500 ppm-v.

The landfill gas screening results are summarized in **Table 2** and shown on **Figure 2**.

2.4 Landfill Gas Sampling

On May 8, 2025, through May 9, 2025, S&ME personnel used batch-certified sampling canisters to collect samples (including duplicate samples) from ten landfill gas probes and implants for laboratory analysis of VOCs by EPA Method TO-15, Methane by ASTM Method D1946, and Hydrogen sulfide by EPA Method TO-15.

2.4.1 Shut-in Testing

Prior to beginning sample collection, S&ME performed a shut-in test and helium leak test in general accordance with the Pre-Regulatory Landfill Guidance document. The shut-in test was performed by attaching the dedicated sampling array (series of dedicated stopcock valves, Teflon® tubing and silicone tubing) to the soil gas probe on one end and to the regulator installed on a batch certified six-liter SILO canister on the other end. An open end of the sample array (three-way stopcock) was connected to a 100 ml/cc dedicated syringe. The syringe was then used to pull vacuum on the sample train (approximately 10" of Hg – indicated on the regulator vacuum gage). Once the vacuum was created the three-way stopcock was closed to seal the sample train. After approximately one minute of the vacuum being held on the sample train, the vacuum was released, and the shut-in test was considered successful.

2.4.2 Helium Leak Testing

To perform the helium leak test, the syringe was replaced by additional Teflon® tubing and was connected to the purge port on the leak testing shroud. Next, a section of Teflon® tubing was then attached to the end of the stopcock valve and fitted through a plastic shroud that was placed overtop the soil gas probe sampling array. S&ME then injected helium gas into the plastic shroud until the concentration reached at least 15% helium, as monitored with a helium detector. The gas probe and sampling array were monitored for leaks by using a calibrated personal pump to purge air from the sampling array into a Tedlar® bag.

The purged air from the sampling array in the Tedlar® bag was then monitored for the presence of helium gas concentration with a helium detector. Per the North Carolina Department of Environmental Quality (NCDEQ) Vapor Intrusion Guidance Document (March 2018), the helium concentrations detected during the leak test shall not exceed 10% of the helium concentration contained in the shroud. Each of the gas probes or soil gas implants, and sampling arrays had a successful leak test.

2.4.3 Purging and Sampling

After successfully passing the leak test, a minimum of three volumes of air were purged from the gas probes and sampling arrays. After purging the sampling array, the ball valve attachment on the T-connector leading to the purge point was closed and the valve on the regulator was opened to allow the collection of the samples into SILO canisters.

After collecting the gas samples, the SILO canisters were shipped under standard chain-of-custody protocol to Enthalpy Analytical for VOC analysis and Hydrogen Sulfide by EPA Method TO-15 and Methane by ASTM Method D1946. The laboratory reports and chain of custody are in **Appendix IV.**

2.5 Landfill Gas Sample Results

Due to gas composition and laboratory instrument limitations, the landfill gas samples were diluted by the laboratory. Sample dilutions result in higher laboratory detection limits. Therefore, compounds may be present at concentrations below the elevated detection limit and could be considered unacceptable risk based on the NCDEQ Risk Calculator. For this assessment, only compounds detected above the laboratory

detection limits were entered into the NCDEQ Risk Calculator. As a result, additional sampling is necessary to further evaluate potential risk from landfill gas at the site.

The laboratory reported detections of multiple VOCs and other analytes in the landfill gas samples. The NCDEQ Risk Calculator was used to assess the risk of the soil gas to the indoor air pathway. The Residential Receptor Risk was not exceeded at any sample location. Methane exceedance of the LEL (5%) was detected in the sample from LFGP-5. Hydrogen Sulfide was not detected at any sample location. See **Section 5.0** for the Risk Calculator details.

A summary of the laboratory results is included in **Table 3,** and the results of the NCDEQ Risk Calculator Residential and Non-Residential Vapor Intrusion risk levels are shown in **Figures 3**. The field notes are included in **Appendix III**. The laboratory reports and chain of custody forms are included in **Appendix IV**.

3.0 Groundwater Assessment

3.1 Monitoring Well Elevation Measuring

On May 14, 2025, through May 15, 2025, eight groundwater monitor wells (MW-1 through MW-8) were installed using a track mounted Geoprobe® unit (7822 DT) outfitted with six-inch diameter rods. S&ME personnel screened the soil for VOCs during installation of the monitor wells. No visual indications of contamination or elevated organic vapors were noted during the installation of the monitoring wells.

The monitor wells were installed to depths of 18 to 58 ft-bgs. Once the total depth of the monitor wells was determined, a 2-inch diameter 10-foot-long section of PVC 0.010-inch slotted well screen was installed with PVC well riser casing installed from the top of the well screen up to two feet above ground surface. A sand pack of #2 filter sand was placed in the annulus between the borehole wall and the well screen up to approximately two feet above the top of the well screen. A bentonite seal was then installed up to approximately two feet above the top of the sand pack. Prior to placing the bentonite in the annulus of the borehole, the well was developed with a submersible pump until turbidity had visually improved. Over five well volumes of water were removed from each well during development. The monitor wells were completed with expandable well caps. The monitor well construction details are presented in **Table 4** and the location of the monitoring wells are shown on **Figure 1**. The Coordinates of Selected Features is included in **Appendix I** and the Well Construction Records are included in **Appendix II**.

3.2 Monitor Well Purging and Sampling

On May 30 and June 2, 2025, the depth to groundwater was measured in each well with an electronic water level meter. A licensed surveyor located and measured horizontal coordinates and vertical elevations for the monitor wells under Task Order 821DP-6. The approximate depth of groundwater and elevations at each monitor well are displayed on **Table 4** and are represented on **Figure 5**. Groundwater generally flows northeast towards the surface water feature in the center of the site, surface water flows to the north.

Before sample collection, the monitor wells were purged using a monsoon pump or peristaltic pump, and field parameter data (pH, temperature, conductivity, and turbidity) was recorded (**Table 5**). Groundwater sampling field forms are included with the field documents in **Appendix III**. Once three well volumes were purged, groundwater samples were collected, placed on ice, and sent under the chain-of-custody protocol to Eurofins | Environment Testing America (Eurofins) in Savannah Georgia for analysis. Analysis includes volatile organic compounds (VOCs) by EPA Method 8260D, semi-volatile-organic compounds (SVOCs) by EPA Method 8270E, 1,4 Dioxane by EPA Method 8270E SIM, metals by EPA Method 6020B, mercury by EPA Method 7470A, nitrate and sulfate by EPA Method 300.0, and ammonia by EPA Method 350.1.

3.3 Monitor Well Sample Results

The laboratory reported detections of multiple constituents above the NCAC 2L Groundwater Standards in samples collected from multiple monitoring wells. Analytes that were detected at concentrations exceeding the respective NCAC 2L Groundwater Standards are shown on **Figure 4.** See **Table 6** for a summary of the groundwater analytical results.

4.0 Surface Water and Sediment Sampling

On May 5, 2025, S&ME collected surface water and stream sediment samples for laboratory analysis from nine locations. Surface water sample locations are identified as SW-1 through SW-9 with laboratory data on **Table 7.** Stream sediment sample locations are identified as SED-1 through SED-9 with laboratory data summarized on **Table 8**. Surface water and stream sediment locations SED/SW-1 through SED/SW-9 are shown on **Figure 6** and **Figure 7**.

Surface water and stream sediment samples were collected, placed in a cooler with ice, and delivered under chain-of-custody protocol to Eurofins Environmental Testing. Analysis includes VOCs by EPA Method 8260D, semi-volatile organic compounds (SVOCs) by EPA Method 8270E SIM, metals by EPA Method 6020B, mercury by EPA Method 7471B, nitrate and sulfate by EPA Method 39056A, and ammonia by EPA Method 350.1.

4.1.1 Surface Water Sampling Results

Table 7 summarizes the surface water sample analytical results from locations SW-1 through SW-9. Exceedances of the 15A NCAC 02B (2B Standards) surface water quality standards are shown on **Figure 6**. Several other detections were reported, however 2B Standards are not established for those constituents. The reported dissolved concentrations above the 2B Standards are summarized below in micrograms per Liter (µg/l).

The NCDEQ Risk Calculator was used to assess the risk for direct contact of surface water. See **Section 5.0** for the Risk Calculator details. The carcinogenic risk and non-carcinogenic hazard index for surface water were not exceeded at any of the sample locations for the recreator/trespasser receptor.

4.1.2 Sediment Sampling Results

Table 8 summarizes sediment analytical results for samples collected from locations SED-1 through SED-9. The laboratory report and chain of custody record are included in **Appendix IV**.

The NCDEQ Risk Calculator was used to assess the risk for direct contact of soil. The carcinogenic risk and non-carcinogenic hazard index for each of the sediment sample locations were not exceeded for all receptors. Exceedances of the United States Environmental Protection Agency Regional Soil Screening Levels (USEPA RSLs)) are shown on **Figure 7**.

5.0 NCDEQ Risk Calculator

S&ME used the January 2025 version of NCDEQ's Risk Calculator, downloaded from the NCDEQ website to quantify the risks from different exposure points (landfill gas, groundwater, surface water, and sediment) that contain concentrations of chemicals that potentially cause cancer (carcinogens) and chemicals not known to cause cancer (noncarcinogens). The Risk Calculator was used to show the risks these exposure points 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 to a reference threshold. This threshold represents the exposure below which 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). For risk assessment purposes, a residential and non-residential/worker exposure scenario was used for landfill gas, groundwater, and sediment samples, and the recreator/trespasser exposure scenario was used for surface water samples. The Resident Receptor scenario is based upon the assumption that 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).

5.1 Landfill Gas Samples

The NCDEQ Risk Calculator was run for each landfill gas sample location. The risk calculator uses analytical results and generates a Carcinogenic Risk and Hazard Index value. None of the sample locations exceeded the Residential Receptor or the Non-Residential Worker for landfill gas from the concentrations reported by the laboratory.

5.2 Surface Water Samples

The NCDEQ Risk Calculator was run for each individual surface water sample location. None of the sample locations exceeded risk for the recreator/trespasser receptor.

5.3 Sediment Samples

The NCDEQ Risk Calculator was run for each individual sediment sample location. None of the sample locations exceeded risk for the residential, non-residential, nor recreator/trespasser receptor.

Appendix V contains the NCDEQ Risk Calculator Inputs and Outputs.

6.0 Quality Control

6.1 Quality Control Samples

Quality control samples were collected and analyzed as follows:

Soil Gas Duplicates

- One soil gas duplicate sample, called DUP-1, was collected on May 8, 2025, from LFGP-4. Another duplicate, called DUP-2, was collected from LFGP-2 on May 9, 2025. Analytical results of the duplicate samples were within an acceptable relative difference with the record samples.

Groundwater Duplicates

- One groundwater duplicate sample, called DUP-1, was collected on May 30, 2025, from MW-5. Another duplicate, called DUP-2, was collected from MW-4 on June 2, 2025. Analytical results of the duplicate samples were within an acceptable relative difference with the record samples.

Surface Water/Sediment Duplicates

- One duplicate sample was collected for the day of sampling for both surface water and sediment. Duplicates were taken at SW-6/SED-6. Duplicates were collected separately as SW-DUP and SED-DUP. Analytical results of the duplicate samples were within an acceptable relative difference with the record samples.

Trip Blank

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

7.0 Work Plan Deviation

No work plan deviations were encountered during sampling events.

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. 23050630, dated March 13, 2025, for Task Orders 821RI-8 under the terms of Contract Number N42621-B, dated January 4, 2022, between NCDEQ and S&ME.

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."

Gerald Paul / S&ME, Inc.
Name of Environmental Consultant / Company

Signature of Environmental Consultant

January 12, 2026
Date

I, Wilma Craft, a Notary Public of said County and State, do hereby certify that Gerald Paul did personally appear and sign before me this day, produced proper identification in the form of North Carolina Driver's License, 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 12th day of January, 2026.

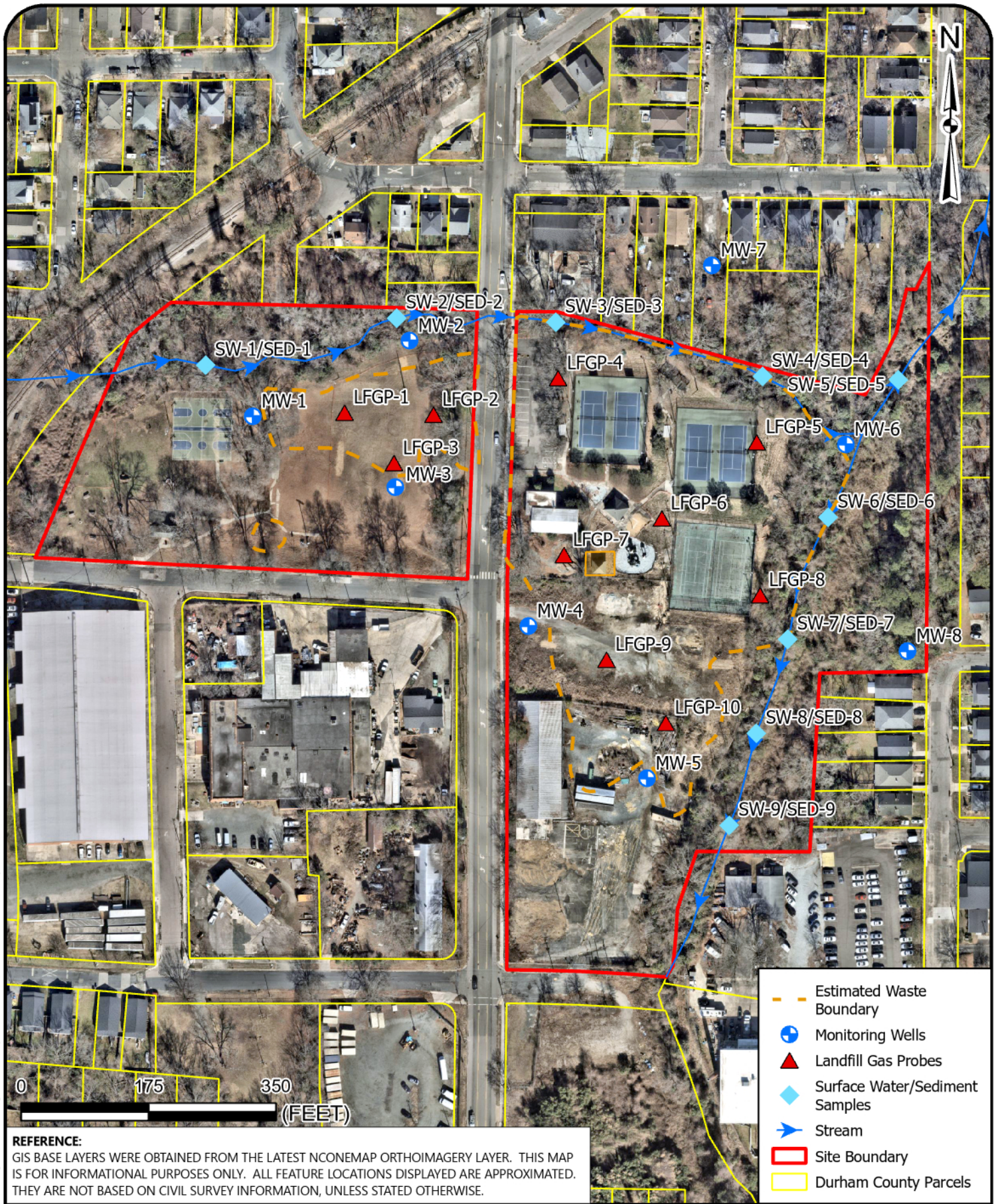
(OFFICIAL SEAL)

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

Figures



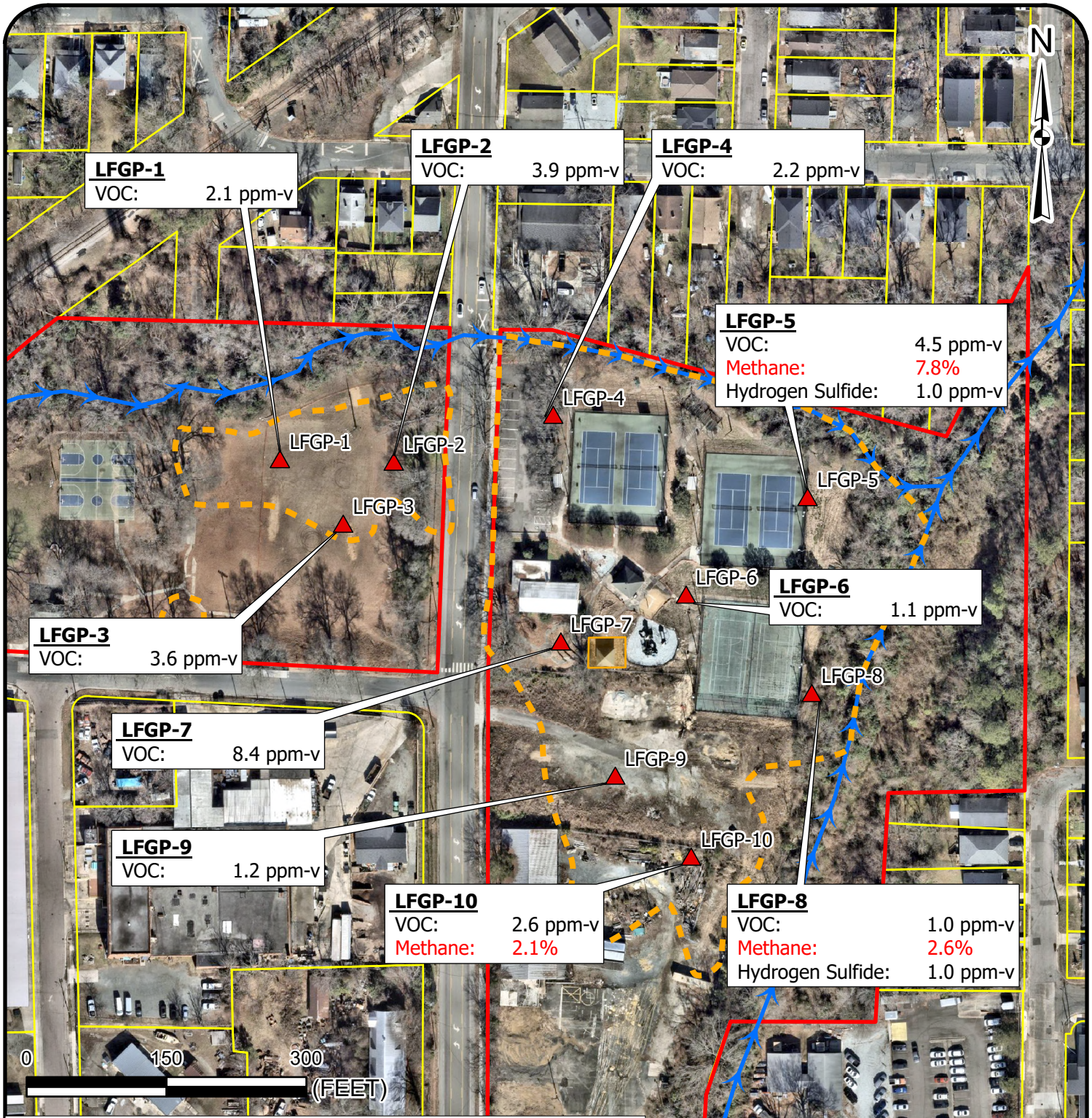
REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM THE LATEST NCONEMAP ORTHOIMAGERY LAYER. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

Drawing Path: T:\Raleigh-1050\Projects\2023\23050630_NCDEQ LF_City of Durham Parks (PRLF)_Durham NC\ENV\GIS\RI-8 Figures\East End\823RI-8 Maps.aprx Plotted by: RachelMoore

SITE MAP

EAST END PARK
NCDEQ ID NO. NONCD0000823, TASK ORDER 823RI-8
1200 N. ALSTON AVENUE
DURHAM, NORTH CAROLINA

SCALE: 1 in = 175 ft
DATE: 12/11/2025
PROJECT NUMBER 23050630
FIGURE NO. 1



NOTES:
LANDFILL GAS SCREENING WAS CONDUCTED ON APRIL 30, 2025. ONLY DETECTIONS ABOVE THE BACKGROUND LEVELS ARE SHOWN. VOCs MEASURED IN PPM-V.
VOC - VOLATILE ORGANIC COMPOUND.
PPM-V - PARTS PER MILLION BY VOLUME.
RESULTS FROM SCREENING EVENT ARE ON TABLE 2.

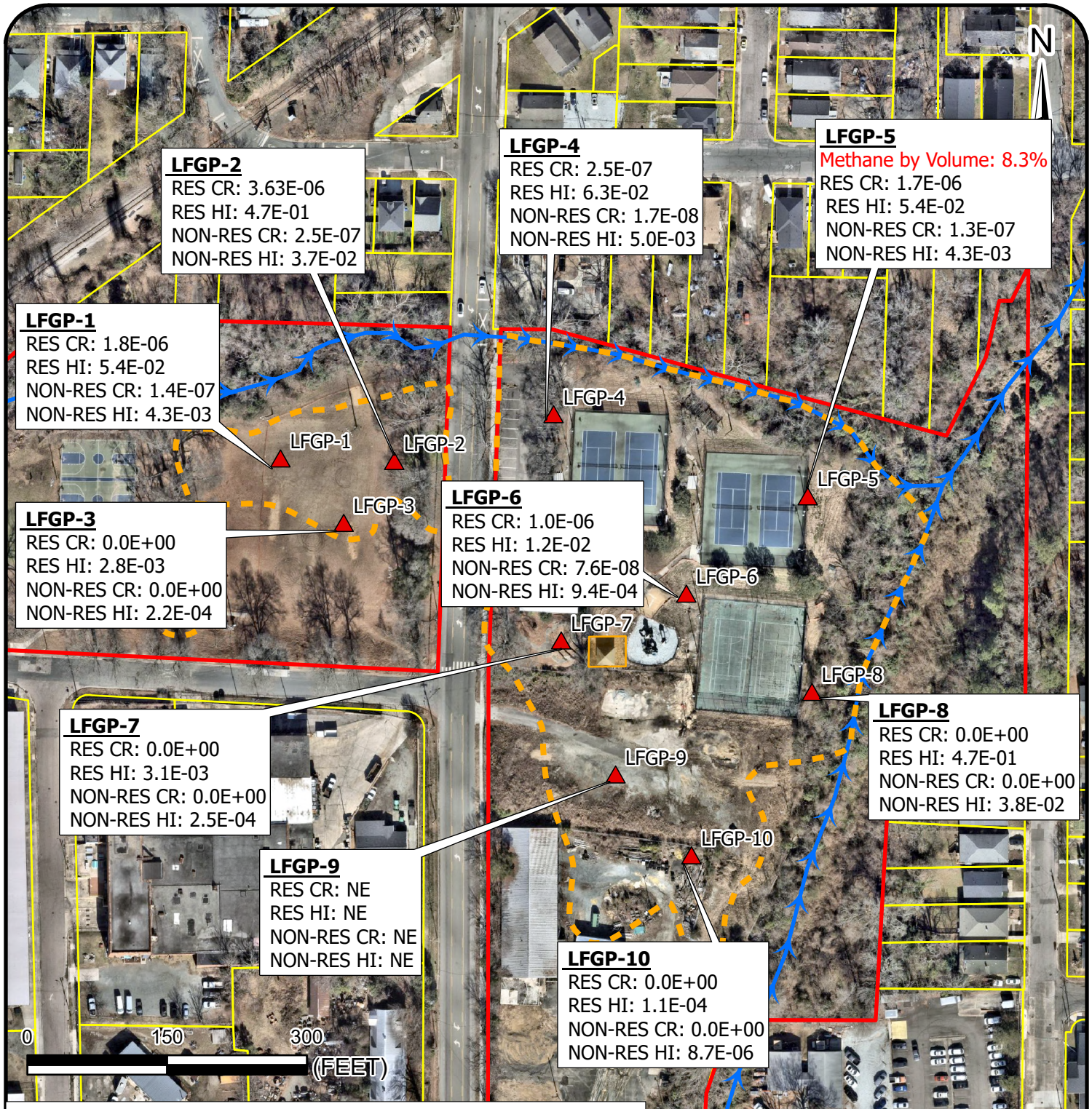
REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM THE LATEST NCONEMAP ORTHOIMAGERY LAYER. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

LANDFILL GAS SCREENING RESULTS

EAST END PARK
NCDEQ ID NO. NONCD0000823, TASK ORDER 823RI-8
1200 N. ALSTON AVENUE
DURHAM, NORTH CAROLINA

SCALE: 1 in = 150 ft
DATE: 11/24/2025
PROJECT NUMBER 23050630
FIGURE NO. 2

Drawing Path: T:\Raleigh-1050\Projects\2023\23050209_NCDEQ LF_Harmony Refuse Dump_Harmony NC\ENV\GIS\RI-4-5 MW & SG Map\823RI-8 Figures BMG.aprx Plotted by: BrandonGovemo



NOTES:

LANDFILL GAS SAMPLING WAS CONDUCTED ON MAY 9, 2025. SAMPLING LOCATIONS THAT EXCEED THE LOWER EXPLOSIVE LIMIT (LEL) FOR METHANE (5%) ARE SHOWN IN RED.

RES CR: RESIDENTIAL CARCINOGENIC RISK

RES HI: RESIDENTIAL HAZARD INDEX

NON-RES CR: NON-RESIDENTIAL CARCINOGENIC RISK

NON-RES HI: NON-RESIDENTIAL HAZARD INDEX

REFERENCE:

GIS BASE LAYERS WERE OBTAINED FROM THE LATEST NCONEMAP ORTHOIMAGERY LAYER. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

LANDFILL GAS RISK ASSESSMENT & LABORATORY RESULTS

EAST END PARK
NCDEQ ID NO. NONCD0000823, TASK ORDER 823RI-8
1200 N. ALSTON AVENUE
DURHAM, NORTH CAROLINA

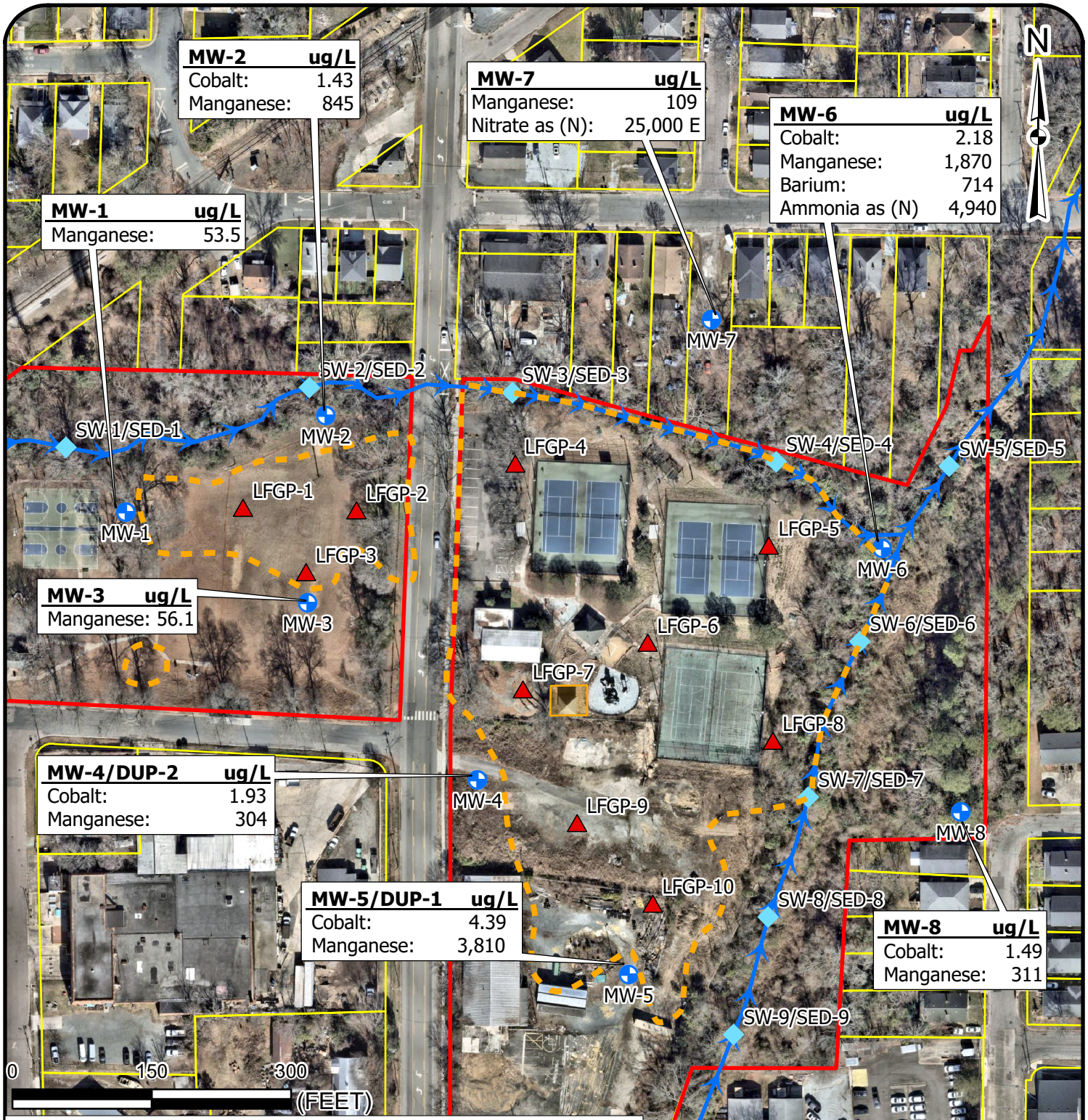
SCALE: 1 in = 150 ft

DATE: 11/26/2025

PROJECT NUMBER 23050630

FIGURE NO. 3

Drawing Path: T:\Raleigh-1050\Projects\2023\23050209_NCDEQ LF_Harmony Refuse Dump_Harmony NC\ENV\GIS\RI-4-5 MW & SG Map\823RI-8 Figures BMG.aprx Plotted by: MadisonAllen



NOTES:
GROUNDWATER SAMPLING WAS CONDUCTED ON MAY 30 AND JUNE 2, 2025. ANALYTES DETECTED AT CONCENTRATIONS EXCEEDING 15A NCAC 2L GROUNDWATER STANDARDS ARE SHOWN IN MICROGRAMS PER LITER (ug/L). DUPLICATES WERE COLLECTED FROM MW-4 AND MW-5. THE HIGHER CONCENTRATIONS ARE SHOWN.
E: RESULT EXCEEDED CALIBRATION RANGE.

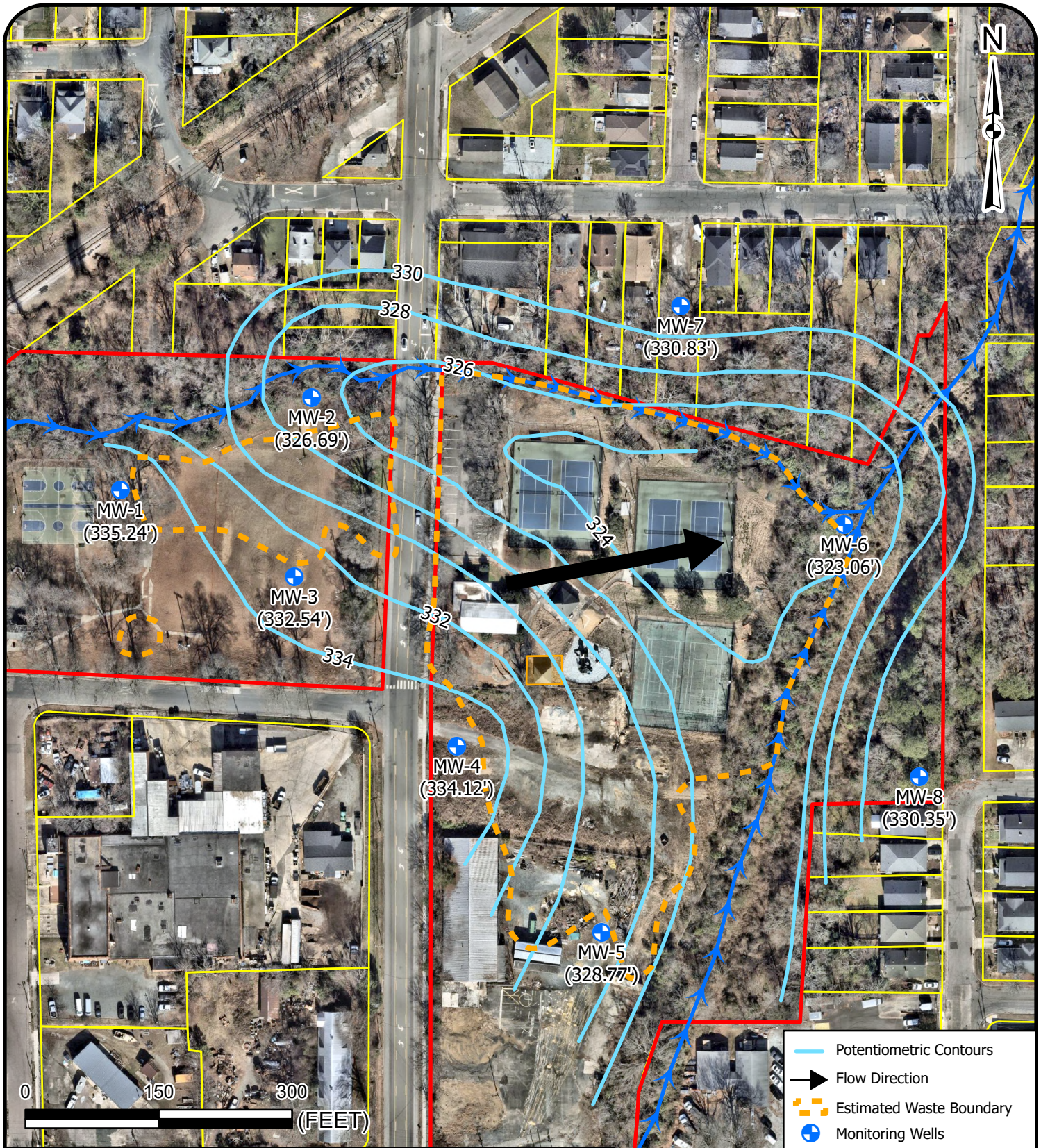
REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM THE LATEST NCONEMAP ORTHOIMAGERY LAYER. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

GROUNDWATER ANALYTICAL RESULTS

EAST END PARK
NCDEQ ID NO. NONCD0000823, TASK ORDER 823RI-8
1200 N. ALSTON AVENUE
DURHAM, NORTH CAROLINA

SCALE: 1 in = 150 ft
DATE: 11/26/2025
PROJECT NUMBER 23050630
FIGURE NO. 4

Drawing Path: T:\Raleigh-1050\Projects\2023\23050209_NCDEQ LF_Harmony Refuse Dump_Harmony NC\ENV\GIS\RI-4-5 MW & SG Map\823RI-8 Figures BMG.aprx Plotted by: MadisonAllen



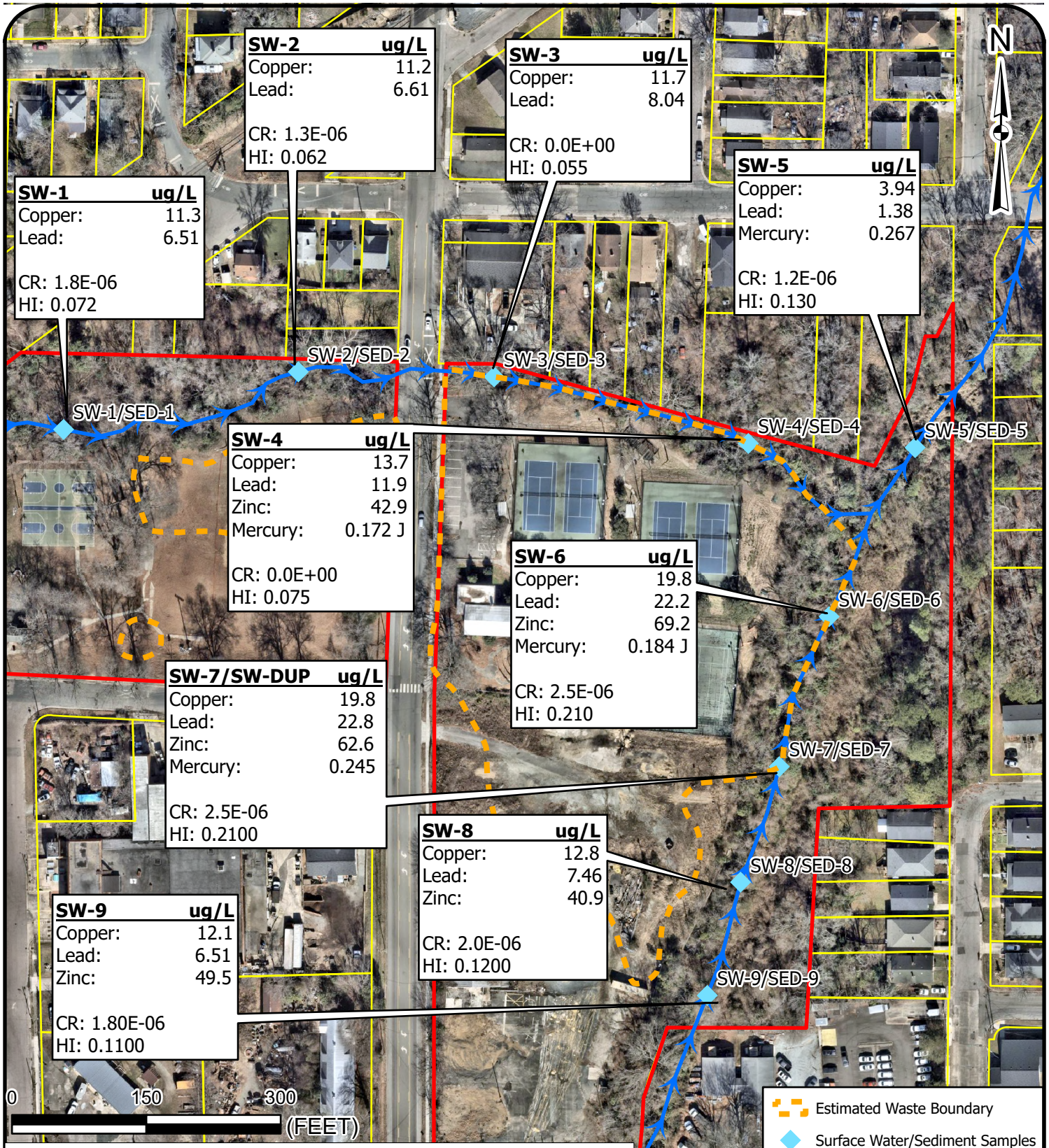
NOTES:
GROUNDWATER MEASUREMENTS WERE TAKEN ON MAY 30 AND JUNE 2, 2025.
REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM THE LATEST NCONEMAP ORTHOIMAGERY LAYER. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED.

GROUNDWATER POTENTIOMETRIC MAP

EAST END PARK
NCDEQ ID NO. NONCD0000823, TASK ORDER 823RI-8
1200 N. ALSTON AVENUE
DURHAM, NORTH CAROLINA

SCALE:	FIGURE NO.
1 in = 150 ft	5
DATE: 11/26/2025	
PROJECT NUMBER 23050630	

Drawing Path: T:\Raleigh-1050\Projects\2023\23050209_NCDEQ LF_Harmony Refuse Dump_Harmony NC\ENV\GIS\RI-4-5 MW & SG Map\823RI-8 Figures BMG.aprx Plotted by: MadisonAllen



NOTES:
SURFACE WATER SAMPLING WAS CONDUCTED ON MAY 5, 2025. ONLY CONCENTRATIONS THAT EXCEED THE NCAC 2B STANDARDS ARE SHOWN. SAMPLES ARE MEASURED IN MICROGRAMS PER LITER (ug/L). DIRECT CONTACT RISK LEVELS ARE SHOWN FOR THE RECREATOR/ TRESPASSER RECEPTOR.
CR: CARCINOGENIC RISK
HI: HAZARD INDEX

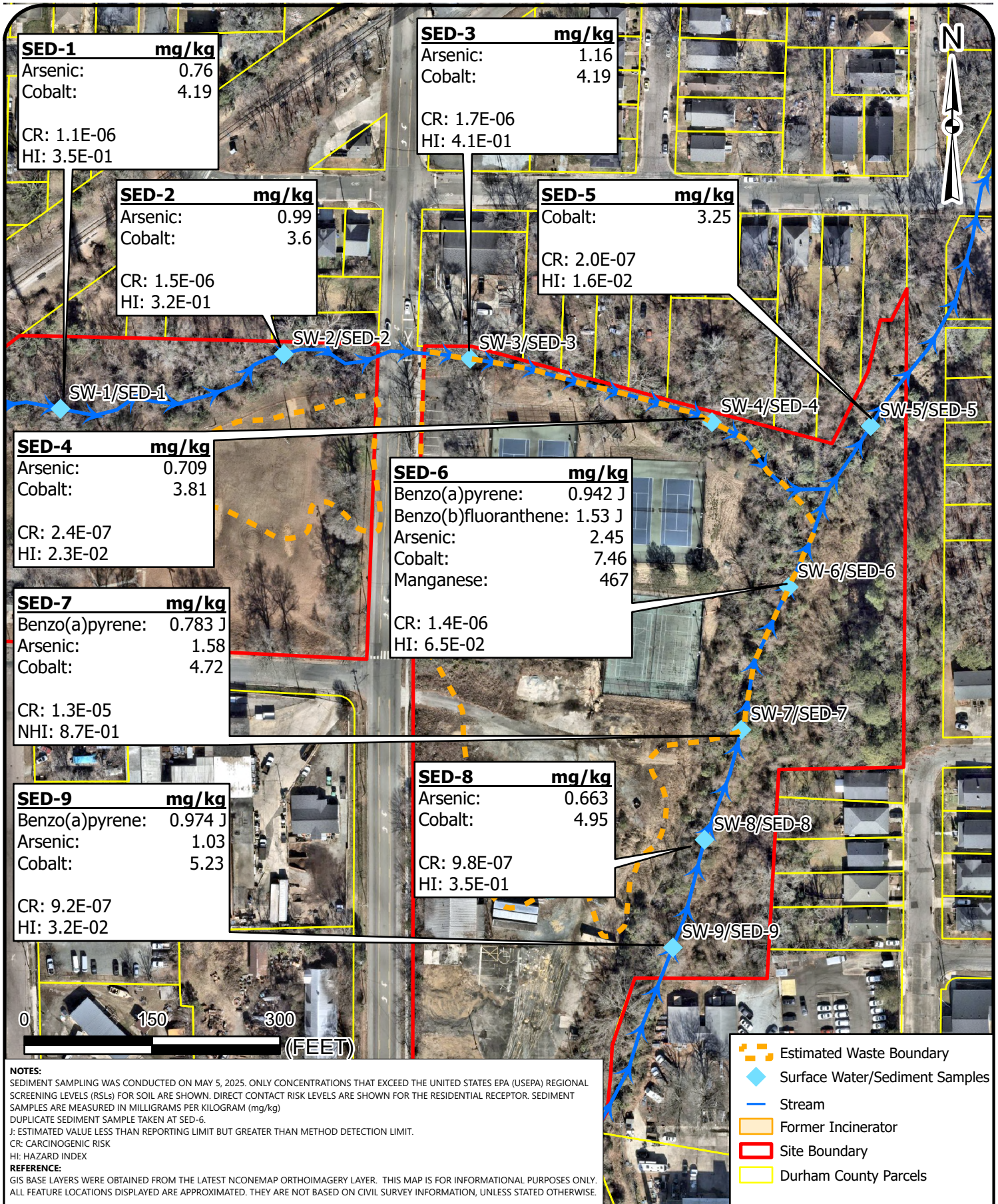
REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM THE LATEST NCONEMAP ORTHOIMAGERY LAYER. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

SURFACE WATER ANALYTICAL RESULTS

EAST END PARK
NCDEQ ID NO. NONCD0000823, TASK ORDER 823RI-8
1200 N. ALSTON AVENUE
DURHAM, NORTH CAROLINA

SCALE: 1 in = 150 ft
DATE: 11/25/2025
PROJECT NUMBER 23050630
FIGURE NO. 6

Drawing Path: T:\Raleigh-1050\Projects\2023\23050209_NCDEQ LF_Harmony Refuse Dump_Harmony NC\ENV\GIS\RI-4-5 MW & SG Map\823RI-8 Figures BMG.aprx Plotted by: MadisonAllen



NOTES:
SEDIMENT SAMPLING WAS CONDUCTED ON MAY 5, 2025. ONLY CONCENTRATIONS THAT EXCEED THE UNITED STATES EPA (USEPA) REGIONAL SCREENING LEVELS (RSLs) FOR SOIL ARE SHOWN. DIRECT CONTACT RISK LEVELS ARE SHOWN FOR THE RESIDENTIAL RECEPTOR. SEDIMENT SAMPLES ARE MEASURED IN MILLIGRAMS PER KILOGRAM (mg/kg)
DUPLICATE SEDIMENT SAMPLE TAKEN AT SED-6.
J: ESTIMATED VALUE LESS THAN REPORTING LIMIT BUT GREATER THAN METHOD DETECTION LIMIT.
CR: CARCINOGENIC RISK
HI: HAZARD INDEX
REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM THE LATEST NCONEMAP ORTHOIMAGERY LAYER. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

SEDIMENT SAMPLE ANALYTICAL RESULTS

EAST END PARK
NCDEQ ID NO. NONCD0000823, TASK ORDER 823RI-8
1200 N. ALSTON AVENUE
DURHAM, NORTH CAROLINA

SCALE: 1 in = 150 ft
DATE: 11/26/2025
PROJECT NUMBER 23050630
FIGURE NO. 7

Drawing Path: T:\Raleigh-1050\Projects\2023\23050209_NCDEQ LF_Harmony Refuse Dump_Harmony NC\ENV\GIS\RI-4-5 MW & SG Map\823RI-8 Figures BMG.aprx Plotted by: MadisonAllen

Tables

TABLE 1
Landfill Gas Probe & Gas Implant Construction Details
City of Durham Parks - East End Park (NONCD0000823)
1200 N. Alston Avenue, Durham, North Carolina
S&ME Project No. 23050630 Task Order RI-8

ID	Date Installed	Type	Casing Material	Total Depth (ft-bgs)	Casing Interval (ft-bgs)	Screen Interval (ft-bgs)	Grout Interval (ft-bgs)	Bentonite Interval (ft-bgs)	Filter Pack Interval (ft-bgs)
LFGP-1	4/11/25	Flushmount-Gas Probe	1-in Sch 40 PVC	9.0	0.0 - 6.0	6.0 - 9.0	0.0 - 3.0	3.0 - 5.0	5.0 - 9.0
LFGP-2	4/11/25	Flushmount-Gas Probe	1-in Sch 40 PVC	9.0	0.0 - 6.0	6.0 - 9.0	0.0 - 3.0	3.0 - 5.0	5.0 - 9.0
LFGP-3	4/11/25	Flushmount-Gas Probe	1-in Sch 40 PVC	9.0	0.0 - 6.0	6.0 - 9.0	0.0 - 3.0	3.0 - 5.0	5.0 - 9.0
LFGP-4	4/11/25	Flushmount-Gas Probe	1-in Sch 40 PVC	9.0	0.0 - 6.0	6.0 - 9.0	0.0 - 3.0	3.0 - 5.0	5.0 - 9.0
LFGP-5	4/11/25	Flushmount-Gas Probe	1-in Sch 40 PVC	7.0	0.0 - 5.0	5.0 - 7.0	0.0 - 2.0	2.0 - 4.0	4.0 - 7.0
LFGP-6	4/11/25	Flushmount-Gas Probe	1-in Sch 40 PVC	9.0	0.0 - 6.0	6.0 - 9.0	0.0 - 3.0	3.0 - 5.0	5.0 - 9.0
LFGP-7	4/11/25	Flushmount-Gas Probe	1-in Sch 40 PVC	9.0	0.0 - 6.0	6.0 - 9.0	0.0 - 3.0	3.0 - 5.0	5.0 - 9.0
LFGP-8	4/11/25	Flushmount-Gas Probe	1-in Sch 40 PVC	9.0	0.0 - 6.0	6.0 - 9.0	0.0 - 3.0	3.0 - 5.0	5.0 - 9.0
LFGP-9	4/11/25	Flushmount-Gas Implant	1/4" tubing	5.0	NA	4.0 - 5.0	NA	0.0 - 3.0	3.0 - 5.0
LFGP-10	4/11/25	Flushmount-Gas Implant	1/4" tubing	4.0	NA	3.0 - 4.0	NA	0.0 - 2.0	2.0 - 4.0

Notes:

LFGP-9 and LFGP-10 were installed as soil gas implants due to shallow groundwater.

ft-bgs: feet below ground surface.

in: inches

N/A: Not Applicable

The Soil Gas Probe and Implant locations are indicated on **Figure 1.**

TABLE 2
Landfill Gas Field Screening Results
City of Durham Parks - East End Park (NONCD0000823)
1200 N. Alston Avenue, Durham, North Carolina
S&ME Project No. 23050630 Task Order RI-8

Field Parameter		Volatile Organic Compounds (ppm-v)	Methane (Volume in Air %)	Methane (% Lower Explosive Limit)	Hydrogen Sulfide (ppm-v)
Sample ID	Screening Date				
BG-1	4/30/2025	0.0	0.0	0.0	0.0
BG-2	4/30/2025	0.0	0.0	0.0	0.0
BG-3	4/30/2025	0.0	0.0	0.0	0.0
BG-4	4/30/2025	0.0	0.0	0.0	0.0
LFGP-1	4/30/2025	**2.1**	0.0	0.0	0.0
LFGP-2	4/30/2025	**3.9**	0.0	0.0	0.0
LFGP-3	4/30/2025	**3.6**	0.0	0.0	0.0
LFGP-4	4/30/2025	**2.2**	0.0	0.0	0.0
LFGP-5	4/30/2025	**4.5**	**7.8**	>>>	**1.0**
LFGP-6	4/30/2025	**1.1**	0.0	0.0	0.0
LFGP-7	4/30/2025	**8.4**	0.0	0.0	0.0
LFGP-8	4/30/2025	**1.0**	**2.6**	**52.0**	**1.0**
LFGP-9	4/30/2025	**1.2**	0.0	0.0	0.0
LFGP-10	4/30/2025	**2.6**	**2.1**	**42.0**	0.0

Notes:

Percent %: Percent methane in air, Lower Explosive Limit for Methane is 5%.

PPM-V: Parts Per Million by Volume in Air

Bold indicates a concentration greater than background concentrations.

Highlighted indicates a concentration exceeding the lower explosive limit for methane

>>>: Greater than 100% LEL for Methane.

See **Figure 2** for landfill screening locations

TABLE 3
Landfill Gas Sample Analytical Results Summary
City of Durham Parks - East End Park (NONCD0000823)
1200 N. Alston Avenue, Durham, North Carolina
S&ME Project No. 23050630 Task Order RI-8

Analytical Method	Analyte	CAS Number	Sample ID	LFGP-1	LFGP-2	LFGP-3	LFGP-4	LFGP-5	LFGP-6	LFGP-7	LFGP-8	LFGP-9	LFGP-10	Dup-1	Dup-2
			Date Collected	5/9/2025	5/9/2025	5/9/2025	5/8/2025	5/8/2025	5/8/2025	5/8/2025	5/8/2025	5/8/2025	5/8/2025	5/8/2025	5/9/2025
Volatile Organic Compounds by Method TO-15 (µg/m3)	1,1-Dichloroethane	75-34-3		<26	<24	<12	<3.0	<12	<3.0	<49	<49	<24	<24	<3.0	<24
	1,1-Dichloroethylene	75-35-4		<25	<24	<12	<3.0	<12	<3.0	<48	<48	<24	<24	<3.0	<24
	1,2,4-Trimethylbenzene	95-63-6		<31	<29	<15	<3.7	<15	<3.7	<59	<59	<29	<29	<3.7	<29
	1,2-Dichlorotetrafluoroethane	76-14-2		<45	<42	<21	<5.2	<21	<5.2	<84	<84	<42	<42	<5.2	<42
	1,3,5-Trimethylbenzene	108-67-8		<31	<29	<15	<3.7	<15	<3.7	<59	<59	<29	<29	<3.7	<29
	1,3-Dichlorobenzene	541-73-1		**110**	**770**	**760**	**26**	**33 J**	**16**	**1100**	**1400**	**320**	**720**	**26**	**770**
	1,4-Dichlorobenzene	106-46-7		<38	<36	<18	<4.5	<18	<4.5	<72	<72	<36	<36	<4.5	<36
	2-Butanone (MEK)	78-93-3		<19	<18	**33**	**3.3 J**	<8.8	**5.6**	<35	<35	<18	**19 J**	**3.3 J**	<18
	Benzene	71-43-2		**20**	**25**	<9.6	<2.4	**20**	**12**	<38	<38	<19	<19	<2.4	**25**
	Carbon Disulfide	75-15-0		<50	**53**	**64**	**6.1**	**24**	<5.8	<93	<93	<47	<47	<5.8	**51**
	Chlorobenzene	108-90-7		<29	<28	<14	<3.5	<14	<3.5	<55	<55	<28	<28	<3.5	<28
	Chloroethane	75-00-3		<17	<16	<7.9	<2.0	<7.9	<2.0	<32	<32	<16	<16	<2.0	<16
	Chloroform	67-66-3		<31	<29	<15	<3.7	<15	<3.7	<59	<59	<29	<29	<3.7	<29
	cis-1,2-Dichloroethylene	156-59-2		<25	<24	<12	<3.0	<12	<3.0	<48	<48	<24	<24	<3.0	<24
	Cyclohexane	110-82-7		<22	**32 J**	<10	**4.9 J**	**220**	**4.1 J**	**120**	<41	<21	<21	**4.8 J**	**32 J**
	Dichlorodifluoromethane	75-71-8		<79	<74	<37	<9.3	<37	<9.3	<150	<150	<74	<74	<9.3	<74
	Ethyl acetate	141-78-6		<23	<22	<11	**7.3**	<11	<2.7	<43	<43	<22	<22	**6.9**	<22
	Ethylbenzene	100-41-4		<28	<26	<13	<3.3	<13	<3.3	<52	<52	<26	<26	<3.3	<26
	Heptane	142-82-5		<26	**96**	<12	<3.1	**63**	<3.1	<49	<49	<25	<25	<3.1	**96**
	Hexane	110-54-3		<23	**480**	<11	**34**	**160**	**4.4 J**	<42	<42	<21	<21	**34**	**480**
	Isopropylbenzene	98-82-8		<31	<29	<15	<3.7	<15	<3.7	<59	<59	<29	<29	<3.7	<29
	m+p-Xylenes	179601-23-1		<56	<52	<26	<6.5	<26	<6.5	<100	<100	<52	<52	<6.5	<52
	4-Methyl-2-pentanone (MIBK)	108-10-1		<73	<69	**48 J**	**21 J**	**41 J**	**47**	<140	<140	<69	<69	**19 J**	<69
	Methylene chloride	75-09-2		<56	**170**	<26	**140**	<26	<6.5	<100	<100	<52	<52	**130**	**170**
	Naphthalene	91-20-3		<34	<31	<16	<3.9	<16	<3.9	<63	<63	<31	<31	<3.9	<31
	o-Xylene	95-47-6		<28	<26	<13	<3.3	**15 J**	<3.3	<52	<52	<26	<26	<3.3	<26
	Propylene	115-07-1		**25**	**810**	**13**	**12**	**110**	**4.5**	**230**	<17	<8.3	<8.3	**12**	**810**
	Tetrachloroethylene (PCE)	127-18-4		**48 J**	**840**	<20	**82**	**22**	<5.1	<81	<81	<41	<41	**82**	**840**
	Tetrahydrofuran	109-99-9		<19	<18	<8.8	**2.2 J**	<8.8	**2.2 J**	<35	<35	<18	<18	**2.3 J**	<18
	Toluene	108-88-3		<24	<23	<11	<2.8	**95**	**3.7 J**	**57 J**	<45	<23	<23	<2.8	<23
	trans-1,2-Dichloroethylene	156-60-5		<25	<24	<12	<3.0	<12	<3.0	<48	<48	<24	<24	<3.0	<24
	Trichloroethylene	79-01-6		<34	<32	<16	<4.0	<14	<4.0	<64	<64	<32	<32	<4.0	<32
	Trichlorofluoromethane	75-69-4		<90	<84	<42	<11	<42	<11	<170	<170	<84	<84	<11	<84
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		<49	<46	<23	<5.7	<23	**86**	<92	<92	<46	<46	<5.7	<46
	Vinyl chloride	75-01-4		<16	<15	<7.7	<1.9	<7.7	<1.9	<31	<31	<15	<15	<1.9	<15
	Xylenes, Total	1330-20-7		<83	<78	<39	<9.8	<39	<9.8	<160	<160	<78	<78	<9.8	<78
ASTM D5504-12 (ug/m3)	Hydrogen Sulfide	7783-06-4		<14 *	<14	<14	<14	<14	<14	<14	**33**	<14	<14	<14	NS
NIOSH 6009 (µg/m3)	Mercury	7439-97-6		<0.33	<0.32	<0.67	<0.33	<0.33	<0.33	<0.33	<0.33	<0.67	<0.33	<0.33	NS
EPA Method 3C (%)	Methane	74-82-8		<1.6	<0.45	<0.45	<0.45	**8.31**	<0.45	<0.45	**1.5**	<0.45	<0.45	<0.45	<0.45
NCDEQ Risk Calculator Values	Vapor Intrusion Resident Soil Gas To Indoor Air	Cumulative Carcinogenic Risk		1.8E-06	3.6E-06	0.0E+00	2.5E-07	1.7E-06	1.0E-06	0.0E+00	0.0E+00	NE	0.0E+00	See LFGP-4 Risk Assessment	See LFGP-2 Risk Assessment
		Non-Carcinogenic Hazard Quotiennt		5.4E-02	4.7E-01	2.8E-03	6.3E-02	5.4E-02	1.2E-02	3.1E-03	4.7E-01	NE	1.1E-04		
	Vapor Intrustion Non-Residential Worker Soil Gas To Indoor Air	Cumulative Carcinogenic Risk		1.4E-07	2.5E-07	0.0E+00	1.7E-08	1.3E-07	7.6E-08	0.0E+00	0.0E+00	NE	0.0E+00		
		Non-Carcinogenic Hazard Quotiennt		4.3E-03	3.7E-02	2.2E-04	5.0E-03	4.3E-03	9.4E-04	2.5E-04	3.8E-02	NE	8.7E-06		

Notes:
µg/m^3: micrograms per cubic meter.
Concentrations shown in **BOLD** exceed the laboratory detection limits.
Concentrations that were entered into the NCDEQ Risk Calculator (January 2025 Version).
Concentrations not were entered into the NCDEQ Risk Calculator (January 2025 Version), Compound not in Calculator.
Exceedes the Lower Explosive Limit (LEL) of methane which is 5% by volume, exceedances of the LEL are highlighted.
Duplicate-1 taken at LFGP-4
Duplicate-2 taken at LFGP-2
J: Estimated value less than the reporting limit but greater than the method detection limit.
NIOSH 6009 Mercury Samples were collected on May 7, 2025. DUP-1 was sampled at LFGP-4, and DUP-2 was sampled at LFGP-2.
*: Hydrogen Sulfide Samples were collected on June 30, 2025
NE: No entries into the Risk Calculator.
NS: Not Sampled.

TABLE 4
Groundwater Monitor Well Construction & Groundwater Level
City of Durham Parks - East End Park (NONCD0000823)
1200 N. Alston Avenue, Durham, North Carolina
S&ME Project No. 23050630 Task Order RI-8

ID	Date Installed	Type	Casing Material	Total Depth (ft-bgs)	Casing Interval (ft-bgs)			Screen Interval (ft-bgs)			Grout Interval (ft-bgs)			Bentonite Interval (ft-bgs)			Filter Pack Interval (ft-bgs)			Top of Casing Elevation (ft-amsl)	Date Water Level Measured	Depth to Groundwater (ft-btoc)	Groundwater Elevation (ft-amsl)
MW-1	5/15/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	57.5	0.0	to	37.5	37.5	to	57.5	0.0	to	33.5	33.5	to	35.5	35.5	to	57.5	339.19	6/2/2025	3.95	335.24
MW-2	5/15/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	28.0	0.0	to	8.0	8.0	to	28.0	0.0	to	4.0	4.0	to	6.0	6.0	to	28.0	337.12	5/30/2025	10.43	326.69
MW-3	5/15/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	56.5	0.0	to	36.5	36.5	to	56.5	0.0	to	32.5	32.5	to	34.5	34.5	to	56.5	341.60	5/30/2025	9.06	332.54
MW-4	5/14/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	54.0	0.0	to	34.0	34.0	to	54.0	0.0	to	30.0	30.0	to	32.0	32.0	to	54.0	346.37	6/2/2025	12.25	334.12
MW-5	5/14/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	18.0	0.0	to	8.0	8.0	to	18.0	0.0	to	4.0	4.0	to	6.0	6.0	to	18.0	329.68	5/30/2025	0.91	328.77
MW-6	5/14/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	20.0	0.0	to	10.0	10.0	to	20.0	0.0	to	6.0	6.0	to	8.0	8.0	to	20.0	331.41	6/2/2025	8.35	323.06
MW-7	5/15/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	32.0	0.0	to	12.0	12.0	to	32.0	0.0	to	8.0	8.0	to	10.0	10.0	to	32.0	333.80	5/30/2025	2.97	330.83
MW-8	5/15/25	Flush Mount - Monitoring Well	2-in Sch 40 PVC	58.0	0.0	to	38.0	38.0	to	58.0	0.0	to	34.0	34.0	to	36.0	36.0	to	58.0	342.40	5/30/2025	12.05	330.35

Notes:
ft-bgs: feet below ground surface.
in: inches
Monitoring Well locations are indicated on **Figure 1.**

TABLE 5

Groundwater Field Screening Parameters

City of Durham Parks - East End Park (NONCD0000823)

1200 N. Alston Avenue, Durham, North Carolina

S&ME Project No. 23050630 Task Order RI-8

Sample Location ID	Date	Field Parameter			
		pH	Temperature (°C)	Conductivity (µS/cm)	Turbidity (NTU)
MW-1	6/2/2025	8.6	17.6	436.0	81.5
MW-2	5/30/2025	7.6	20.9	571.0	14.8
MW-3	5/30/2025	8.7	20.5	529.0	641.0
MW-4	6/2/2025	7.8	20.0	451.0	40.1
MW-5	5/30/2025	7.2	22.8	540.0	19.0
MW-6	6/2/2025	7.0	17.0	1026.0	127.0
MW-7	5/30/2025	7.7	24.4	610.0	12.9
MW-8	5/30/2025	8.1	19.8	684.0	16.6

Notes:

Temperature: degrees Celsius (°C)

Conductivity: microsiemens per centimeter (µS/cm)

Turbidity: Nephelometric Turbidity Units

TABLE 6
Groundwater Sample Analytical Results Summary
City of Durham Parks - East End Park (NONCD0000823)
1200 N. Alston Avenue, Durham, Durham County, North Carolina
S&ME Project No. 23050630 Task Order RI-8

Analytical Method		Method 8260 - Volatile Organic Compounds (VOCs) (µg/L)		Method 8270E - Semi Volatile Organic Compounds (SVOCs) (µg/L)				Method 6020B - Metals (µg/L)					Method 6020B - Metals (µg/L)							Method 350.1 (µg/L)	Method 9056A (µg/L)	
CAS Number		1634-04-4	79-01-6	83-32-9	105-60-2	86-73-7	85-01-8	7440-36-0	7440-38-2	7440-39-3	7440-41-7	7440-47-3	7440-48-4	7440-50-8	7439-92-1	7439-96-5	7440-02-0	7440-62-2	7440-66-6	7664-41-7	14797-55-8	14808-79-8
Analyte		Methyl tert-butyl ether	Trichloroethene	Acenaphthene	Caprolactam	Fluorene	Phenanthrene	Antimony	Arsenic	Barium	Beryllium	Chromium, Total	Cobalt	Copper	Lead	Manganese	Nickel	Vanadium	Zinc	Ammonia Nitrogen	Nitrate as (N)	Sulfate
Sample ID	Date Collected																					
MW-1	6/2/2025	<0.22	<0.15	<0.622	<2.37	<0.661	<0.73	**0.345 J**	**1.88 J**	**163**	<0.2	**1.66 J**	**0.355 J**	**1.21 J**	**4.32**	**53.5**	**1.14 J**	**2.6 J**	**6.95 J B**	<46	<63	**2,910**
MW-2	5/30/2025	<0.22	<0.15	<0.622	<2.37	<0.661	<0.73	<0.34	**0.97 J**	**422**	<0.2	<1.2	**1.43**	<1.08	<0.21	**845**	**0.82 J**	<0.63	<2.8	**808**	<63	**10,600**
MW-3	5/30/2025	<0.22	<0.15	<0.62	<2.36	<0.659	<0.728	<0.34	**1.29 J**	**336**	**0.375 J**	**2.11 J**	**0.98**	**7.78**	**1.98 J**	**56.1**	**2.41 J**	**3.85 J**	**6.39 J**	<46	<63	**6,800**
MW-4	6/2/2025	**1.08**	<0.15	<0.616	<2.35	<0.655	<0.723	<0.34	**1.03 J**	**574**	<0.2	**1.2 J**	**1.18**	**1.28 J**	**0.56 J**	**276**	**3.75 J**	**2.4 J**	**5.14 J B**	<46	**402**	**6,740**
MW-5	5/30/2025	<0.22	**0.212 J**	**1.28 J**	<2.37	**0.694 J**	**2.32 J**	**0.535 J**	**1.77 J**	**361**	<0.2	**9.53**	**3.95**	**3.7 J**	**0.335 J**	**3410**	**1.13 J**	**3.35 J**	**52.8**	**950**	<63	**3,260**
MW-6	6/2/2025	<0.22	<0.15	<0.622	<2.37	<0.661	<0.73	<0.34	**7.13**	**714**	<0.2	**3 J**	**2.18**	**1.67 J**	**3.38**	**1870**	**1.37 J**	**2.06 J**	**24.8 B**	**4,940**	<63	**832 J**
MW-7	5/30/2025	<0.22	<0.15	<0.62	<2.36	<0.659	<0.728	<0.34	<0.86	**482**	<0.2	**4.16 J**	**0.595**	<1.08	<0.21	**109**	**1.94 J**	**1.55 J**	**3.15 J**	<46	**25,000 E**	**3,720**
MW-8	5/30/2025	**16.7**	<0.15	<0.62	**54.6**	<0.659	<0.728	<0.34	<0.86	**363**	<0.2	<1.2	**1.49**	<1.08	<0.21	**311**	**6.05**	**1.37 J**	**5.79 J**	<46	<63	**25,600**
DUP-1	5/30/2025	<0.22	<0.15	**1.62 J**	<2.41	<0.659	**2.59**	**0.345 J**	**1.91 J**	**415**	<0.2	**6.19**	**4.39**	**2.4 J**	**0.235 J**	**3810**	**1.01 J**	**2.33 J**	**42.3**	**1,070**	<63	**3,330**
DUP-2	6/2/2025	**1.93**	<0.15	<0.616	<2.35	<0.655	<0.723	<0.34	<0.86	**602**	<0.2	<1.2	**1.93**	**1.86 J**	**0.885 J**	**304**	**4.59 J**	**3.51 J**	**5.89 J B**	<46	**615**	**7,490**
15 NCAC 2L Standards & IMACs		20	3	80	4,000	300	200	1	10	700	4	10	1	1,000	15	50	100	7	1,000	1,500	10,000	250,000

Notes:
mg/L: Milligrams per liter.
µg/L: Micrograms per liter.
Concentrations shown with "<" do not exceed the laboratory method detection limits (MDLs).
Concentrations shown in **BOLD** exceed the laboratory MDLs.
All detections that exceed the 15 NCAC 2L Standards and IMACs are highlighted.
J: Estimated value less than the reporting limit but greater than the method detection limit.
E: Result exceeded calibration range.
NE: Standard Not Established
B: Compound was found in trip blank and sample
DUP-1 was taken at MW-5
DUP-2 was taken at MW-4

Table 7
Surface Water Sample Analytical Results Summary
City of Durham Parks - East End Park (NONCD0000823)
1200 N. Alston Avenue, Durham, Durham County, North Carolina
S&ME Project No. 23050630 Task Order RI-8

Analytical Method		Method 8260D - Volatile Organic Compounds (VOCs) (µg/L)						Method 6020B - Metals (µg/L)											Method 7471B (µg/L)	Method 350.1 (µg/L)	Method 9056A (µg/L)		NCDEQ Risk Calculator for Direct Contact Recreator/Trespasser Receptor	
CAS Number		67-64-1	75-34-3	156-59-2	79-01-6	76-13-1	105-60-2	7440-38-2	7440-39-3	7440-43-9	7440-47-3	7440-48-4	7440-50-8	7439-92-1	7439-96-5	7440-02-0	7440-22-4	7440-62-2	7440-66-6	7439-97-6	7664-41-7	14797-55-8	14808-79-8		
Analyte		Acetone	1,1-Dichloroethane	cis-1,2-Dichloroethene	Trichloroethene	1,1,2-Trichloro-1,2,2-trifluoroethane	Caprolactam	Arsenic	Barium	Cadmium	Chromium, Total	Cobalt	Copper	Lead	Manganese	Nickel	Silver	Vanadium	Zinc	Mercury	Ammonia Nitrogen	Nitrate as (N)	Sulfate	Cumulative Carcinogenic Risk	Non-Carcinogenic Hazard Quotient
Sample ID	Date Collected																							
SW-1	5/5/2025	**10.4 J**	<0.5	<0.2	<0.15	<0.5	<2.34	**2.02 J**	**38.5**	<0.237	<3.69	<0.411	**11.3**	**6.51**	**75.8**	**2.47 J**	**0.207 J**	**4.26 J**	**30.5**	<0.166	**129**	**509**	**6,960**	1.8E-06	0.072
SW-2	5/5/2025	**10.9 J**	<0.5	<0.2	<0.15	<0.5	**2.94 J**	**1.48 J**	**36.2**	<0.237	<3.69	<0.411	**11.2**	**6.61**	**73**	**2.23 J**	<0.167	**3.81 J**	**33.5**	<0.166	**164**	**399**	**6,160**	1.3E-06	0.062
SW-3	5/5/2025	**12.9 J**	<0.5	<0.2	<0.15	<0.5	<2.4	<1.32	**33.4**	<0.237	<3.69	**0.709 J**	**11.7**	**8.04**	**78.5**	**2.83 J**	<0.167	**4.74 J**	**35.4**	<0.166	**176**	**341**	**5,310**	0.0E+00	0.055
SW-4	5/5/2025	**12.3 J**	<0.5	<0.2	<0.15	<0.5	<2.3	<1.32	**37.7**	<0.237	**3.83 J**	**1.03 J**	**13.7**	**11.9**	**113**	**3.97 J**	<0.167	**5.38**	**42.9**	**0.172 J**	**176**	**312**	**4,820**	0.0E+00	0.075
SW-5	5/5/2025	<10	**0.689 J**	**2.07**	<0.15	**0.862 J**	<2.32	**1.33 J**	**67**	**0.248 J**	<3.69	<0.411	**3.94**	**1.38**	**199**	**2.54 J**	<0.167	**1.83 J**	**13**	**0.267**	**97**	**3,640**	**25,300**	1.2E-06	0.130
SW-6	5/5/2025	**12.5 J**	<0.5	**0.752 J**	<0.15	<0.5	**2.75**	**2.65 J**	**66.7**	<0.237	**8.5**	**3.55 J**	**19.8**	**22.2**	**213**	**8.55**	<0.167	**12**	**69.2**	**0.184 J**	**192**	**403**	**30,500**	2.5E-06	0.210
SW-7	5/5/2025	**14.1 J**	<0.5	**2.11**	**0.348 J**	<0.5	<2.4	**2.8 J**	**59.4**	<0.237	**7.12**	**2.72 J**	**17.4**	**19.8**	**175**	**6.79**	<0.167	**10.3**	**62.6**	**0.245**	**205**	**375**	**17,400**	2.50E-06	0.210
SW-8	5/5/2025	<10	<0.5	**2.16**	**0.343**	<0.5	<2.38	**2.26 J**	**55.4**	<0.237	**5.22**	**1.22 J**	**12.8**	**7.46**	**99.9**	**4.93 J**	<0.167	**7.62**	**40.9**	<0.166	**126**	**369**	**8,740**	2.0E-06	0.120
SW-9	5/5/2025	<10	<0.5	**2.05**	**0.271 J**	<0.5	<2.42	**1.99 J**	**56.6**	<0.237	**3.77 J**	**1.04 J**	**12.1**	**6.51**	**99.2**	**4.48 J**	<0.167	**6.2**	**49.5**	<0.166	**123**	**381**	**9,240**	1.80E-06	0.110
SW-DUP	5/5/2025	**14.1 J**	<0.5	**0.77 J**	<0.15	<0.5	<2.38	**2.8 J**	**59.4**	<0.237	**7.12**	**2.72 J**	**17.4**	**19.8**	**175**	**6.79**	<0.167	**10.3**	**62.6**	**0.245**	**205**	**326**	**17,400**	See SW-7	
15A NCAC 2B Surface Water Standards		NE	NE	NE	**2.5**	NE	NE	**10**	**1000**	**0.25**	**24**	NE	**2.7**	**0.54**	NE	**16**	**0.30**	NE	**36**	**0.012**	NE	**10,000**	**250,000**		

Notes:
mg/L: Milligrams per liter.
µg/L: Micrograms per liter.
Concentrations shown with "<" do not exceed the laboratory method detection limits (MDLs).
Concentrations shown in **BOLD** exceed the laboratory MDLs.
All detections that exceed the 15A NCAC 2B Standards are highlighted.
Compound not in the NCDEQ Risk Calculator, compound was not entered.
SW-DUP was taken at SW-7.
J: Estimated value less than the reporting limit but greater than the method detection limit.
NE: Standard Not Established
NCDEQ Risk Calculator Values shown in red exceed risk.

Table 8
Sediment Sample Analytical Results Summary
City of Durham Parks - East End Park (NONCD0000823)
1200 N. Alston Avenue, Durham, Durham County, North Carolina
S&ME Project No. 23050630 Task Order RI-8

Analytical Method		Method 8260D - Volatile Organic Compounds (VOCs) (mg/Kg)													Method 6020B - Metals (mg/Kg)																	Method 350.1 (mg/Kg)	Method 9056A (mg/Kg)		NCDEQ Risk Calculator					
CAS Number		67-64-1	156-59-2	78-93-3	79-01-6	56-55-3	50-32-8	205-99-2	207-08-9	75-15-0	218-01-9	206-44-0	85-01-8	129-00-0	7440-36-0	7440-38-2	7440-39-3	7440-41-7	7440-43-9	7440-47-3	7440-48-4	7440-50-8	7439-92-1	7439-96-5	7440-02-0	7782-49-2	7440-22-4	7440-28-0	7440-62-2	7440-66-6	7664-41-7	14797-55-8	14808-79-8	Direct Contact Resident		Direct Contact Non-Residential Worker		Direct Contact Recreator/Trespasser	
Analyte		Acetone	cis-1,2-Dichloroethene	2-Butanone (MEK)	Trichloroethene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Carbon Disulfide	Chrysene	Fluoranthene	Phenanthrene	Pyrene	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium, Total	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Ammonia Nitrogen	Nitrate as (N)	Sulfate	Cumulative Carcinogenic Risk	Non-Carcinogenic Hazard Quotient	Cumulative Carcinogenic Risk	Non-Carcinogenic Hazard Quotient	Cumulative Carcinogenic Risk	Non-Carcinogenic Hazard Quotient
Sample ID	Date Collected																																					
SED-1	5/5/2025	**0.0201 J**	<0.000811	<0.0064	<0.00107	<0.578	<0.309	<0.65	<0.512	<0.0027	<0.696	**0.977 J**	<0.532	**0.623 J**	<0.16	**0.76**	**24.8**	**0.141 J**	**0.0903 J**	**6.13**	**4.22**	**8.59 B**	**39.1**	**168**	**11.8**	<0.124	**0.0154 J**	<0.0294	**12.2**	**53**	**1.1 J**	<0.891	**25.3 J**	1.1E-06	3.5E-01	2.5E-07	2.4E-02	4.8E-07	1.5E-01
SED-2	5/5/2025	<0.0108	<0.000681	<0.00538	<0.000897	<0.54	<0.289	<0.608	<0.479	<0.00227	<0.651	**0.594 J**	<0.497	**0.482 J**	**0.15 J**	**0.99**	**24.9**	**0.216 J**	**0.0925 J**	**15.3**	**3.6**	**13.9 B**	**20.6**	**113**	**9.96**	<0.116	**0.0124 J**	<0.0275	**16.1**	**49.7**	<0.399	<0.836	**20.2 J**	1.5E-06	3.2E-01	3.3E-07	2.1E-02	6.3E-07	1.4E-01
SED-3	5/5/2025	**0.0269 J**	<0.000857	<0.00677	<0.00113	<0.613	<0.327	<0.689	<0.543	<0.00285	<0.738	**0.786 J**	<0.564	<0.543	**0.224 J**	**1.16**	**38.7**	**0.186 J**	**0.0597 J**	**8.88**	**4.19**	**10.8 B**	**41.5**	**125**	**13.8**	<0.144	**0.0262 J**	**0.0402 J**	**17.9**	**51.2**	<0.451	<0.951	**13.1 J**	1.7E-06	4.1E-01	3.9E-07	2.8E-02	7.3E-07	1.8E-01
SED-4	5/5/2025	**0.0175 J**	<0.000597	<0.00471	<0.000785	<0.498	<0.266	<0.56	<0.441	<0.00199	<0.6	**0.739 J**	<0.458	**0.471 J**	**0.741**	**0.709**	**22.3**	**0.134 J**	**0.0781 J**	**4.96**	**3.81**	**37 B**	**21.2**	**112**	**11.2**	<0.104	**0.0139 J**	<0.0246	**12.9**	**51.5**	<0.359	<0.747	<8.26	1.0E-06	3.3E-01	2.4E-07	2.3E-02	4.5E-07	1.4E-01
SED-5	5/5/2025	<0.011	**0.00216 J**	<0.00551	**0.00124 J**	<0.49	<0.261	<0.551	<0.434	<0.00232	<0.59	**0.496 J**	<0.451	<0.434	<0.134	**0.593**	**13.3**	**0.0897 J**	**0.0618 J**	**5.15**	**3.25**	**6.27 B**	**13**	**80.9**	**9.24**	<0.104	**0.00851 J**	<0.0247	**8.48**	**42.8**	<0.339	<0.76	**28.3**	8.8E-07	2.4E-01	2.0E-07	1.6E-02	3.8E-07	1.0E-01
SED-6	5/5/2025	**0.099**	<0.000981	**0.0119 J**	<0.00129	**0.873 J**	**0.942 J**	**1.53 J**	**0.782 J**	<0.00326	**1.2 J**	**1.73 J**	**1.2 J**	**1.97 J**	**0.478 J**	**2.45**	**79.8**	**0.389 J**	**0.293 J**	**14.4**	**7.46**	**43.6 B**	**52.1**	**467**	**18.7**	**0.3 J**	**0.0641 J**	**0.0674 J**	**24.9**	**182**	<0.458	**1.38 J**	**73.5**	1.4E-06	9.5E-01	1.4E-06	6.5E-02	6.0E-06	4.1E-01
SED-7	5/5/2025	**0.0921**	<0.000815	**0.00849 J**	<0.00107	**0.792 J**	**0.783 J**	**0.995 J**	**0.737 J**	<0.00271	**0.92 J**	**1.39 J**	**1.19 J**	**1.51 J**	**0.627 J**	**1.58**	**42.9**	**0.241 J**	<0.0132	**10.2**	**4.72**	**16.4 B**	**48.8**	**155**	**12.9**	**0.206 J**	**0.0272 J**	**0.0347 J**	**14.8**	**85.1**	<0.428	<0.94	<10.4	1.3E-05	8.7E-01	1.3E-06	5.9E-02	5.4E-06	3.7E-01
SED-8	5/5/2025	**0.0105 J**	<0.000632	<0.00499	<0.000831	<0.484	<0.258	<0.544	<0.429	**0.00226 J**	<0.583	<0.401	<0.445	<0.429	<0.13	**0.663**	**15**	**0.106 J**	**0.0758 J**	**6.1**	**4.95**	**11.7 B**	**12.2**	**114**	**16.7**	<0.101	**0.00978 J**	<0.0239	**10.5**	**47.3**	<0.349	<0.742	**9.32 J**	9.8E-07	3.5E-01	2.2E-07	2.3E-02	4.2E-07	1.5E-01
SED-9	5/5/2025	**0.026**	<0.000552	**0.00444 J**	<0.000726	**0.959 J**	**0.974 J**	**1.28 J**	**0.799 J**	<0.00184	**1.01 J**	**1.63 J**	**1.05 J**	**1.81 J**	**0.137 J**	**1.03**	**20.2**	**0.15 J**	**0.0958 J**	**8.85**	**5.23**	**12.9 B**	**15.1**	**445**	**18.8**	<0.105	**0.0143 J**	<0.0248	**17.2**	**55.1**	<0.357	<0.762	**10.7 J**	1.2E-05	4.7E-01	9.2E-07	3.2E-02	5.2E-06	2.0E-01
SED-DUP	5/5/2025	**0.0814**	<0.000824	**0.00922 J**	<0.00108	**0.747 J**	**0.839 J**	**1.33 J**	**0.699 J**	<0.00274	**1.03 J**	**1.41 J**	**0.797**	**1.63 J**	**0.424 J**	**2.24**	**68.1**	**0.343 J**	**0.262 J**	**13.2**	**6.54**	**33.9 B**	**47.3**	**445**	**16.3**	**0.267 J**	**0.0641 J**	**0.0625 J**	**22.2**	**168**	<0.417	**1.01 J**	**48**	**See SED-7**					
EPA Resident Soil Screening Levels		7,000	6.3	2,700	0.41	1.1	0.11	1.1	11	77	110	240	NE	180	3.1	0.68	1500	16	0.71	NE	2.3	310	200	180	140	39	39	0.078	39	2300	NE	13,000	NE						

Notes:
mg/Kg: Milligrams per kilogram
Concentrations shown with "<" do not exceed the laboratory method detection limits (MDLs).
Concentrations shown in **BOLD** exceed the laboratory MDLs.
Detections that exceed the USEPA Regional Screening Levels.
Compound not in the NCDEQ Risk Calculator, compound was not entered.
J: Estimated value less than the reporting limit but greater than the method detection limit.
NE: Standard Not Established
NCDEQ Risk Calculator Values shown in red exceed risk.
SED-DUP was sampled from SED-7

Appendices

Appendix I- Coordinates of Selected Features

APPENDIX I
Coordinates of Selected Features
City of Durham Parks - East End Park (NONCD0000823)
1200 N. Alston Avenue, Durham, North Carolina
S&ME Project No. 23050630 Task Order RI-8

Site Feature	Type	Location			
		Latitude	Longitude	Northing	Easting
LFGP-1	Landfill Gas Probe	35.99790726	-78.88657655	818155.7041	2033551.4697
LFGP-2	Landfill Gas Probe	35.99789942	-78.88616369	818152.9899	2033673.5997
LFGP-3	Landfill Gas Probe	35.99771693	-78.88634744	818086.4969	2033619.3197
LFGP-4	Landfill Gas Probe	35.99803681	-78.88558547	818203.1991	2033844.5817
LFGP-5	Landfill Gas Probe	35.99779363	-78.88466374	818114.9939	2034117.3390
LFGP-6	Landfill Gas Probe	35.99750701	-78.88510455	818010.5049	2033987.0670
LFGP-7	Landfill Gas Probe	35.99736951	-78.8855589	817960.2960	2033852.7237
LFGP-8	Landfill Gas Probe	35.99721671	-78.88464934	817904.9848	2034121.8442
LFGP-9	Landfill Gas Probe	35.99697418	-78.8853622	817816.4541	2033911.0750
LFGP-10	Landfill Gas Probe	35.99673534	-78.8850873	817729.6059	2033992.4948
MW-1	Monitor Well	35.986683	-78.870838	818129.99	2033449.59
MW-2	Monitor Well	35.986772	-78.870354	818226.33	2033645.30
MW-3	Monitor Well	35.985891	-78.871528	818040.28	2033628.00
MW-4	Monitor Well	35.985232	-78.871562	817859.58	2033798.93
MW-5	Monitor Well	35.984758	-78.870789	817636.64	2033982.20
MW-6	Monitor Well	35.985273	-78.870648	818121.95	2034169.36
MW-7	Monitor Well	35.985690	-78.870251	818352.52	2034058.28
MW-8	Monitor Well	35.985891	-78.870345	817825.44	2034363.31
SW-1/SED-1	Surface Water Sediment	35.984638	-78.871159	813330.90	2038118.23
SW-2/SED-2	Surface Water Sediment	35.984959	-78.871029	813447.72	2038156.53
SW-3/SED-3	Surface Water Sediment	35.985202	-78.870914	813536.42	2038190.60
SW-4/SED-4	Surface Water Sediment	35.985766	-78.870655	813741.83	2038266.85
SW-5/SED-5	Surface Water Sediment	35.986517	-78.870312	814015.32	2038368.18
SW-6/SED-6	Surface Water Sediment	35.987186	-78.870219	814258.82	2038395.25
SW-7/SED-7	Surface Water Sediment	35.986517	-78.870312	814015.32	2038368.18
SW-8/SED-8	Surface Water Sediment	35.987186	-78.870219	814258.82	2038395.25
SW-9/SED-9	Surface Water Sediment	35.987774	-78.870173	814472.98	2038408.49
AGV-1	Above Ground Vapor	35.98674794	-78.87031297	814096.7771	2038368.455
AGV-2	Above Ground Vapor	35.98660669	-78.87042994	814045.3139	2038333.918
AGV-3	Above Ground Vapor	35.98644868	-78.87047695	813987.7759	2038320.086
AGV-4	Above Ground Vapor	35.98631871	-78.87045479	813940.4755	2038326.702
AGV-5	Above Ground Vapor	35.98620207	-78.87043784	813898.023	2038331.772
AGV-6	Above Ground Vapor	35.98619021	-78.8706453	813893.6228	2038270.401
AGV-7	Above Ground Vapor	35.9863215	-78.87063361	813941.4191	2038273.798
AGV-8	Above Ground Vapor	35.98646609	-78.87063785	813994.0519	2038272.474
AGV-9	Above Ground Vapor	35.98660356	-78.870632	814044.0959	2038274.14
AGV-10	Above Ground Vapor	35.98646659	-78.87080268	813994.1702	2038223.709
AGV-11	Above Ground Vapor	35.98631451	-78.87080386	813938.8119	2038223.433
AGV-12	Above Ground Vapor	35.98619071	-78.8708001	813893.7449	2038224.603
AGV-13	Above Ground Vapor	35.98619637	-78.87094886	813895.7492	2038180.592
AGV-14	Above Ground Vapor	35.98632224	-78.87095573	813941.5651	2038178.499
AGV-15	Above Ground Vapor	35.98604838	-78.87116739	813841.7952	2038116.008
AGV-16	Above Ground Vapor	35.98602333	-78.87097717	813832.7495	2038172.297
AGV-17	Above Ground Vapor	35.98602201	-78.87080879	813832.3314	2038222.113
AGV-18	Above Ground Vapor	35.98601914	-78.87063546	813831.3554	2038273.395
AGV-19	Above Ground Vapor	35.98589279	-78.87066495	813785.3507	2038264.728
AGV-BG1	Above Ground Vapor	35.98656933	-78.8710316	814031.4842	2038155.936
AGV-BG2	Above Ground Vapor	35.98691131	-78.86982652	814156.4373	2038512.292
AGV-BG3	Above Ground Vapor	35.98673153	-78.86983135	814090.9907	2038510.95
AGV-BG4	Above Ground Vapor	35.98674657	-78.86997383	814096.4086	2038468.792

Notes:

Site feature locations are reported in decimal degrees for Lattitude/Longitude and in feet in the North Carolina State Plane Coordinate System (NAD83).

Appendix II – Well Construction Records for LFGP and MW

Print Form

WELL CONSTRUCTION RECORD (GW-1)

For Internal Use Only:

1. Well Contractor Information:

T. Bohard
Well Contractor Name

3307
NC Well Contractor Certification Number

Environmental Drilling + Probing Services, LLC.
Company Name

2. Well Construction Permit #: _____
List all applicable well construction permits (i.e. UIC, County, State, Variance, etc.)

3. Well Use (check well use):

Water Supply Well:
- ☐ Agricultural
- ☐ Municipal/Public
- ☐ Geothermal (Heating/Cooling Supply)
- ☐ Residential Water Supply (single)
- ☐ Industrial/Commercial
- ☐ Residential Water Supply (shared)
- ☐ Irrigation

Non-Water Supply Well:
- ☑ Monitoring
- ☐ Recovery

Injection Well:
- ☐ Aquifer Recharge
- ☐ Groundwater Remediation
- ☐ Aquifer Storage and Recovery
- ☐ Salinity Barrier
- ☐ Aquifer Test
- ☐ Stormwater Drainage
- ☐ Experimental Technology
- ☐ Subsidence Control
- ☐ Geothermal (Closed Loop)
- ☐ Tracer
- ☐ Geothermal (Heating/Cooling Return)
- ☐ Other (explain under #21 Remarks)

4. Date Well(s) Completed: 5/14-5/16/2025 **Well ID#** MW-1

5a. Well Location:

East End Park
Facility/Owner Name

Facility ID# (if applicable)

1200 N. Alston Dr. Durham, NC
Physical Address, City, and Zip

Durham
County

Parcel Identification No (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

_____ N _____ W

6. Is(are) the well(s): ☑ Permanent or ☐ Temporary

7. Is this a repair to an existing well: ☐ Yes or ☑ No
If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. For Geoprobe/DPT or Closed-Loop Geothermal Wells having the same construction, only 1 GW-1 is needed. Indicate TOTAL NUMBER of wells drilled: ONE

9. Total well depth below land surface: 1@ 57.5 (ft.)
For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: _____ (ft.)
If water level is above casing, use "+"

11. Borehole diameter: 6 (in.)

12. Well construction method: Air Rotary
(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ **Method of test:** _____

13b. Disinfection type: _____ **Amount:** _____

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
37.5 ft.	0 ft.	2 in.	sch.40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
57.5 ft.	37.5 ft.	2 in.	0.01	sch.40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
35.5 ft.	33.5 ft.	Bentonite	pour
33.5 ft.	0 ft.	Grout	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
57.5 ft.	35.5 ft.	#2 med.	pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

_____ 5/19/25
Signature of Certified Well Contractor. Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:
You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

24b. For Injection Wells: In addition to sending the form to the address in 24a above, also submit one copy of this form within 30 days of completion of well construction to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

24c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.

WELL CONSTRUCTION RECORD (GW-1)

For Internal Use Only:

1. Well Contractor Information:

T. Bohaed
Well Contractor Name

3307
NC Well Contractor Certification Number

Environmental Drilling + Probing Services, LLC.
Company Name

2. Well Construction Permit #: _____
List all applicable well construction permits (i.e. UIC, County, State, Variance, etc.)

3. Well Use (check well use):

Water Supply Well:
- ☐ Agricultural
- ☐ Geothermal (Heating/Cooling Supply)
- ☐ Industrial/Commercial
- ☐ Irrigation
- ☐ Municipal/Public
- ☐ Residential Water Supply (single)
- ☐ Residential Water Supply (shared)

Non-Water Supply Well:
- ☑ Monitoring
- ☐ Recovery

Injection Well:
- ☐ Aquifer Recharge
- ☐ Aquifer Storage and Recovery
- ☐ Aquifer Test
- ☐ Experimental Technology
- ☐ Geothermal (Closed Loop)
- ☐ Geothermal (Heating/Cooling Return)
- ☐ Groundwater Remediation
- ☐ Salinity Barrier
- ☐ Stormwater Drainage
- ☐ Subsidence Control
- ☐ Tracer
- ☐ Other (explain under #21 Remarks)

4. Date Well(s) Completed: 5/14 - 5/16/2025 **Well ID#** MW-2

5a. Well Location:

East End Park
Facility/Owner Name

Facility ID# (if applicable)

1200 N. Alston Dr. Durham, NC
Physical Address, City, and Zip

Durham
County

Parcel Identification No (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

_____ N _____ W

6. Is(are) the well(s): ☑ **Permanent** or ☐ **Temporary**

7. Is this a repair to an existing well: ☐ Yes or ☑ No
If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. For Geoprobe/DPT or Closed-Loop Geothermal Wells having the same construction, only 1 GW-1 is needed. Indicate TOTAL NUMBER of wells drilled: ONE

9. Total well depth below land surface: 1@ 27.8 (ft.)
For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: _____ (ft.)
If water level is above casing, use "-"

11. Borehole diameter: 6 (in.)

12. Well construction method: Air Rotary
(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ **Method of test:** _____

13b. Disinfection type: _____ **Amount:** _____

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
7.8 ft.	0 ft.	2 in.	sch.40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
27.8 ft.	7.8 ft.	2 in.	0.01	sch.40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
5.8 ft.	4 ft.	Bentonite	pour
4 ft.	0 ft.	Grout	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
27.8 ft.	5.8 ft.	#2 med.	pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

_____ 5/19/25
Signature of Certified Well Contractor — Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:
You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

24b. For Injection Wells: In addition to sending the form to the address in 24a above, also submit one copy of this form within 30 days of completion of well construction to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

24c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.

WELL CONSTRUCTION RECORD (GW-1)

For Internal Use Only:

1. Well Contractor Information:

T. Bolyard
Well Contractor Name

3307
NC Well Contractor Certification Number

Environmental Drilling + Probing Services, LLC.
Company Name

2. Well Construction Permit #: _____
List all applicable well construction permits (i.e. UIC, County, State, Variance, etc.)

3. Well Use (check well use):

Water Supply Well:
- ☐ Agricultural
- ☐ Geothermal (Heating/Cooling Supply)
- ☐ Industrial/Commercial
- ☐ Irrigation
- ☐ Municipal/Public
- ☐ Residential Water Supply (single)
- ☐ Residential Water Supply (shared)

Non-Water Supply Well:
- ☑ Monitoring
- ☐ Recovery

Injection Well:
- ☐ Aquifer Recharge
- ☐ Aquifer Storage and Recovery
- ☐ Aquifer Test
- ☐ Experimental Technology
- ☐ Geothermal (Closed Loop)
- ☐ Geothermal (Heating/Cooling Return)
- ☐ Groundwater Remediation
- ☐ Salinity Barrier
- ☐ Stormwater Drainage
- ☐ Subsidence Control
- ☐ Tracer
- ☐ Other (explain under #21 Remarks)

4. Date Well(s) Completed: 5/14-5/16/2025 Well ID# MW-3

5a. Well Location:

East End Park
Facility/Owner Name

Facility ID# (if applicable)

1200 N. Alston Dr. Durham, NC
Physical Address, City, and Zip

Durham
County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

_____ N _____ W

6. Is(are) the well(s): ☑ Permanent or ☐ Temporary

7. Is this a repair to an existing well: ☐ Yes or ☑ No
If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. For Geoprobe/DPT or Closed-Loop Geothermal Wells having the same construction, only 1 GW-1 is needed. Indicate TOTAL NUMBER of wells drilled: ONE

9. Total well depth below land surface: 1@56.3 (ft.)
For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: _____ (ft.)
If water level is above casing, use "+"

11. Borehole diameter: 6 (in.)

12. Well construction method: Air Rotary
(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ Method of test: _____

13b. Disinfection type: _____ Amount: _____

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
36.3 ft.	0 ft.	2 in.	Sch. 40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
56.3 ft.	36.3 ft.	2 in.	0.01	Sch. 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
34.3 ft.	32.3 ft.	Bentonite	pour
32.3 ft.	0 ft.	Grout	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
56.3 ft.	34.3 ft.	#2 med.	pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

_____ 5/19/25
Signature of Certified Well Contractor — Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:
You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

**Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617**

24b. For Injection Wells: In addition to sending the form to the address in 24a above, also submit one copy of this form within 30 days of completion of well construction to the following:

**Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636**

24c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.

WELL CONSTRUCTION RECORD (GW-1)

For Internal Use Only:

1. Well Contractor Information:

T. Bohaed
Well Contractor Name

3307
NC Well Contractor Certification Number

Environmental Drilling + Probing Services, LLC.
Company Name

2. Well Construction Permit #: _____
List all applicable well construction permits (i.e. UIC, County, State, Variance, etc.)

3. Well Use (check well use):

Water Supply Well:
- ☐ Agricultural
- ☐ Geothermal (Heating/Cooling Supply)
- ☐ Industrial/Commercial
- ☐ Irrigation
- ☐ Municipal/Public
- ☐ Residential Water Supply (single)
- ☐ Residential Water Supply (shared)

Non-Water Supply Well:
- ☑ Monitoring
- ☐ Recovery

Injection Well:
- ☐ Aquifer Recharge
- ☐ Aquifer Storage and Recovery
- ☐ Aquifer Test
- ☐ Experimental Technology
- ☐ Geothermal (Closed Loop)
- ☐ Geothermal (Heating/Cooling Return)
- ☐ Groundwater Remediation
- ☐ Salinity Barrier
- ☐ Stormwater Drainage
- ☐ Subsidence Control
- ☐ Tracer
- ☐ Other (explain under #21 Remarks)

4. Date Well(s) Completed: 5/14 - 5/16/2025 Well ID# MW-4

5a. Well Location:

East End Park
Facility/Owner Name

Facility ID# (if applicable)

1200 N. Alston Dr. Durham, NC
Physical Address, City, and Zip

Durham
County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

_____ N _____ W

6. Is(are) the well(s): ☑ Permanent or ☐ Temporary

7. Is this a repair to an existing well: ☐ Yes or ☑ No
If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. For Geoprobe/DPT or Closed-Loop Geothermal Wells having the same construction, only 1 GW-1 is needed. Indicate TOTAL NUMBER of wells drilled: ONE

9. Total well depth below land surface: 1@ 53.8 (ft.)
For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: _____ (ft.)
If water level is above casing, use "-"

11. Borehole diameter: 6 (in.)

12. Well construction method: Air Rotary
(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ Method of test: _____

13b. Disinfection type: _____ Amount: _____

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
33.8 ft.	0 ft.	2 in.	sch.40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
53.8 ft.	33.8 ft.	2 in.	0.01	sch.40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
31.8 ft.	29.8 ft.	Bentonite	pour
29.8 ft.	0 ft.	Grout	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
53.8 ft.	31.8 ft.	#2 med.	pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

_____ 5/19/25
Signature of Certified Well Contractor — Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:
You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

24b. For Injection Wells: In addition to sending the form to the address in 24a above, also submit one copy of this form within 30 days of completion of well construction to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

24c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.

WELL CONSTRUCTION RECORD (GW-1)

For Internal Use Only:

1. Well Contractor Information:

T. Bohaed
Well Contractor Name

3307
NC Well Contractor Certification Number

Environmental Drilling + Probing Services, LLC.
Company Name

2. Well Construction Permit #: _____
List all applicable well construction permits (i.e. UIC, County, State, Variance, etc.)

3. Well Use (check well use):

Water Supply Well:
- ☐ Agricultural
- ☐ Geothermal (Heating/Cooling Supply)
- ☐ Industrial/Commercial
- ☐ Irrigation
- ☐ Municipal/Public
- ☐ Residential Water Supply (single)
- ☐ Residential Water Supply (shared)

Non-Water Supply Well:
- ☑ Monitoring
- ☐ Recovery

Injection Well:
- ☐ Aquifer Recharge
- ☐ Aquifer Storage and Recovery
- ☐ Aquifer Test
- ☐ Experimental Technology
- ☐ Geothermal (Closed Loop)
- ☐ Geothermal (Heating/Cooling Return)
- ☐ Groundwater Remediation
- ☐ Salinity Barrier
- ☐ Stormwater Drainage
- ☐ Subsidence Control
- ☐ Tracer
- ☐ Other (explain under #21 Remarks)

4. Date Well(s) Completed: 5/14 - 5/16/2025 Well ID# MW-5

5a. Well Location:

East End Park
Facility/Owner Name

Facility ID# (if applicable)

1200 N. Alston Dr. Durham, NC
Physical Address, City, and Zip

Durham
County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

_____ N _____ W

6. Is(are) the well(s): ☑ Permanent or ☐ Temporary

7. Is this a repair to an existing well: ☐ Yes or ☑ No
If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. For Geoprobe/DPT or Closed-Loop Geothermal Wells having the same construction, only 1 GW-1 is needed. Indicate TOTAL NUMBER of wells drilled: ONE

9. Total well depth below land surface: 1@17.7 (ft.)
For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: _____ (ft.)
If water level is above casing, use "-"

11. Borehole diameter: 6 (in.)

12. Well construction method: Air Rotary
(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ Method of test: _____

13b. Disinfection type: _____ Amount: _____

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
7.7 ft.	0 ft.	2 in.	sch.40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
17.7 ft.	7.7 ft.	2 in.	0.01	sch.40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
5.7 ft.	4 ft.	Bentonite	pour
4 ft.	0 ft.	Grout	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
17.7 ft.	5.7 ft.	#2 med.	pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

_____ 5/19/25
Signature of Certified Well Contractor — Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:
You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

24b. For Injection Wells: In addition to sending the form to the address in 24a above, also submit one copy of this form within 30 days of completion of well construction to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

24c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.

WELL CONSTRUCTION RECORD (GW-1)

For Internal Use Only:

1. Well Contractor Information:

T. Bohaed
Well Contractor Name

3307
NC Well Contractor Certification Number

Environmental Drilling + Probing Services, LLC.
Company Name

2. Well Construction Permit #: _____
List all applicable well construction permits (i.e. UIC, County, State, Variance, etc.)

3. Well Use (check well use):

Water Supply Well:
- ☐ Agricultural
- ☐ Geothermal (Heating/Cooling Supply)
- ☐ Industrial/Commercial
- ☐ Irrigation
- ☐ Municipal/Public
- ☐ Residential Water Supply (single)
- ☐ Residential Water Supply (shared)

Non-Water Supply Well:
- ☑ Monitoring
- ☐ Recovery

Injection Well:
- ☐ Aquifer Recharge
- ☐ Aquifer Storage and Recovery
- ☐ Aquifer Test
- ☐ Experimental Technology
- ☐ Geothermal (Closed Loop)
- ☐ Geothermal (Heating/Cooling Return)
- ☐ Groundwater Remediation
- ☐ Salinity Barrier
- ☐ Stormwater Drainage
- ☐ Subsidence Control
- ☐ Tracer
- ☐ Other (explain under #21 Remarks)

4. Date Well(s) Completed: 5/14 - 5/16/2025 Well ID# MW-6

5a. Well Location:

East End Park
Facility/Owner Name

Facility ID# (if applicable)

1200 N. Alston Dr. Durham, NC
Physical Address, City, and Zip

Durham
County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

_____ N _____ W

6. Is(are) the well(s): ☑ Permanent or ☐ Temporary

7. Is this a repair to an existing well: ☐ Yes or ☑ No
If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. For Geoprobe/DPT or Closed-Loop Geothermal Wells having the same construction, only 1 GW-1 is needed. Indicate TOTAL NUMBER of wells drilled: ONE

9. Total well depth below land surface: 1@20 (ft.)
For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: _____ (ft.)
If water level is above casing, use "-"

11. Borehole diameter: 6 (in.)

12. Well construction method: Air Rotary
(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ Method of test: _____

13b. Disinfection type: _____ Amount: _____

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
10 ft.	0 ft.	2 in.	sch.40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
20 ft.	10 ft.	2 in.	0.01	sch.40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
8 ft.	6 ft.	Bentonite	pour
6 ft.	0 ft.	Grout	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
20 ft.	8 ft.	#2 med.	pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

_____ 5/19/25
Signature of Certified Well Contractor — Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:
You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

**Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617**

24b. For Injection Wells: In addition to sending the form to the address in 24a above, also submit one copy of this form within 30 days of completion of well construction to the following:

**Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636**

24c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.

WELL CONSTRUCTION RECORD (GW-1)

For Internal Use Only:

1. Well Contractor Information:

T. Bohaed
Well Contractor Name

3307
NC Well Contractor Certification Number

Environmental Drilling + Probing Services, LLC.
Company Name

2. Well Construction Permit #: _____
List all applicable well construction permits (i.e. UIC, County, State, Variance, etc.)

3. Well Use (check well use):

Water Supply Well:
- ☐ Agricultural
- ☐ Geothermal (Heating/Cooling Supply)
- ☐ Industrial/Commercial
- ☐ Irrigation
- ☐ Municipal/Public
- ☐ Residential Water Supply (single)
- ☐ Residential Water Supply (shared)

Non-Water Supply Well:
- ☑ Monitoring
- ☐ Recovery

Injection Well:
- ☐ Aquifer Recharge
- ☐ Aquifer Storage and Recovery
- ☐ Aquifer Test
- ☐ Experimental Technology
- ☐ Geothermal (Closed Loop)
- ☐ Geothermal (Heating/Cooling Return)
- ☐ Groundwater Remediation
- ☐ Salinity Barrier
- ☐ Stormwater Drainage
- ☐ Subsidence Control
- ☐ Tracer
- ☐ Other (explain under #21 Remarks)

4. Date Well(s) Completed: 5/14 - 5/16/2025 Well ID# MW-7

5a. Well Location:

East End Park
Facility/Owner Name

Facility ID# (if applicable)

1200 N. Alston Dr. Durham, NC
Physical Address, City, and Zip

Durham
County

Parcel Identification No (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

_____ N _____ W

6. Is(are) the well(s): ☑ Permanent or ☐ Temporary

7. Is this a repair to an existing well: ☐ Yes or ☑ No
If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. For Geoprobe/DPT or Closed-Loop Geothermal Wells having the same construction, only 1 GW-1 is needed. Indicate TOTAL NUMBER of wells drilled: ONE

9. Total well depth below land surface: 1@ 32.10 (ft.)
For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: _____ (ft.)
If water level is above casing, use "-"

11. Borehole diameter: 6 (in.)

12. Well construction method: Air Rotary
(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ Method of test: _____

13b. Disinfection type: _____ Amount: _____

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
12.1 ft.	0 ft.	2 in.	sch.40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
32.1 ft.	17.1 ft.	2 in.	0.01	sch.40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
10.1 ft.	8.1 ft.	Bentonite	pour
8.1 ft.	0 ft.	Grout	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
32.1 ft.	10.1 ft.	#2 med.	pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

_____ 5/19/25
Signature of Certified Well Contractor — Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:
You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

24b. For Injection Wells: In addition to sending the form to the address in 24a above, also submit one copy of this form within 30 days of completion of well construction to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

24c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.

WELL CONSTRUCTION RECORD (GW-1)

For Internal Use Only:

1. Well Contractor Information:

T. Bohaed
Well Contractor Name

3307
NC Well Contractor Certification Number

Environmental Drilling + Probing Services, LLC.
Company Name

2. Well Construction Permit #: _____
List all applicable well construction permits (i.e. UIC, County, State, Variance, etc.)

3. Well Use (check well use):

Water Supply Well:
- ☐ Agricultural
- ☐ Geothermal (Heating/Cooling Supply)
- ☐ Industrial/Commercial
- ☐ Irrigation
- ☐ Municipal/Public
- ☐ Residential Water Supply (single)
- ☐ Residential Water Supply (shared)

Non-Water Supply Well:
- ☑ Monitoring
- ☐ Recovery

Injection Well:
- ☐ Aquifer Recharge
- ☐ Aquifer Storage and Recovery
- ☐ Aquifer Test
- ☐ Experimental Technology
- ☐ Geothermal (Closed Loop)
- ☐ Geothermal (Heating/Cooling Return)
- ☐ Groundwater Remediation
- ☐ Salinity Barrier
- ☐ Stormwater Drainage
- ☐ Subsidence Control
- ☐ Tracer
- ☐ Other (explain under #21 Remarks)

4. Date Well(s) Completed: 5/14 - 5/16/2025 **Well ID#** MW-8

5a. Well Location:

East End Park
Facility/Owner Name

Facility ID# (if applicable)

1200 N. Alston Dr. Durham, NC
Physical Address, City, and Zip

Durham
County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

_____ N _____ W

6. Is(are) the well(s): ☑ **Permanent** or ☐ **Temporary**

7. Is this a repair to an existing well: ☐ Yes or ☑ No
If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. For Geoprobe/DPT or Closed-Loop Geothermal Wells having the same construction, only 1 GW-1 is needed. Indicate TOTAL NUMBER of wells drilled: ONE

9. Total well depth below land surface: 1@ 57.8 (ft.)
For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: _____ (ft.)
If water level is above casing, use "-"

11. Borehole diameter: 6 (in.)

12. Well construction method: Air Rotary
(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ **Method of test:** _____

13b. Disinfection type: _____ **Amount:** _____

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
37.8 ft.	0 ft.	2 in.	sch.40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
57.8 ft.	37.8 ft.	2 in.	0.01	sch.40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
35.8 ft.	33.8 ft.	Bentonite	pour
33.8 ft.	0 ft.	Grout	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
57.8 ft.	35.8 ft.	#2 med.	pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

_____ 5/19/25
Signature of Certified Well Contractor — Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:
You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

24b. For Injection Wells: In addition to sending the form to the address in 24a above, also submit one copy of this form within 30 days of completion of well construction to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

24c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed

Appendix III – S&ME Field Notes

LANDFILL GAS SCREENING FORM

Project Name:	**Eas End Park**	Location:	Durham, NC	**Meter Type/ Meter Name/ Serial No.:**				
NCDEQ ID No.:	**NONCD0000823**	Date:	4/30/2025	Gas Analyzer	GEM 5000			
S&ME Project No.:	**23050630**	Weather:	Sunny	PID	Mini Rae 3000		Pre Calibration Time:	925
Task Order:	**823RI-7**	S&ME Personnel:	Logan Hester	Thermo Hygrometer	UEI OTH 10		Post Calibration Time:	1430

PRE Equipment Calibration					**Calibration Notes**	**POST Equipment Calibration**				
PID (Isobutylene)	0 ppm =	0	100 ppm =	101		PID (Isobutylene)	0 ppm =	0	100 ppm =	100
Fresh Air	CH_4 (0%) =	0	O_2 (20.9%) =	21.1		Fresh Air	CH_4 (0%) =	0	O_2 (20.9%) =	20.9
Methane High	CH_4 (50%) =	49.8	CO_2 (35%) =	35.6		Methane High	CH_4 (50%) =	49.9	CO_2 (35%) =	35.5
	O_2 (0%) =	0					O_2 (0%)=	0		
H2S Mix	CH_4 (2.5%) =	2.48	O_2 (18%) =	17.8		H2S Mix	CH_4 (2.5%) =	2.51	O_2 (18%) =	17.9
	H_2S (10 ppm) =	10	CO (50 ppm) =	49			H_2S (10 ppm) =	10	CO (50 ppm) =	50

Screening Data

Sample Location	Time	VOCs		Methane		Carbon Dioxide	Oxygen	Hydrogen Sulfide	Barometric Pressure	Temperature	Humidity
ID	hr:min	ppm-v	%	volume in air (%)	% LEL (100% LEL = 5% CH4)	%	%	ppm-v	in-Hg	°F	%
BG-1	09:15	0.0	0	0.0	0	0.0	20.1	0	29.77	72.0	59
BG-2	09:20	0.0	0	0.0	0	0.0	20.1	0	29.77	72.0	59
BG-3	09:25	0.0	0	0.0	0	0.0	20.1	0	29.77	72.0	59
BG-4	09:30	0.0	0	0.0	0	0.0	20.1	0	29.77	72.0	59
LFGP-1	09:45	2.1	0	0.0	0	3.8	17.2	0	29.77	72.0	59
LFGP-2	09:52	3.9	0	0.0	0	4.3	16.9	0	29.77	74.0	59
LFGP-3	10:00	3.6	0	0.0	0	6.8	11.3	0	29.78	75.0	60
LFGP-4	10:17	2.2	0	0.0	0	7.6	10.5	0	29.78	77.0	62
LFGP-5	10:55	4.5	0	7.8	100	6.3	0.1	1	29.80	81.0	62
LFGP-6	10:49	1.1	0	0.0	0	5.4	10.2	0	29.80	80.0	62
LFGP-7	10:08	8.4	0	0.0	0	5.4	16.6	0	29.78	77.0	62
LFGP-8	10:30	1.0	0	2.6	52	3.1	0.1	1	29.79	78.0	61
LFGP-9 (Implant)	10:35	1.2	0	0.0	0	7.1	6.8	0	29.79	79.0	61
LFGP-10 (Implant)	10:40	2.6	0	2.1	42	7.2	0.1	0	29.80	80.0	61

Name	**Signature**	**Date**	**Notes:**
(1) Logan Hester	Logan Hester	4/30/2025	

Environmental Field Report	
Date: 2025-05-07	**Job Number:** 23050630
Project Name: City of Durham East End Park	**Weather/Temperature:** Sunny, 80°F
Project Location: 1200 N Alston Ave. Durham, NC	
Notes By: ☒ ☐	**Present at the Site:** James Waters Connor Hicks

Equipment Used
iPad Pumps/Sorbent Tubes

Purpose: Soil gas sampling with Sorbent Tubes.

0900- Arrive at site with Connor Hicks.

0915- Calibration of sampling equipment. Only able to run one pump less than 0.50 LPM.

0940- Set out to sample at soil gas locations. See the table below for Sorbent Tube sampling information and sampling times. LFGP-8, LFGP-9, and LFGP-10 are labeled wrong onsite. Connor Hicks writes the correct ID on the tags with a marker.

ID	Pump Number (EMSL Number)	Pump Rate (LPM)	Time Start	Time End
LFGP-2	NJ0662	0.50	0944	1046
LFGP-3	NC0031	0.25	0950	1050
LFGP-1	NJ0659	0.50	0952	1052
LFGP-4	NJ1120	0.50	0956	1056
LFGP-5	NJ0828	0.50	0958	1059
LFGP-6	NJ0662	0.50	1110	1210
LFGP-8	NJ0828	0.50	1116	1216
LFGP-10 (Implant)	NJ1120	0.50	1123	1223
LFGP-9 (Implant)	NC0031	0.25	1124	1224
LFGP-7	NJ0659	0.50	1128	1228

*Dup-1 is taken at LFGP-2.

1240- Finish sampling for the day. Load the work trucks with equipment.

1300- Leave site for the day.

Hours	Mileage	Signature of S&ME Personnel
4.0 onsite	60	James A. Waters

Environmental Field Report	
Date: 2025-05-08	**Job Number:** 23050630
Project Name: City of Durham East End Park	**Weather/Temperature:** Sunny, 70°F
Project Location: 1200 N Alston Ave. Durham, NC	

Notes By:	Present at the Site:
☒	James Waters
☐	Connor Hicks

Equipment Used
iPad
Peristaltic Pump
Summa Canisters
Helium Detector
Soil Gas Tools

Purpose: Soil gas sampling with summa canisters.

0900- Arrive at site with Connor Hicks. Construct the canisters.

0930- Set out to sample at soil gas locations. See the attached electronic field form for sampling data, sampling information, and sampling times. Dup-1 is taken at LFGP-4.

1430- I, James Waters, leave the site for the day to order and pick up soil gas sampling equipment. Connor Hicks stays onsite to collect the final summa canister for the day (LFGP-7). He texts me the final time, the final vacuum, and calls to let me know when he leaves the site. I report the final information in my notes.

1545- Finish sampling for the day. Connor Hicks loads up his work truck with equipment.

1600- Leave site for the day.

Hours	Mileage	Signature of S&ME Personnel
7.0 onsite	60	James A. Waters

Environmental Field Report	
Date: 2025-05-09	**Job Number:** 23050630
Project Name: City of Durham East End Park	**Weather/Temperature:** Sunny, 70°F
Project Location: 1200 N Alston Ave. Durham, NC	

Notes By:	Present at the Site:
☒	James Waters
☐	Connor Hicks

Equipment Used
iPad
Peristaltic Pump
Summa Canisters
Helium Detector
Soil Gas Tools

Purpose: Soil gas sampling with summa canisters.

0900- Arrive at site with Connor Hicks. Construct the canisters.

0915- Set out to sample at soil gas locations. See the attached electronic field form for sampling data, sampling information, and sampling times. Dup-2 is taken at LFGP-2.

1320- Finish sampling for the day. Load up the work trucks with equipment.

1330- Leave site for the day.

Hours	Mileage	Signature of S&ME Personnel
4.5 onsite	60	James A. Waters

SOIL VAPOR FIELD SAMPLING FORM

Project Name:	East End Park		
Project Number:	23050630 - 823RI-7		
Location:	Durham, NC	**Date:**	5/8/25 and 5/9/25
Weather:	Sunny	**Air Temp (°F):**	70
Helium Detector Serial No.:	Dielectric Helium Detector 42585 (Field Environmental Instruments)	**Calibration Date:**	5/8/2025

Sample Information					
Sample Type					
Sample ID	LFGP-1	LFGP-2	LFGP-3	LFGP-4	LFGP-5
Canister ID	49330	49287	48102	48095	44231
Regulator ID	16688	14198	14197	10534	10523
Canister Volume (L)	6	6	6	6	6
Ambient Temp (°F)	70	70	71	67	70
Barometric Pressure (inHg)	29.9	29.9	29.9	30.0	30.0
Leak Test Information					
Purge Method	Personal Pump	Personal Pump	Personal Pump	Personal Pump	Personal Pump
He Concentration in Shroud (%)	15.2	15.1	15.3	18.2	15.1
He Detected in Leak Test (Y or N)	No	No	No	No	No
He Conc. Detected in Leak Test (ppm)	0	0	0	0	0
Percent of He in the Leak Test versus the Shroud	0.000%	0.000%	0.000%	0.000%	0.000%
Leak Test Passed (Yes/No)[1]	Yes	Yes	Yes	Yes	Yes

Purge Information

Enter Construction Details →	0.17" ID Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)	0.17" ID Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)	0.17" ID Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)	0.17" ID Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)	0.17" ID Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)
	9	0	48	9	0	48	9	0	48	9	0	48	7	0	24
Sand Pack Interval Depth (in-bgs)	72	to	120	72	to	120	72	to	120	72	to	120	60	to	84
Volume (mL)	1039			1039			1039			1039			531		
Purge Flow Rate (mL/min)	200			200			200			200			200		
Purge Interval (3x Vol.) (min)	15.6			15.6			15.6			15.6			8.0		
Actual Purge Time (min)	20.0			20.0			20.0			20.0			20.0		
Sample Collection															
Start Time	09:50			10:15			10:40			10:00			10:30		
Initial Vacuum (inHg)	29			29			30			28			29		
End Time	12:50			12:00			13:15			12:05			13:00		
Final Vacuum (inHg)	26			5			5			5			5		
Approximate Total Time (min)	180			105			155			125			150		
Sample Analysis	VOCs by TO-15			VOCs by TO-15			VOCs by TO-15			VOCs by TO-15			VOCs by TO-15		

Sampler Information

Sampled by: James Waters Sampler Signature: James A. Waters Date: 5/9/2025

Notes: 1. Per the NCDEQ DWM VI Guidance dated March 2018, the helium concentration detected during the leak test shall not exceed 10% of the helium concentration in the shroud.
2. Dup-1 is taken at LFGP-4 and Dup-2 is taken at LFGP-2. 3. 5/8 samples are LFGP-4, LFGP-5, LFGP-6, LFGP-7, LFGP-8, LFPG-9, LFGP-10, and Dup-1. 4. 5/9 samples are LFGP-1, LFGP-2, LFGP-3, and Dup-2.
5. LFGP-1 had water present in the tubing. Shortened the tubing to sample. LFGP-1 regulator needle did not move during sampling. It is assumed that LFGP-1 has a water level above the screen and is unable to pull any gas into the canister.

SOIL VAPOR FIELD SAMPLING FORM

Project Name:	East End Park		
Project Number:	23050630 - 823RI-7		
Location:	Durham, NC	**Date:**	5/8/25 and 5/9/25
Weather:	Sunny	**Air Temp (°F):**	70
Helium Detector Serial No.:	Dielectric Helium Detector 42585 (Field Environmental Instruments)	**Calibration Date:**	5/8/2025

Sample Information					
Sample Type				Soil Gas Implant	Soil Gas Implant
Sample ID	LFGP-6	LFGP-7	LFGP-8	LFGP-9	LFGP-10
Canister ID	44636	50952	50955	50953	50956
Regulator ID	10525	20114	20123	20115	20228
Canister Volume (L)	6	6	6	6	6
Ambient Temp (°F)	72	73	73	73	73
Barometric Pressure (inHg)	30.0	30.0	30.0	30.0	30.0
Leak Test Information					
Purge Method	Personal Pump	Personal Pump	Personal Pump	Personal Pump	Personal Pump
He Concentration in Shroud (%)	15.9	15.5	15.6	15.3	15.1
He Detected in Leak Test (Y or N)	No	No	No	No	No
He Conc. Detected in Leak Test (ppm)	0	0	0	0	0
Percent of He in the Leak Test versus the Shroud	0.000%	0.000%	0.000%	0.000%	0.000%
Leak Test Passed (Yes/No)[1]	Yes	Yes	Yes	Yes	Yes

Purge Information

Enter Construction Details →	0.17" ID Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)	0.17" ID Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)	0.17" ID Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)	0.17" ID Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)	0.17" ID Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)
	9	0	48	9	0	48	9	0	48	5	0	12	4	0	12
Sand Pack Interval Depth (in-bgs)	72	to	120	72	to	120	72	to	120	36	to	48	24	to	36
Volume (mL)	1039			1039			1039			272			268		
Purge Flow Rate (mL/min)	200			200			200			200			200		
Purge Interval (3x Vol.) (min)	15.6			15.6			15.6			4.1			4.0		
Actual Purge Time (min)	20.0			20.0			20.0			5.0			5.0		
Sample Collection															
Start Time	11:00			12:15			11:30			11:50			11:40		
Initial Vacuum (inHg)	30			29			29			30			28		
End Time	13:25			15:45			12:55			12:25			12:50		
Final Vacuum (inHg)	5			15			7			0			7		
Approximate Total Time (min)	145			210			85			35			70		
Sample Analysis	VOCs by TO-15			VOCs by TO-15			VOCs by TO-15			VOCs by TO-15			VOCs by TO-15		

Sampler Information

Sampled by: James Waters Sampler Signature: James A Waters Date: 5/9/2025

Notes: 1. Per the NCDEQ DWM VI Guidance dated March 2018, the helium concentration detected during the leak test shall not exceed 10% of the helium concentration in the shroud.
2. Dup-1 is taken at LFGP-4 and Dup-2 is taken at LFGP-2. 3. 5/8 samples are LFGP-4, LFGP-5, LFGP-6, LFGP-7, LFGP-8, LFPG-9, LFGP-10, and Dup-1. 4. 5/9 samples are LFGP-1, LFGP-2, LFGP-3, and Dup-2.
5. LFGP-1 had water present in the tubing. Shortened the tubing to sample. LFGP-1 regulator needle did not move during sampling. It is assumed that LFGP-1 has a water level above the screen and is unable to pull any gas into the canister.

Revision Date: 5/3/18 11:30

SOIL VAPOR FIELD SAMPLING FORM

Project Name:	East End Park		
Project Number:	23050630 - 823RI-7		
Location:	Durham, NC	**Date:**	5/8/25 and 5/9/25
Weather:	Sunny	**Air Temp (°F):**	70
Helium Detector Serial No.:	Dielectric Helium Detector 42585 (Field Environmental Instruments)	**Calibration Date:**	5/8/2025

Sample Information															
Sample Type															
Sample ID	Dup-1			Dup-2											
Canister ID	48101			49522											
Regulator ID	14091			20089											
Canister Volume (L)	6			6											
Ambient Temp (°F)	67			70											
Barometric Pressure (inHg)	30.0			29.9											
3															
Purge Method	Personal Pump			Personal Pump											
He Concentration in Shroud (%)	18.2			15.1											
He Detected in Leak Test (Y or N)	No			No											
He Conc. Detected in Leak Test (ppm)	0			0											
Percent of He in the Leak Test versus the Shroud	0.000%			0.000%											
Leak Test Passed (Yes/No)[1]	Yes			Yes											

Purge Information															
Enter Construction Details →	0.17" ID Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)	0.17" ID Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)	0.17" ID Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)	0.17" ID Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)	0.17" ID Total Tubing (ft)	0.25" ID Total Tubing (in)	Sand Pack Interval (in)
	9	0	28	9	0	48		0			0			0	
Sand Pack Interval Depth (in-bgs)	72	to	100	72	to	120		to			to			to	
Volume (mL)	623			1039											
Purge Flow Rate (mL/min)	200			200											
Purge Interval (3x Vol.) (min)	9.3			15.6											
Actual Purge Time (min)	20.0			20.0											

Sample Collection															
Start Time	10:00			10:15											
Initial Vacuum (inHg)	29			30											
End Time	12:30			12:45											
Final Vacuum (inHg)	5			6											
Approximate Total Time (min)	150			150											
Sample Analysis	VOCs by TO-15			VOCs by TO-15											

Sampler Information

Sampled by: James Waters Sampler Signature: James A. Waters Date: 5/9/2025

Notes: 1. Per the NCDEQ DWM VI Guidance dated March 2018, the helium concentration detected during the leak test shall not exceed 10% of the helium concentration in the shroud.
2. Dup-1 is taken at LFGP-4 and Dup-2 is taken at LFGP-2. 3. 5/8 samples are LFGP-4, LFGP-5, LFGP-6, LFGP-7, LFGP-8, LFPG-9, LFGP-10, and Dup-1. 4. 5/9 samples are LFGP-1, LFGP-2, LFGP-3, and Dup-2.
5. LFGP-1 had water present in the tubing. Shortened the tubing to sample. LFGP-1 regulator needle did not move during sampling. It is assumed that LFGP-1 has a water level above the screen and is unable to pull any gas into the canister.

GROUNDWATER SAMPLING FORM

Project Name:	Durham Parks - East End		
Project Location:	Durham, Durham County, North Carolina		
Project Number:		Purge Date:	June 2, 2025
Source Well:	**MW-1**	Purge Time (Min.):	30
Locked?:	No	Sample Date:	June 2, 2025
Sampled By:	C. Faircloth, H. Maness	Sample Time:	11:25
Weather:	Overcast	Air Temp:	70 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check		
pH	5/30/25	09:30	4.00, 7.00, 10.00	4.8	7.6	10.4
Conductivity	5/30/25	09:45	1,413 µS/cm	1,405 µS/cm		

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	3.95	ft-TOC
Total Well Depth:	57.50	ft-TOC
Height of Water Column:	53.55	feet
Screen Length:	10	ft-GRD
Stickup Height:	0	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	8.7	gal
3 * Well Volume	26.2	gal
5 * Well Volume	43.7	gal

Well Purging Information

Purge Method: Peristaltic Pump **Purge Start Time:** 10:50 **End Time:** 11:20

Total Volume Purged: 1.0 gal **Well Purged Dry?:** No

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity (NTU)	Comments
0.2	10:55	8.4	17.9	446	75	
0.4	11:00	8.6	18	438	77	
0.6	11:05	8.6	18.1	382	66	
0.8	11:10	8.5	17.7	435	83	
1.0	11:15	8.6	17.6	436	82	

Sample Method: Peristaltic Pump **Sample Time:** 11:25

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.
VOCs 8260	3	40mL VOAs	HCl	Ammonia-Nitrogen 350.1	1	250mL P	H2SO4
SVOCs 8270	2	250mL A	None	Metals 6020 (Total)	1	250mL P	HNO3
SVOCs 8270	4	40mL VOAs	None				
Sulfate 300.0	1	Other	None				

Name	Signature	Date
(1) Clay Faircloth		6/2/2025

Notes:

Form Revision Date: 9/13/17 8:00 AM

GROUNDWATER SAMPLING FORM

Project Name:	Durham Parks - East End		
Project Location:	Durham, Durham County, North Carolina		
Project Number:		Purge Date:	May 30, 2025
Source Well:	**MW-2**	Purge Time (Min.):	20
Locked?:	No	Sample Date:	May 30, 2025
Sampled By:	C. Faircloth, H. Maness	Sample Time:	15:30
Weather:	Overcast	Air Temp:	70 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check		
pH	5/30/25	09:30	4.00, 7.00, 10.00	4.8	7.6	10.4
Conductivity	5/30/25	09:45	1,413 µS/cm	1,405 µS/cm		

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	10.43	ft-TOC
Total Well Depth:	27.80	ft-TOC
Height of Water Column:	17.37	feet
Screen Length:	5	ft-GRD
Stickup Height:	0	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	2.8	gal
3 * Well Volume	8.5	gal
5 * Well Volume	14.2	gal

Well Purging Information

Purge Method: Peristaltic Pump **Purge Start Time:** 14:35 **End Time:** 14:55

Total Volume Purged: 1.0 gal **Well Purged Dry?:** No

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity (NTU)	Comments
0.2	14:40	7.7	24	559	25	
0.4	14:45	7.6	21.8	558	15	
0.6	14:50	7.5	21.7	559	15	
0.8	14:55	7.6	21	560	14	
1.0	15:25	7.6	20.9	571	15	

Sample Method: Peristaltic Pump **Sample Time:** 15:30

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.
VOCs 8260	3	40mL VOAs	HCl	Ammonia-Nitrogen 350.1	1	250mL P	H2SO4
SVOCs 8270	2	250mL A	None	Metals 6020 (Total)	1	250mL P	HNO3
SVOCs 8270	4	40mL VOAs	None				
Sulfate 300.0	1	Other	None				

Name	Signature	Date
(1) Clay Faircloth		5/30/2025

Notes: Paused for rain between 0.8 gal and 1.0.

Form Revision Date: 9/13/17 8:00 AM

GROUNDWATER SAMPLING FORM

Project Name:	Durham Parks - East End		
Project Location:	Durham, Durham County, North Carolina		
Project Number:		Purge Date:	May 30, 2025
Source Well:	**MW-3**	Purge Time (Min.):	50
Locked?:	No	Sample Date:	May 30, 2025
Sampled By:	C. Faircloth, H. Maness	Sample Time:	16:55
Weather:	Overcast	Air Temp:	70 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check		
pH	5/30/25	09:30	4.00, 7.00, 10.00	4.8	7.6	10.4
Conductivity	5/30/25	09:45	1,413 µS/cm	1,405 µS/cm		

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	9.06	ft-TOC
Total Well Depth:	56.30	ft-TOC
Height of Water Column:	47.24	feet
Screen Length:	5	ft-GRD
Stickup Height:	0	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	7.7	gal
3 * Well Volume	23.1	gal
5 * Well Volume	38.5	gal

Well Purging Information

Purge Method: Peristaltic Pump **Purge Start Time:** 16:00 **End Time:** 16:50

Total Volume Purged: 1.3 gal **Well Purged Dry?:** No

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity (NTU)	Comments
0.2	16:10	8.4	19.8	535	235	
0.4	16:15	8.5	20.6	533	226	
0.6	16:20	8.6	21.1	536	193	
0.8	16:25	8.7	21.3	533	179	
1.1	16:45				233	Bailer
1.3	16:50	8.7	20.5	529	641	Pump

Sample Method: Peristaltic Pump **Sample Time:** 16:55

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.
VOCs 8260	3	40mL VOAs	HCl	Ammonia-Nitrogen 350.1	1	250mL P	H2SO4
SVOCs 8270	2	250mL A	None	Metals 6020 (Total)	1	250mL P	HNO3
SVOCs 8270	4	40mL VOAs	None				
Sulfate 300.0	1	Other	None				

Name	Signature	Date
(1) Clay Faircloth		5/30/2025

Notes: Sampled with bailer

Form Revision Date: 9/13/17 8:00 AM

GROUNDWATER SAMPLING FORM

Project Name:	Durham Parks - East End		
Project Location:	Durham, Durham County, North Carolina		
Project Number:		Purge Date:	June 2, 2025
Source Well:	**MW-4**	Purge Time (Min.):	45
Locked?:	No	Sample Date:	June 2, 2025
Sampled By:	C. Faircloth, H. Maness	Sample Time:	13:00
Weather:	Overcast	Air Temp:	70 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check		
pH	5/30/25	09:30	4.00, 7.00, 10.00	4.8	7.6	10.4
Conductivity	5/30/25	09:45	1,413 µS/cm	1,405 µS/cm		

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	12.25	ft-TOC
Total Well Depth:	53.80	ft-TOC
Height of Water Column:	41.55	feet
Screen Length:	5	ft-GRD
Stickup Height:	0	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	6.8	gal
3 * Well Volume	20.3	gal
5 * Well Volume	33.9	gal

Well Purging Information

Purge Method: Peristaltic Pump **Purge Start Time:** 12:10 **End Time:** 12:55

Total Volume Purged: 2.0 gal **Well Purged Dry?:** No

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity (NTU)	Comments
0.2	12:15	7.7	22.7	469	13	
0.4	12:24	7.8	23.2	459	14	Pump stopped working
0.6	12:40	9.6	21.3	313	73	
0.8	12:46	9.7	20.1	304	130	
1.0	12:49	8.1	19.8	410	123	
1.2	12:51	8.0	19.7	428	121	
1.4	12:54	7.7	19.6	442	121	
1.6	12:56	7.8	19.6	444	121	
1.8	12:58	7.7	19.7	440	44	
2.0	13:00	7.8	20.0	451	40	

Sample Method: Peristaltic Pump **Sample Time:** 13:00

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.
VOCs 8260	3	40mL VOAs	HCl	Ammonia-Nitrogen 350.1	1	250mL P	H2SO4
SVOCs 8270	2	250mL A	None	Metals 6020 (Total)	1	250mL P	HNO3
SVOCs 8270	4	40mL VOAs	None				
Sulfate 300.0	1	Other	None				

Name	Signature	Date
(1) Clay Faircloth		6/2/2025

Notes: DUP-2 collected here @ 1310. Pump stopped working and samples collected with bailer.

Form Revision Date: 9/13/17 8:00 AM

GROUNDWATER SAMPLING FORM

Project Name:	Durham Parks - East End		
Project Location:	Durham, Durham County, North Carolina		
Project Number:		Purge Date:	May 30, 2025
Source Well:	**MW-5**	Purge Time (Min.):	25
Locked?:	No	Sample Date:	May 30, 2025
Sampled By:	C. Faircloth, H. Maness	Sample Time:	11:00
Weather:	Overcast	Air Temp:	70 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check		
pH	5/30/25	09:30	4.00, 7.00, 10.00	4.8	7.6	10.4
Conductivity	5/30/25	09:45	1,413 µS/cm	1,405 µS/cm		

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	0.91	ft-TOC
Total Well Depth:	17.70	ft-TOC
Height of Water Column:	16.79	feet
Screen Length:	5	ft-GRD
Stickup Height:	0	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	2.7	gal
3 * Well Volume	8.2	gal
5 * Well Volume	13.7	gal

Well Purging Information

Purge Method: Peristaltic Pump **Purge Start Time:** 10:30 **End Time:** 10:55

Total Volume Purged: 1.0 gal **Well Purged Dry?:** No

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity (NTU)	Comments
0.2	10:35	7.2	23.1	542	50	
0.4	10:40	7.1	22.3	541	29	
0.6	10:45	7.2	22.6	539	19	
0.8	10:50	7.2	22.8	540	19	
1.0	10:55	7.2	22.8	540	19	

Sample Method: Peristaltic Pump **Sample Time:** 11:00

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.
VOCs 8260	3	40mL VOAs	HCl	Ammonia-Nitrogen 350.1	1	250mL P	H2SO4
SVOCs 8270	2	250mL A	None	Metals 6020 (Total)	1	250mL P	HNO3
SVOCs 8270	4	40mL VOAs	None				
Sulfate 300.0	1	Other	None				

Name	Signature	Date
(1) Clay Faircloth		5/30/2025

Notes: DUP-1 collected here

GROUNDWATER SAMPLING FORM

Project Name:	Durham Parks - East End		
Project Location:	Durham, Durham County, North Carolina		
Project Number:		Purge Date:	June 2, 2025
Source Well:	**MW-6**	Purge Time (Min.):	23
Locked?:	No	Sample Date:	June 2, 2025
Sampled By:	C. Faircloth, H. Maness	Sample Time:	14:30
Weather:	Overcast	Air Temp:	70 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check		
pH	5/30/25	09:30	4.00, 7.00, 10.00	4.8	7.6	10.4
Conductivity	5/30/25	09:45	1,413 µS/cm	1,405 µS/cm		

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	8.35	ft-TOC
Total Well Depth:	20.00	ft-TOC
Height of Water Column:	11.65	feet
Screen Length:	5	ft-GRD
Stickup Height:	0	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	1.9	gal
3 * Well Volume	5.7	gal
5 * Well Volume	9.5	gal

Well Purging Information

Purge Method: Peristaltic Pump **Purge Start Time:** 14:05 **End Time:** 14:28

Total Volume Purged: 1.4 gal **Well Purged Dry?:** No

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity (NTU)	Comments
0.2	14:05	12.2	21.2	838	41	
0.4	14:08	7.8	18.4	678	130	
0.6	14:12	7.4	18.5	821	135	
0.8	14:16	7.1	17.7	889	133	
1.0	14:20	7.1	17.6	965	128	
1.2	14:24	7.0	17.8	1,002	126	
1.4	14:28	7.0	17	1,026	127	

Sample Method: Peristaltic Pump **Sample Time:** 14:30

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.
VOCs 8260	3	40mL VOAs	HCl	Ammonia-Nitrogen 350.1	1	250mL P	H2SO4
SVOCs 8270	2	250mL A	None	Metals 6020 (Total)	1	250mL P	HNO3
SVOCs 8270	4	40mL VOAs	None				
Sulfate 300.0	1	Other	None				

Name	Signature	Date
(1) Clay Faircloth		6/2/2025

Notes:

Form Revision Date: 9/13/17 8:00 AM

GROUNDWATER SAMPLING FORM

Project Name:	Durham Parks - East End		
Project Location:	Durham, Durham County, North Carolina		
Project Number:		Purge Date:	May 30, 2025
Source Well:	**MW-7**	Purge Time (Min.):	20
Locked?:	No	Sample Date:	May 30, 2025
Sampled By:	C. Faircloth, H. Maness	Sample Time:	13:00
Weather:	Overcast	Air Temp:	70 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check		
pH	5/30/25	09:30	4.00, 7.00, 10.00	4.8	7.6	10.4
Conductivity	5/30/25	09:40	1,413 µS/cm	1,405 µS/cm		

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	2.97	ft-TOC
Total Well Depth:	32.10	ft-TOC
Height of Water Column:	29.13	feet
Screen Length:	5	ft-GRD
Stickup Height:	0	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	4.8	gal
3 * Well Volume	14.3	gal
5 * Well Volume	23.8	gal

Well Purging Information

Purge Method: Peristaltic Pump **Purge Start Time:** 12:30 **End Time:** 12:50

Total Volume Purged: 0.6 gal **Well Purged Dry?:** No

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity (NTU)	Comments
0.2	12:40	7.3	24.6	629	11	
0.4	12:45	7.6	24.5	617	13	
0.6	12:50	7.7	24.4	610	13	

Sample Method: Peristaltic Pump **Sample Time:** 13:00

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.
VOCs 8260	3	40mL VOAs	HCl	Ammonia-Nitrogen 350.1	1	250mL P	H2SO4
SVOCs 8270	2	250mL A	None	Metals 6020 (Total)	1	250mL P	HNO3
SVOCs 8270	4	40mL VOAs	None				
Sulfate 300.0	1	Other	None				

Name	Signature	Date
(1) Clay Faircloth		5/30/2025

Notes:

Form Revision Date: 9/13/17 8:00 AM

GROUNDWATER SAMPLING FORM

Project Name:	Durham Parks - East End		
Project Location:	Durham, Durham County, North Carolina		
Project Number:		Purge Date:	May 30, 2025
Source Well:	**MW-8**	Purge Time (Min.):	20
Locked?:	No	Sample Date:	May 30, 2025
Sampled By:	C. Faircloth, H. Maness	Sample Time:	14:00
Weather:	Overcast	Air Temp:	70 ° F

Equipment Calibration Information:

Equipment	Date	Time	Calibration Solution	Calibration Check		
pH	5/30/25	09:30	4.00, 7.00, 10.00	4.8	7.6	10.4
Conductivity	5/30/25	09:45	1,413 µS/cm	1,405 µS/cm		

Water Level & Well Data

Measuring Point:	Top of Casing	
Depth to Water:	12.05	ft-TOC
Total Well Depth:	57.70	ft-TOC
Height of Water Column:	45.65	feet
Screen Length:	5	ft-GRD
Stickup Height:	0	ft-GRD

Well Volume		
Well Diameter	2	inch
Well Volume	7.4	gal
3 * Well Volume	22.3	gal
5 * Well Volume	37.2	gal

Well Purging Information

Purge Method: Peristaltic Pump **Purge Start Time:** 13:35 **End Time:** 13:55

Total Volume Purged: 0.8 gal **Well Purged Dry?:** No

Field Parameters

Cumulative Volume (Gal)	Time	pH (s.u.)	Temp (°C)	Cond µS/cm	Turbidity (NTU)	Comments
0.2	13:40	7.8	21.6	688	15	
0.4	13:45	8.3	20.5	687	17	
0.6	13:50	8.1	19.8	685	19	
0.8	13:55	8.1	19.8	684	17	

Sample Method: Peristaltic Pump **Sample Time:** 14:00

Analytical Data

Method	Qty	Container	Pres.	Method	Qty	Container	Pres.
VOCs 8260	3	40mL VOAs	HCl	Ammonia-Nitrogen 350.1	1	250mL P	H2SO4
SVOCs 8270	2	250mL A	None	Metals 6020 (Total)	1	250mL P	HNO3
SVOCs 8270	4	40mL VOAs	None				
Sulfate 300.0	1	Other	None				

Name	Signature	Date
(1) Clay Faircloth		5/30/2025

Notes:

Form Revision Date: 9/13/17 8:00 AM

Appendix IV – Laboratory Analytical Reports and COC

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh	Date Received:	May 14, 2025 8:00
	3201 Spring Forest Road	Date Issued:	May 28, 2025 16:56
	Raleigh, NC 27616	Project Number:	2205630 Phase Y
Submitted To:	Jerry Paul	Purchase Order:	
Client Site I.D.:	East End Park Project		

Enclosed are the results of analyses for samples received by the laboratory on 05/14/2025 08:00. If you have any questions concerning this report, please feel free to contact the laboratory.

Sincerely,

Keith Sprouse

Laboratory Manager

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.

This report shall not be reproduced except in full without the expressed and written approval of an authorized representative of Enthalpy Analytical, Inc.

TNI Accredited
VELAP ID 460021

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh	Date Received:	May 14, 2025 8:00
	3201 Spring Forest Road	Date Issued:	May 28, 2025 16:56
	Raleigh, NC 27616	Project Number:	2205630 Phase Y
Submitted To:	Jerry Paul	Purchase Order:	
Client Site I.D.:	East End Park Project		

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
LFGP- 5	25E1088-01	Air	05/08/2025 13:00	05/14/2025 08:00
LFGP- 6	25E1088-02	Air	05/08/2025 13:25	05/14/2025 08:00
LFGP- 4	25E1088-03	Air	05/08/2025 12:05	05/14/2025 08:00
Dup- 1	25E1088-04	Air	05/08/2025 12:30	05/14/2025 08:00
LFGP- 7	25E1088-05	Air	05/08/2025 13:45	05/14/2025 08:00
LFGP- 9	25E1088-06	Air	05/08/2025 12:25	05/14/2025 08:00
LFGP- 8	25E1088-07	Air	05/08/2025 12:55	05/14/2025 08:00
LFGP- 10	25E1088-08	Air	05/08/2025 12:50	05/14/2025 08:00
LFGP- 3	25E1088-09	Air	05/09/2025 13:15	05/14/2025 08:00
LFGP- 2	25E1088-10	Air	05/09/2025 12:00	05/14/2025 08:00
LFGP- 1	25E1088-11	Air	05/09/2025 12:50	05/14/2025 08:00
Dup-2	25E1088-12	Air	05/09/2025 12:45	05/14/2025 08:00

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: LFGP- 5

Project Location:

Sample ID: 25E1088-01
Sample Matrix: Air
Sampled: 5/8/2025 13:00
Sample Type: SG

Canister ID: 063-00566::44231
Canister Size: 6L
Flow Controller ID: 063-00404::10523
Flow Controller Type: Passive

Initial Vacuum(in Hg): 30
Final Vacuum(in Hg): 5
Receipt Vacuum(in Hg): 9.6

Sulfur Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Hydrogen Sulfide, as received	ND	90.0	90.0		ND	130	130	9	1	5/20/25 17:48	DFH

Surrogate(s)	% Recovery	% Recovery Limits	
1,4-Difluorobenzene (Surr), as received	92.8	80-120	5/20/25 17:48

Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis
ASTM D1946

Analyte	Vol% Result	Vol% MDL	Vol% LOQ	Flag/Qual	Dilution	PF	Date/Time Analyzed	Analyst
Methane, as received	8.31	0.45	0.45		9	1	5/22/25 15:37	NSD

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	3.00	7.50		ND	16	41	6	2.5	5/19/25 12:27	DFH
1,1,1,2-Tetrachloroethane	ND	3.00	7.50		ND	21	51	6	2.5	5/19/25 12:27	DFH
1,1,2,2-Tetrachloroethane	ND	3.00	7.50		ND	21	51	6	2.5	5/19/25 12:27	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	3.00	7.50		ND	23	57	6	2.5	5/19/25 12:27	DFH
1,1,2-Trichloroethane	ND	3.00	7.50		ND	16	41	6	2.5	5/19/25 12:27	DFH
1,1-Dichloroethane	ND	3.00	7.50		ND	12	30	6	2.5	5/19/25 12:27	DFH
1,1-Dichloroethylene	ND	3.00	7.50		ND	12	30	6	2.5	5/19/25 12:27	DFH
1,2,4-Trimethylbenzene	ND	3.00	7.50		ND	15	37	6	2.5	5/19/25 12:27	DFH
1,2-Dibromoethane (EDB)	ND	3.00	7.50		ND	23	58	6	2.5	5/19/25 12:27	DFH
1,2-Dichlorobenzene	ND	3.00	7.50		ND	18	45	6	2.5	5/19/25 12:27	DFH
1,2-Dichloroethane	ND	3.00	7.50		ND	12	30	6	2.5	5/19/25 12:27	DFH
1,2-Dichloropropane	ND	3.00	7.50		ND	14	35	6	2.5	5/19/25 12:27	DFH
1,2-Dichlorotetrafluoroethane	ND	3.00	7.50		ND	21	52	6	2.5	5/19/25 12:27	DFH
1,3,5-Trimethylbenzene	ND	3.00	7.50		ND	15	37	6	2.5	5/19/25 12:27	DFH

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: LFGP- 5 Project Location:

Sample ID: 25E1088-01 Canister ID: 063-00566::44231 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6L Final Vacuum(in Hg): 5

Sampled: 5/8/2025 13:00 Flow Controller ID: 063-00404::10523 Receipt Vacuum(in Hg): 9.6

Sample Type: SG Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
1,3-Butadiene	ND	3.00	7.50		ND	6.6	17	6	2.5	5/19/25 12:27	DFH
1,3-Dichlorobenzene	5.55	3.00	7.50	J	33	18	45	6	2.5	5/19/25 12:27	DFH
1,4-Dichlorobenzene	ND	3.00	7.50		ND	18	45	6	2.5	5/19/25 12:27	DFH
1,4-Dioxane	ND	3.00	7.50		ND	11	27	6	2.5	5/19/25 12:27	DFH
2-Butanone (MEK)	ND	3.00	7.50		ND	8.8	22	6	2.5	5/19/25 12:27	DFH
2-Chlorotoluene	ND	3.00	7.50		ND	16	39	6	2.5	5/19/25 12:27	DFH
2-Hexanone (MBK)	ND	3.00	7.50		ND	12	31	6	2.5	5/19/25 12:27	DFH
4-Methyl-2-pentanone (MIBK)	3.60	3.00	7.50	J	41	34	86	6	2.5	5/19/25 12:27	DFH
Allyl chloride	ND	3.00	7.50		ND	9.4	23	6	2.5	5/19/25 12:27	DFH
Benzene	6.15	3.00	3.00		20	9.6	9.6	6	2.5	5/19/25 12:27	DFH
Benzyl Chloride	ND	3.00	7.50		ND	16	39	6	2.5	5/19/25 12:27	DFH
Bromoform	ND	3.00	7.50		ND	31	78	6	2.5	5/19/25 12:27	DFH
Bromomethane	ND	3.00	7.50		ND	12	29	6	2.5	5/19/25 12:27	DFH
Carbon Disulfide	7.80	7.50	7.50		24	23	23	6	2.5	5/19/25 12:27	DFH
Carbon Tetrachloride	ND	3.00	7.50		ND	19	47	6	2.5	5/19/25 12:27	DFH
Chlorobenzene	ND	3.00	7.50		ND	14	35	6	2.5	5/19/25 12:27	DFH
Chloroethane	ND	3.00	7.50		ND	7.9	20	6	2.5	5/19/25 12:27	DFH
Chloroform	ND	3.00	3.00		ND	15	15	6	2.5	5/19/25 12:27	DFH
Chloromethane	ND	3.00	7.50		ND	6.2	15	6	2.5	5/19/25 12:27	DFH
cis-1,2-Dichloroethylene	ND	3.00	7.50		ND	12	30	6	2.5	5/19/25 12:27	DFH
cis-1,3-Dichloropropene	ND	3.00	7.50		ND	14	34	6	2.5	5/19/25 12:27	DFH
Cyclohexane	63.0	3.00	7.50		220	10	26	6	2.5	5/19/25 12:27	DFH
Dibromochloromethane	ND	3.00	7.50		ND	26	64	6	2.5	5/19/25 12:27	DFH
Dichlorodifluoromethane	ND	7.50	7.50		ND	37	37	6	2.5	5/19/25 12:27	DFH
Ethyl acetate	ND	3.00	7.50		ND	11	27	6	2.5	5/19/25 12:27	DFH
Ethylbenzene	ND	3.00	7.50		ND	13	33	6	2.5	5/19/25 12:27	DFH
Heptane	15.4	3.00	7.50		63	12	31	6	2.5	5/19/25 12:27	DFH
Hexachlorobutadiene	ND	3.00	7.50		ND	32	80	6	2.5	5/19/25 12:27	DFH
Hexane	45.8	3.00	7.50		160	11	26	6	2.5	5/19/25 12:27	DFH

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: LFGP- 5 Project Location:

Sample ID: 25E1088-01 Canister ID: 063-00566::44231 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6L Final Vacuum(in Hg): 5

Sampled: 5/8/2025 13:00 Flow Controller ID: 063-00404::10523 Receipt Vacuum(in Hg): 9.6

Sample Type: SG Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Isopropylbenzene	ND	3.00	7.50		ND	15	37	6	2.5	5/19/25 12:27	DFH
m+p-Xylenes	ND	6.00	15.0		ND	26	65	6	2.5	5/19/25 12:27	DFH
Methyl methacrylate	ND	3.00	7.50		ND	12	31	6	2.5	5/19/25 12:27	DFH
Methylene chloride	ND	7.50	15.0		ND	26	52	6	2.5	5/19/25 12:27	DFH
Methyl-t-butyl ether (MTBE)	ND	3.00	7.50		ND	11	27	6	2.5	5/19/25 12:27	DFH
Naphthalene	ND	3.00	3.00		ND	16	16	6	2.5	5/19/25 12:27	DFH
o-Xylene	3.45	3.00	7.50	J	15	13	33	6	2.5	5/19/25 12:27	DFH
Propylene	65.4	2.40	2.40		110	4.1	4.1	6	2.5	5/19/25 12:27	DFH
Styrene	ND	3.00	7.50		ND	13	32	6	2.5	5/19/25 12:27	DFH
TBA	ND	7.50	7.50		ND	23	23	6	2.5	5/19/25 12:27	DFH
Tetrachloroethylene (PCE)	3.30	3.00	7.50	J	22	20	51	6	2.5	5/19/25 12:27	DFH
Tetrahydrofuran	ND	3.00	7.50		ND	8.8	22	6	2.5	5/19/25 12:27	DFH
Toluene	25.2	3.00	7.50		95	11	28	6	2.5	5/19/25 12:27	DFH
trans-1,2-Dichloroethylene	ND	3.00	7.50		ND	12	30	6	2.5	5/19/25 12:27	DFH
trans-1,3-Dichloropropene	ND	3.00	7.50		ND	14	34	6	2.5	5/19/25 12:27	DFH
Trichloroethylene	ND	3.00	3.00		ND	16	16	6	2.5	5/19/25 12:27	DFH
Trichlorofluoromethane	ND	7.50	7.50		ND	42	42	6	2.5	5/19/25 12:27	DFH
Vinyl acetate	ND	3.00	7.50		ND	11	26	6	2.5	5/19/25 12:27	DFH
Vinyl bromide	ND	3.00	7.50		ND	13	33	6	2.5	5/19/25 12:27	DFH
Vinyl chloride	ND	3.00	7.50		ND	7.7	19	6	2.5	5/19/25 12:27	DFH
Xylenes, Total	ND	9.00	22.5		ND	39	98	6	2.5	5/19/25 12:27	DFH

Surrogate(s)	% Recovery	% Recovery Limits	
4-Bromofluorobenzene (Surr)	103	80-120	5/19/25 12:27

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: LFGP- 6

Project Location:

Sample ID: 25E1088-02
Sample Matrix: Air
Sampled: 5/8/2025 13:25
Sample Type: SG

Canister ID: 063-00418::44636
Canister Size: 6L
Flow Controller ID: 063-00394::10525
Flow Controller Type: Passive

Initial Vacuum(in Hg): 30
Final Vacuum(in Hg): 5
Receipt Vacuum(in Hg): 10.2

Sulfur Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Hydrogen Sulfide, as received	ND	15.0	15.0		ND	21	21	1.5	1	5/20/25 19:09	DFH

Surrogate(s)	% Recovery	% Recovery Limits	Date/Time Analyzed
1,4-Difluorobenzene (Surr), as received	96.6	80-120	5/20/25 19:09

Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis
ASTM D1946

Analyte	Vol% Result	Vol% MDL	Vol% LOQ	Flag/Qual	Dilution	PF	Date/Time Analyzed	Analyst
Methane, as received	ND	0.45	0.45		9	1	5/22/25 16:23	NSD

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.75	1.88		ND	4.1	10	1.5	2.5	5/19/25 13:59	DFH
1,1,1,2-Tetrachloroethane	ND	0.75	1.88		ND	5.1	13	1.5	2.5	5/19/25 13:59	DFH
1,1,2,2-Tetrachloroethane	ND	0.75	1.88		ND	5.1	13	1.5	2.5	5/19/25 13:59	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	11.2	0.75	1.88		86	5.7	14	1.5	2.5	5/19/25 13:59	DFH
1,1,2-Trichloroethane	ND	0.75	1.88		ND	4.1	10	1.5	2.5	5/19/25 13:59	DFH
1,1-Dichloroethane	ND	0.75	1.88		ND	3.0	7.6	1.5	2.5	5/19/25 13:59	DFH
1,1-Dichloroethylene	ND	0.75	1.88		ND	3.0	7.4	1.5	2.5	5/19/25 13:59	DFH
1,2,4-Trimethylbenzene	ND	0.75	1.88		ND	3.7	9.2	1.5	2.5	5/19/25 13:59	DFH
1,2-Dibromoethane (EDB)	ND	0.75	1.88		ND	5.8	14	1.5	2.5	5/19/25 13:59	DFH
1,2-Dichlorobenzene	ND	0.75	1.88		ND	4.5	11	1.5	2.5	5/19/25 13:59	DFH
1,2-Dichloroethane	ND	0.75	1.88		ND	3.0	7.6	1.5	2.5	5/19/25 13:59	DFH
1,2-Dichloropropane	ND	0.75	1.88		ND	3.5	8.7	1.5	2.5	5/19/25 13:59	DFH
1,2-Dichlorotetrafluoroethane	ND	0.75	1.88		ND	5.2	13	1.5	2.5	5/19/25 13:59	DFH
1,3,5-Trimethylbenzene	ND	0.75	1.88		ND	3.7	9.2	1.5	2.5	5/19/25 13:59	DFH

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: LFGP- 6 Project Location:

Sample ID: 25E1088-02 Canister ID: 063-00418::44636 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6L Final Vacuum(in Hg): 5

Sampled: 5/8/2025 13:25 Flow Controller ID: 063-00394::10525 Receipt Vacuum(in Hg): 10.2

Sample Type: SG Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
1,3-Butadiene	ND	0.75	1.88		ND	1.7	4.1	1.5	2.5	5/19/25 13:59	DFH
1,3-Dichlorobenzene	2.62	0.75	1.88		16	4.5	11	1.5	2.5	5/19/25 13:59	DFH
1,4-Dichlorobenzene	ND	0.75	1.88		ND	4.5	11	1.5	2.5	5/19/25 13:59	DFH
1,4-Dioxane	ND	0.75	1.88		ND	2.7	6.8	1.5	2.5	5/19/25 13:59	DFH
2-Butanone (MEK)	1.91	0.75	1.88		5.6	2.2	5.5	1.5	2.5	5/19/25 13:59	DFH
2-Chlorotoluene	ND	0.75	1.88		ND	3.9	9.7	1.5	2.5	5/19/25 13:59	DFH
2-Hexanone (MBK)	ND	0.75	1.88		ND	3.1	7.7	1.5	2.5	5/19/25 13:59	DFH
4-Methyl-2-pentanone (MIBK)	4.09	0.75	1.88		47	8.6	21	1.5	2.5	5/19/25 13:59	DFH
Allyl chloride	ND	0.75	1.88		ND	2.3	5.9	1.5	2.5	5/19/25 13:59	DFH
Benzene	3.60	0.75	0.75		12	2.4	2.4	1.5	2.5	5/19/25 13:59	DFH
Benzyl Chloride	ND	0.75	1.88		ND	3.9	9.7	1.5	2.5	5/19/25 13:59	DFH
Bromoform	ND	0.75	1.88		ND	7.8	19	1.5	2.5	5/19/25 13:59	DFH
Bromomethane	ND	0.75	1.88		ND	2.9	7.3	1.5	2.5	5/19/25 13:59	DFH
Carbon Disulfide	ND	1.88	1.88		ND	5.8	5.8	1.5	2.5	5/19/25 13:59	DFH
Carbon Tetrachloride	ND	0.75	1.88		ND	4.7	12	1.5	2.5	5/19/25 13:59	DFH
Chlorobenzene	ND	0.75	1.88		ND	3.5	8.6	1.5	2.5	5/19/25 13:59	DFH
Chloroethane	ND	0.75	1.88		ND	2.0	4.9	1.5	2.5	5/19/25 13:59	DFH
Chloroform	ND	0.75	0.75		ND	3.7	3.7	1.5	2.5	5/19/25 13:59	DFH
Chloromethane	ND	0.75	1.88		ND	1.5	3.9	1.5	2.5	5/19/25 13:59	DFH
cis-1,2-Dichloroethylene	ND	0.75	1.88		ND	3.0	7.4	1.5	2.5	5/19/25 13:59	DFH
cis-1,3-Dichloropropene	ND	0.75	1.88		ND	3.4	8.5	1.5	2.5	5/19/25 13:59	DFH
Cyclohexane	1.20	0.75	1.88	J	4.1	2.6	6.5	1.5	2.5	5/19/25 13:59	DFH
Dibromochloromethane	ND	0.75	1.88		ND	6.4	16	1.5	2.5	5/19/25 13:59	DFH
Dichlorodifluoromethane	ND	1.88	1.88		ND	9.3	9.3	1.5	2.5	5/19/25 13:59	DFH
Ethyl acetate	ND	0.75	1.88		ND	2.7	6.8	1.5	2.5	5/19/25 13:59	DFH
Ethylbenzene	ND	0.75	1.88		ND	3.3	8.1	1.5	2.5	5/19/25 13:59	DFH
Heptane	ND	0.75	1.88		ND	3.1	7.7	1.5	2.5	5/19/25 13:59	DFH
Hexachlorobutadiene	ND	0.75	1.88		ND	8.0	20	1.5	2.5	5/19/25 13:59	DFH
Hexane	1.24	0.75	1.88	J	4.4	2.6	6.6	1.5	2.5	5/19/25 13:59	DFH

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: LFGP- 6 Project Location:

Sample ID: 25E1088-02
Sample Matrix: Air
Sampled: 5/8/2025 13:25
Sample Type: SG

Canister ID: 063-00418::44636
Canister Size: 6L
Flow Controller ID: 063-00394::10525
Flow Controller Type: Passive

Initial Vacuum(in Hg): 30
Final Vacuum(in Hg): 5
Receipt Vacuum(in Hg): 10.2

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Isopropylbenzene	ND	0.75	1.88		ND	3.7	9.2	1.5	2.5	5/19/25 13:59	DFH
m+p-Xylenes	ND	1.50	3.75		ND	6.5	16	1.5	2.5	5/19/25 13:59	DFH
Methyl methacrylate	ND	0.75	1.88		ND	3.1	7.7	1.5	2.5	5/19/25 13:59	DFH
Methylene chloride	ND	1.88	3.75		ND	6.5	13	1.5	2.5	5/19/25 13:59	DFH
Methyl-t-butyl ether (MTBE)	ND	0.75	1.88		ND	2.7	6.8	1.5	2.5	5/19/25 13:59	DFH
Naphthalene	ND	0.75	0.75		ND	3.9	3.9	1.5	2.5	5/19/25 13:59	DFH
o-Xylene	ND	0.75	1.88		ND	3.3	8.1	1.5	2.5	5/19/25 13:59	DFH
Propylene	2.62	0.60	0.60		4.5	1.0	1.0	1.5	2.5	5/19/25 13:59	DFH
Styrene	ND	0.75	1.88		ND	3.2	8.0	1.5	2.5	5/19/25 13:59	DFH
TBA	ND	1.88	1.88		ND	5.7	5.7	1.5	2.5	5/19/25 13:59	DFH
Tetrachloroethylene (PCE)	ND	0.75	1.88		ND	5.1	13	1.5	2.5	5/19/25 13:59	DFH
Tetrahydrofuran	0.75	0.75	1.88	J	2.2	2.2	5.5	1.5	2.5	5/19/25 13:59	DFH
Toluene	0.98	0.75	1.88	J	3.7	2.8	7.1	1.5	2.5	5/19/25 13:59	DFH
trans-1,2-Dichloroethylene	ND	0.75	1.88		ND	3.0	7.4	1.5	2.5	5/19/25 13:59	DFH
trans-1,3-Dichloropropene	ND	0.75	1.88		ND	3.4	8.5	1.5	2.5	5/19/25 13:59	DFH
Trichloroethylene	ND	0.75	0.75		ND	4.0	4.0	1.5	2.5	5/19/25 13:59	DFH
Trichlorofluoromethane	ND	1.88	1.88		ND	11	11	1.5	2.5	5/19/25 13:59	DFH
Vinyl acetate	ND	0.75	1.88		ND	2.6	6.6	1.5	2.5	5/19/25 13:59	DFH
Vinyl bromide	ND	0.75	1.88		ND	3.3	8.2	1.5	2.5	5/19/25 13:59	DFH
Vinyl chloride	ND	0.75	1.88		ND	1.9	4.8	1.5	2.5	5/19/25 13:59	DFH
Xylenes, Total	ND	2.25	5.62		ND	9.8	24	1.5	2.5	5/19/25 13:59	DFH

Surrogate(s)	% Recovery	% Recovery Limits	
4-Bromofluorobenzene (Surr)	102	80-120	5/19/25 13:59

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: LFGP- 4 Project Location:

Sample ID: 25E1088-03 Canister ID: 063-00841::48095 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6L Final Vacuum(in Hg): 5

Sampled: 5/8/2025 12:05 Flow Controller ID: 063-00424::10534 Receipt Vacuum(in Hg): 5.6

Sample Type: SG Flow Controller Type: Passive

Sulfur Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Hydrogen Sulfide, as received	ND	15.0	15.0		ND	21	21	1.5	1	5/20/25 19:50	DFH

Surrogate(s)	% Recovery	% Recovery Limits	Date/Time Analyzed
1,4-Difluorobenzene (Surr), as received	99.5	80-120	5/20/25 19:50

Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis
ASTM D1946

Analyte	Vol% Result	Vol% MDL	Vol% LOQ	Flag/Qual	Dilution	PF	Date/Time Analyzed	Analyst
Methane, as received	ND	0.45	0.45		9	1	5/22/25 17:08	NSD

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.75	1.88		ND	4.1	10	1.5	2.5	5/19/25 14:47	DFH
1,1,1,2-Tetrachloroethane	ND	0.75	1.88		ND	5.1	13	1.5	2.5	5/19/25 14:47	DFH
1,1,2,2-Tetrachloroethane	ND	0.75	1.88		ND	5.1	13	1.5	2.5	5/19/25 14:47	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.75	1.88		ND	5.7	14	1.5	2.5	5/19/25 14:47	DFH
1,1,2-Trichloroethane	ND	0.75	1.88		ND	4.1	10	1.5	2.5	5/19/25 14:47	DFH
1,1-Dichloroethane	ND	0.75	1.88		ND	3.0	7.6	1.5	2.5	5/19/25 14:47	DFH
1,1-Dichloroethylene	ND	0.75	1.88		ND	3.0	7.4	1.5	2.5	5/19/25 14:47	DFH
1,2,4-Trimethylbenzene	ND	0.75	1.88		ND	3.7	9.2	1.5	2.5	5/19/25 14:47	DFH
1,2-Dibromoethane (EDB)	ND	0.75	1.88		ND	5.8	14	1.5	2.5	5/19/25 14:47	DFH
1,2-Dichlorobenzene	ND	0.75	1.88		ND	4.5	11	1.5	2.5	5/19/25 14:47	DFH
1,2-Dichloroethane	ND	0.75	1.88		ND	3.0	7.6	1.5	2.5	5/19/25 14:47	DFH
1,2-Dichloropropane	ND	0.75	1.88		ND	3.5	8.7	1.5	2.5	5/19/25 14:47	DFH
1,2-Dichlorotetrafluoroethane	ND	0.75	1.88		ND	5.2	13	1.5	2.5	5/19/25 14:47	DFH
1,3,5-Trimethylbenzene	ND	0.75	1.88		ND	3.7	9.2	1.5	2.5	5/19/25 14:47	DFH

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: LFGP- 4 Project Location:

Sample ID: 25E1088-03
Sample Matrix: Air
Sampled: 5/8/2025 12:05
Sample Type: SG

Canister ID: 063-00841::48095
Canister Size: 6L
Flow Controller ID: 063-00424::10534
Flow Controller Type: Passive

Initial Vacuum(in Hg): 30
Final Vacuum(in Hg): 5
Receipt Vacuum(in Hg): 5.6

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
1,3-Butadiene	ND	0.75	1.88		ND	1.7	4.1	1.5	2.5	5/19/25 14:47	DFH
1,3-Dichlorobenzene	3.90	0.75	1.88		23	4.5	11	1.5	2.5	5/19/25 14:47	DFH
1,4-Dichlorobenzene	ND	0.75	1.88		ND	4.5	11	1.5	2.5	5/19/25 14:47	DFH
1,4-Dioxane	ND	0.75	1.88		ND	2.7	6.8	1.5	2.5	5/19/25 14:47	DFH
2-Butanone (MEK)	1.01	0.75	1.88	J	3.0	2.2	5.5	1.5	2.5	5/19/25 14:47	DFH
2-Chlorotoluene	ND	0.75	1.88		ND	3.9	9.7	1.5	2.5	5/19/25 14:47	DFH
2-Hexanone (MBK)	ND	0.75	1.88		ND	3.1	7.7	1.5	2.5	5/19/25 14:47	DFH
4-Methyl-2-pentanone (MIBK)	1.80	0.75	1.88	J	21	8.6	21	1.5	2.5	5/19/25 14:47	DFH
Allyl chloride	ND	0.75	1.88		ND	2.3	5.9	1.5	2.5	5/19/25 14:47	DFH
Benzene	ND	0.75	0.75		ND	2.4	2.4	1.5	2.5	5/19/25 14:47	DFH
Benzyl Chloride	ND	0.75	1.88		ND	3.9	9.7	1.5	2.5	5/19/25 14:47	DFH
Bromoform	ND	0.75	1.88		ND	7.8	19	1.5	2.5	5/19/25 14:47	DFH
Bromomethane	ND	0.75	1.88		ND	2.9	7.3	1.5	2.5	5/19/25 14:47	DFH
Carbon Disulfide	1.95	1.88	1.88		6.1	5.8	5.8	1.5	2.5	5/19/25 14:47	DFH
Carbon Tetrachloride	ND	0.75	1.88		ND	4.7	12	1.5	2.5	5/19/25 14:47	DFH
Chlorobenzene	ND	0.75	1.88		ND	3.5	8.6	1.5	2.5	5/19/25 14:47	DFH
Chloroethane	ND	0.75	1.88		ND	2.0	4.9	1.5	2.5	5/19/25 14:47	DFH
Chloroform	ND	0.75	0.75		ND	3.7	3.7	1.5	2.5	5/19/25 14:47	DFH
Chloromethane	ND	0.75	1.88		ND	1.5	3.9	1.5	2.5	5/19/25 14:47	DFH
cis-1,2-Dichloroethylene	ND	0.75	1.88		ND	3.0	7.4	1.5	2.5	5/19/25 14:47	DFH
cis-1,3-Dichloropropene	ND	0.75	1.88		ND	3.4	8.5	1.5	2.5	5/19/25 14:47	DFH
Cyclohexane	1.42	0.75	1.88	J	4.9	2.6	6.5	1.5	2.5	5/19/25 14:47	DFH
Dibromochloromethane	ND	0.75	1.88		ND	6.4	16	1.5	2.5	5/19/25 14:47	DFH
Dichlorodifluoromethane	ND	1.88	1.88		ND	9.3	9.3	1.5	2.5	5/19/25 14:47	DFH
Ethyl acetate	2.02	0.75	1.88		7.3	2.7	6.8	1.5	2.5	5/19/25 14:47	DFH
Ethylbenzene	ND	0.75	1.88		ND	3.3	8.1	1.5	2.5	5/19/25 14:47	DFH
Heptane	ND	0.75	1.88		ND	3.1	7.7	1.5	2.5	5/19/25 14:47	DFH
Hexachlorobutadiene	ND	0.75	1.88		ND	8.0	20	1.5	2.5	5/19/25 14:47	DFH
Hexane	8.70	0.75	1.88		31	2.6	6.6	1.5	2.5	5/19/25 14:47	DFH

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: LFGP- 4 Project Location:

Sample ID: 25E1088-03
Sample Matrix: Air
Sampled: 5/8/2025 12:05
Sample Type: SG

Canister ID: 063-00841::48095
Canister Size: 6L
Flow Controller ID: 063-00424::10534
Flow Controller Type: Passive

Initial Vacuum(in Hg): 30
Final Vacuum(in Hg): 5
Receipt Vacuum(in Hg): 5.6

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Isopropylbenzene	ND	0.75	1.88		ND	3.7	9.2	1.5	2.5	5/19/25 14:47	DFH
m+p-Xylenes	ND	1.50	3.75		ND	6.5	16	1.5	2.5	5/19/25 14:47	DFH
Methyl methacrylate	ND	0.75	1.88		ND	3.1	7.7	1.5	2.5	5/19/25 14:47	DFH
Methylene chloride	40.4	1.88	3.75		140	6.5	13	1.5	2.5	5/19/25 14:47	DFH
Methyl-t-butyl ether (MTBE)	ND	0.75	1.88		ND	2.7	6.8	1.5	2.5	5/19/25 14:47	DFH
Naphthalene	ND	0.75	0.75		ND	3.9	3.9	1.5	2.5	5/19/25 14:47	DFH
o-Xylene	ND	0.75	1.88		ND	3.3	8.1	1.5	2.5	5/19/25 14:47	DFH
Propylene	6.98	0.60	0.60		12	1.0	1.0	1.5	2.5	5/19/25 14:47	DFH
Styrene	ND	0.75	1.88		ND	3.2	8.0	1.5	2.5	5/19/25 14:47	DFH
TBA	ND	1.88	1.88		ND	5.7	5.7	1.5	2.5	5/19/25 14:47	DFH
Tetrachloroethylene (PCE)	11.1	0.75	1.88		76	5.1	13	1.5	2.5	5/19/25 14:47	DFH
Tetrahydrofuran	0.75	0.75	1.88	J	2.2	2.2	5.5	1.5	2.5	5/19/25 14:47	DFH
Toluene	ND	0.75	1.88		ND	2.8	7.1	1.5	2.5	5/19/25 14:47	DFH
trans-1,2-Dichloroethylene	ND	0.75	1.88		ND	3.0	7.4	1.5	2.5	5/19/25 14:47	DFH
trans-1,3-Dichloropropene	ND	0.75	1.88		ND	3.4	8.5	1.5	2.5	5/19/25 14:47	DFH
Trichloroethylene	ND	0.75	0.75		ND	4.0	4.0	1.5	2.5	5/19/25 14:47	DFH
Trichlorofluoromethane	ND	1.88	1.88		ND	11	11	1.5	2.5	5/19/25 14:47	DFH
Vinyl acetate	ND	0.75	1.88		ND	2.6	6.6	1.5	2.5	5/19/25 14:47	DFH
Vinyl bromide	ND	0.75	1.88		ND	3.3	8.2	1.5	2.5	5/19/25 14:47	DFH
Vinyl chloride	ND	0.75	1.88		ND	1.9	4.8	1.5	2.5	5/19/25 14:47	DFH
Xylenes, Total	ND	2.25	5.62		ND	9.8	24	1.5	2.5	5/19/25 14:47	DFH

Surrogate(s)	% Recovery	% Recovery Limits	
4-Bromofluorobenzene (Surr)	97.4	80-120	5/19/25 14:47

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: Dup- 1
Sample ID: 25E1088-04
Sample Matrix: Air
Sampled: 5/8/2025 12:30
Sample Type: SG

Project Location:
Canister ID: 063-00843::48101
Canister Size: 6L
Flow Controller ID: 063-00531::14091
Flow Controller Type: Passive

Initial Vacuum(in Hg): 30
Final Vacuum(in Hg): 5
Receipt Vacuum(in Hg): 6.8

Sulfur Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Hydrogen Sulfide, as received	ND	15.0	15.0		ND	21	21	1.5	1	5/20/25 20:31	DFH

Surrogate(s)	% Recovery	% Recovery Limits	Date/Time Analyzed
1,4-Difluorobenzene (Surr), as received	101	80-120	5/20/25 20:31

Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis
ASTM D1946

Analyte	Vol% Result	Vol% MDL	Vol% LOQ	Flag/Qual	Dilution	PF	Date/Time Analyzed	Analyst
Methane, as received	ND	0.45	0.45		9	1	5/22/25 18:54	NSD

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.75	1.88		ND	4.1	10	1.5	2.5	5/19/25 16:20	DFH
1,1,1,2-Tetrachloroethane	ND	0.75	1.88		ND	5.1	13	1.5	2.5	5/19/25 16:20	DFH
1,1,2,2-Tetrachloroethane	ND	0.75	1.88		ND	5.1	13	1.5	2.5	5/19/25 16:20	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.75	1.88		ND	5.7	14	1.5	2.5	5/19/25 16:20	DFH
1,1,2-Trichloroethane	ND	0.75	1.88		ND	4.1	10	1.5	2.5	5/19/25 16:20	DFH
1,1-Dichloroethane	ND	0.75	1.88		ND	3.0	7.6	1.5	2.5	5/19/25 16:20	DFH
1,1-Dichloroethylene	ND	0.75	1.88		ND	3.0	7.4	1.5	2.5	5/19/25 16:20	DFH
1,2,4-Trimethylbenzene	ND	0.75	1.88		ND	3.7	9.2	1.5	2.5	5/19/25 16:20	DFH
1,2-Dibromoethane (EDB)	ND	0.75	1.88		ND	5.8	14	1.5	2.5	5/19/25 16:20	DFH
1,2-Dichlorobenzene	ND	0.75	1.88		ND	4.5	11	1.5	2.5	5/19/25 16:20	DFH
1,2-Dichloroethane	ND	0.75	1.88		ND	3.0	7.6	1.5	2.5	5/19/25 16:20	DFH
1,2-Dichloropropane	ND	0.75	1.88		ND	3.5	8.7	1.5	2.5	5/19/25 16:20	DFH
1,2-Dichlorotetrafluoroethane	ND	0.75	1.88		ND	5.2	13	1.5	2.5	5/19/25 16:20	DFH
1,3,5-Trimethylbenzene	ND	0.75	1.88		ND	3.7	9.2	1.5	2.5	5/19/25 16:20	DFH

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: Dup- 1

Project Location:

Sample ID: 25E1088-04
Sample Matrix: Air
Sampled: 5/8/2025 12:30
Sample Type: SG

Canister ID: 063-00843::48101
Canister Size: 6L
Flow Controller ID: 063-00531::14091
Flow Controller Type: Passive

Initial Vacuum(in Hg): 30
Final Vacuum(in Hg): 5
Receipt Vacuum(in Hg): 6.8

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
1,3-Butadiene	ND	0.75	1.88		ND	1.7	4.1	1.5	2.5	5/19/25 16:20	DFH
1,3-Dichlorobenzene	4.39	0.75	1.88		26	4.5	11	1.5	2.5	5/19/25 16:20	DFH
1,4-Dichlorobenzene	ND	0.75	1.88		ND	4.5	11	1.5	2.5	5/19/25 16:20	DFH
1,4-Dioxane	ND	0.75	1.88		ND	2.7	6.8	1.5	2.5	5/19/25 16:20	DFH
2-Butanone (MEK)	1.12	0.75	1.88	J	3.3	2.2	5.5	1.5	2.5	5/19/25 16:20	DFH
2-Chlorotoluene	ND	0.75	1.88		ND	3.9	9.7	1.5	2.5	5/19/25 16:20	DFH
2-Hexanone (MBK)	ND	0.75	1.88		ND	3.1	7.7	1.5	2.5	5/19/25 16:20	DFH
4-Methyl-2-pentanone (MIBK)	1.69	0.75	1.88	J	19	8.6	21	1.5	2.5	5/19/25 16:20	DFH
Allyl chloride	ND	0.75	1.88		ND	2.3	5.9	1.5	2.5	5/19/25 16:20	DFH
Benzene	ND	0.75	0.75		ND	2.4	2.4	1.5	2.5	5/19/25 16:20	DFH
Benzyl Chloride	ND	0.75	1.88		ND	3.9	9.7	1.5	2.5	5/19/25 16:20	DFH
Bromoform	ND	0.75	1.88		ND	7.8	19	1.5	2.5	5/19/25 16:20	DFH
Bromomethane	ND	0.75	1.88		ND	2.9	7.3	1.5	2.5	5/19/25 16:20	DFH
Carbon Disulfide	ND	1.88	1.88		ND	5.8	5.8	1.5	2.5	5/19/25 16:20	DFH
Carbon Tetrachloride	ND	0.75	1.88		ND	4.7	12	1.5	2.5	5/19/25 16:20	DFH
Chlorobenzene	ND	0.75	1.88		ND	3.5	8.6	1.5	2.5	5/19/25 16:20	DFH
Chloroethane	ND	0.75	1.88		ND	2.0	4.9	1.5	2.5	5/19/25 16:20	DFH
Chloroform	ND	0.75	0.75		ND	3.7	3.7	1.5	2.5	5/19/25 16:20	DFH
Chloromethane	ND	0.75	1.88		ND	1.5	3.9	1.5	2.5	5/19/25 16:20	DFH
cis-1,2-Dichloroethylene	ND	0.75	1.88		ND	3.0	7.4	1.5	2.5	5/19/25 16:20	DFH
cis-1,3-Dichloropropene	ND	0.75	1.88		ND	3.4	8.5	1.5	2.5	5/19/25 16:20	DFH
Cyclohexane	1.39	0.75	1.88	J	4.8	2.6	6.5	1.5	2.5	5/19/25 16:20	DFH
Dibromochloromethane	ND	0.75	1.88		ND	6.4	16	1.5	2.5	5/19/25 16:20	DFH
Dichlorodifluoromethane	ND	1.88	1.88		ND	9.3	9.3	1.5	2.5	5/19/25 16:20	DFH
Ethyl acetate	1.91	0.75	1.88		6.9	2.7	6.8	1.5	2.5	5/19/25 16:20	DFH
Ethylbenzene	ND	0.75	1.88		ND	3.3	8.1	1.5	2.5	5/19/25 16:20	DFH
Heptane	ND	0.75	1.88		ND	3.1	7.7	1.5	2.5	5/19/25 16:20	DFH
Hexachlorobutadiene	ND	0.75	1.88		ND	8.0	20	1.5	2.5	5/19/25 16:20	DFH
Hexane	9.68	0.75	1.88		34	2.6	6.6	1.5	2.5	5/19/25 16:20	DFH

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: Dup- 1 Project Location:

Sample ID: 25E1088-04
Sample Matrix: Air
Sampled: 5/8/2025 12:30
Sample Type: SG

Canister ID: 063-00843::48101
Canister Size: 6L
Flow Controller ID: 063-00531::14091
Flow Controller Type: Passive

Initial Vacuum(in Hg): 30
Final Vacuum(in Hg): 5
Receipt Vacuum(in Hg): 6.8

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Isopropylbenzene	ND	0.75	1.88		ND	3.7	9.2	1.5	2.5	5/19/25 16:20	DFH
m+p-Xylenes	ND	1.50	3.75		ND	6.5	16	1.5	2.5	5/19/25 16:20	DFH
Methyl methacrylate	ND	0.75	1.88		ND	3.1	7.7	1.5	2.5	5/19/25 16:20	DFH
Methylene chloride	37.8	1.88	3.75		130	6.5	13	1.5	2.5	5/19/25 16:20	DFH
Methyl-t-butyl ether (MTBE)	ND	0.75	1.88		ND	2.7	6.8	1.5	2.5	5/19/25 16:20	DFH
Naphthalene	ND	0.75	0.75		ND	3.9	3.9	1.5	2.5	5/19/25 16:20	DFH
o-Xylene	ND	0.75	1.88		ND	3.3	8.1	1.5	2.5	5/19/25 16:20	DFH
Propylene	6.94	0.60	0.60		12	1.0	1.0	1.5	2.5	5/19/25 16:20	DFH
Styrene	ND	0.75	1.88		ND	3.2	8.0	1.5	2.5	5/19/25 16:20	DFH
TBA	ND	1.88	1.88		ND	5.7	5.7	1.5	2.5	5/19/25 16:20	DFH
Tetrachloroethylene (PCE)	12.1	0.75	1.88		82	5.1	13	1.5	2.5	5/19/25 16:20	DFH
Tetrahydrofuran	0.79	0.75	1.88	J	2.3	2.2	5.5	1.5	2.5	5/19/25 16:20	DFH
Toluene	ND	0.75	1.88		ND	2.8	7.1	1.5	2.5	5/19/25 16:20	DFH
trans-1,2-Dichloroethylene	ND	0.75	1.88		ND	3.0	7.4	1.5	2.5	5/19/25 16:20	DFH
trans-1,3-Dichloropropene	ND	0.75	1.88		ND	3.4	8.5	1.5	2.5	5/19/25 16:20	DFH
Trichloroethylene	ND	0.75	0.75		ND	4.0	4.0	1.5	2.5	5/19/25 16:20	DFH
Trichlorofluoromethane	ND	1.88	1.88		ND	11	11	1.5	2.5	5/19/25 16:20	DFH
Vinyl acetate	ND	0.75	1.88		ND	2.6	6.6	1.5	2.5	5/19/25 16:20	DFH
Vinyl bromide	ND	0.75	1.88		ND	3.3	8.2	1.5	2.5	5/19/25 16:20	DFH
Vinyl chloride	ND	0.75	1.88		ND	1.9	4.8	1.5	2.5	5/19/25 16:20	DFH
Xylenes, Total	ND	2.25	5.62		ND	9.8	24	1.5	2.5	5/19/25 16:20	DFH

Surrogate(s)	% Recovery	% Recovery Limits	
4-Bromofluorobenzene (Surr)	104	80-120	5/19/25 16:20

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: LFGP- 7 Project Location:

Sample ID: 25E1088-05 Canister ID: 063-01072::50952 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6L Final Vacuum(in Hg): 15

Sampled: 5/8/2025 13:45 Flow Controller ID: 063-00800::20114 Receipt Vacuum(in Hg): 16.2

Sample Type: SG Flow Controller Type: Passive

Sulfur Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Hydrogen Sulfide, as received	ND	150	150		ND	210	210	15	1	5/20/25 21:11	DFH

Surrogate(s)	% Recovery	% Recovery Limits	
1,4-Difluorobenzene (Surr), as received	95.8	80-120	5/20/25 21:11

Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis
ASTM D1946

Analyte	Vol% Result	Vol% MDL	Vol% LOQ	Flag/Qual	Dilution	PF	Date/Time Analyzed	Analyst
Methane, as received	ND	0.45	0.45		9	1	5/22/25 19:39	NSD

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	12.0	30.0		ND	65	160	24	2.5	5/19/25 17:04	DFH
1,1,1,2-Tetrachloroethane	ND	12.0	30.0		ND	82	210	24	2.5	5/19/25 17:04	DFH
1,1,2,2-Tetrachloroethane	ND	12.0	30.0		ND	82	210	24	2.5	5/19/25 17:04	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	12.0	30.0		ND	92	230	24	2.5	5/19/25 17:04	DFH
1,1,2-Trichloroethane	ND	12.0	30.0		ND	65	160	24	2.5	5/19/25 17:04	DFH
1,1-Dichloroethane	ND	12.0	30.0		ND	49	120	24	2.5	5/19/25 17:04	DFH
1,1-Dichloroethylene	ND	12.0	30.0		ND	48	120	24	2.5	5/19/25 17:04	DFH
1,2,4-Trimethylbenzene	ND	12.0	30.0		ND	59	150	24	2.5	5/19/25 17:04	DFH
1,2-Dibromoethane (EDB)	ND	12.0	30.0		ND	92	230	24	2.5	5/19/25 17:04	DFH
1,2-Dichlorobenzene	ND	12.0	30.0		ND	72	180	24	2.5	5/19/25 17:04	DFH
1,2-Dichloroethane	ND	12.0	30.0		ND	49	120	24	2.5	5/19/25 17:04	DFH
1,2-Dichloropropane	ND	12.0	30.0		ND	55	140	24	2.5	5/19/25 17:04	DFH
1,2-Dichlorotetrafluoroethane	ND	12.0	30.0		ND	84	210	24	2.5	5/19/25 17:04	DFH
1,3,5-Trimethylbenzene	ND	12.0	30.0		ND	59	150	24	2.5	5/19/25 17:04	DFH

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: LFGP- 7 Project Location:

Sample ID: 25E1088-05
Sample Matrix: Air
Sampled: 5/8/2025 13:45
Sample Type: SG

Canister ID: 063-01072::50952
Canister Size: 6L
Flow Controller ID: 063-00800::20114
Flow Controller Type: Passive

Initial Vacuum(in Hg): 30
Final Vacuum(in Hg): 15
Receipt Vacuum(in Hg): 16.2

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
1,3-Butadiene	ND	12.0	30.0		ND	27	66	24	2.5	5/19/25 17:04	DFH
1,3-Dichlorobenzene	178	12.0	30.0		1100	72	180	24	2.5	5/19/25 17:04	DFH
1,4-Dichlorobenzene	ND	12.0	30.0		ND	72	180	24	2.5	5/19/25 17:04	DFH
1,4-Dioxane	ND	12.0	30.0		ND	43	110	24	2.5	5/19/25 17:04	DFH
2-Butanone (MEK)	ND	12.0	30.0		ND	35	88	24	2.5	5/19/25 17:04	DFH
2-Chlorotoluene	ND	12.0	30.0		ND	62	160	24	2.5	5/19/25 17:04	DFH
2-Hexanone (MBK)	ND	12.0	30.0		ND	49	120	24	2.5	5/19/25 17:04	DFH
4-Methyl-2-pentanone (MIBK)	ND	12.0	30.0		ND	140	340	24	2.5	5/19/25 17:04	DFH
Allyl chloride	ND	12.0	30.0		ND	38	94	24	2.5	5/19/25 17:04	DFH
Benzene	ND	12.0	12.0		ND	38	38	24	2.5	5/19/25 17:04	DFH
Benzyl Chloride	ND	12.0	30.0		ND	62	160	24	2.5	5/19/25 17:04	DFH
Bromoform	ND	12.0	30.0		ND	120	310	24	2.5	5/19/25 17:04	DFH
Bromomethane	ND	12.0	30.0		ND	47	120	24	2.5	5/19/25 17:04	DFH
Carbon Disulfide	ND	30.0	30.0		ND	93	93	24	2.5	5/19/25 17:04	DFH
Carbon Tetrachloride	ND	12.0	30.0		ND	75	190	24	2.5	5/19/25 17:04	DFH
Chlorobenzene	ND	12.0	30.0		ND	55	140	24	2.5	5/19/25 17:04	DFH
Chloroethane	ND	12.0	30.0		ND	32	79	24	2.5	5/19/25 17:04	DFH
Chloroform	ND	12.0	12.0		ND	59	59	24	2.5	5/19/25 17:04	DFH
Chloromethane	ND	12.0	30.0		ND	25	62	24	2.5	5/19/25 17:04	DFH
cis-1,2-Dichloroethylene	ND	12.0	30.0		ND	48	120	24	2.5	5/19/25 17:04	DFH
cis-1,3-Dichloropropene	ND	12.0	30.0		ND	54	140	24	2.5	5/19/25 17:04	DFH
Cyclohexane	36.0	12.0	30.0		120	41	100	24	2.5	5/19/25 17:04	DFH
Dibromochloromethane	ND	12.0	30.0		ND	100	260	24	2.5	5/19/25 17:04	DFH
Dichlorodifluoromethane	ND	30.0	30.0		ND	150	150	24	2.5	5/19/25 17:04	DFH
Ethyl acetate	ND	12.0	30.0		ND	43	110	24	2.5	5/19/25 17:04	DFH
Ethylbenzene	ND	12.0	30.0		ND	52	130	24	2.5	5/19/25 17:04	DFH
Heptane	ND	12.0	30.0		ND	49	120	24	2.5	5/19/25 17:04	DFH
Hexachlorobutadiene	ND	12.0	30.0		ND	130	320	24	2.5	5/19/25 17:04	DFH
Hexane	ND	12.0	30.0		ND	42	110	24	2.5	5/19/25 17:04	DFH

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: LFGP- 7 Project Location:

Sample ID: 25E1088-05
Sample Matrix: Air
Sampled: 5/8/2025 13:45
Sample Type: SG

Canister ID: 063-01072::50952
Canister Size: 6L
Flow Controller ID: 063-00800::20114
Flow Controller Type: Passive

Initial Vacuum(in Hg): 30
Final Vacuum(in Hg): 15
Receipt Vacuum(in Hg): 16.2

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Isopropylbenzene	ND	12.0	30.0		ND	59	150	24	2.5	5/19/25 17:04	DFH
m+p-Xylenes	ND	24.0	60.0		ND	100	260	24	2.5	5/19/25 17:04	DFH
Methyl methacrylate	ND	12.0	30.0		ND	49	120	24	2.5	5/19/25 17:04	DFH
Methylene chloride	ND	30.0	60.0		ND	100	210	24	2.5	5/19/25 17:04	DFH
Methyl-t-butyl ether (MTBE)	ND	12.0	30.0		ND	43	110	24	2.5	5/19/25 17:04	DFH
Naphthalene	ND	12.0	12.0		ND	63	63	24	2.5	5/19/25 17:04	DFH
o-Xylene	ND	12.0	30.0		ND	52	130	24	2.5	5/19/25 17:04	DFH
Propylene	131	9.60	9.60		230	17	17	24	2.5	5/19/25 17:04	DFH
Styrene	ND	12.0	30.0		ND	51	130	24	2.5	5/19/25 17:04	DFH
TBA	ND	30.0	30.0		ND	91	91	24	2.5	5/19/25 17:04	DFH
Tetrachloroethylene (PCE)	ND	12.0	30.0		ND	81	200	24	2.5	5/19/25 17:04	DFH
Tetrahydrofuran	ND	12.0	30.0		ND	35	88	24	2.5	5/19/25 17:04	DFH
Toluene	15.0	12.0	30.0	J	57	45	110	24	2.5	5/19/25 17:04	DFH
trans-1,2-Dichloroethylene	ND	12.0	30.0		ND	48	120	24	2.5	5/19/25 17:04	DFH
trans-1,3-Dichloropropene	ND	12.0	30.0		ND	54	140	24	2.5	5/19/25 17:04	DFH
Trichloroethylene	ND	12.0	12.0		ND	64	64	24	2.5	5/19/25 17:04	DFH
Trichlorofluoromethane	ND	30.0	30.0		ND	170	170	24	2.5	5/19/25 17:04	DFH
Vinyl acetate	ND	12.0	30.0		ND	42	110	24	2.5	5/19/25 17:04	DFH
Vinyl bromide	ND	12.0	30.0		ND	52	130	24	2.5	5/19/25 17:04	DFH
Vinyl chloride	ND	12.0	30.0		ND	31	77	24	2.5	5/19/25 17:04	DFH
Xylenes, Total	ND	36.0	90.0		ND	160	390	24	2.5	5/19/25 17:04	DFH

Surrogate(s)	% Recovery	% Recovery Limits	
4-Bromofluorobenzene (Surr)	98.2	80-120	5/19/25 17:04

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: LFGP- 9

Project Location:

Sample ID: 25E1088-06

Canister ID: 063-01074::50953

Initial Vacuum(in Hg): 30

Sample Matrix: Air

Canister Size: 6L

Final Vacuum(in Hg): 0

Sampled: 5/8/2025 12:25

Flow Controller ID: 063-00798::20115

Receipt Vacuum(in Hg): 4.8

Sample Type: SG

Flow Controller Type: Passive

Sulfur Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Hydrogen Sulfide, as received	ND	150	150		ND	210	210	15	1	5/20/25 22:29	DFH

Surrogate(s)	% Recovery	% Recovery Limits	
1,4-Difluorobenzene (Surr), as received	97.8	80-120	5/20/25 22:29

Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis
ASTM D1946

Analyte	Vol% Result	Vol% MDL	Vol% LOQ	Flag/Qual	Dilution	PF	Date/Time Analyzed	Analyst
Methane, as received	ND	0.45	0.45		9	1	5/22/25 20:24	NSD

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	6.00	15.0		ND	33	82	12	2.5	5/19/25 19:15	DFH
1,1,1,2-Tetrachloroethane	ND	6.00	15.0		ND	41	100	12	2.5	5/19/25 19:15	DFH
1,1,2,2-Tetrachloroethane	ND	6.00	15.0		ND	41	100	12	2.5	5/19/25 19:15	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	6.00	15.0		ND	46	110	12	2.5	5/19/25 19:15	DFH
1,1,2-Trichloroethane	ND	6.00	15.0		ND	33	82	12	2.5	5/19/25 19:15	DFH
1,1-Dichloroethane	ND	6.00	15.0		ND	24	61	12	2.5	5/19/25 19:15	DFH
1,1-Dichloroethylene	ND	6.00	15.0		ND	24	59	12	2.5	5/19/25 19:15	DFH
1,2,4-Trimethylbenzene	ND	6.00	15.0		ND	29	74	12	2.5	5/19/25 19:15	DFH
1,2-Dibromoethane (EDB)	ND	6.00	15.0		ND	46	120	12	2.5	5/19/25 19:15	DFH
1,2-Dichlorobenzene	ND	6.00	15.0		ND	36	90	12	2.5	5/19/25 19:15	DFH
1,2-Dichloroethane	ND	6.00	15.0		ND	24	61	12	2.5	5/19/25 19:15	DFH
1,2-Dichloropropane	ND	6.00	15.0		ND	28	69	12	2.5	5/19/25 19:15	DFH
1,2-Dichlorotetrafluoroethane	ND	6.00	15.0		ND	42	100	12	2.5	5/19/25 19:15	DFH
1,3,5-Trimethylbenzene	ND	6.00	15.0		ND	29	74	12	2.5	5/19/25 19:15	DFH

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: LFGP- 9 Project Location:

Sample ID: 25E1088-06
Sample Matrix: Air
Sampled: 5/8/2025 12:25
Sample Type: SG

Canister ID: 063-01074::50953
Canister Size: 6L
Flow Controller ID: 063-00798::20115
Flow Controller Type: Passive

Initial Vacuum(in Hg): 30
Final Vacuum(in Hg): 0
Receipt Vacuum(in Hg): 4.8

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
1,3-Butadiene	ND	6.00	15.0		ND	13	33	12	2.5	5/19/25 19:15	DFH
1,3-Dichlorobenzene	53.1	6.00	15.0		320	36	90	12	2.5	5/19/25 19:15	DFH
1,4-Dichlorobenzene	ND	6.00	15.0		ND	36	90	12	2.5	5/19/25 19:15	DFH
1,4-Dioxane	ND	6.00	15.0		ND	22	54	12	2.5	5/19/25 19:15	DFH
2-Butanone (MEK)	ND	6.00	15.0		ND	18	44	12	2.5	5/19/25 19:15	DFH
2-Chlorotoluene	ND	6.00	15.0		ND	31	78	12	2.5	5/19/25 19:15	DFH
2-Hexanone (MBK)	ND	6.00	15.0		ND	25	61	12	2.5	5/19/25 19:15	DFH
4-Methyl-2-pentanone (MIBK)	ND	6.00	15.0		ND	69	170	12	2.5	5/19/25 19:15	DFH
Allyl chloride	ND	6.00	15.0		ND	19	47	12	2.5	5/19/25 19:15	DFH
Benzene	ND	6.00	6.00		ND	19	19	12	2.5	5/19/25 19:15	DFH
Benzyl Chloride	ND	6.00	15.0		ND	31	78	12	2.5	5/19/25 19:15	DFH
Bromoform	ND	6.00	15.0		ND	62	160	12	2.5	5/19/25 19:15	DFH
Bromomethane	ND	6.00	15.0		ND	23	58	12	2.5	5/19/25 19:15	DFH
Carbon Disulfide	ND	15.0	15.0		ND	47	47	12	2.5	5/19/25 19:15	DFH
Carbon Tetrachloride	ND	6.00	15.0		ND	38	94	12	2.5	5/19/25 19:15	DFH
Chlorobenzene	ND	6.00	15.0		ND	28	69	12	2.5	5/19/25 19:15	DFH
Chloroethane	ND	6.00	15.0		ND	16	40	12	2.5	5/19/25 19:15	DFH
Chloroform	ND	6.00	6.00		ND	29	29	12	2.5	5/19/25 19:15	DFH
Chloromethane	ND	6.00	15.0		ND	12	31	12	2.5	5/19/25 19:15	DFH
cis-1,2-Dichloroethylene	ND	6.00	15.0		ND	24	59	12	2.5	5/19/25 19:15	DFH
cis-1,3-Dichloropropene	ND	6.00	15.0		ND	27	68	12	2.5	5/19/25 19:15	DFH
Cyclohexane	ND	6.00	15.0		ND	21	52	12	2.5	5/19/25 19:15	DFH
Dibromochloromethane	ND	6.00	15.0		ND	51	130	12	2.5	5/19/25 19:15	DFH
Dichlorodifluoromethane	ND	15.0	15.0		ND	74	74	12	2.5	5/19/25 19:15	DFH
Ethyl acetate	ND	6.00	15.0		ND	22	54	12	2.5	5/19/25 19:15	DFH
Ethylbenzene	ND	6.00	15.0		ND	26	65	12	2.5	5/19/25 19:15	DFH
Heptane	ND	6.00	15.0		ND	25	61	12	2.5	5/19/25 19:15	DFH
Hexachlorobutadiene	ND	6.00	15.0		ND	64	160	12	2.5	5/19/25 19:15	DFH
Hexane	ND	6.00	15.0		ND	21	53	12	2.5	5/19/25 19:15	DFH

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: LFGP- 9 Project Location:

Sample ID: 25E1088-06
Sample Matrix: Air
Sampled: 5/8/2025 12:25
Sample Type: SG

Canister ID: 063-01074::50953
Canister Size: 6L
Flow Controller ID: 063-00798::20115
Flow Controller Type: Passive

Initial Vacuum(in Hg): 30
Final Vacuum(in Hg): 0
Receipt Vacuum(in Hg): 4.8

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Isopropylbenzene	ND	6.00	15.0		ND	29	74	12	2.5	5/19/25 19:15	DFH
m+p-Xylenes	ND	12.0	30.0		ND	52	130	12	2.5	5/19/25 19:15	DFH
Methyl methacrylate	ND	6.00	15.0		ND	25	61	12	2.5	5/19/25 19:15	DFH
Methylene chloride	ND	15.0	30.0		ND	52	100	12	2.5	5/19/25 19:15	DFH
Methyl-t-butyl ether (MTBE)	ND	6.00	15.0		ND	22	54	12	2.5	5/19/25 19:15	DFH
Naphthalene	ND	6.00	6.00		ND	31	31	12	2.5	5/19/25 19:15	DFH
o-Xylene	ND	6.00	15.0		ND	26	65	12	2.5	5/19/25 19:15	DFH
Propylene	ND	4.80	4.80		ND	8.3	8.3	12	2.5	5/19/25 19:15	DFH
Styrene	ND	6.00	15.0		ND	26	64	12	2.5	5/19/25 19:15	DFH
TBA	ND	15.0	15.0		ND	45	45	12	2.5	5/19/25 19:15	DFH
Tetrachloroethylene (PCE)	ND	6.00	15.0		ND	41	100	12	2.5	5/19/25 19:15	DFH
Tetrahydrofuran	ND	6.00	15.0		ND	18	44	12	2.5	5/19/25 19:15	DFH
Toluene	ND	6.00	15.0		ND	23	57	12	2.5	5/19/25 19:15	DFH
trans-1,2-Dichloroethylene	ND	6.00	15.0		ND	24	59	12	2.5	5/19/25 19:15	DFH
trans-1,3-Dichloropropene	ND	6.00	15.0		ND	27	68	12	2.5	5/19/25 19:15	DFH
Trichloroethylene	ND	6.00	6.00		ND	32	32	12	2.5	5/19/25 19:15	DFH
Trichlorofluoromethane	ND	15.0	15.0		ND	84	84	12	2.5	5/19/25 19:15	DFH
Vinyl acetate	ND	6.00	15.0		ND	21	53	12	2.5	5/19/25 19:15	DFH
Vinyl bromide	ND	6.00	15.0		ND	26	66	12	2.5	5/19/25 19:15	DFH
Vinyl chloride	ND	6.00	15.0		ND	15	38	12	2.5	5/19/25 19:15	DFH
Xylenes, Total	ND	18.0	45.0		ND	78	200	12	2.5	5/19/25 19:15	DFH

Surrogate(s)	% Recovery	% Recovery Limits	
4-Bromofluorobenzene (Surr)	96.2	80-120	5/19/25 19:15

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: LFGP- 8

Project Location:

Sample ID: 25E1088-07

Sample Matrix: Air

Sampled: 5/8/2025 12:55

Sample Type: SG

Canister ID: 063-01076::50955

Canister Size: 6L

Flow Controller ID: 063-00808::20123

Flow Controller Type: Passive

Initial Vacuum(in Hg): 30

Final Vacuum(in Hg): 7

Receipt Vacuum(in Hg): 9.4

Sulfur Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Hydrogen Sulfide, as received	ND	150	150		ND	210	210	15	1	5/20/25 23:48	DFH

Surrogate(s)	% Recovery	% Recovery Limits	
1,4-Difluorobenzene (Surr), as received	97.2	80-120	5/20/25 23:48

Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis
ASTM D1946

Analyte	Vol% Result	Vol% MDL	Vol% LOQ	Flag/Qual	Dilution	PF	Date/Time Analyzed	Analyst
Methane, as received	1.50	0.45	0.45		9	1	5/23/25 10:41	DKM

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	12.0	30.0		ND	65	160	24	2.5	5/19/25 21:26	DFH
1,1,1,2-Tetrachloroethane	ND	12.0	30.0		ND	82	210	24	2.5	5/19/25 21:26	DFH
1,1,2,2-Tetrachloroethane	ND	12.0	30.0		ND	82	210	24	2.5	5/19/25 21:26	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	12.0	30.0		ND	92	230	24	2.5	5/19/25 21:26	DFH
1,1,2-Trichloroethane	ND	12.0	30.0		ND	65	160	24	2.5	5/19/25 21:26	DFH
1,1-Dichloroethane	ND	12.0	30.0		ND	49	120	24	2.5	5/19/25 21:26	DFH
1,1-Dichloroethylene	ND	12.0	30.0		ND	48	120	24	2.5	5/19/25 21:26	DFH
1,2,4-Trimethylbenzene	ND	12.0	30.0		ND	59	150	24	2.5	5/19/25 21:26	DFH
1,2-Dibromoethane (EDB)	ND	12.0	30.0		ND	92	230	24	2.5	5/19/25 21:26	DFH
1,2-Dichlorobenzene	ND	12.0	30.0		ND	72	180	24	2.5	5/19/25 21:26	DFH
1,2-Dichloroethane	ND	12.0	30.0		ND	49	120	24	2.5	5/19/25 21:26	DFH
1,2-Dichloropropane	ND	12.0	30.0		ND	55	140	24	2.5	5/19/25 21:26	DFH
1,2-Dichlorotetrafluoroethane	ND	12.0	30.0		ND	84	210	24	2.5	5/19/25 21:26	DFH
1,3,5-Trimethylbenzene	ND	12.0	30.0		ND	59	150	24	2.5	5/19/25 21:26	DFH

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: LFGP- 8 Project Location:

Sample ID: 25E1088-07
Sample Matrix: Air
Sampled: 5/8/2025 12:55
Sample Type: SG

Canister ID: 063-01076::50955
Canister Size: 6L
Flow Controller ID: 063-00808::20123
Flow Controller Type: Passive

Initial Vacuum(in Hg): 30
Final Vacuum(in Hg): 7
Receipt Vacuum(in Hg): 9.4

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
1,3-Butadiene	ND	12.0	30.0		ND	27	66	24	2.5	5/19/25 21:26	DFH
1,3-Dichlorobenzene	240	12.0	30.0		1400	72	180	24	2.5	5/19/25 21:26	DFH
1,4-Dichlorobenzene	ND	12.0	30.0		ND	72	180	24	2.5	5/19/25 21:26	DFH
1,4-Dioxane	ND	12.0	30.0		ND	43	110	24	2.5	5/19/25 21:26	DFH
2-Butanone (MEK)	ND	12.0	30.0		ND	35	88	24	2.5	5/19/25 21:26	DFH
2-Chlorotoluene	ND	12.0	30.0		ND	62	160	24	2.5	5/19/25 21:26	DFH
2-Hexanone (MBK)	ND	12.0	30.0		ND	49	120	24	2.5	5/19/25 21:26	DFH
4-Methyl-2-pentanone (MIBK)	ND	12.0	30.0		ND	140	340	24	2.5	5/19/25 21:26	DFH
Allyl chloride	ND	12.0	30.0		ND	38	94	24	2.5	5/19/25 21:26	DFH
Benzene	ND	12.0	12.0		ND	38	38	24	2.5	5/19/25 21:26	DFH
Benzyl Chloride	ND	12.0	30.0		ND	62	160	24	2.5	5/19/25 21:26	DFH
Bromoform	ND	12.0	30.0		ND	120	310	24	2.5	5/19/25 21:26	DFH
Bromomethane	ND	12.0	30.0		ND	47	120	24	2.5	5/19/25 21:26	DFH
Carbon Disulfide	ND	30.0	30.0		ND	93	93	24	2.5	5/19/25 21:26	DFH
Carbon Tetrachloride	ND	12.0	30.0		ND	75	190	24	2.5	5/19/25 21:26	DFH
Chlorobenzene	ND	12.0	30.0		ND	55	140	24	2.5	5/19/25 21:26	DFH
Chloroethane	ND	12.0	30.0		ND	32	79	24	2.5	5/19/25 21:26	DFH
Chloroform	ND	12.0	12.0		ND	59	59	24	2.5	5/19/25 21:26	DFH
Chloromethane	ND	12.0	30.0		ND	25	62	24	2.5	5/19/25 21:26	DFH
cis-1,2-Dichloroethylene	ND	12.0	30.0		ND	48	120	24	2.5	5/19/25 21:26	DFH
cis-1,3-Dichloropropene	ND	12.0	30.0		ND	54	140	24	2.5	5/19/25 21:26	DFH
Cyclohexane	ND	12.0	30.0		ND	41	100	24	2.5	5/19/25 21:26	DFH
Dibromochloromethane	ND	12.0	30.0		ND	100	260	24	2.5	5/19/25 21:26	DFH
Dichlorodifluoromethane	ND	30.0	30.0		ND	150	150	24	2.5	5/19/25 21:26	DFH
Ethyl acetate	ND	12.0	30.0		ND	43	110	24	2.5	5/19/25 21:26	DFH
Ethylbenzene	ND	12.0	30.0		ND	52	130	24	2.5	5/19/25 21:26	DFH
Heptane	ND	12.0	30.0		ND	49	120	24	2.5	5/19/25 21:26	DFH
Hexachlorobutadiene	ND	12.0	30.0		ND	130	320	24	2.5	5/19/25 21:26	DFH
Hexane	ND	12.0	30.0		ND	42	110	24	2.5	5/19/25 21:26	DFH

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: LFGP- 8 Project Location:

Sample ID: 25E1088-07
Sample Matrix: Air
Sampled: 5/8/2025 12:55
Sample Type: SG

Canister ID: 063-01076::50955
Canister Size: 6L
Flow Controller ID: 063-00808::20123
Flow Controller Type: Passive

Initial Vacuum(in Hg): 30
Final Vacuum(in Hg): 7
Receipt Vacuum(in Hg): 9.4

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Isopropylbenzene	ND	12.0	30.0		ND	59	150	24	2.5	5/19/25 21:26	DFH
m+p-Xylenes	ND	24.0	60.0		ND	100	260	24	2.5	5/19/25 21:26	DFH
Methyl methacrylate	ND	12.0	30.0		ND	49	120	24	2.5	5/19/25 21:26	DFH
Methylene chloride	ND	30.0	60.0		ND	100	210	24	2.5	5/19/25 21:26	DFH
Methyl-t-butyl ether (MTBE)	ND	12.0	30.0		ND	43	110	24	2.5	5/19/25 21:26	DFH
Naphthalene	ND	12.0	12.0		ND	63	63	24	2.5	5/19/25 21:26	DFH
o-Xylene	ND	12.0	30.0		ND	52	130	24	2.5	5/19/25 21:26	DFH
Propylene	ND	9.60	9.60		ND	17	17	24	2.5	5/19/25 21:26	DFH
Styrene	ND	12.0	30.0		ND	51	130	24	2.5	5/19/25 21:26	DFH
TBA	ND	30.0	30.0		ND	91	91	24	2.5	5/19/25 21:26	DFH
Tetrachloroethylene (PCE)	ND	12.0	30.0		ND	81	200	24	2.5	5/19/25 21:26	DFH
Tetrahydrofuran	ND	12.0	30.0		ND	35	88	24	2.5	5/19/25 21:26	DFH
Toluene	ND	12.0	30.0		ND	45	110	24	2.5	5/19/25 21:26	DFH
trans-1,2-Dichloroethylene	ND	12.0	30.0		ND	48	120	24	2.5	5/19/25 21:26	DFH
trans-1,3-Dichloropropene	ND	12.0	30.0		ND	54	140	24	2.5	5/19/25 21:26	DFH
Trichloroethylene	ND	12.0	12.0		ND	64	64	24	2.5	5/19/25 21:26	DFH
Trichlorofluoromethane	ND	30.0	30.0		ND	170	170	24	2.5	5/19/25 21:26	DFH
Vinyl acetate	ND	12.0	30.0		ND	42	110	24	2.5	5/19/25 21:26	DFH
Vinyl bromide	ND	12.0	30.0		ND	52	130	24	2.5	5/19/25 21:26	DFH
Vinyl chloride	ND	12.0	30.0		ND	31	77	24	2.5	5/19/25 21:26	DFH
Xylenes, Total	ND	36.0	90.0		ND	160	390	24	2.5	5/19/25 21:26	DFH

Surrogate(s)	% Recovery	% Recovery Limits	
4-Bromofluorobenzene (Surr)	97.0	80-120	5/19/25 21:26

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: LFGP- 10 Project Location:

Sample ID: 25E1088-08 Canister ID: 063-01077::50956 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6L Final Vacuum(in Hg): 7

Sampled: 5/8/2025 12:50 Flow Controller ID: 063-01124::20228 Receipt Vacuum(in Hg): 10.4

Sample Type: SG Flow Controller Type: Passive

Sulfur Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Hydrogen Sulfide, as received	ND	150	150		ND	210	210	15	1	5/21/25 1:06	DFH

Surrogate(s)	% Recovery	% Recovery Limits	Date/Time Analyzed
1,4-Difluorobenzene (Surr), as received	96.2	80-120	5/21/25 1:06

Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis
ASTM D1946

Analyte	Vol% Result	Vol% MDL	Vol% LOQ	Flag/Qual	Dilution	PF	Date/Time Analyzed	Analyst
Methane, as received	ND	0.45	0.45		9	1	5/23/25 11:26	DKM

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	6.00	15.0		ND	33	82	12	2.5	5/19/25 22:53	DFH
1,1,1,2-Tetrachloroethane	ND	6.00	15.0		ND	41	100	12	2.5	5/19/25 22:53	DFH
1,1,2,2-Tetrachloroethane	ND	6.00	15.0		ND	41	100	12	2.5	5/19/25 22:53	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	6.00	15.0		ND	46	110	12	2.5	5/19/25 22:53	DFH
1,1,2-Trichloroethane	ND	6.00	15.0		ND	33	82	12	2.5	5/19/25 22:53	DFH
1,1-Dichloroethane	ND	6.00	15.0		ND	24	61	12	2.5	5/19/25 22:53	DFH
1,1-Dichloroethylene	ND	6.00	15.0		ND	24	59	12	2.5	5/19/25 22:53	DFH
1,2,4-Trimethylbenzene	ND	6.00	15.0		ND	29	74	12	2.5	5/19/25 22:53	DFH
1,2-Dibromoethane (EDB)	ND	6.00	15.0		ND	46	120	12	2.5	5/19/25 22:53	DFH
1,2-Dichlorobenzene	ND	6.00	15.0		ND	36	90	12	2.5	5/19/25 22:53	DFH
1,2-Dichloroethane	ND	6.00	15.0		ND	24	61	12	2.5	5/19/25 22:53	DFH
1,2-Dichloropropane	ND	6.00	15.0		ND	28	69	12	2.5	5/19/25 22:53	DFH
1,2-Dichlorotetrafluoroethane	ND	6.00	15.0		ND	42	100	12	2.5	5/19/25 22:53	DFH
1,3,5-Trimethylbenzene	ND	6.00	15.0		ND	29	74	12	2.5	5/19/25 22:53	DFH

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: LFGP- 10 Project Location:

Sample ID: 25E1088-08
Sample Matrix: Air
Sampled: 5/8/2025 12:50
Sample Type: SG

Canister ID: 063-01077::50956
Canister Size: 6L
Flow Controller ID: 063-01124::20228
Flow Controller Type: Passive

Initial Vacuum(in Hg): 30
Final Vacuum(in Hg): 7
Receipt Vacuum(in Hg): 10.4

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
1,3-Butadiene	ND	6.00	15.0		ND	13	33	12	2.5	5/19/25 22:53	DFH
1,3-Dichlorobenzene	120	6.00	15.0		720	36	90	12	2.5	5/19/25 22:53	DFH
1,4-Dichlorobenzene	ND	6.00	15.0		ND	36	90	12	2.5	5/19/25 22:53	DFH
1,4-Dioxane	ND	6.00	15.0		ND	22	54	12	2.5	5/19/25 22:53	DFH
2-Butanone (MEK)	6.30	6.00	15.0	J	19	18	44	12	2.5	5/19/25 22:53	DFH
2-Chlorotoluene	ND	6.00	15.0		ND	31	78	12	2.5	5/19/25 22:53	DFH
2-Hexanone (MBK)	ND	6.00	15.0		ND	25	61	12	2.5	5/19/25 22:53	DFH
4-Methyl-2-pentanone (MIBK)	ND	6.00	15.0		ND	69	170	12	2.5	5/19/25 22:53	DFH
Allyl chloride	ND	6.00	15.0		ND	19	47	12	2.5	5/19/25 22:53	DFH
Benzene	ND	6.00	6.00		ND	19	19	12	2.5	5/19/25 22:53	DFH
Benzyl Chloride	ND	6.00	15.0		ND	31	78	12	2.5	5/19/25 22:53	DFH
Bromoform	ND	6.00	15.0		ND	62	160	12	2.5	5/19/25 22:53	DFH
Bromomethane	ND	6.00	15.0		ND	23	58	12	2.5	5/19/25 22:53	DFH
Carbon Disulfide	ND	15.0	15.0		ND	47	47	12	2.5	5/19/25 22:53	DFH
Carbon Tetrachloride	ND	6.00	15.0		ND	38	94	12	2.5	5/19/25 22:53	DFH
Chlorobenzene	ND	6.00	15.0		ND	28	69	12	2.5	5/19/25 22:53	DFH
Chloroethane	ND	6.00	15.0		ND	16	40	12	2.5	5/19/25 22:53	DFH
Chloroform	ND	6.00	6.00		ND	29	29	12	2.5	5/19/25 22:53	DFH
Chloromethane	ND	6.00	15.0		ND	12	31	12	2.5	5/19/25 22:53	DFH
cis-1,2-Dichloroethylene	ND	6.00	15.0		ND	24	59	12	2.5	5/19/25 22:53	DFH
cis-1,3-Dichloropropene	ND	6.00	15.0		ND	27	68	12	2.5	5/19/25 22:53	DFH
Cyclohexane	ND	6.00	15.0		ND	21	52	12	2.5	5/19/25 22:53	DFH
Dibromochloromethane	ND	6.00	15.0		ND	51	130	12	2.5	5/19/25 22:53	DFH
Dichlorodifluoromethane	ND	15.0	15.0		ND	74	74	12	2.5	5/19/25 22:53	DFH
Ethyl acetate	ND	6.00	15.0		ND	22	54	12	2.5	5/19/25 22:53	DFH
Ethylbenzene	ND	6.00	15.0		ND	26	65	12	2.5	5/19/25 22:53	DFH
Heptane	ND	6.00	15.0		ND	25	61	12	2.5	5/19/25 22:53	DFH
Hexachlorobutadiene	ND	6.00	15.0		ND	64	160	12	2.5	5/19/25 22:53	DFH
Hexane	ND	6.00	15.0		ND	21	53	12	2.5	5/19/25 22:53	DFH

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: LFGP- 10 Project Location:

Sample ID: 25E1088-08
Sample Matrix: Air
Sampled: 5/8/2025 12:50
Sample Type: SG

Canister ID: 063-01077::50956
Canister Size: 6L
Flow Controller ID: 063-01124::20228
Flow Controller Type: Passive

Initial Vacuum(in Hg): 30
Final Vacuum(in Hg): 7
Receipt Vacuum(in Hg): 10.4

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Isopropylbenzene	ND	6.00	15.0		ND	29	74	12	2.5	5/19/25 22:53	DFH
m+p-Xylenes	ND	12.0	30.0		ND	52	130	12	2.5	5/19/25 22:53	DFH
Methyl methacrylate	ND	6.00	15.0		ND	25	61	12	2.5	5/19/25 22:53	DFH
Methylene chloride	ND	15.0	30.0		ND	52	100	12	2.5	5/19/25 22:53	DFH
Methyl-t-butyl ether (MTBE)	ND	6.00	15.0		ND	22	54	12	2.5	5/19/25 22:53	DFH
Naphthalene	ND	6.00	6.00		ND	31	31	12	2.5	5/19/25 22:53	DFH
o-Xylene	ND	6.00	15.0		ND	26	65	12	2.5	5/19/25 22:53	DFH
Propylene	ND	4.80	4.80		ND	8.3	8.3	12	2.5	5/19/25 22:53	DFH
Styrene	ND	6.00	15.0		ND	26	64	12	2.5	5/19/25 22:53	DFH
TBA	ND	15.0	15.0		ND	45	45	12	2.5	5/19/25 22:53	DFH
Tetrachloroethylene (PCE)	ND	6.00	15.0		ND	41	100	12	2.5	5/19/25 22:53	DFH
Tetrahydrofuran	ND	6.00	15.0		ND	18	44	12	2.5	5/19/25 22:53	DFH
Toluene	ND	6.00	15.0		ND	23	57	12	2.5	5/19/25 22:53	DFH
trans-1,2-Dichloroethylene	ND	6.00	15.0		ND	24	59	12	2.5	5/19/25 22:53	DFH
trans-1,3-Dichloropropene	ND	6.00	15.0		ND	27	68	12	2.5	5/19/25 22:53	DFH
Trichloroethylene	ND	6.00	6.00		ND	32	32	12	2.5	5/19/25 22:53	DFH
Trichlorofluoromethane	ND	15.0	15.0		ND	84	84	12	2.5	5/19/25 22:53	DFH
Vinyl acetate	ND	6.00	15.0		ND	21	53	12	2.5	5/19/25 22:53	DFH
Vinyl bromide	ND	6.00	15.0		ND	26	66	12	2.5	5/19/25 22:53	DFH
Vinyl chloride	ND	6.00	15.0		ND	15	38	12	2.5	5/19/25 22:53	DFH
Xylenes, Total	ND	18.0	45.0		ND	78	200	12	2.5	5/19/25 22:53	DFH

Surrogate(s)	% Recovery	% Recovery Limits	
4-Bromofluorobenzene (Surr)	98.8	80-120	5/19/25 22:53

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: LFGP- 3 Project Location:

Sample ID: 25E1088-09 Canister ID: 063-00696::48102 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6L Final Vacuum(in Hg): 5

Sampled: 5/9/2025 13:15 Flow Controller ID: 063-00405::14197 Receipt Vacuum(in Hg): 8.6

Sample Type: SG Flow Controller Type: Passive

Sulfur Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Hydrogen Sulfide, as received	ND	60.0	60.0		ND	84	84	6	1	5/21/25 14:30	DFH

Surrogate(s)	% Recovery	% Recovery Limits	Date/Time Analyzed
1,4-Difluorobenzene (Surr), as received	98.1	80-120	5/21/25 14:30

Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis
ASTM D1946

Analyte	Vol% Result	Vol% MDL	Vol% LOQ	Flag/Qual	Dilution	PF	Date/Time Analyzed	Analyst
Methane, as received	ND	0.45	0.45		9	1	5/23/25 13:05	DKM

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	3.00	7.50		ND	16	41	6	2.5	5/20/25 9:07	DFH
1,1,1,2-Tetrachloroethane	ND	3.00	7.50		ND	21	51	6	2.5	5/20/25 9:07	DFH
1,1,2,2-Tetrachloroethane	ND	3.00	7.50		ND	21	51	6	2.5	5/20/25 9:07	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	3.00	7.50		ND	23	57	6	2.5	5/20/25 9:07	DFH
1,1,2-Trichloroethane	ND	3.00	7.50		ND	16	41	6	2.5	5/20/25 9:07	DFH
1,1-Dichloroethane	ND	3.00	7.50		ND	12	30	6	2.5	5/20/25 9:07	DFH
1,1-Dichloroethylene	ND	3.00	7.50		ND	12	30	6	2.5	5/20/25 9:07	DFH
1,2,4-Trimethylbenzene	ND	3.00	7.50		ND	15	37	6	2.5	5/20/25 9:07	DFH
1,2-Dibromoethane (EDB)	ND	3.00	7.50		ND	23	58	6	2.5	5/20/25 9:07	DFH
1,2-Dichlorobenzene	ND	3.00	7.50		ND	18	45	6	2.5	5/20/25 9:07	DFH
1,2-Dichloroethane	ND	3.00	7.50		ND	12	30	6	2.5	5/20/25 9:07	DFH
1,2-Dichloropropane	ND	3.00	7.50		ND	14	35	6	2.5	5/20/25 9:07	DFH
1,2-Dichlorotetrafluoroethane	ND	3.00	7.50		ND	21	52	6	2.5	5/20/25 9:07	DFH
1,3,5-Trimethylbenzene	ND	3.00	7.50		ND	15	37	6	2.5	5/20/25 9:07	DFH

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: LFGP- 3 Project Location:

Sample ID: 25E1088-09 Canister ID: 063-00696::48102 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6L Final Vacuum(in Hg): 5

Sampled: 5/9/2025 13:15 Flow Controller ID: 063-00405::14197 Receipt Vacuum(in Hg): 8.6

Sample Type: SG Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
1,3-Butadiene	ND	3.00	7.50	C	ND	6.6	17	6	2.5	5/20/25 9:07	DFH
1,3-Dichlorobenzene	127	3.00	7.50		760	18	45	6	2.5	5/20/25 9:07	DFH
1,4-Dichlorobenzene	ND	3.00	7.50		ND	18	45	6	2.5	5/20/25 9:07	DFH
1,4-Dioxane	ND	3.00	7.50		ND	11	27	6	2.5	5/20/25 9:07	DFH
2-Butanone (MEK)	11.1	3.00	7.50		33	8.8	22	6	2.5	5/20/25 9:07	DFH
2-Chlorotoluene	ND	3.00	7.50		ND	16	39	6	2.5	5/20/25 9:07	DFH
2-Hexanone (MBK)	ND	3.00	7.50		ND	12	31	6	2.5	5/20/25 9:07	DFH
4-Methyl-2-pentanone (MIBK)	4.20	3.00	7.50	J	48	34	86	6	2.5	5/20/25 9:07	DFH
Allyl chloride	ND	3.00	7.50		ND	9.4	23	6	2.5	5/20/25 9:07	DFH
Benzene	ND	3.00	3.00		ND	9.6	9.6	6	2.5	5/20/25 9:07	DFH
Benzyl Chloride	ND	3.00	7.50		ND	16	39	6	2.5	5/20/25 9:07	DFH
Bromoform	ND	3.00	7.50		ND	31	78	6	2.5	5/20/25 9:07	DFH
Bromomethane	ND	3.00	7.50		ND	12	29	6	2.5	5/20/25 9:07	DFH
Carbon Disulfide	20.4	7.50	7.50		64	23	23	6	2.5	5/20/25 9:07	DFH
Carbon Tetrachloride	ND	3.00	7.50		ND	19	47	6	2.5	5/20/25 9:07	DFH
Chlorobenzene	ND	3.00	7.50		ND	14	35	6	2.5	5/20/25 9:07	DFH
Chloroethane	ND	3.00	7.50		ND	7.9	20	6	2.5	5/20/25 9:07	DFH
Chloroform	ND	3.00	3.00		ND	15	15	6	2.5	5/20/25 9:07	DFH
Chloromethane	ND	3.00	7.50	C	ND	6.2	15	6	2.5	5/20/25 9:07	DFH
cis-1,2-Dichloroethylene	ND	3.00	7.50		ND	12	30	6	2.5	5/20/25 9:07	DFH
cis-1,3-Dichloropropene	ND	3.00	7.50		ND	14	34	6	2.5	5/20/25 9:07	DFH
Cyclohexane	ND	3.00	7.50		ND	10	26	6	2.5	5/20/25 9:07	DFH
Dibromochloromethane	ND	3.00	7.50		ND	26	64	6	2.5	5/20/25 9:07	DFH
Dichlorodifluoromethane	ND	7.50	7.50		ND	37	37	6	2.5	5/20/25 9:07	DFH
Ethyl acetate	ND	3.00	7.50		ND	11	27	6	2.5	5/20/25 9:07	DFH
Ethylbenzene	ND	3.00	7.50		ND	13	33	6	2.5	5/20/25 9:07	DFH
Heptane	ND	3.00	7.50		ND	12	31	6	2.5	5/20/25 9:07	DFH
Hexachlorobutadiene	ND	3.00	7.50		ND	32	80	6	2.5	5/20/25 9:07	DFH
Hexane	ND	3.00	7.50		ND	11	26	6	2.5	5/20/25 9:07	DFH

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: LFGP- 3 Project Location:

Sample ID: 25E1088-09
Sample Matrix: Air
Sampled: 5/9/2025 13:15
Sample Type: SG

Canister ID: 063-00696::48102
Canister Size: 6L
Flow Controller ID: 063-00405::14197
Flow Controller Type: Passive

Initial Vacuum(in Hg): 30
Final Vacuum(in Hg): 5
Receipt Vacuum(in Hg): 8.6

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Isopropylbenzene	ND	3.00	7.50		ND	15	37	6	2.5	5/20/25 9:07	DFH
m+p-Xylenes	ND	6.00	15.0		ND	26	65	6	2.5	5/20/25 9:07	DFH
Methyl methacrylate	ND	3.00	7.50		ND	12	31	6	2.5	5/20/25 9:07	DFH
Methylene chloride	ND	7.50	15.0		ND	26	52	6	2.5	5/20/25 9:07	DFH
Methyl-t-butyl ether (MTBE)	ND	3.00	7.50		ND	11	27	6	2.5	5/20/25 9:07	DFH
Naphthalene	ND	3.00	3.00		ND	16	16	6	2.5	5/20/25 9:07	DFH
o-Xylene	ND	3.00	7.50		ND	13	33	6	2.5	5/20/25 9:07	DFH
Propylene	7.65	2.40	2.40		13	4.1	4.1	6	2.5	5/20/25 9:07	DFH
Styrene	ND	3.00	7.50		ND	13	32	6	2.5	5/20/25 9:07	DFH
TBA	ND	7.50	7.50		ND	23	23	6	2.5	5/20/25 9:07	DFH
Tetrachloroethylene (PCE)	ND	3.00	7.50		ND	20	51	6	2.5	5/20/25 9:07	DFH
Tetrahydrofuran	ND	3.00	7.50		ND	8.8	22	6	2.5	5/20/25 9:07	DFH
Toluene	ND	3.00	7.50		ND	11	28	6	2.5	5/20/25 9:07	DFH
trans-1,2-Dichloroethylene	ND	3.00	7.50		ND	12	30	6	2.5	5/20/25 9:07	DFH
trans-1,3-Dichloropropene	ND	3.00	7.50		ND	14	34	6	2.5	5/20/25 9:07	DFH
Trichloroethylene	ND	3.00	3.00		ND	16	16	6	2.5	5/20/25 9:07	DFH
Trichlorofluoromethane	ND	7.50	7.50		ND	42	42	6	2.5	5/20/25 9:07	DFH
Vinyl acetate	ND	3.00	7.50		ND	11	26	6	2.5	5/20/25 9:07	DFH
Vinyl bromide	ND	3.00	7.50		ND	13	33	6	2.5	5/20/25 9:07	DFH
Vinyl chloride	ND	3.00	7.50		ND	7.7	19	6	2.5	5/20/25 9:07	DFH
Xylenes, Total	ND	9.00	22.5		ND	39	98	6	2.5	5/20/25 9:07	DFH

Surrogate(s)	% Recovery	% Recovery Limits	
4-Bromofluorobenzene (Surr)	105	80-120	5/20/25 9:07

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: LFGP- 2

Project Location:

Sample ID: 25E1088-10

Canister ID: 063-01084::49287

Initial Vacuum(in Hg): 30

Sample Matrix: Air

Canister Size: 6L

Final Vacuum(in Hg): 5

Sampled: 5/9/2025 12:00

Flow Controller ID: 063-00407::14198

Receipt Vacuum(in Hg): 6.6

Sample Type: SG

Flow Controller Type: Passive

Sulfur Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Hydrogen Sulfide, as received	ND	60.0	60.0		ND	84	84	6	1	5/21/25 15:09	DFH

Surrogate(s)	% Recovery	% Recovery Limits	Date/Time Analyzed
1,4-Difluorobenzene (Surr), as received	100	80-120	5/21/25 15:09

Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis
ASTM D1946

Analyte	Vol% Result	Vol% MDL	Vol% LOQ	Flag/Qual	Dilution	PF	Date/Time Analyzed	Analyst
Methane, as received	ND	0.45	0.45		9	1	5/23/25 13:50	DKM

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	6.00	15.0		ND	33	82	12	2.5	5/20/25 9:50	DFH
1,1,1,2-Tetrachloroethane	ND	6.00	15.0		ND	41	100	12	2.5	5/20/25 9:50	DFH
1,1,2,2-Tetrachloroethane	ND	6.00	15.0		ND	41	100	12	2.5	5/20/25 9:50	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	6.00	15.0		ND	46	110	12	2.5	5/20/25 9:50	DFH
1,1,2-Trichloroethane	ND	6.00	15.0		ND	33	82	12	2.5	5/20/25 9:50	DFH
1,1-Dichloroethane	ND	6.00	15.0		ND	24	61	12	2.5	5/20/25 9:50	DFH
1,1-Dichloroethylene	ND	6.00	15.0		ND	24	59	12	2.5	5/20/25 9:50	DFH
1,2,4-Trimethylbenzene	ND	6.00	15.0		ND	29	74	12	2.5	5/20/25 9:50	DFH
1,2-Dibromoethane (EDB)	ND	6.00	15.0		ND	46	120	12	2.5	5/20/25 9:50	DFH
1,2-Dichlorobenzene	ND	6.00	15.0		ND	36	90	12	2.5	5/20/25 9:50	DFH
1,2-Dichloroethane	ND	6.00	15.0		ND	24	61	12	2.5	5/20/25 9:50	DFH
1,2-Dichloropropane	ND	6.00	15.0		ND	28	69	12	2.5	5/20/25 9:50	DFH
1,2-Dichlorotetrafluoroethane	ND	6.00	15.0		ND	42	100	12	2.5	5/20/25 9:50	DFH
1,3,5-Trimethylbenzene	ND	6.00	15.0		ND	29	74	12	2.5	5/20/25 9:50	DFH

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: LFGP- 2 Project Location:

Sample ID: 25E1088-10 Canister ID: 063-01084::49287 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6L Final Vacuum(in Hg): 5

Sampled: 5/9/2025 12:00 Flow Controller ID: 063-00407::14198 Receipt Vacuum(in Hg): 6.6

Sample Type: SG Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

	ppbv				ug/M³						
Analyte	**Results**	**MDL**	**LOQ**	**Flag/Qual**	**Results**	**MDL**	**LOQ**	**Dilution**	**PF**	**Date/Time Analyzed**	**Analyst**
1,3-Butadiene	ND	6.00	15.0	C	ND	13	33	12	2.5	5/20/25 9:50	DFH
1,3-Dichlorobenzene	118	6.00	15.0		710	36	90	12	2.5	5/20/25 9:50	DFH
1,4-Dichlorobenzene	ND	6.00	15.0		ND	36	90	12	2.5	5/20/25 9:50	DFH
1,4-Dioxane	ND	6.00	15.0		ND	22	54	12	2.5	5/20/25 9:50	DFH
2-Butanone (MEK)	ND	6.00	15.0		ND	18	44	12	2.5	5/20/25 9:50	DFH
2-Chlorotoluene	ND	6.00	15.0		ND	31	78	12	2.5	5/20/25 9:50	DFH
2-Hexanone (MBK)	ND	6.00	15.0		ND	25	61	12	2.5	5/20/25 9:50	DFH
4-Methyl-2-pentanone (MIBK)	ND	6.00	15.0		ND	69	170	12	2.5	5/20/25 9:50	DFH
Allyl chloride	ND	6.00	15.0		ND	19	47	12	2.5	5/20/25 9:50	DFH
Benzene	6.00	6.00	6.00		19	19	19	12	2.5	5/20/25 9:50	DFH
Benzyl Chloride	ND	6.00	15.0		ND	31	78	12	2.5	5/20/25 9:50	DFH
Bromoform	ND	6.00	15.0		ND	62	160	12	2.5	5/20/25 9:50	DFH
Bromomethane	ND	6.00	15.0		ND	23	58	12	2.5	5/20/25 9:50	DFH
Carbon Disulfide	17.1	15.0	15.0		53	47	47	12	2.5	5/20/25 9:50	DFH
Carbon Tetrachloride	ND	6.00	15.0		ND	38	94	12	2.5	5/20/25 9:50	DFH
Chlorobenzene	ND	6.00	15.0		ND	28	69	12	2.5	5/20/25 9:50	DFH
Chloroethane	ND	6.00	15.0		ND	16	40	12	2.5	5/20/25 9:50	DFH
Chloroform	ND	6.00	6.00		ND	29	29	12	2.5	5/20/25 9:50	DFH
Chloromethane	ND	6.00	15.0	C	ND	12	31	12	2.5	5/20/25 9:50	DFH
cis-1,2-Dichloroethylene	ND	6.00	15.0		ND	24	59	12	2.5	5/20/25 9:50	DFH
cis-1,3-Dichloropropene	ND	6.00	15.0		ND	27	68	12	2.5	5/20/25 9:50	DFH
Cyclohexane	7.20	6.00	15.0	J	25	21	52	12	2.5	5/20/25 9:50	DFH
Dibromochloromethane	ND	6.00	15.0		ND	51	130	12	2.5	5/20/25 9:50	DFH
Dichlorodifluoromethane	ND	15.0	15.0		ND	74	74	12	2.5	5/20/25 9:50	DFH
Ethyl acetate	ND	6.00	15.0		ND	22	54	12	2.5	5/20/25 9:50	DFH
Ethylbenzene	ND	6.00	15.0		ND	26	65	12	2.5	5/20/25 9:50	DFH
Heptane	18.6	6.00	15.0		76	25	61	12	2.5	5/20/25 9:50	DFH
Hexachlorobutadiene	ND	6.00	15.0		ND	64	160	12	2.5	5/20/25 9:50	DFH
Hexane	108	6.00	15.0		380	21	53	12	2.5	5/20/25 9:50	DFH

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: LFGP- 2 Project Location:

Sample ID: 25E1088-10 Canister ID: 063-01084::49287 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6L Final Vacuum(in Hg): 5

Sampled: 5/9/2025 12:00 Flow Controller ID: 063-00407::14198 Receipt Vacuum(in Hg): 6.6

Sample Type: SG Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Isopropylbenzene	ND	6.00	15.0		ND	29	74	12	2.5	5/20/25 9:50	DFH
m+p-Xylenes	ND	12.0	30.0		ND	52	130	12	2.5	5/20/25 9:50	DFH
Methyl methacrylate	ND	6.00	15.0		ND	25	61	12	2.5	5/20/25 9:50	DFH
Methylene chloride	ND	15.0	30.0		ND	52	100	12	2.5	5/20/25 9:50	DFH
Methyl-t-butyl ether (MTBE)	ND	6.00	15.0		ND	22	54	12	2.5	5/20/25 9:50	DFH
Naphthalene	ND	6.00	6.00		ND	31	31	12	2.5	5/20/25 9:50	DFH
o-Xylene	ND	6.00	15.0		ND	26	65	12	2.5	5/20/25 9:50	DFH
Propylene	359	4.80	4.80		620	8.3	8.3	12	2.5	5/20/25 9:50	DFH
Styrene	ND	6.00	15.0		ND	26	64	12	2.5	5/20/25 9:50	DFH
TBA	ND	15.0	15.0		ND	45	45	12	2.5	5/20/25 9:50	DFH
Tetrachloroethylene (PCE)	86.7	6.00	15.0		590	41	100	12	2.5	5/20/25 9:50	DFH
Tetrahydrofuran	ND	6.00	15.0		ND	18	44	12	2.5	5/20/25 9:50	DFH
Toluene	ND	6.00	15.0		ND	23	57	12	2.5	5/20/25 9:50	DFH
trans-1,2-Dichloroethylene	ND	6.00	15.0		ND	24	59	12	2.5	5/20/25 9:50	DFH
trans-1,3-Dichloropropene	ND	6.00	15.0		ND	27	68	12	2.5	5/20/25 9:50	DFH
Trichloroethylene	ND	6.00	6.00		ND	32	32	12	2.5	5/20/25 9:50	DFH
Trichlorofluoromethane	ND	15.0	15.0		ND	84	84	12	2.5	5/20/25 9:50	DFH
Vinyl acetate	ND	6.00	15.0		ND	21	53	12	2.5	5/20/25 9:50	DFH
Vinyl bromide	ND	6.00	15.0		ND	26	66	12	2.5	5/20/25 9:50	DFH
Vinyl chloride	ND	6.00	15.0		ND	15	38	12	2.5	5/20/25 9:50	DFH
Xylenes, Total	ND	18.0	45.0		ND	78	200	12	2.5	5/20/25 9:50	DFH

Surrogate(s)	% Recovery	% Recovery Limits	
4-Bromofluorobenzene (Surr)	105	80-120	5/20/25 9:50

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: LFGP- 1 Project Location:

Sample ID: 25E1088-11 Canister ID: 063-01020::49330 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6L Final Vacuum(in Hg): 26

Sampled: 5/9/2025 12:50 Flow Controller ID: 063-00358::16688 Receipt Vacuum(in Hg): 27.8

Sample Type: SG Flow Controller Type: Passive

Sulfur Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Hydrogen Sulfide, as received	ND	80.0	80.0		ND	110	110	8	1	5/21/25 17:11	DFH

Surrogate(s)	% Recovery	% Recovery Limits		
1,4-Difluorobenzene (Surr), as received	98.0	80-120	5/21/25 17:11	

Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis
ASTM D1946

Analyte	Vol% Result	Vol% MDL	Vol% LOQ	Flag/Qual	Dilution	PF	Date/Time Analyzed	Analyst
Methane, as received	ND	1.60	1.60		32	1	5/22/25 14:52	NSD

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	6.40	16.0		ND	35	87	12.8	2.5	5/20/25 10:37	DFH
1,1,1,2-Tetrachloroethane	ND	6.40	16.0		ND	44	110	12.8	2.5	5/20/25 10:37	DFH
1,1,2,2-Tetrachloroethane	ND	6.40	16.0		ND	44	110	12.8	2.5	5/20/25 10:37	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	6.40	16.0		ND	49	120	12.8	2.5	5/20/25 10:37	DFH
1,1,2-Trichloroethane	ND	6.40	16.0		ND	35	87	12.8	2.5	5/20/25 10:37	DFH
1,1-Dichloroethane	ND	6.40	16.0		ND	26	65	12.8	2.5	5/20/25 10:37	DFH
1,1-Dichloroethylene	ND	6.40	16.0		ND	25	63	12.8	2.5	5/20/25 10:37	DFH
1,2,4-Trimethylbenzene	ND	6.40	16.0		ND	31	79	12.8	2.5	5/20/25 10:37	DFH
1,2-Dibromoethane (EDB)	ND	6.40	16.0		ND	49	120	12.8	2.5	5/20/25 10:37	DFH
1,2-Dichlorobenzene	ND	6.40	16.0		ND	38	96	12.8	2.5	5/20/25 10:37	DFH
1,2-Dichloroethane	ND	6.40	16.0		ND	26	65	12.8	2.5	5/20/25 10:37	DFH
1,2-Dichloropropane	ND	6.40	16.0		ND	30	74	12.8	2.5	5/20/25 10:37	DFH
1,2-Dichlorotetrafluoroethane	ND	6.40	16.0		ND	45	110	12.8	2.5	5/20/25 10:37	DFH
1,3,5-Trimethylbenzene	ND	6.40	16.0		ND	31	79	12.8	2.5	5/20/25 10:37	DFH

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: LFGP- 1 Project Location:

Sample ID: 25E1088-11
Sample Matrix: Air
Sampled: 5/9/2025 12:50
Sample Type: SG

Canister ID: 063-01020::49330
Canister Size: 6L
Flow Controller ID: 063-00358::16688
Flow Controller Type: Passive

Initial Vacuum(in Hg): 30
Final Vacuum(in Hg): 26
Receipt Vacuum(in Hg): 27.8

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
1,3-Butadiene	ND	6.40	16.0	C	ND	14	35	12.8	2.5	5/20/25 10:37	DFH
1,3-Dichlorobenzene	18.9	6.40	16.0		110	38	96	12.8	2.5	5/20/25 10:37	DFH
1,4-Dichlorobenzene	ND	6.40	16.0		ND	38	96	12.8	2.5	5/20/25 10:37	DFH
1,4-Dioxane	ND	6.40	16.0		ND	23	58	12.8	2.5	5/20/25 10:37	DFH
2-Butanone (MEK)	ND	6.40	16.0		ND	19	47	12.8	2.5	5/20/25 10:37	DFH
2-Chlorotoluene	ND	6.40	16.0		ND	33	83	12.8	2.5	5/20/25 10:37	DFH
2-Hexanone (MBK)	ND	6.40	16.0		ND	26	66	12.8	2.5	5/20/25 10:37	DFH
4-Methyl-2-pentanone (MIBK)	ND	6.40	16.0		ND	73	180	12.8	2.5	5/20/25 10:37	DFH
Allyl chloride	ND	6.40	16.0		ND	20	50	12.8	2.5	5/20/25 10:37	DFH
Benzene	6.40	6.40	6.40		20	20	20	12.8	2.5	5/20/25 10:37	DFH
Benzyl Chloride	ND	6.40	16.0		ND	33	83	12.8	2.5	5/20/25 10:37	DFH
Bromoform	ND	6.40	16.0		ND	66	170	12.8	2.5	5/20/25 10:37	DFH
Bromomethane	ND	6.40	16.0		ND	25	62	12.8	2.5	5/20/25 10:37	DFH
Carbon Disulfide	ND	16.0	16.0		ND	50	50	12.8	2.5	5/20/25 10:37	DFH
Carbon Tetrachloride	ND	6.40	16.0		ND	40	100	12.8	2.5	5/20/25 10:37	DFH
Chlorobenzene	ND	6.40	16.0		ND	29	74	12.8	2.5	5/20/25 10:37	DFH
Chloroethane	ND	6.40	16.0		ND	17	42	12.8	2.5	5/20/25 10:37	DFH
Chloroform	ND	6.40	6.40		ND	31	31	12.8	2.5	5/20/25 10:37	DFH
Chloromethane	ND	6.40	16.0	C	ND	13	33	12.8	2.5	5/20/25 10:37	DFH
cis-1,2-Dichloroethylene	ND	6.40	16.0		ND	25	63	12.8	2.5	5/20/25 10:37	DFH
cis-1,3-Dichloropropene	ND	6.40	16.0		ND	29	73	12.8	2.5	5/20/25 10:37	DFH
Cyclohexane	ND	6.40	16.0		ND	22	55	12.8	2.5	5/20/25 10:37	DFH
Dibromochloromethane	ND	6.40	16.0		ND	55	140	12.8	2.5	5/20/25 10:37	DFH
Dichlorodifluoromethane	ND	16.0	16.0		ND	79	79	12.8	2.5	5/20/25 10:37	DFH
Ethyl acetate	ND	6.40	16.0		ND	23	58	12.8	2.5	5/20/25 10:37	DFH
Ethylbenzene	ND	6.40	16.0		ND	28	69	12.8	2.5	5/20/25 10:37	DFH
Heptane	ND	6.40	16.0		ND	26	66	12.8	2.5	5/20/25 10:37	DFH
Hexachlorobutadiene	ND	6.40	16.0		ND	68	170	12.8	2.5	5/20/25 10:37	DFH
Hexane	ND	6.40	16.0		ND	23	56	12.8	2.5	5/20/25 10:37	DFH

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: LFGP- 1 Project Location:

Sample ID: 25E1088-11 Canister ID: 063-01020::49330 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6L Final Vacuum(in Hg): 26

Sampled: 5/9/2025 12:50 Flow Controller ID: 063-00358::16688 Receipt Vacuum(in Hg): 27.8

Sample Type: SG Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

	ppbv				ug/M³						
Analyte	Results	MDL	LOQ	Flag/Qual	Results	MDL	LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Isopropylbenzene	ND	6.40	16.0		ND	31	79	12.8	2.5	5/20/25 10:37	DFH
m+p-Xylenes	ND	12.8	32.0		ND	56	140	12.8	2.5	5/20/25 10:37	DFH
Methyl methacrylate	ND	6.40	16.0		ND	26	66	12.8	2.5	5/20/25 10:37	DFH
Methylene chloride	ND	16.0	32.0		ND	56	110	12.8	2.5	5/20/25 10:37	DFH
Methyl-t-butyl ether (MTBE)	ND	6.40	16.0		ND	23	58	12.8	2.5	5/20/25 10:37	DFH
Naphthalene	ND	6.40	6.40		ND	34	34	12.8	2.5	5/20/25 10:37	DFH
o-Xylene	ND	6.40	16.0		ND	28	69	12.8	2.5	5/20/25 10:37	DFH
Propylene	14.7	5.12	5.12		25	8.8	8.8	12.8	2.5	5/20/25 10:37	DFH
Styrene	ND	6.40	16.0		ND	27	68	12.8	2.5	5/20/25 10:37	DFH
TBA	ND	16.0	16.0		ND	49	49	12.8	2.5	5/20/25 10:37	DFH
Tetrachloroethylene (PCE)	7.04	6.40	16.0	J	48	43	110	12.8	2.5	5/20/25 10:37	DFH
Tetrahydrofuran	ND	6.40	16.0		ND	19	47	12.8	2.5	5/20/25 10:37	DFH
Toluene	ND	6.40	16.0		ND	24	60	12.8	2.5	5/20/25 10:37	DFH
trans-1,2-Dichloroethylene	ND	6.40	16.0		ND	25	63	12.8	2.5	5/20/25 10:37	DFH
trans-1,3-Dichloropropene	ND	6.40	16.0		ND	29	73	12.8	2.5	5/20/25 10:37	DFH
Trichloroethylene	ND	6.40	6.40		ND	34	34	12.8	2.5	5/20/25 10:37	DFH
Trichlorofluoromethane	ND	16.0	16.0		ND	90	90	12.8	2.5	5/20/25 10:37	DFH
Vinyl acetate	ND	6.40	16.0		ND	23	56	12.8	2.5	5/20/25 10:37	DFH
Vinyl bromide	ND	6.40	16.0		ND	28	70	12.8	2.5	5/20/25 10:37	DFH
Vinyl chloride	ND	6.40	16.0		ND	16	41	12.8	2.5	5/20/25 10:37	DFH
Xylenes, Total	ND	19.2	48.0		ND	83	210	12.8	2.5	5/20/25 10:37	DFH

Surrogate(s)	% Recovery	% Recovery Limits	
4-Bromofluorobenzene (Surr)	103	80-120	5/20/25 10:37

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: Dup-2

Project Location:

Sample ID: 25E1088-12
Sample Matrix: Air
Sampled: 5/9/2025 12:45
Sample Type: SG

Canister ID: 063-00797::49522
Canister Size: 6L
Flow Controller ID: 063-01127::20089
Flow Controller Type: Passive

Initial Vacuum(in Hg): 30
Final Vacuum(in Hg): 6
Receipt Vacuum(in Hg): 4.6

Sulfur Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Hydrogen Sulfide, as received	ND	60.0	60.0		ND	84	84	6	1	5/21/25 18:30	DFH

Surrogate(s)	% Recovery	% Recovery Limits	
1,4-Difluorobenzene (Surr), as received	101	80-120	5/21/25 18:30

Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis
ASTM D1946

Analyte	Vol% Result	Vol% MDL	Vol% LOQ	Flag/Qual	Dilution	PF	Date/Time Analyzed	Analyst
Methane, as received	ND	0.45	0.45		9	1	5/23/25 14:35	DKM

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	6.00	15.0		ND	33	82	12	2.5	5/20/25 11:20	DFH
1,1,1,2-Tetrachloroethane	ND	6.00	15.0		ND	41	100	12	2.5	5/20/25 11:20	DFH
1,1,2,2-Tetrachloroethane	ND	6.00	15.0		ND	41	100	12	2.5	5/20/25 11:20	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	6.00	15.0		ND	46	110	12	2.5	5/20/25 11:20	DFH
1,1,2-Trichloroethane	ND	6.00	15.0		ND	33	82	12	2.5	5/20/25 11:20	DFH
1,1-Dichloroethane	ND	6.00	15.0		ND	24	61	12	2.5	5/20/25 11:20	DFH
1,1-Dichloroethylene	ND	6.00	15.0		ND	24	59	12	2.5	5/20/25 11:20	DFH
1,2,4-Trimethylbenzene	ND	6.00	15.0		ND	29	74	12	2.5	5/20/25 11:20	DFH
1,2-Dibromoethane (EDB)	ND	6.00	15.0		ND	46	120	12	2.5	5/20/25 11:20	DFH
1,2-Dichlorobenzene	ND	6.00	15.0		ND	36	90	12	2.5	5/20/25 11:20	DFH
1,2-Dichloroethane	ND	6.00	15.0		ND	24	61	12	2.5	5/20/25 11:20	DFH
1,2-Dichloropropane	ND	6.00	15.0		ND	28	69	12	2.5	5/20/25 11:20	DFH
1,2-Dichlorotetrafluoroethane	ND	6.00	15.0		ND	42	100	12	2.5	5/20/25 11:20	DFH
1,3,5-Trimethylbenzene	ND	6.00	15.0		ND	29	74	12	2.5	5/20/25 11:20	DFH

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: Dup-2 Project Location:

Sample ID: 25E1088-12 Canister ID: 063-00797::49522 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6L Final Vacuum(in Hg): 6

Sampled: 5/9/2025 12:45 Flow Controller ID: 063-01127::20089 Receipt Vacuum(in Hg): 4.6

Sample Type: SG Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
1,3-Butadiene	ND	6.00	15.0	C	ND	13	33	12	2.5	5/20/25 11:20	DFH
1,3-Dichlorobenzene	128	6.00	15.0		770	36	90	12	2.5	5/20/25 11:20	DFH
1,4-Dichlorobenzene	ND	6.00	15.0		ND	36	90	12	2.5	5/20/25 11:20	DFH
1,4-Dioxane	ND	6.00	15.0		ND	22	54	12	2.5	5/20/25 11:20	DFH
2-Butanone (MEK)	ND	6.00	15.0		ND	18	44	12	2.5	5/20/25 11:20	DFH
2-Chlorotoluene	ND	6.00	15.0		ND	31	78	12	2.5	5/20/25 11:20	DFH
2-Hexanone (MBK)	ND	6.00	15.0		ND	25	61	12	2.5	5/20/25 11:20	DFH
4-Methyl-2-pentanone (MIBK)	ND	6.00	15.0		ND	69	170	12	2.5	5/20/25 11:20	DFH
Allyl chloride	ND	6.00	15.0		ND	19	47	12	2.5	5/20/25 11:20	DFH
Benzene	7.80	6.00	6.00		25	19	19	12	2.5	5/20/25 11:20	DFH
Benzyl Chloride	ND	6.00	15.0		ND	31	78	12	2.5	5/20/25 11:20	DFH
Bromoform	ND	6.00	15.0		ND	62	160	12	2.5	5/20/25 11:20	DFH
Bromomethane	ND	6.00	15.0		ND	23	58	12	2.5	5/20/25 11:20	DFH
Carbon Disulfide	16.5	15.0	15.0		51	47	47	12	2.5	5/20/25 11:20	DFH
Carbon Tetrachloride	ND	6.00	15.0		ND	38	94	12	2.5	5/20/25 11:20	DFH
Chlorobenzene	ND	6.00	15.0		ND	28	69	12	2.5	5/20/25 11:20	DFH
Chloroethane	ND	6.00	15.0		ND	16	40	12	2.5	5/20/25 11:20	DFH
Chloroform	ND	6.00	6.00		ND	29	29	12	2.5	5/20/25 11:20	DFH
Chloromethane	ND	6.00	15.0	C	ND	12	31	12	2.5	5/20/25 11:20	DFH
cis-1,2-Dichloroethylene	ND	6.00	15.0		ND	24	59	12	2.5	5/20/25 11:20	DFH
cis-1,3-Dichloropropene	ND	6.00	15.0		ND	27	68	12	2.5	5/20/25 11:20	DFH
Cyclohexane	9.30	6.00	15.0	J	32	21	52	12	2.5	5/20/25 11:20	DFH
Dibromochloromethane	ND	6.00	15.0		ND	51	130	12	2.5	5/20/25 11:20	DFH
Dichlorodifluoromethane	ND	15.0	15.0		ND	74	74	12	2.5	5/20/25 11:20	DFH
Ethyl acetate	ND	6.00	15.0		ND	22	54	12	2.5	5/20/25 11:20	DFH
Ethylbenzene	ND	6.00	15.0		ND	26	65	12	2.5	5/20/25 11:20	DFH
Heptane	23.4	6.00	15.0		96	25	61	12	2.5	5/20/25 11:20	DFH
Hexachlorobutadiene	ND	6.00	15.0		ND	64	160	12	2.5	5/20/25 11:20	DFH
Hexane	136	6.00	15.0		480	21	53	12	2.5	5/20/25 11:20	DFH

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: Dup-2 Project Location:

Sample ID: 25E1088-12 Canister ID: 063-00797::49522 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6L Final Vacuum(in Hg): 6

Sampled: 5/9/2025 12:45 Flow Controller ID: 063-01127::20089 Receipt Vacuum(in Hg): 4.6

Sample Type: SG Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Isopropylbenzene	ND	6.00	15.0		ND	29	74	12	2.5	5/20/25 11:20	DFH
m+p-Xylenes	ND	12.0	30.0		ND	52	130	12	2.5	5/20/25 11:20	DFH
Methyl methacrylate	ND	6.00	15.0		ND	25	61	12	2.5	5/20/25 11:20	DFH
Methylene chloride	49.5	15.0	30.0		170	52	100	12	2.5	5/20/25 11:20	DFH
Methyl-t-butyl ether (MTBE)	ND	6.00	15.0		ND	22	54	12	2.5	5/20/25 11:20	DFH
Naphthalene	ND	6.00	6.00		ND	31	31	12	2.5	5/20/25 11:20	DFH
o-Xylene	ND	6.00	15.0		ND	26	65	12	2.5	5/20/25 11:20	DFH
Propylene	468	9.60	9.60		810	17	17	24	2.5	5/20/25 12:04	DFH
Styrene	ND	6.00	15.0		ND	26	64	12	2.5	5/20/25 11:20	DFH
TBA	ND	15.0	15.0		ND	45	45	12	2.5	5/20/25 11:20	DFH
Tetrachloroethylene (PCE)	124	6.00	15.0		840	41	100	12	2.5	5/20/25 11:20	DFH
Tetrahydrofuran	ND	6.00	15.0		ND	18	44	12	2.5	5/20/25 11:20	DFH
Toluene	ND	6.00	15.0		ND	23	57	12	2.5	5/20/25 11:20	DFH
trans-1,2-Dichloroethylene	ND	6.00	15.0		ND	24	59	12	2.5	5/20/25 11:20	DFH
trans-1,3-Dichloropropene	ND	6.00	15.0		ND	27	68	12	2.5	5/20/25 11:20	DFH
Trichloroethylene	ND	6.00	6.00		ND	32	32	12	2.5	5/20/25 11:20	DFH
Trichlorofluoromethane	ND	15.0	15.0		ND	84	84	12	2.5	5/20/25 11:20	DFH
Vinyl acetate	ND	6.00	15.0		ND	21	53	12	2.5	5/20/25 11:20	DFH
Vinyl bromide	ND	6.00	15.0		ND	26	66	12	2.5	5/20/25 11:20	DFH
Vinyl chloride	ND	6.00	15.0		ND	15	38	12	2.5	5/20/25 11:20	DFH
Xylenes, Total	ND	18.0	45.0		ND	78	200	12	2.5	5/20/25 11:20	DFH

Surrogate(s)	% Recovery	% Recovery Limits	
4-Bromofluorobenzene (Surr)	103	80-120	5/20/25 12:04
4-Bromofluorobenzene (Surr)	107	80-120	5/20/25 11:20

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name: S&ME - Raleigh
3201 Spring Forest Road

Raleigh, NC 27616

Date Received: May 14, 2025 8:00
Date Issued: May 28, 2025 16:56

Submitted To: Jerry Paul

Project Number: 2205630 Phase Y

Client Site I.D.: East End Park Project

Purchase Order:

Analytical Summary

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Sulfur Volatile Organic Compounds by GCMS			**Preparation Method:**	**No Prep VOC Air**	
25E1088-01	100 mL / 100 mL	EPA TO-15	BIE0526	SIE0856	AD50170
25E1088-02	100 mL / 100 mL	EPA TO-15	BIE0526	SIE0856	AD50170
25E1088-03	100 mL / 100 mL	EPA TO-15	BIE0526	SIE0856	AD50170
25E1088-04	100 mL / 100 mL	EPA TO-15	BIE0526	SIE0856	AD50170
25E1088-05	100 mL / 100 mL	EPA TO-15	BIE0526	SIE0856	AD50170
25E1088-06	100 mL / 100 mL	EPA TO-15	BIE0526	SIE0856	AD50170
25E1088-07	100 mL / 100 mL	EPA TO-15	BIE0526	SIE0856	AD50170
25E1088-08	100 mL / 100 mL	EPA TO-15	BIE0526	SIE0856	AD50170
25E1088-09	100 mL / 100 mL	EPA TO-15	BIE1023	SIE0893	AD50170
25E1088-10	100 mL / 100 mL	EPA TO-15	BIE1023	SIE0893	AD50170
25E1088-11	100 mL / 100 mL	EPA TO-15	BIE1023	SIE0893	AD50170
25E1088-12	100 mL / 100 mL	EPA TO-15	BIE1023	SIE0893	AD50170

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis			**Preparation Method:**	**No Prep VOC GC Air**	
25E1088-01	1.00 mL / 1.00 mL	ASTM D1946	BIE1178	SIE1035	AD50190
25E1088-02	1.00 mL / 1.00 mL	ASTM D1946	BIE1178	SIE1035	AD50190
25E1088-03	1.00 mL / 1.00 mL	ASTM D1946	BIE1178	SIE1035	AD50190
25E1088-04	1.00 mL / 1.00 mL	ASTM D1946	BIE1178	SIE1035	AD50190
25E1088-05	1.00 mL / 1.00 mL	ASTM D1946	BIE1178	SIE1035	AD50190
25E1088-06	1.00 mL / 1.00 mL	ASTM D1946	BIE1178	SIE1035	AD50190
25E1088-11	1.00 mL / 1.00 mL	ASTM D1946	BIE1178	SIE1035	AD50190
25E1088-07	1.00 mL / 1.00 mL	ASTM D1946	BIE1332	SIE1134	AD50190
25E1088-08	1.00 mL / 1.00 mL	ASTM D1946	BIE1332	SIE1134	AD50190
25E1088-09	1.00 mL / 1.00 mL	ASTM D1946	BIE1332	SIE1134	AD50190
25E1088-10	1.00 mL / 1.00 mL	ASTM D1946	BIE1332	SIE1134	AD50190
25E1088-12	1.00 mL / 1.00 mL	ASTM D1946	BIE1332	SIE1134	AD50190

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Volatile Organic Compounds by GCMS			**Preparation Method:**	**No Prep VOC Air**	
25E1088-01	160 mL / 400 mL	EPA TO-15	BIE0894	SIE0776	AB50218
25E1088-02	160 mL / 400 mL	EPA TO-15	BIE0894	SIE0776	AB50218
25E1088-03	160 mL / 400 mL	EPA TO-15	BIE0894	SIE0776	AB50218
25E1088-04	160 mL / 400 mL	EPA TO-15	BIE0894	SIE0776	AB50218

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Volatile Organic Compounds by GCMS			**Preparation Method:**	**No Prep VOC Air**	
25E1088-05	160 mL / 400 mL	EPA TO-15	BIE0894	SIE0776	AB50218
25E1088-06	160 mL / 400 mL	EPA TO-15	BIE0894	SIE0776	AB50218
25E1088-07	160 mL / 400 mL	EPA TO-15	BIE0894	SIE0776	AB50218
25E1088-08	160 mL / 400 mL	EPA TO-15	BIE0894	SIE0776	AB50218
25E1088-09	160 mL / 400 mL	EPA TO-15	BIE0894	SIE0776	AB50218
25E1088-10	160 mL / 400 mL	EPA TO-15	BIE0894	SIE0776	AB50218
25E1088-11	160 mL / 400 mL	EPA TO-15	BIE0894	SIE0776	AB50218
25E1088-12	160 mL / 400 mL	EPA TO-15	BIE0894	SIE0776	AB50218
25E1088-12RE1	160 mL / 400 mL	EPA TO-15	BIE0894	SIE0776	AB50218

1941 Reymet Road • Richmond, Virginia 23237 • Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result		Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BIE0894 - No Prep VOC Air											
Blank (BIE0894-BLK1)					Prepared & Analyzed: 05/19/2025						
1,1,1-Trichloroethane		<	1.25	ppbv							
1,1,1,2-Tetrachloroethane		<	1.25	ppbv							
1,1,2,2-Tetrachloroethane		<	1.25	ppbv							
1,1,2-Trichloro-1,2,2-trifluoroethane		<	1.25	ppbv							
1,1,2-Trichloroethane		<	1.25	ppbv							
1,1-Dichloroethane		<	1.25	ppbv							
1,1-Dichloroethylene		<	1.25	ppbv							
1,2,4-Trimethylbenzene		<	1.25	ppbv							
1,2-Dibromoethane (EDB)		<	1.25	ppbv							
1,2-Dichlorobenzene		<	1.25	ppbv							
1,2-Dichloroethane		<	1.25	ppbv							
1,2-Dichloropropane		<	1.25	ppbv							
1,2-Dichlorotetrafluoroethane		<	1.25	ppbv							
1,3,5-Trimethylbenzene		<	1.25	ppbv							
1,3-Butadiene		<	1.25	ppbv							
1,3-Dichlorobenzene		<	1.25	ppbv							
1,4-Dichlorobenzene		<	1.25	ppbv							
1,4-Dioxane		<	1.25	ppbv							
2-Butanone (MEK)		<	1.25	ppbv							
2-Chlorotoluene		<	1.25	ppbv							
2-Hexanone (MBK)		<	1.25	ppbv							
4-Methyl-2-pentanone (MIBK)		<	1.25	ppbv							
Allyl chloride		<	1.25	ppbv							
Benzene		<	0.50	ppbv							
Benzyl Chloride		<	1.25	ppbv							
Bromoform		<	1.25	ppbv							
Bromomethane		<	1.25	ppbv							
Carbon Disulfide		<	1.25	ppbv							
Carbon Tetrachloride		<	1.25	ppbv							
Chlorobenzene		<	1.25	ppbv							
Chloroethane		<	1.25	ppbv							

1941 Reymet Road • Richmond, Virginia 23237 • Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result		Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BIE0894 - No Prep VOC Air											
Blank (BIE0894-BLK1)					Prepared & Analyzed: 05/19/2025						
Chloroform		<	0.50	ppbv							
Chloromethane		<	1.25	ppbv							
cis-1,2-Dichloroethylene		<	1.25	ppbv							
cis-1,3-Dichloropropene		<	1.25	ppbv							
Cyclohexane		<	1.25	ppbv							
Dibromochloromethane		<	1.25	ppbv							
Dichlorodifluoromethane		<	1.25	ppbv							
Ethyl acetate		<	1.25	ppbv							
Ethylbenzene		<	1.25	ppbv							
Heptane		<	1.25	ppbv							
Hexachlorobutadiene		<	1.25	ppbv							
Hexane		<	1.25	ppbv							
Isopropylbenzene		<	1.25	ppbv							
m+p-Xylenes		<	2.50	ppbv							
Methyl methacrylate		<	1.25	ppbv							
Methylene chloride		<	2.50	ppbv							
Methyl-t-butyl ether (MTBE)		<	1.25	ppbv							
Naphthalene		<	0.50	ppbv							
o-Xylene		<	1.25	ppbv							
Propylene		<	0.40	ppbv							
Styrene		<	1.25	ppbv							
TBA		<	1.25	ppbv							
Tetrachloroethylene (PCE)		<	1.25	ppbv							
Tetrahydrofuran		<	1.25	ppbv							
Toluene		<	1.25	ppbv							
trans-1,2-Dichloroethylene		<	1.25	ppbv							
trans-1,3-Dichloropropene		<	1.25	ppbv							
Trichloroethylene		<	0.50	ppbv							
Trichlorofluoromethane		<	1.25	ppbv							
Vinyl acetate		<	1.25	ppbv							
Vinyl bromide		<	1.25	ppbv							
Vinyl chloride		<	1.25	ppbv							
Xylenes, Total		<	3.75	ppbv							

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BIE0894 - No Prep VOC Air										
Blank (BIE0894-BLK1)				Prepared & Analyzed: 05/19/2025						
Surr: 4-Bromofluorobenzene (Surr)	*4.58*		ppbv	*5.00*		*91.6*	*80-120*			
LCS (BIE0894-BS1)				Prepared & Analyzed: 05/19/2025						
1,1,1-Trichloroethane	5.32		ppbv	5.00		106	70-130			
1,1,1,2-Tetrachloroethane	5.44		ppbv	5.00		109	70-130			
1,1,2,2-Tetrachloroethane	5.26		ppbv	5.00		105	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane	5.25		ppbv	5.00		105	70-130			
1,1,2-Trichloroethane	5.28		ppbv	5.00		106	70-130			
1,1-Dichloroethane	5.70		ppbv	5.00		114	70-130			
1,1-Dichloroethylene	5.84		ppbv	5.00		117	70-130			
1,2,4-Trimethylbenzene	5.28		ppbv	5.00		106	70-130			
1,2-Dibromoethane (EDB)	5.16		ppbv	5.00		103	70-130			
1,2-Dichlorobenzene	4.89		ppbv	5.00		97.8	70-130			
1,2-Dichloroethane	5.26		ppbv	5.00		105	70-130			
1,2-Dichloropropane	5.63		ppbv	5.00		113	70-130			
1,2-Dichlorotetrafluoroethane	5.04		ppbv	5.00		101	70-130			
1,3,5-Trimethylbenzene	5.20		ppbv	5.00		104	70-130			
1,3-Butadiene	4.35		ppbv	5.00		87.0	70-130			
1,3-Dichlorobenzene	4.80		ppbv	5.00		96.0	70-130			
1,4-Dichlorobenzene	4.67		ppbv	5.00		93.4	70-130			
1,4-Dioxane	5.22		ppbv	5.00		104	70-130			
2-Butanone (MEK)	5.08		ppbv	5.00		102	70-130			
2-Chlorotoluene	5.34		ppbv	5.00		107	70-130			
2-Hexanone (MBK)	5.55		ppbv	5.00		111	70-130			
4-Methyl-2-pentanone (MIBK)	5.28		ppbv	5.00		106	70-130			
Allyl chloride	5.63		ppbv	5.00		113	70-130			
Benzene	5.58		ppbv	5.00		112	70-130			
Benzyl Chloride	4.80		ppbv	5.00		96.0	70-130			
Bromoform	5.14		ppbv	5.00		103	70-130			
Bromomethane	3.95		ppbv	5.00		79.0	70-130			
Carbon Disulfide	5.48		ppbv	5.00		110	70-130			
Carbon Tetrachloride	5.30		ppbv	5.00		106	70-130			
Chlorobenzene	5.23		ppbv	5.00		105	70-130			

ENTHALPY ANALYTICAL

1941 Reymet Road • Richmond, Virginia 23237 • Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BIE0894 - No Prep VOC Air										
LCS (BIE0894-BS1)				Prepared & Analyzed: 05/19/2025						
Chloroethane	3.67		ppbv	5.00		73.4	70-130			
Chloroform	5.44		ppbv	5.00		109	70-130			
Chloromethane	4.76		ppbv	5.00		95.2	70-130			
cis-1,2-Dichloroethylene	5.39		ppbv	5.00		108	70-130			
cis-1,3-Dichloropropene	5.46		ppbv	5.00		109	70-130			
Cyclohexane	5.25		ppbv	5.00		105	70-130			
Dibromochloromethane	5.24		ppbv	5.00		105	70-130			
Dichlorodifluoromethane	4.63		ppbv	5.00		92.6	70-130			
Ethyl acetate	5.50		ppbv	5.00		110	70-130			
Ethylbenzene	5.51		ppbv	5.00		110	70-130			
Heptane	5.88		ppbv	5.00		118	70-130			
Hexachlorobutadiene	4.53		ppbv	5.00		90.6	60-140			
Hexane	5.94		ppbv	5.00		119	70-130			
Isopropylbenzene	5.24		ppbv	5.00		105	70-130			
m+p-Xylenes	10.7		ppbv	10.0		107	70-130			
Methyl methacrylate	5.42		ppbv	5.00		108	70-130			
Methylene chloride	5.84		ppbv	5.00		117	70-130			
Methyl-t-butyl ether (MTBE)	5.57		ppbv	5.00		111	70-130			
Naphthalene	3.76		ppbv	5.00		75.2	60-140			
o-Xylene	5.30		ppbv	5.00		106	70-130			
Propylene	6.34		ppbv	5.00		127	70-130			
Styrene	5.28		ppbv	5.00		106	70-130			
TBA	5.15		ppbv	5.00		103	70-130			
Tetrachloroethylene (PCE)	5.22		ppbv	5.00		104	70-130			
Tetrahydrofuran	5.87		ppbv	5.00		117	70-130			
Toluene	5.31		ppbv	5.00		106	70-130			
trans-1,2-Dichloroethylene	5.38		ppbv	5.00		108	70-130			
trans-1,3-Dichloropropene	5.46		ppbv	5.00		109	70-130			
Trichloroethylene	5.21		ppbv	5.00		104	70-130			
Trichlorofluoromethane	4.49		ppbv	5.00		89.8	70-130			
Vinyl acetate	5.63		ppbv	5.00		113	70-130			
Vinyl bromide	4.58		ppbv	5.00		91.6	70-130			
Vinyl chloride	4.81		ppbv	5.00		96.2	70-130			

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BIE0894 - No Prep VOC Air										
LCS (BIE0894-BS1)					Prepared & Analyzed: 05/19/2025					
Surr: 4-Bromofluorobenzene (Surr)	*4.87*		ppbv	*5.00*		*97.4*	*70-130*			
LCS Dup (BIE0894-BSD1)					Prepared & Analyzed: 05/19/2025					
1,1,1-Trichloroethane	5.34		ppbv	5.00		107	70-130	0.375	25	
1,1,1,2-Tetrachloroethane	5.41		ppbv	5.00		108	70-130	0.553	25	
1,1,2,2-Tetrachloroethane	5.20		ppbv	5.00		104	70-130	1.15	25	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.25		ppbv	5.00		105	70-130	0.00	25	
1,1,2-Trichloroethane	5.29		ppbv	5.00		106	70-130	0.189	25	
1,1-Dichloroethane	5.67		ppbv	5.00		113	70-130	0.528	25	
1,1-Dichloroethylene	5.80		ppbv	5.00		116	70-130	0.687	25	
1,2,4-Trimethylbenzene	5.27		ppbv	5.00		105	70-130	0.190	25	
1,2-Dibromoethane (EDB)	5.12		ppbv	5.00		102	70-130	0.778	25	
1,2-Dichlorobenzene	4.93		ppbv	5.00		98.6	70-130	0.815	25	
1,2-Dichloroethane	5.24		ppbv	5.00		105	70-130	0.381	25	
1,2-Dichloropropane	5.58		ppbv	5.00		112	70-130	0.892	25	
1,2-Dichlorotetrafluoroethane	4.89		ppbv	5.00		97.8	70-130	3.02	25	
1,3,5-Trimethylbenzene	5.24		ppbv	5.00		105	70-130	0.766	25	
1,3-Butadiene	4.26		ppbv	5.00		85.2	70-130	2.09	25	
1,3-Dichlorobenzene	4.78		ppbv	5.00		95.6	70-130	0.418	25	
1,4-Dichlorobenzene	4.64		ppbv	5.00		92.8	70-130	0.644	25	
1,4-Dioxane	5.35		ppbv	5.00		107	70-130	2.46	25	
2-Butanone (MEK)	5.05		ppbv	5.00		101	70-130	0.592	25	
2-Chlorotoluene	5.27		ppbv	5.00		105	70-130	1.32	25	
2-Hexanone (MBK)	5.59		ppbv	5.00		112	70-130	0.718	25	
4-Methyl-2-pentanone (MIBK)	5.36		ppbv	5.00		107	70-130	1.50	25	
Allyl chloride	5.45		ppbv	5.00		109	70-130	3.25	25	
Benzene	5.47		ppbv	5.00		109	70-130	1.99	25	
Benzyl Chloride	4.79		ppbv	5.00		95.8	70-130	0.209	25	
Bromoform	5.10		ppbv	5.00		102	70-130	0.781	25	
Bromomethane	4.11		ppbv	5.00		82.2	70-130	3.97	25	
Carbon Disulfide	5.43		ppbv	5.00		109	70-130	0.917	25	
Carbon Tetrachloride	5.24		ppbv	5.00		105	70-130	1.14	25	
Chlorobenzene	5.24		ppbv	5.00		105	70-130	0.191	25	

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BIE0894 - No Prep VOC Air										
LCS Dup (BIE0894-BSD1)				Prepared & Analyzed: 05/19/2025						
Chloroethane	3.80		ppbv	5.00		76.0	70-130	3.48	25	
Chloroform	5.40		ppbv	5.00		108	70-130	0.738	25	
Chloromethane	4.58		ppbv	5.00		91.6	70-130	3.85	25	
cis-1,2-Dichloroethylene	5.34		ppbv	5.00		107	70-130	0.932	25	
cis-1,3-Dichloropropene	5.47		ppbv	5.00		109	70-130	0.183	25	
Cyclohexane	5.17		ppbv	5.00		103	70-130	1.54	25	
Dibromochloromethane	5.26		ppbv	5.00		105	70-130	0.381	25	
Dichlorodifluoromethane	4.34		ppbv	5.00		86.8	70-130	6.47	25	
Ethyl acetate	5.71		ppbv	5.00		114	70-130	3.75	25	
Ethylbenzene	5.44		ppbv	5.00		109	70-130	1.28	25	
Heptane	5.85		ppbv	5.00		117	70-130	0.512	25	
Hexachlorobutadiene	4.52		ppbv	5.00		90.4	60-140	0.221	25	
Hexane	5.88		ppbv	5.00		118	70-130	1.02	25	
Isopropylbenzene	5.17		ppbv	5.00		103	70-130	1.34	25	
m+p-Xylenes	10.6		ppbv	10.0		106	70-130	1.22	25	
Methyl methacrylate	5.43		ppbv	5.00		109	70-130	0.184	25	
Methylene chloride	5.78		ppbv	5.00		116	70-130	1.03	25	
Methyl-t-butyl ether (MTBE)	5.50		ppbv	5.00		110	70-130	1.26	25	
Naphthalene	3.85		ppbv	5.00		77.0	60-140	2.37	25	
o-Xylene	5.20		ppbv	5.00		104	70-130	1.90	25	
Propylene	5.61		ppbv	5.00		112	70-130	12.2	25	
Styrene	5.17		ppbv	5.00		103	70-130	2.11	25	
TBA	5.01		ppbv	5.00		100	70-130	2.76	25	
Tetrachloroethylene (PCE)	5.23		ppbv	5.00		105	70-130	0.191	25	
Tetrahydrofuran	5.89		ppbv	5.00		118	70-130	0.340	25	
Toluene	5.31		ppbv	5.00		106	70-130	0.00	25	
trans-1,2-Dichloroethylene	5.38		ppbv	5.00		108	70-130	0.00	25	
trans-1,3-Dichloropropene	5.41		ppbv	5.00		108	70-130	0.920	25	
Trichloroethylene	5.25		ppbv	5.00		105	70-130	0.765	25	
Trichlorofluoromethane	4.16		ppbv	5.00		83.2	70-130	7.63	25	
Vinyl acetate	5.57		ppbv	5.00		111	70-130	1.07	25	
Vinyl bromide	4.73		ppbv	5.00		94.6	70-130	3.22	25	
Vinyl chloride	4.65		ppbv	5.00		93.0	70-130	3.38	25	

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BIE0894 - No Prep VOC Air										
LCS Dup (BIE0894-BSD1)				Prepared & Analyzed: 05/19/2025						
Surr: 4-Bromofluorobenzene (Surr)	*4.83*		ppbv	*5.00*		*96.6*	*70-130*			

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name: S&ME - Raleigh
3201 Spring Forest Road

Raleigh, NC 27616

Date Received: May 14, 2025 8:00
Date Issued: May 28, 2025 16:56

Submitted To: Jerry Paul

Project Number: 2205630 Phase Y

Client Site I.D.: East End Park Project

Purchase Order:

Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis - Quality Control

Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BIE1178 - No Prep VOC GC Air										
Blank (BIE1178-BLK1)					Prepared & Analyzed: 05/22/2025					
Methane	<	0.05	Vol%							
LCS (BIE1178-BS1)					Prepared & Analyzed: 05/22/2025					
Methane	10100		ppmv	10100		100	70-130			
Carbon dioxide	9660		ppmv	10000		96.6	70-130			
Oxygen (O2)	1960		ppmv	2010		97.3	70-130			
Hydrogen (H2)	591		ppmv	500		118	70-130			
Nitrogen (N2)	4740		ppmv	5050		93.8	70-130			
Carbon Monoxide	512		ppmv	500		102	70-130			
Duplicate (BIE1178-DUP1)			**Source: 25E1088-01**		Prepared & Analyzed: 05/22/2025					
Methane	8.31	0.45	Vol%		8.31			0.0323	5	
Carbon dioxide	8.04	0.45	Vol%		8.00			0.579	5	
Oxygen (O2)	0.59	0.45	Vol%		0.62			3.37	5	
Hydrogen (H2)	<	0.18	Vol%		<0.18			NA	5	
Nitrogen (N2)	79.4	9.00	Vol%		79.4			0.0564	5	
Carbon Monoxide	<	0.009	Vol%		<0.009			NA	5	
Duplicate (BIE1178-DUP2)			**Source: 25E1088-02**		Prepared & Analyzed: 05/22/2025					
Methane	<	0.45	Vol%		<0.45			NA	5	
Carbon dioxide	9.85	0.45	Vol%		9.80			0.533	5	
Oxygen (O2)	3.71	0.45	Vol%		3.83			3.31	5	
Nitrogen (N2)	80.9	9.00	Vol%		81.1			0.332	5	
Hydrogen (H2)	<	0.18	Vol%		<0.18			NA	5	
Carbon Monoxide	<	0.009	Vol%		<0.009			NA	5	
Duplicate (BIE1178-DUP3)			**Source: 25E1088-03**		Prepared & Analyzed: 05/22/2025					
Methane	<	0.45	Vol%		<0.45			NA	5	
Carbon dioxide	7.45	0.45	Vol%		7.42			0.344	5	
Oxygen (O2)	12.1	0.45	Vol%		12.0			0.181	5	
Hydrogen (H2)	<	0.18	Vol%		<0.18			NA	5	
Nitrogen (N2)	74.7	9.00	Vol%		74.8			0.132	5	
Carbon Monoxide	<	0.009	Vol%		<0.009			NA	5	

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis - Quality Control

Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BIE1178 - No Prep VOC GC Air										
Duplicate (BIE1178-DUP4)				**Source: 25E1088-04**	Prepared & Analyzed: 05/22/2025					
Methane	<	0.45	Vol%		<0.45			NA	5	
Carbon dioxide	7.57	0.45	Vol%		7.54			0.377	5	
Oxygen (O2)	12.2	0.45	Vol%		12.2			0.585	5	
Hydrogen (H2)	<	0.18	Vol%		<0.18			NA	5	
Nitrogen (N2)	75.4	9.00	Vol%		75.5			0.179	5	
Carbon Monoxide	<	0.009	Vol%		<0.009			NA	5	
Duplicate (BIE1178-DUP5)				**Source: 25E1088-05**	Prepared & Analyzed: 05/22/2025					
Methane	<	0.45	Vol%		<0.45			NA	5	
Carbon dioxide	4.44	0.45	Vol%		4.43			0.209	5	
Oxygen (O2)	19.6	0.45	Vol%		19.5			0.230	5	
Hydrogen (H2)	<	0.18	Vol%		<0.18			NA	5	
Nitrogen (N2)	77.5	9.00	Vol%		77.3			0.242	5	
Carbon Monoxide	<	0.009	Vol%		<0.009			NA	5	
Duplicate (BIE1178-DUP6)				**Source: 25E1088-06**	Prepared & Analyzed: 05/22/2025					
Methane	<	0.45	Vol%		<0.45			NA	5	
Carbon dioxide	2.23	0.45	Vol%		2.23			0.0402	5	
Oxygen (O2)	17.7	0.45	Vol%		17.7			0.0474	5	
Hydrogen (H2)	<	0.18	Vol%		<0.18			NA	5	
Nitrogen (N2)	76.0	9.00	Vol%		75.9			0.0403	5	
Carbon Monoxide	<	0.009	Vol%		<0.009			NA	5	
Duplicate (BIE1178-DUP7)				**Source: 25E1088-11**	Prepared & Analyzed: 05/22/2025					
Methane	<	1.60	Vol%		<1.60			NA	5	
Carbon dioxide	2.03	1.60	Vol%		2.02			0.776	5	
Oxygen (O2)	22.2	1.60	Vol%		22.6			1.61	5	
Hydrogen (H2)	<	0.64	Vol%		<0.64			NA	5	
Nitrogen (N2)	107	32.0	Vol%		107			0.579	5	
Carbon Monoxide	<	0.03	Vol%		<0.03			NA	5	

ENTHALPY ANALYTICAL

1941 Reymet Road • Richmond, Virginia 23237 • Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name: S&ME - Raleigh
3201 Spring Forest Road

Raleigh, NC 27616

Date Received: May 14, 2025 8:00
Date Issued: May 28, 2025 16:56

Submitted To: Jerry Paul

Project Number: 2205630 Phase Y

Client Site I.D.: East End Park Project

Purchase Order:

Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis - Quality Control

Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BIE1332 - No Prep VOC GC Air										
Blank (BIE1332-BLK1)					Prepared & Analyzed: 05/23/2025					
Methane	<	0.05	Vol%							
LCS (BIE1332-BS1)					Prepared & Analyzed: 05/23/2025					
Methane	10200		ppmv	10100		101	70-130			
Carbon dioxide	9760		ppmv	10000		97.6	70-130			
Oxygen (O2)	1990		ppmv	2010		99.2	70-130			
Nitrogen (N2)	4770		ppmv	5050		94.5	70-130			
Hydrogen (H2)	505		ppmv	500		101	70-130			
Carbon Monoxide	521		ppmv	500		104	70-130			
Duplicate (BIE1332-DUP1)				**Source: 25E1088-07**	Prepared & Analyzed: 05/23/2025					
Methane	1.49	0.45	Vol%		1.50			0.415	5	
Carbon dioxide	3.76	0.45	Vol%		3.76			0.135	5	
Oxygen (O2)	0.83	0.45	Vol%		0.86			2.85	5	
Hydrogen (H2)	<	0.18	Vol%		<0.18			NA	5	
Nitrogen (N2)	89.6	9.00	Vol%		89.6			0.0877	5	
Carbon Monoxide	<	0.009	Vol%		<0.009			NA	5	
Duplicate (BIE1332-DUP2)				**Source: 25E1088-08**	Prepared & Analyzed: 05/23/2025					
Methane	<	0.45	Vol%		<0.45			NA	5	
Carbon dioxide	3.31	0.45	Vol%		3.30			0.204	5	
Oxygen (O2)	12.8	0.45	Vol%		12.9			0.218	5	
Nitrogen (N2)	78.5	9.00	Vol%		78.3			0.260	5	
Hydrogen (H2)	<	0.18	Vol%		<0.18			NA	5	
Carbon Monoxide	<	0.009	Vol%		<0.009			NA	5	
Duplicate (BIE1332-DUP3)				**Source: 25E1088-09**	Prepared & Analyzed: 05/23/2025					
Methane	<	0.45	Vol%		<0.45			NA	5	
Carbon dioxide	<	0.45	Vol%		<0.45			NA	5	
Oxygen (O2)	20.3	0.45	Vol%		20.4			0.106	5	
Hydrogen (H2)	<	0.18	Vol%		<0.18			NA	5	
Nitrogen (N2)	72.0	9.00	Vol%		72.0			0.0244	5	
Carbon Monoxide	<	0.009	Vol%		<0.009			NA	5	

ENTHALPY ANALYTICAL

1941 Reymet Road • Richmond, Virginia 23237 • Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis - Quality Control

Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BIE1332 - No Prep VOC GC Air										
Duplicate (BIE1332-DUP4)				**Source: 25E1088-10**	Prepared & Analyzed: 05/23/2025					
Methane	<	0.45	Vol%		<0.45			NA	5	
Carbon dioxide	4.12	0.45	Vol%		4.10			0.332	5	
Oxygen (O2)	16.0	0.45	Vol%		16.0			0.169	5	
Nitrogen (N2)	74.6	9.00	Vol%		74.4			0.197	5	
Hydrogen (H2)	<	0.18	Vol%		<0.18			NA	5	
Carbon Monoxide	<	0.009	Vol%		<0.009			NA	5	
Duplicate (BIE1332-DUP5)				**Source: 25E1088-12**	Prepared & Analyzed: 05/23/2025					
Methane	<	0.45	Vol%		<0.45			NA	5	
Carbon dioxide	5.64	0.45	Vol%		5.64			0.0250	5	
Oxygen (O2)	14.5	0.45	Vol%		14.5			0.139	5	
Nitrogen (N2)	75.6	9.00	Vol%		75.6			0.0134	5	
Hydrogen (H2)	<	0.18	Vol%		<0.18			NA	5	
Carbon Monoxide	<	0.009	Vol%		<0.009			NA	5	
Duplicate (BIE1332-DUP6)				**Source: 25E1636-01**	Prepared & Analyzed: 05/23/2025					
Methane	29.6	0.45	Vol%		29.5			0.444	5	
Carbon dioxide	34.5	0.45	Vol%		34.3			0.551	5	
Oxygen (O2)	1.10	0.45	Vol%		1.13			2.62	5	
Nitrogen (N2)	<	9.00	Vol%		<9.00			NA	5	
Hydrogen (H2)	18.1	0.18	Vol%		18.4			1.35	5	
Carbon Monoxide	0.01	0.009	Vol%		0.01			3.46	5	
Duplicate (BIE1332-DUP7)				**Source: 25E1636-02**	Prepared & Analyzed: 05/23/2025					
Methane	30.9	0.45	Vol%		30.8			0.282	5	
Carbon dioxide	34.3	0.45	Vol%		34.2			0.393	5	
Oxygen (O2)	0.63	0.45	Vol%		0.62			1.96	5	
Nitrogen (N2)	<	9.00	Vol%		<9.00			NA	5	
Hydrogen (H2)	21.5	0.18	Vol%		21.5			0.0597	5	
Carbon Monoxide	0.02	0.009	Vol%		0.01			2.93	5	

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

Volatile Organic Compounds by GC/TCD - Unadjusted, as received basis - Quality Control

Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BIE1332 - No Prep VOC GC Air										
Duplicate (BIE1332-DUP8)			**Source: 25E1636-03**		Prepared & Analyzed: 05/23/2025					
Methane	16.7	0.45	Vol%		16.7			0.128	5	
Carbon dioxide	37.6	0.45	Vol%		37.7			0.380	5	
Oxygen (O2)	<	0.45	Vol%		<0.45			NA	5	
Nitrogen (N2)	<	9.00	Vol%		<9.00			NA	5	
Hydrogen (H2)	37.8	0.18	Vol%		37.8			0.198	5	
Carbon Monoxide	0.02	0.009	Vol%		0.02			10.8	5	P

ENTHALPY ANALYTICAL

1941 Reymet Road • Richmond, Virginia 23237 • Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

Sulfur Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BIE0526 - No Prep VOC Air										
Blank (BIE0526-BLK1)					Prepared & Analyzed: 05/12/2025					
Hydrogen Sulfide	<	10.0	ppbv							
Surr: 1,4-Difluorobenzene (Surr)	*19.8*		ppbv	*20.0*		*98.8*	*80-120*			
LCS (BIE0526-BS1)					Prepared & Analyzed: 05/12/2025					
Carbon Disulfide	24.0		ppbv	20.4		118	70-130			
Hydrogen Sulfide	19.7		ppbv	18.4		107	70-130			
1-Propanethiol	22.6		ppbv	20.2		112	70-130			
2-Propanethiol	22.0		ppbv	20.4		108	70-130			
Carbonyl sulfide	20.1		ppbv	20.4		98.3	70-130			
Dimethyl sulfide	22.7		ppbv	19.6		116	70-130			
Ethyl mercaptan	20.0		ppbv	19.8		101	70-130			
Methyl mercaptan	20.5		ppbv	20.2		102	70-130			
Surr: 1,4-Difluorobenzene (Surr)	*20.1*		ppbv	*20.0*		*100*	*70-130*			
LCS Dup (BIE0526-BSD1)					Prepared & Analyzed: 05/12/2025					
Carbon Disulfide	23.8		ppbv	20.4		117	70-130	0.963	25	
Hydrogen Sulfide	18.2		ppbv	18.4		99.2	70-130	7.74	25	
1-Propanethiol	22.1		ppbv	20.2		110	70-130	2.10	25	
2-Propanethiol	20.9		ppbv	20.4		102	70-130	4.95	25	
Carbonyl sulfide	19.5		ppbv	20.4		95.4	70-130	2.99	25	
Dimethyl sulfide	22.4		ppbv	19.6		114	70-130	1.55	25	
Ethyl mercaptan	20.0		ppbv	19.8		101	70-130	0.00	25	
Methyl mercaptan	20.2		ppbv	20.2		100	70-130	1.42	25	
Surr: 1,4-Difluorobenzene (Surr)	*19.9*		ppbv	*20.0*		*99.6*	*70-130*			
Batch BIE1023 - No Prep VOC Air										
Blank (BIE1023-BLK1)					Prepared & Analyzed: 05/21/2025					
Hydrogen Sulfide	<	10.0	ppbv							
Surr: 1,4-Difluorobenzene (Surr)	*19.7*		ppbv	*20.0*		*98.4*	*80-120*			

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

Sulfur Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BIE1023 - No Prep VOC Air										
LCS (BIE1023-BS1)				Prepared & Analyzed: 05/21/2025						
Carbon Disulfide	25.0		ppbv	20.4		123	70-130			
Hydrogen Sulfide	22.4		ppbv	18.4		122	70-130			
1-Propanethiol	20.2		ppbv	20.2		100	70-130			
2-Propanethiol	19.3		ppbv	20.4		94.7	70-130			
Carbonyl sulfide	19.9		ppbv	20.4		97.4	70-130			
Dimethyl sulfide	24.0		ppbv	19.6		123	70-130			
Ethyl mercaptan	10.6		ppbv	19.8		53.3	70-130			L
Methyl mercaptan	10.8		ppbv	20.2		53.2	70-130			L
Surr: 1,4-Difluorobenzene (Surr)	*19.9*		ppbv	*20.0*		*99.4*	*70-130*			
LCS Dup (BIE1023-BSD1)				Prepared & Analyzed: 05/21/2025						
Carbon Disulfide	25.4		ppbv	20.4		125	70-130	1.59	25	
Hydrogen Sulfide	22.7		ppbv	18.4		123	70-130	1.11	25	
1-Propanethiol	20.9		ppbv	20.2		104	70-130	3.30	25	
2-Propanethiol	19.1		ppbv	20.4		93.5	70-130	1.30	25	
Carbonyl sulfide	20.6		ppbv	20.4		101	70-130	3.46	25	
Dimethyl sulfide	24.5		ppbv	19.6		125	70-130	2.06	25	
Ethyl mercaptan	11.0		ppbv	19.8		55.7	70-130	4.26	25	L
Methyl mercaptan	11.2		ppbv	20.2		55.6	70-130	4.46	25	L
Surr: 1,4-Difluorobenzene (Surr)	*19.8*		ppbv	*20.0*		*99.0*	*70-130*			

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

Certified Analytes included in this Report

Analyte	Certifications
ASTM D1946 in Air	
Methane	VELAP
EPA TO-15 in Air	
1,1,1-Trichloroethane	VELAP
1,1,1,2-Tetrachloroethane	VELAP
1,1,2,2-Tetrachloroethane	VELAP
1,1,2-Trichloro-1,2,2-trifluoroethane	VELAP
1,1,2-Trichloroethane	VELAP
1,1-Dichloroethane	VELAP
1,1-Dichloroethylene	VELAP
1,2,4-Trimethylbenzene	VELAP
1,2-Dibromoethane (EDB)	VELAP
1,2-Dichlorobenzene	VELAP
1,2-Dichloroethane	VELAP
1,2-Dichloropropane	VELAP
1,2-Dichlorotetrafluoroethane	VELAP
1,3,5-Trimethylbenzene	VELAP
1,3-Butadiene	VELAP
1,3-Dichlorobenzene	VELAP
1,4-Dichlorobenzene	VELAP
1,4-Dioxane	VELAP
2-Butanone (MEK)	VELAP
2-Chlorotoluene	VELAP
2-Hexanone (MBK)	VELAP
4-Methyl-2-pentanone (MIBK)	VELAP
Allyl chloride	VELAP
Benzene	VELAP
Benzyl Chloride	VELAP
Bromoform	VELAP
Bromomethane	VELAP
Carbon Disulfide	VELAP
Carbon Tetrachloride	VELAP
Chlorobenzene	VELAP
Chloroethane	VELAP
Chloroform	VELAP
Chloromethane	VELAP
cis-1,2-Dichloroethylene	VELAP
cis-1,3-Dichloropropene	VELAP
Cyclohexane	VELAP
Dibromochloromethane	VELAP
Dichlorodifluoromethane	VELAP
Ethyl acetate	VELAP
Ethylbenzene	VELAP
Heptane	VELAP
Hexachlorobutadiene	VELAP
Hexane	VELAP
Isopropylbenzene	VELAP
m+p-Xylenes	VELAP
Methyl methacrylate	VELAP
Methylene chloride	VELAP
Methyl-t-butyl ether (MTBE)	VELAP
Naphthalene	VELAP
o-Xylene	VELAP
Propylene	VELAP
Styrene	VELAP
TBA	VELAP
Tetrachloroethylene (PCE)	VELAP
Tetrahydrofuran	VELAP
Toluene	VELAP
trans-1,2-Dichloroethylene	VELAP
trans-1,3-Dichloropropene	VELAP
Trichloroethylene	VELAP
Trichlorofluoromethane	VELAP
Vinyl acetate	VELAP
Vinyl bromide	VELAP
Vinyl chloride	VELAP
Xylenes, Total	VELAP

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

Code	Description	Laboratory ID	Expires
DURSC-NCDEQ	NCDEQ Durham Service Center	703	12/31/2025
DURSC-NCDHHS	NCDHHS Durham Service Center	37918	07/31/2025
MdDOE	Maryland DE Drinking Water	341	12/31/2025
NCDEQ	North Carolina DEQ	495	12/31/2025
NCDHHS	North Carolina Department of Health and Human	51714	07/31/2025
PADEP	NELAP-Pennsylvania Certificate #009	68-03503	10/31/2025
SCDHEC	South Carolina Dept of Health and Environmental	93016	06/14/2025
TXCEQ	Texas Comm on Environmental Quality #T10470⁴	T104704576	05/31/2025
VELAP	NELAP-Virginia Certificate #13307	460021	06/14/2025
WVDEP	West Virginia DEP Cert ID: WV-C25-00063	350	11/30/2025

Qualifiers and Definitions

C	Continuing calibration verification response for this analyte is outside specifications.
J	The reported result is an estimated value.
L	LCS recovery is outside of established acceptance limits
P	Duplicate analysis does not meet the acceptance criteria for precision
RPD	Relative Percent Difference
Qual	Qualifers
-RE	Denotes sample was re-analyzed
PF	Preparation Factor
MDL	Method Detection Limit
LOQ	Limit of Quantitation
ppbv	parts per billion by volume
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.

All EPA method 3C results are reported as normalized values when the sum total of all evaluated constituents is outside ± 10% of the absolute.

ENTHALPY ANALYTICAL

AIR ANALYSIS
CHAIN OF CUSTODY

Equipment Must be Returned By: 6/7/25

COMPANY NAME: **S&ME**	INVOICE TO: **Same**	PROJECT NAME/Quote #: East End Park Project
CONTACT: **Jerry Paul**	INVOICE CONTACT:	SITE NAME:
ADDRESS: **3201 Spring Forest Rd, Raleigh NC**	INVOICE ADDRESS:	PROJECT NUMBER: 22050630 Phase Y
PHONE #: ~~919-621~~ 919-872-2660	INVOICE PHONE #:	P.O. #:
FAX #: EMAIL: jpaul@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): James Waters	SAMPLER SIGNATURE: James A. Waters	**Turn Around Time:** Circle: **10** **5 Days** or __ Day

Matrix Codes: AA=Indoor/Ambient Air SG=Soil Gas LV=Landfill/Vent Gas OT=Other_____ **063-25D-0035** **WO:**

	CLIENT SAMPLE I.D.	Regulator Info: Flow Controller ID	Regulator Info: Cal Flow (mL/min)	Canister Information: Canister ID	Size (L)	Cleaning Batch ID	LAB Outgoing Canister Vacuum (in Hg)	LAB Receiving Canister Vacuum (in Hg)	Sampling Start Information: Barometric Pres. (in Hg): Start Date	Start Time (24hr clock)	Initial Canister Vacuum (in Hg)	Starting Sample Temp °F	Sampling Stop Information: Barometric Pres. (in Hg): Stop Date	Stop Time (24hr clock)	Final Canister Vacuum (in Hg)	Ending Sample Temp °F	Matrix (See Codes)	ANALYSIS: TO-15	Sulfurs (H2S)	ASTMD1946 (Methane Only)
1)	LFGP-5	10523	3Hr	44231	6	BC250423	30	9.6"	5/8/25	1030	-29	70	5/8/25	1300	5	74	SG	x	x	x
2)	LFGP-6	10525	3Hr	44636	6	BC250423	30	10.2"		1100	30	72		1325	5	74	SG	x	x	x
3)	LFGP-4	10534	3Hr	48095	6	BC250428	30	5.6"		1000	28	67		1205	5	74	SG	x	x	x
4)	Dup-1	14091	3Hr	48101	6	BC250423	30	6.8"		1000	29	67		1230	5	74	SG	x	x	x

RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME
James A. Waters	5/9/25 1430	BVO	5/14/25 9:20
BVO	5/14/25 1500	Dyg Dunn	5/14/25 1600
Dyg Dunn	5/14/25 18:30		5/15/25 0800

QC Data Package
Level I ☐
Level II ☐
Level III ☐

LAB USE ONLY: 12x 3-Hour flow controllers

310
Observed Temp °C: 20.1
Noice
Correction Factor °C: 0.0
NoSeal
Corrected Temp °C: 20.1

S&ME - NC 25E1088
East End Park Project #22050630
Recd: 05/14/2025 Due: 05/29/2025
v130325002

ENTHALPY ANALYTICAL

AIR ANALYSIS
CHAIN OF CUSTODY

Equipment Must be Returned By: 6/7/25

COMPANY NAME: **S&ME**	INVOICE TO: **Same**	PROJECT NAME/Quote #: East End Park Project
CONTACT: **Jerry Paul**	INVOICE CONTACT:	SITE NAME:
ADDRESS: **3201 Spring Forest Rd, Raleigh NC**	INVOICE ADDRESS:	PROJECT NUMBER: 22050630 Phase Y
PHONE #: 919-872-2660	INVOICE PHONE #:	P.O. #:
FAX #:	EMAIL: jpaul@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): James Waters	SAMPLER SIGNATURE: James A. Waters	**Turn Around Time:** Circle: **10** **5 Days** or __ Day

Matrix Codes: AA=Indoor/Ambient Air SG=Soil Gas LV=Landfill/Vent Gas OT=Other_____ **063-25D-0035** **WO:**

	CLIENT SAMPLE I.D.	Regulator Info: Flow Controller ID	Regulator Info: Cal Flow (mL/min)	Canister Information: Canister ID	Size (L)	Cleaning Batch ID	LAB Outgoing Canister Vacuum (in Hg)	LAB Receiving Canister Vacuum (in Hg)	Sampling Start Information: Start Date	Start Time (24hr clock)	Barometric Pres. (in Hg): Initial Canister Vacuum (in Hg)	Starting Sample Temp °F	Sampling Stop Information: Stop Date	Stop Time (24hr clock)	Barometric Pres. (in Hg): Final Canister Vacuum (in Hg)	Ending Sample Temp °F	Matrix (See Codes)	ANALYSIS: TO-15	Sulfurs (H2S)	ASTMD1946 (Methane Only)
1)	LFGP-7	20114	3Hr	50952	6	BC250428	30	16.2"	5/8/25	1215	29	73	5/8/25	1345	15	80	SG	x	x	x
2)	LFGP-9	20115	3Hr	50953	6	BC250428	30	4.8"		1150	30	73		1225	0	74	SG	x	x	x
3)	LFGP-8	20123	3Hr	50955	6	BC250428	30	9.4"		1130	29	73		1255	7	74	SG	x	x	x
4)	LFGP-10	20228	3Hr	50956	6	BC250428	30	10.4"		1140	28	73		1250	7	74	SG	x	x	x

RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME
James A. Waters	5/14/25 1430	BVO	5/14/25 9:20
BVO	5/14/25 1600	[illegible]	5/14/25 1800
[illegible]	5/14/25 1830	[illegible]	5/15/25 0800

QC Data Package
Level I ☐
Level II ☐
Level III ☐

LAB USE ONLY: 11x 2-Hour flow controllers

310 Observed Temp °C: 10.1
noice Correction Factor °C: 0.0
noseal Corrected Temp °C: 10.1

S&ME - NC ~~25E1088~~
East End Park Project #22050630
Recd: 05/14/2025 Due: 05/29/2025

v130325002

~~063-25D-0035.xls~~

ENTHALPY ANALYTICAL

AIR ANALYSIS
CHAIN OF CUSTODY

Equipment Must be Returned By: 6/7/25

COMPANY NAME: **S&ME**	INVOICE TO: **Same**	PROJECT NAME/Quote #: East End Park Project
CONTACT: **Jerry Paul**	INVOICE CONTACT:	SITE NAME:
ADDRESS: **3201 Spring Forest Rd, Raleigh NC**	INVOICE ADDRESS:	PROJECT NUMBER: 22050630 Phase Y
PHONE #: 919-872-2660	INVOICE PHONE #:	P.O. #:
FAX #: EMAIL: jpaul@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): James Waters	SAMPLER SIGNATURE: James A. Waters	**Turn Around Time:** Circle: **10** **5 Days** **or** __ Day

Matrix Codes: AA=Indoor/Ambient Air SG=Soil Gas LV=Landfill/Vent Gas OT=Other_____ **063-25D-0035** **WO:**

	CLIENT SAMPLE I.D.	Regulator Info: Flow Controller ID	Regulator Info: Cal Flow (mL/min)	Canister Information: Canister ID	Canister Information: Size (L)	Canister Information: Cleaning Batch ID	Canister Information: LAB Outgoing Canister Vacuum (in Hg)	Canister Information: LAB Receiving Canister Vacuum (in Hg)	Sampling Start Information: Barometric Pres. (in Hg): Start Date	Start Time (24hr clock)	Initial Canister Vacuum (in Hg)	Starting Sample Temp °F	Sampling Stop Information: Barometric Pres. (in Hg): Stop Date	Stop Time (24hr clock)	Final Canister Vacuum (in Hg)	Ending Sample Temp °F	Matrix (See Codes)	ANALYSIS: TO-15	Sulfurs (H2S)	ASTMD1946 (Methane Only)
1)	LFGP-3	14197	3Hr	48102	6	BC250428	30	8.6"	5/9/25	1040	30	71	5/9/25	1315	5	76	SG	x	x	x
2)	LFGP-2 ~~Dup-2~~	14198	3Hr	49287	6	BC250423	30	6.6"	"	1015	29	70	"	1200	5	72	SG	x	x	x
3)	LFGP-1	16688	3Hr	49330	6	BC250428	30	27.8"	"	0950	29	70	"	1250	26	75	SG	x	x	x
4)	Dup-2	20089	3Hr	49522	6	BC250428	30	4.6"	"	1015	30	70	"	1245	6	75	SG	x	x	x

RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME	QC Data Package	LAB USE ONLY: 11x 2-Hour flow controllers
James A. Waters	5/14/25 1436	BUO	5/14/25 9:10	Level I ☐	
~~RELINQUISHED: BUO 5-14-25~~ BUO 5/14	DATE / TIME 5/14/25 1600	RECEIVED:	DATE / TIME 5/14/25 1600	Level II ☐	
RELINQUISHED:	DATE / TIME 5/14/25 1830	RECEIVED:	DATE / TIME 5/15/25 0800	Level III ☐	

310 Observed Temp °C: 20.1
none Correction Factor °C: 0.0
no cal Corrected Temp °C: 20.1

S&ME - NC **25E1088**
East End Park Project #22050630
Recd: 05/14/2025 Due: 05/29/2025

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 25E1088

Client Name:	S&ME - Raleigh 3201 Spring Forest Road Raleigh, NC 27616	Date Received: Date Issued:	May 14, 2025 8:00 May 28, 2025 16:56
Submitted To:	Jerry Paul	Project Number:	2205630 Phase Y
Client Site I.D.:	East End Park Project	Purchase Order:	

Sample Conditions Checklist

Samples Received at:	**20.10°C**
How were samples received?	AWS Courier
Were Custody Seals used?	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? Metals (except Hg, B) do not require field preservation, but lab preservation may delay analysis. Field parameters performed by the lab are always received past holding time and will be noted as such.	Yes

Work Order Comments

EMSL Analytical, Inc.
10801 Southern Loop Blvd, Pineville, NC 28134
Phone: (704) 525-2205 Fax: (704) 525-2382 Email: charlottelab@emsl.com

Attn: **Jerry Paul**
S&ME, Inc.
3201 Spring Forest Road
Raleigh, NC 27616
Phone: (919) 872-2660
Fax: (919) 790-9827

5/22/2025

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 5/8/2025. The results are tabulated on the attached data pages for the following client designated project:

City of Durham Parks/East End Park/23050630

The reference number for these samples is EMSL Order #412504762. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (704) 525-2205.

Approved By:

Lee Plumley, Laboratory Manager

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.

EMSL Analytical, Inc.
10801 Southern Loop Blvd, Pineville, NC 28134
Phone/Fax: (704) 525-2205 / (704) 525-2382
http://www.EMSL.com charlottelab@emsl.com

EMSL Order: 412504762
CustomerID: SMEI60
CustomerPO:
ProjectID:

Attn: **Jerry Paul**
S&ME, Inc.
3201 Spring Forest Road
Raleigh, NC 27616

Phone: (919) 872-2660
Fax: (919) 790-9827
Received: 5/8/2025 10:00 AM
Collected: 5/7/2025

Project: **City of Durham Parks/East End Park/23050630**

Analytical Results

Client Sample Description LFGP-2
LFGP-2/Landfill Gas Point
Collected: 5/7/2025 ***Lab ID:*** *412504762-0001*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
Mercury by CVAA, NIOSH 6009	Mercury	ND	0.32	µg/m³	5/15/2025 NC	5/15/2025 15:30 NC

Client Sample Description LFGP-3
LFGP-3/Landfill Gas Point
Collected: 5/7/2025 ***Lab ID:*** *412504762-0002*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
Mercury by CVAA, NIOSH 6009	Mercury	ND	0.67	µg/m³	5/15/2025 NC	5/15/2025 15:30 NC

Client Sample Description LFGP-1
LFGP-1/Landfill Gas Point
Collected: 5/7/2025 ***Lab ID:*** *412504762-0003*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
Mercury by CVAA, NIOSH 6009	Mercury	ND	0.33	µg/m³	5/15/2025 NC	5/15/2025 15:30 NC

Client Sample Description LFGP-5
LFGP-5/Landfill Gas Point
Collected: 5/7/2025 ***Lab ID:*** *412504762-0004*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
Mercury by CVAA, NIOSH 6009	Mercury	ND	0.33	µg/m³	5/15/2025 NC	5/15/2025 15:30 NC

Client Sample Description LFGP-4
LFGP-4/Landfill Gas Point
Collected: 5/7/2025 ***Lab ID:*** *412504762-0005*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
Mercury by CVAA, NIOSH 6009	Mercury	ND	0.33	µg/m³	5/15/2025 NC	5/15/2025 15:30 NC

EMSL Analytical, Inc.
10801 Southern Loop Blvd, Pineville, NC 28134
Phone/Fax: (704) 525-2205 / (704) 525-2382
http://www.EMSL.com charlottelab@emsl.com

EMSL Order: 412504762
CustomerID: SMEI60
CustomerPO:
ProjectID:

Attn: **Jerry Paul**
S&ME, Inc.
3201 Spring Forest Road
Raleigh, NC 27616

Phone: (919) 872-2660
Fax: (919) 790-9827
Received: 5/8/2025 10:00 AM
Collected: 5/7/2025

Project: **City of Durham Parks/East End Park/23050630**

Analytical Results

Client Sample Description LFGP-6
LFGP-6/Landfill Gas Point
Collected: 5/7/2025 ***Lab ID:*** *412504762-0006*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
Mercury by CVAA, NIOSH 6009	Mercury	ND	0.33	µg/m³	5/15/2025 NC	5/15/2025 15:30 NC

Client Sample Description LFGP-8
LFGP-8/Landfill Gas Point
Collected: 5/7/2025 ***Lab ID:*** *412504762-0007*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
Mercury by CVAA, NIOSH 6009	Mercury	ND	0.33	µg/m³	5/15/2025 NC	5/15/2025 15:30 NC

Client Sample Description LFGP-10
LFGP-10/Landfill Gas Implant
Collected: 5/7/2025 ***Lab ID:*** *412504762-0008*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
Mercury by CVAA, NIOSH 6009	Mercury	ND	0.33	µg/m³	5/15/2025 NC	5/15/2025 15:30 NC

Client Sample Description LFGP-9
LFGP-9/Landfill Gas Implant
Collected: 5/7/2025 ***Lab ID:*** *412504762-0009*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
Mercury by CVAA, NIOSH 6009	Mercury	ND	0.67	µg/m³	5/15/2025 NC	5/15/2025 15:30 NC

Client Sample Description LFGP-7
LFGP-7/Landfill Gas Point
Collected: 5/7/2025 ***Lab ID:*** *412504762-0010*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
Mercury by CVAA, NIOSH 6009	Mercury	ND	0.33	µg/m³	5/15/2025 NC	5/15/2025 15:30 NC

EMSL Analytical, Inc.
10801 Southern Loop Blvd, Pineville, NC 28134
Phone/Fax: (704) 525-2205 / (704) 525-2382
http://www.EMSL.com charlottelab@emsl.com

EMSL Order:	412504762
CustomerID:	SMEI60
CustomerPO:	
ProjectID:	

Attn: **Jerry Paul**
S&ME, Inc.
3201 Spring Forest Road
Raleigh, NC 27616

Phone:	(919) 872-2660
Fax:	(919) 790-9827
Received:	5/8/2025 10:00 AM
Collected:	5/7/2025

Project: **City of Durham Parks/East End Park/23050630**

Analytical Results

Client Sample Description Dup-1 ***Collected:*** 5/7/2025 ***Lab ID:*** *412504762-0011*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*		*Analysis Date & Analyst*	
METALS								
Mercury by CVAA, NIOSH 6009	Mercury	ND	0.33	µg/m³	5/15/2025	NC	5/15/2025 15:30	NC

Definitions:

MDL - method detection limit
J - Result was below the reporting limit, but at or above the MDL
ND - indicates that the analyte was not detected at the reporting limit
RL - Reporting Limit (Analytical)
D - Dilution Sample required a dilution which was used to calculate final results

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

EMSL Order ID: 012526080
LIMS Reference ID: AD26080
EMSL Customer ID: SMEI60

Attention: Gerald Paul
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660
jpaul@smeinc.com

Project Name: CODP 823 East End Park
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 07/01/2025 09:40
Reported: 07/16/2025 14:33

Samples in this Report

Lab ID	Sample	Matrix	Date Sampled	Date Received
AD26080-01	823-LFGP-01	Air	06/30/2025	07/01/2025
AD26080-02	823-LFGP-02	Air	06/30/2025	07/01/2025
AD26080-03	823-LFGP-03	Air	06/30/2025	07/01/2025
AD26080-04	823-LFGP-04	Air	06/30/2025	07/01/2025
AD26080-05	823-LFGP-05	Air	06/30/2025	07/01/2025
AD26080-06	823-LFGP-06	Air	06/30/2025	07/01/2025
AD26080-07	823-LFGP-07	Air	06/30/2025	07/01/2025
AD26080-08	823-LFGP-08	Air	06/30/2025	07/01/2025
AD26080-09	823-LFGP-09	Air	06/30/2025	07/01/2025
AD26080-10	823-LFGP-10	Air	06/30/2025	07/01/2025
AD26080-11	823-DUP-01	Air	06/30/2025	07/01/2025

Owen McKenna Laboratory Manager or other approved signatory

Test results meet all NELAP requirements unless otherwise specified. NJDEP Certification #: 03036

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.

EMSL Analytical, Inc.
200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

EMSL Order ID: 012526080
LIMS Reference ID: AD26080
EMSL Customer ID: SMEI60

Attention: Gerald Paul
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660
jpaul@smeinc.com

Project Name: CODP 823 East End Park
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 07/01/2025 09:40
Reported: 07/16/2025 14:33

Analysis Case Narrative

Method Reference
ASTM D5504-12: Standard Test Method for Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Chemiluminescence, ASTM International, West Conshohocken, PA, 2012,

Column
Agilent DB-Sulfur SCD, 70m x 0.53mm ID x 4.3µm

Concentrator Traps:
2.0 cc Loop

Gas Standards:
Certified Gas standards were used for all analyses.

Sample Volumes:
Sample volume aliquots for this procedure is 2.0 cc by loop injection.

Sampling Pressures:
All samples were received at acceptable pressure/vacuum unless listed below.

Holding Times:
All holding times were met.

Sample Pressures:
All samples received in summa canisters were sightly pressurized with UHP diluent and transferred to tedlar bags prior to analysis.

Sample Pressures:

Initial Calibration:
All acceptance criteria were met.

Initial Calibration Verification Standard (ICVS)- Second Source:
All acceptance criteria were met.

Laboratory Control Samples (LCS):
All acceptance criteria were met.

Continuing Calibration Verification Standard (CCVS):
All acceptance criteria were met.

Method Blanks (MB):
All acceptance criteria were met.

Sample Duplicate:
All acceptance criteria were met.

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

EMSL Order ID: 012526080
LIMS Reference ID: AD26080
EMSL Customer ID: SMEI60

Attention: Gerald Paul
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660
jpaul@smeinc.com

Project Name: CODP 823 East End Park
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 07/01/2025 09:40
Reported: 07/16/2025 14:33

EMSL Analytical, Inc. certifies that this data package is in compliance with the terme and conditions of this contract, both technically and for completeness, for other thatn the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer ---readable data submitted on diskette has been authorized by the laboratory manager or his/her designee, as verified by the following signature

Owen McKenna Laboratory Manager or other approved signatory

EMSL Analytical, Inc.
200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

EMSL Order ID: 012526080
LIMS Reference ID: AD26080
EMSL Customer ID: SMEI60

Attention: Gerald Paul
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660
jpaul@smeinc.com

Project Name: CODP 823 East End Park
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 07/01/2025 09:40
Reported: 07/16/2025 14:33

EMSL Sample ID: AD26080-01
Customer Sample ID: 823-LFGP-01

Collected: 06/30/2025 13:20
Received: 07/01/2025 09:40

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
07/01/25 15:33	BDG0055	R1169.D	823-LFGP-01	2 cc	1	KW

ASTM D5504-Sample Summary

Target Compounds	Cas#	MW	Result ppbv	RL ppbv	DF	Result ug/m3	RL ug/m3	Analyzed	Q
Hydrogen Sulfide	7783-06-4	34.1	ND	10	1	ND	14	07/01/25 15:33	
Total Target Compound Concentrations:			**0**			**0**			

Threshold Refernences

Analyte	Odor characteristics[2]	Lowest Validated Odor Threshold[2]	OSHA PEL (gen. Industry-ceiling) [1]	NIOSH REL (ceiling) [1]	ACGIH TLV (TWA) [1]
Hydrogen Sulfide	**Rotton eggs, flatus**	**1 ppb**	**20 ppm**	**10 ppm**	**1 ppm**
Carbonyl Sulfide	**Burnt matches, Burnt fireworks**	**NE**	**NE**	**NE**	**5 ppm**
Methyl Mercaptan	**Rotton cabbage odorized natural**	**0.0002 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Ethyl Mercaptan	**Rotton cabbage odorized natural**	**0.098 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Dimethyl Sulfide	**Garlic-like[3]**	**8 ppb**	**NE**	**NE**	**10 ppm**

Reference

1 www.osha.gov
2 "Odor Threshholds for Chemicals with Established Occupational Health Standards", AIHA, Fairfax VA, 1989
3 MSDS sheet, www.arkema-inc.com

Agency Definitions

OSHA= Occupational Safety and Health Administration
NIOSH=National Institute for Occupational Safety and Health
ACGIH=American Conference of Governmental Industrial Hygienistsn

Method Reference

ASTM D5504-12: Standard Test Method for Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Chemiluminescence

Exposure Limit Definitions

PEL= Permissable Exposure Limit TWA=Time Weighted Average TLV=Threashold Limit Value
REL=Recommended Exposure Limit NE= Not established

EMSL Analytical, Inc.
200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

EMSL Order ID: 012526080
LIMS Reference ID: AD26080
EMSL Customer ID: SMEI60

Attention: Gerald Paul
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660
jpaul@smeinc.com

Project Name: CODP 823 East End Park
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 07/01/2025 09:40
Reported: 07/16/2025 14:33

EMSL Sample ID: AD26080-02
Customer Sample ID: 823-LFGP-02
Collected: 06/30/2025 13:30
Received: 07/01/2025 09:40

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
07/01/25 15:47	BDG0055	R1170.D	823-LFGP-02	2 cc	1	KW

ASTM D5504-Sample Summary

Target Compounds	Cas#	MW	Result ppbv	RL ppbv	DF	Result ug/m3	RL ug/m3	Analyzed	Q
Hydrogen Sulfide	7783-06-4	34.1	ND	10	1	ND	14	07/01/25 15:47	
Total Target Compound Concentrations:			**0**			**0**			

Threshold Refernences

Analyte	Odor characteristics[2]	Lowest Validated Odor Threshold[2]	OSHA PEL (gen. Industry-ceiling) [1]	NIOSH REL (ceiling) [1]	ACGIH TLV (TWA) [1]
Hydrogen Sulfide	**Rotton eggs, flatus**	**1 ppb**	**20 ppm**	**10 ppm**	**1 ppm**
Carbonyl Sulfide	**Burnt matches, Burnt fireworks**	**NE**	**NE**	**NE**	**5 ppm**
Methyl Mercaptan	**Rotton cabbage odorized natural**	**0.0002 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Ethyl Mercaptan	**Rotton cabbage odorized natural**	**0.098 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Dimethyl Sulfide	**Garlic-like[3]**	**8 ppb**	**NE**	**NE**	**10 ppm**

Reference

1 www.osha.gov
2 "Odor Threshholds for Chemicals with Established Occupational Health Standards", AIHA, Fairfax VA, 1989
3 MSDS sheet, www.arkema-inc.com

Agency Definitions

OSHA= Occupational Safety and Health Administration
NIOSH=National Institute for Occupational Safety and Health
ACGIH=American Conference of Governmental Industrial Hygienistsn

Method Reference

ASTM D5504-12: Standard Test Method for Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Chemiluminescence

Exposure Limit Definitions

PEL= Permissable Exposure Limit TWA=Time Weighted Average TLV=Threashold Limit Value
REL=Recommended Exposure Limit NE= Not established

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

EMSL Order ID: 012526080
LIMS Reference ID: AD26080
EMSL Customer ID: SMEI60

Attention: Gerald Paul
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660
jpaul@smeinc.com

Project Name: CODP 823 East End Park
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 07/01/2025 09:40
Reported: 07/16/2025 14:33

EMSL Sample ID: AD26080-03
Customer Sample ID: 823-LFGP-03

Collected: 06/30/2025 13:40
Received: 07/01/2025 09:40

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
07/01/25 16:00	BDG0055	R1171.D	823-LFGP-03	2 cc	1	KW

ASTM D5504-Sample Summary

Target Compounds	Cas#	MW	Result ppbv	RL ppbv	DF	Result ug/m3	RL ug/m3	Analyzed	Q
Hydrogen Sulfide	7783-06-4	34.1	ND	10	1	ND	14	07/01/25 16:00	
Total Target Compound Concentrations:			**0**			**0**			

Threshold Refernences

Analyte	Odor characteristics[2]	Lowest Validated Odor Threshold[2]	OSHA PEL (gen. Industry-ceiling) [1]	NIOSH REL (ceiling) [1]	ACGIH TLV (TWA) [1]
Hydrogen Sulfide	**Rotton eggs, flatus**	**1 ppb**	**20 ppm**	**10 ppm**	**1 ppm**
Carbonyl Sulfide	**Burnt matches, Burnt fireworks**	**NE**	**NE**	**NE**	**5 ppm**
Methyl Mercaptan	**Rotton cabbage odorized natural**	**0.0002 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Ethyl Mercaptan	**Rotton cabbage odorized natural**	**0.098 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Dimethyl Sulfide	**Garlic-like[3]**	**8 ppb**	**NE**	**NE**	**10 ppm**

Reference

1 www.osha.gov
2 "Odor Threshholds for Chemicals with Established Occupational Health Standards", AIHA, Fairfax VA, 1989
3 MSDS sheet, www.arkema-inc.com

Agency Definitions

OSHA= Occupational Safety and Health Administration
NIOSH=National Institute for Occupational Safety and Health
ACGIH=American Conference of Governmental Industrial Hygienistsn

Method Reference

ASTM D5504-12: Standard Test Method for Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Chemiluminescence

Exposure Limit Definitions

PEL= Permissable Exposure Limit TWA=Time Weighted Average TLV=Threashold Limit Value
REL=Recommended Exposure Limit NE= Not established

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

EMSL Order ID: 012526080
LIMS Reference ID: AD26080
EMSL Customer ID: SMEI60

Attention: Gerald Paul
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660
jpaul@smeinc.com

Project Name: CODP 823 East End Park
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 07/01/2025 09:40
Reported: 07/16/2025 14:33

EMSL Sample ID: AD26080-04
Customer Sample ID: 823-LFGP-04
Collected: 06/30/2025 13:50
Received: 07/01/2025 09:40

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
07/01/25 16:14	BDG0055	R1172.D	823-LFGP-04	2 cc	1	KW

ASTM D5504-Sample Summary

Target Compounds	Cas#	MW	Result ppbv	RL ppbv	DF	Result ug/m3	RL ug/m3	Analyzed	Q
Hydrogen Sulfide	7783-06-4	34.1	ND	10	1	ND	14	07/01/25 16:14	
Total Target Compound Concentrations:			**0**			**0**			

Threshold Refernences

Analyte	Odor characteristics[2]	Lowest Validated Odor Threshold[2]	OSHA PEL (gen. Industry-ceiling) [1]	NIOSH REL (ceiling) [1]	ACGIH TLV (TWA) [1]
Hydrogen Sulfide	**Rotton eggs, flatus**	**1 ppb**	**20 ppm**	**10 ppm**	**1 ppm**
Carbonyl Sulfide	**Burnt matches, Burnt fireworks**	**NE**	**NE**	**NE**	**5 ppm**
Methyl Mercaptan	**Rotton cabbage odorized natural**	**0.0002 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Ethyl Mercaptan	**Rotton cabbage odorized natural**	**0.098 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Dimethyl Sulfide	**Garlic-like[3]**	**8 ppb**	**NE**	**NE**	**10 ppm**

Reference

1 www.osha.gov
2 "Odor Threshholds for Chemicals with Established Occupational Health Standards", AIHA, Fairfax VA, 1989
3 MSDS sheet, www.arkema-inc.com

Agency Definitions

OSHA= Occupational Safety and Health Administration
NIOSH=National Institute for Occupational Safety and Health
ACGIH=American Conference of Governmental Industrial Hygienistsn

Method Reference

ASTM D5504-12: Standard Test Method for Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Chemiluminescence

Exposure Limit Definitions

PEL= Permissable Exposure Limit TWA=Time Weighted Average TLV=Threashold Limit Value
REL=Recommended Exposure Limit NE= Not established

EMSL Analytical, Inc.
200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

EMSL Order ID: 012526080
LIMS Reference ID: AD26080
EMSL Customer ID: SMEI60

Attention: Gerald Paul
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660
jpaul@smeinc.com

Project Name: CODP 823 East End Park
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 07/01/2025 09:40
Reported: 07/16/2025 14:33

EMSL Sample ID: AD26080-05
Customer Sample ID: 823-LFGP-05
Collected: 06/30/2025 14:00
Received: 07/01/2025 09:40

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
07/01/25 16:27	BDG0055	R1173.D	823-LFGP-05	2 cc	1	KW

ASTM D5504-Sample Summary

Target Compounds	Cas#	MW	Result ppbv	RL ppbv	DF	Result ug/m3	RL ug/m3	Analyzed	Q
Hydrogen Sulfide	7783-06-4	34.1	ND	10	1	ND	14	07/01/25 16:27	
Total Target Compound Concentrations:			**0**			**0**			

Threshold Refernences

Analyte	Odor characteristics[2]	Lowest Validated Odor Threshold[2]	OSHA PEL (gen. Industry-ceiling) [1]	NIOSH REL (ceiling) [1]	ACGIH TLV (TWA) [1]
Hydrogen Sulfide	**Rotton eggs, flatus**	**1 ppb**	**20 ppm**	**10 ppm**	**1 ppm**
Carbonyl Sulfide	**Burnt matches, Burnt fireworks**	**NE**	**NE**	**NE**	**5 ppm**
Methyl Mercaptan	**Rotton cabbage odorized natural**	**0.0002 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Ethyl Mercaptan	**Rotton cabbage odorized natural**	**0.098 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Dimethyl Sulfide	**Garlic-like[3]**	**8 ppb**	**NE**	**NE**	**10 ppm**

Reference

1 www.osha.gov
2 "Odor Threshholds for Chemicals with Established Occupational Health Standards", AIHA, Fairfax VA, 1989
3 MSDS sheet, www.arkema-inc.com

Agency Definitions

OSHA= Occupational Safety and Health Administration
NIOSH=National Institute for Occupational Safety and Health
ACGIH=American Conference of Governmental Industrial Hygienistsn

Method Reference

ASTM D5504-12: Standard Test Method for Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Chemiluminescence

Exposure Limit Definitions

PEL= Permissable Exposure Limit TWA=Time Weighted Average TLV=Threashold Limit Value
REL=Recommended Exposure Limit NE= Not established

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

EMSL Order ID: 012526080
LIMS Reference ID: AD26080
EMSL Customer ID: SMEI60

Attention: Gerald Paul
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660
jpaul@smeinc.com

Project Name: CODP 823 East End Park
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 07/01/2025 09:40
Reported: 07/16/2025 14:33

EMSL Sample ID: AD26080-06
Customer Sample ID: 823-LFGP-06
Collected: 06/30/2025 14:10
Received: 07/01/2025 09:40

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
07/01/25 16:40	BDG0055	R1174.D	823-LFGP-06	2 cc	1	KW

ASTM D5504-Sample Summary

Target Compounds	Cas#	MW	Result ppbv	RL ppbv	DF	Result ug/m3	RL ug/m3	Analyzed	Q
Hydrogen Sulfide	7783-06-4	34.1	ND	10	1	ND	14	07/01/25 16:40	
Total Target Compound Concentrations:			**0**			**0**			

Threshold Refernences

Analyte	Odor characteristics[2]	Lowest Validated Odor Threshold[2]	OSHA PEL (gen. Industry-ceiling) [1]	NIOSH REL (ceiling) [1]	ACGIH TLV (TWA) [1]
Hydrogen Sulfide	**Rotton eggs, flatus**	**1 ppb**	**20 ppm**	**10 ppm**	**1 ppm**
Carbonyl Sulfide	**Burnt matches, Burnt fireworks**	**NE**	**NE**	**NE**	**5 ppm**
Methyl Mercaptan	**Rotton cabbage odorized natural**	**0.0002 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Ethyl Mercaptan	**Rotton cabbage odorized natural**	**0.098 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Dimethyl Sulfide	**Garlic-like[3]**	**8 ppb**	**NE**	**NE**	**10 ppm**

Reference

1 www.osha.gov
2 "Odor Threshholds for Chemicals with Established Occupational Health Standards", AIHA, Fairfax VA, 1989
3 MSDS sheet, www.arkema-inc.com

Agency Definitions

OSHA= Occupational Safety and Health Administration
NIOSH=National Institute for Occupational Safety and Health
ACGIH=American Conference of Governmental Industrial Hygienistsn

Method Reference

ASTM D5504-12: Standard Test Method for Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Chemiluminescence

Exposure Limit Definitions

PEL= Permissable Exposure Limit TWA=Time Weighted Average TLV=Threashold Limit Value
REL=Recommended Exposure Limit NE= Not established

EMSL Analytical, Inc.
200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

EMSL Order ID: 012526080
LIMS Reference ID: AD26080
EMSL Customer ID: SMEI60

Attention: Gerald Paul
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660
jpaul@smeinc.com

Project Name: CODP 823 East End Park
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 07/01/2025 09:40
Reported: 07/16/2025 14:33

EMSL Sample ID: AD26080-07
Customer Sample ID: 823-LFGP-07
Collected: 06/30/2025 14:20
Received: 07/01/2025 09:40

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
07/01/25 16:53	BDG0055	R1175.D	823-LFGP-07	2 cc	1	KW

ASTM D5504-Sample Summary

Target Compounds	Cas#	MW	Result ppbv	RL ppbv	DF	Result ug/m3	RL ug/m3	Analyzed	Q
Hydrogen Sulfide	7783-06-4	34.1	ND	10	1	ND	14	07/01/25 16:53	
Total Target Compound Concentrations:			**0**			**0**			

Threshold Refernences

Analyte	Odor characteristics[2]	Lowest Validated Odor Threshold[2]	OSHA PEL (gen. Industry-ceiling) [1]	NIOSH REL (ceiling) [1]	ACGIH TLV (TWA) [1]
Hydrogen Sulfide	**Rotton eggs, flatus**	**1 ppb**	**20 ppm**	**10 ppm**	**1 ppm**
Carbonyl Sulfide	**Burnt matches, Burnt fireworks**	**NE**	**NE**	**NE**	**5 ppm**
Methyl Mercaptan	**Rotton cabbage odorized natural**	**0.0002 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Ethyl Mercaptan	**Rotton cabbage odorized natural**	**0.098 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Dimethyl Sulfide	**Garlic-like[3]**	**8 ppb**	**NE**	**NE**	**10 ppm**

Reference

1 www.osha.gov
2 "Odor Threshholds for Chemicals with Established Occupational Health Standards", AIHA, Fairfax VA, 1989
3 MSDS sheet, www.arkema-inc.com

Agency Definitions

OSHA= Occupational Safety and Health Administration
NIOSH=National Institute for Occupational Safety and Health
ACGIH=American Conference of Governmental Industrial Hygienistsn

Method Reference

ASTM D5504-12: Standard Test Method for Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Chemiluminescence

Exposure Limit Definitions

PEL= Permissable Exposure Limit TWA=Time Weighted Average TLV=Threashold Limit Value
REL=Recommended Exposure Limit NE= Not established

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

EMSL Order ID: 012526080
LIMS Reference ID: AD26080
EMSL Customer ID: SMEI60

Attention: Gerald Paul
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660
jpaul@smeinc.com

Project Name: CODP 823 East End Park
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 07/01/2025 09:40
Reported: 07/16/2025 14:33

EMSL Sample ID: AD26080-08
Customer Sample ID: 823-LFGP-08

Collected: 06/30/2025 14:30
Received: 07/01/2025 09:40

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
07/01/25 17:06	BDG0055	R1176.D	823-LFGP-08	2 cc	1	KW

ASTM D5504-Sample Summary

Target Compounds	Cas#	MW	Result ppbv	RL ppbv	DF	Result ug/m3	RL ug/m3	Analyzed	Q
Hydrogen Sulfide	7783-06-4	34.1	24	10	1	33	14	07/01/25 17:06	
Total Target Compound Concentrations:			24			33			

Threshold Refernences

Analyte	Odor characteristics[2]	Lowest Validated Odor Threshold[2]	OSHA PEL (gen. Industry-ceiling) [1]	NIOSH REL (ceiling) [1]	ACGIH TLV (TWA) [1]
Hydrogen Sulfide	**Rotton eggs, flatus**	**1 ppb**	**20 ppm**	**10 ppm**	**1 ppm**
Carbonyl Sulfide	**Burnt matches, Burnt fireworks**	**NE**	**NE**	**NE**	**5 ppm**
Methyl Mercaptan	**Rotton cabbage odorized natural**	**0.0002 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Ethyl Mercaptan	**Rotton cabbage odorized natural**	**0.098 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Dimethyl Sulfide	**Garlic-like[3]**	**8 ppb**	**NE**	**NE**	**10 ppm**

Reference

1 www.osha.gov
2 "Odor Threshholds for Chemicals with Established Occupational Health Standards", AIHA, Fairfax VA, 1989
3 MSDS sheet, www.arkema-inc.com

Agency Definitions

OSHA= Occupational Safety and Health Administration
NIOSH=National Institute for Occupational Safety and Health
ACGIH=American Conference of Governmental Industrial Hygienistsn

Method Reference

ASTM D5504-12: Standard Test Method for Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Chemiluminescence

Exposure Limit Definitions

PEL= Permissable Exposure Limit TWA=Time Weighted Average TLV=Threashold Limit Value
REL=Recommended Exposure Limit NE= Not established

EMSL Analytical, Inc.
200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

EMSL Order ID: 012526080
LIMS Reference ID: AD26080
EMSL Customer ID: SMEI60

Attention: Gerald Paul
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660
jpaul@smeinc.com

Project Name: CODP 823 East End Park
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 07/01/2025 09:40
Reported: 07/16/2025 14:33

EMSL Sample ID: AD26080-09
Customer Sample ID: 823-LFGP-09
Collected: 06/30/2025 14:40
Received: 07/01/2025 09:40

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
07/01/25 17:20	BDG0055	R1177.D	823-LFGP-09	2 cc	1	KW

ASTM D5504-Sample Summary

Target Compounds	Cas#	MW	Result ppbv	RL ppbv	DF	Result ug/m3	RL ug/m3	Analyzed	Q
Hydrogen Sulfide	7783-06-4	34.1	ND	10	1	ND	14	07/01/25 17:20	
Total Target Compound Concentrations:			**0**			**0**			

Threshold Refernences

Analyte	Odor characteristics[2]	Lowest Validated Odor Threshold[2]	OSHA PEL (gen. Industry-ceiling) [1]	NIOSH REL (ceiling) [1]	ACGIH TLV (TWA) [1]
Hydrogen Sulfide	**Rotton eggs, flatus**	**1 ppb**	**20 ppm**	**10 ppm**	**1 ppm**
Carbonyl Sulfide	**Burnt matches, Burnt fireworks**	**NE**	**NE**	**NE**	**5 ppm**
Methyl Mercaptan	**Rotton cabbage odorized natural**	**0.0002 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Ethyl Mercaptan	**Rotton cabbage odorized natural**	**0.098 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Dimethyl Sulfide	**Garlic-like[3]**	**8 ppb**	**NE**	**NE**	**10 ppm**

Reference

1 www.osha.gov
2 "Odor Threshholds for Chemicals with Established Occupational Health Standards", AIHA, Fairfax VA, 1989
3 MSDS sheet, www.arkema-inc.com

Agency Definitions

OSHA= Occupational Safety and Health Administration
NIOSH=National Institute for Occupational Safety and Health
ACGIH=American Conference of Governmental Industrial Hygienistsn

Method Reference

ASTM D5504-12: Standard Test Method for Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Chemiluminescence

Exposure Limit Definitions

PEL= Permissable Exposure Limit TWA=Time Weighted Average TLV=Threashold Limit Value
REL=Recommended Exposure Limit NE= Not established

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

EMSL Order ID: 012526080
LIMS Reference ID: AD26080
EMSL Customer ID: SMEI60

Attention: Gerald Paul
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660
jpaul@smeinc.com

Project Name: CODP 823 East End Park
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 07/01/2025 09:40
Reported: 07/16/2025 14:33

EMSL Sample ID: AD26080-10
Customer Sample ID: 823-LFGP-10

Collected: 06/30/2025 14:50
Received: 07/01/2025 09:40

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
07/01/25 17:33	BDG0055	R1178.D	823-LFGP-10	2 cc	1	KW

ASTM D5504-Sample Summary

Target Compounds	Cas#	MW	Result ppbv	RL ppbv	DF	Result ug/m3	RL ug/m3	Analyzed	Q
Hydrogen Sulfide	7783-06-4	34.1	ND	10	1	ND	14	07/01/25 17:33	
Total Target Compound Concentrations:			**0**			**0**			

Threshold Refernences

Analyte	Odor characteristics[2]	Lowest Validated Odor Threshold[2]	OSHA PEL (gen. Industry-ceiling) [1]	NIOSH REL (ceiling) [1]	ACGIH TLV (TWA) [1]
Hydrogen Sulfide	**Rotton eggs, flatus**	**1 ppb**	**20 ppm**	**10 ppm**	**1 ppm**
Carbonyl Sulfide	**Burnt matches, Burnt fireworks**	**NE**	**NE**	**NE**	**5 ppm**
Methyl Mercaptan	**Rotton cabbage odorized natural**	**0.0002 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Ethyl Mercaptan	**Rotton cabbage odorized natural**	**0.098 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Dimethyl Sulfide	**Garlic-like[3]**	**8 ppb**	**NE**	**NE**	**10 ppm**

Reference

1 www.osha.gov
2 "Odor Threshholds for Chemicals with Established Occupational Health Standards", AIHA, Fairfax VA, 1989
3 MSDS sheet, www.arkema-inc.com

Agency Definitions

OSHA= Occupational Safety and Health Administration
NIOSH=National Institute for Occupational Safety and Health
ACGIH=American Conference of Governmental Industrial Hygienistsn

Method Reference

ASTM D5504-12: Standard Test Method for Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Chemiluminescence

Exposure Limit Definitions

PEL= Permissable Exposure Limit TWA=Time Weighted Average TLV=Threashold Limit Value
REL=Recommended Exposure Limit NE= Not established

EMSL Analytical, Inc.
200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

EMSL Order ID: 012526080
LIMS Reference ID: AD26080
EMSL Customer ID: SMEI60

Attention: Gerald Paul
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660
jpaul@smeinc.com

Project Name: CODP 823 East End Park
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 07/01/2025 09:40
Reported: 07/16/2025 14:33

EMSL Sample ID: AD26080-11
Customer Sample ID: 823-DUP-01
Collected: 06/30/2025 00:00
Received: 07/01/2025 09:40

Analysis	Prep Batch	Lab File ID	Canister ID	Sample Vol.	Dil. Factor	Analyst Init.
07/01/25 17:46	BDG0055	R1179.D	823-DUP-01	2 cc	1	KW

ASTM D5504-Sample Summary

Target Compounds	Cas#	MW	Result ppbv	RL ppbv	DF	Result ug/m3	RL ug/m3	Analyzed	Q
Hydrogen Sulfide	7783-06-4	34.1	ND	10	1	ND	14	07/01/25 17:46	
Total Target Compound Concentrations:			**0**			**0**			

Threshold Refernences

Analyte	Odor characteristics[2]	Lowest Validated Odor Threshold[2]	OSHA PEL (gen. Industry-ceiling) [1]	NIOSH REL (ceiling) [1]	ACGIH TLV (TWA) [1]
Hydrogen Sulfide	**Rotton eggs, flatus**	**1 ppb**	**20 ppm**	**10 ppm**	**1 ppm**
Carbonyl Sulfide	**Burnt matches, Burnt fireworks**	**NE**	**NE**	**NE**	**5 ppm**
Methyl Mercaptan	**Rotton cabbage odorized natural**	**0.0002 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Ethyl Mercaptan	**Rotton cabbage odorized natural**	**0.098 ppb**	**10 ppm**	**0.5 ppm**	**0.5 ppm**
Dimethyl Sulfide	**Garlic-like[3]**	**8 ppb**	**NE**	**NE**	**10 ppm**

Reference

1 www.osha.gov
2 "Odor Threshholds for Chemicals with Established Occupational Health Standards", AIHA, Fairfax VA, 1989
3 MSDS sheet, www.arkema-inc.com

Agency Definitions

OSHA= Occupational Safety and Health Administration
NIOSH=National Institute for Occupational Safety and Health
ACGIH=American Conference of Governmental Industrial Hygienistsn

Method Reference

ASTM D5504-12: Standard Test Method for Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Chemiluminescence

Exposure Limit Definitions

PEL= Permissable Exposure Limit TWA=Time Weighted Average TLV=Threashold Limit Value
REL=Recommended Exposure Limit NE= Not established

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:cs@emsl.com
EMSL-CIN-01

EMSL Order ID: 012526080
LIMS Reference ID: AD26080
EMSL Customer ID: SMEI60

Attention: Gerald Paul
S&ME, Inc. [SMEI60]
3201 Spring Forest Road
Raleigh, NC 27616
(919) 872-2660
jpaul@smeinc.com

Project Name: CODP 823 East End Park
Customer PO:
EMSL Sales Rep: Jason McDonald
Received: 07/01/2025 09:40
Reported: 07/16/2025 14:33

Notes and Definitions

Item	Definition
D	Analyte was reported from a dilution run.
ND	Non Detect. This notation would be used in the results column in lieu of a "U" qualifier.
U	Compound was analyzed for but not detected at a listed and appropriately adjusted reporting level.
J(Target)	Concentration estimated between Reporting Limit and MDL.
J	Estimated value reported below adjusted reporting limit for target compounds or estimating a concentration for TICs where a 1:1 response is assumed
B	Compound found in associated method blank as well as in the sample.
E	Estimated value exceeding upper calibration range of instrument. Ethanol and isopropyl alcohol are not specifically targeted to dilute within calibration range.
D	Compound reported from additional diluted analysis.
N	indicates presumptive evidence of a compound based on library search match.

Environmental Chemistry - Sampling Event
Chain of Custody

EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

EMSL Order Number / Lab Use Only: A0 26080

RECEIVED
EMSL
CINNAMINSON N.J.
25 JUL -1 AM 10: 17

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077
PHONE: (800) 220-3675
EMAIL: EnvChemistry2@EMSL.com

Customer Information

Customer ID:	
Company Name:	S&ME
Contact Name:	Gerald Paul
Street Address:	3201 Spring Forest Road
City, State, Zip:	Raleigh NC 27616
Country:	USA
Phone:	(919)801-6482
Email(s) for Report:	jpaul@smeinc.com

Billing Information

Billing ID:	
Company Name:	S&ME
Billing Contact:	Gerald Paul
Street Address:	3201 Spring Forest Road
City, State, Zip:	Raleigh NC 27616
Country:	USA
Phone:	(919) 801-6482
Email(s) for Invoice:	AP@smeinc.com

Project Name/No: CODP 823 East End Park

Purchase Order:

EMSL LIMS Project ID: (If applicable, EMSL will provide)

US State where samples collected: NC

State of Connecticut (CT) must select project location: ☐ Commercial (Taxable) ☐ Residential (Non-Taxable)

Samples for Compliance? ☐ Yes ☐ No

If Yes, for NPDES? ☐ Yes ☐ No

Other (Specify)

PWS ID:

State Reporting Required? ☐ Yes ☐ No

Samples Collected by (Check One): ☐ EMSL ☑ CLIENT

Samples Received Chilled? ☐ Yes ☐ No

Sample(s) Temperature Upon Receipt (LAB ONLY)

Sampled By Name: Connor Hicks

Sampled By Signature:

No. of Samples in Shipment: 11

Turn-Around-Time (TAT) Standard Turn-Around-Time: ☑ 2 Weeks

The following TAT's are subject to Lab approval. Call lab to confirm TAT before submittal: ☐ 1 Week ☐ 4 Days ☐ 3 Days ☐ 2 Days ☐ 1 Day

Client Sample ID	Comp	Grab	Date / Time Collected	Matrix (W=Water, S=Soil, A=Air, SL=Sludge, O=Other)	Preservative (1 HCL, 2 HNO3, 3 H2SO4, 4 ICE, 5 Other – Describe below in Special Instructions)	List Test(s) Needed (Write in test below, then check on sample line:) Test 1: ASTM 5504 Hydrogen Sulfide	Test 2:	Test 3:	Test 4:	Field PH	Field PH Test Time	Field Temp. Deg.C	Field Temp. Test Time	Comments
823-LFGP-01	☐	☑	6/30/25 1320	Air	None	☑	☐	☐	☐					Low Level H2S
823-LFGP-02	☐	☑	6/30 1520	Air	None	☑	☐	☐	☐					Low Level H2S
823-LFGP-03	☐	☑	6/30 1340	Air	None	☑	☐	☐	☐					Low Level H2S
823-LFGP-04	☐	☑	6/30 1350	Air	None	☑	☐	☐	☐					Low Level H2S

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Please put all sample ID that start with 823 as their own report. Please use MDL of 14 µg/m3 if possible to meet NCDEQ Standards.

Reporting Requirements: ☐ Results Only ☑ Results and QC ☐ Reduced Deliverables ☐ Hzresults EDD ☑ Excel ☐ Other (Describe Above)

Method of Shipment: Fed Ex

Sample Condition Upon Receipt:

Relinquished by: Date/Time: 6/30/25 1700

Received by: EFX FXH: 7918 2450 9015

Relinquished by: Date/Time:

Received by: Date/Time: 7/1/25 1046

Date/Time: 7/1/25 945

Page 16 of 17

Controlled Document - COC-80 Chemistry Sampling Event R2 02/26/2021

☐ AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgement of all terms and conditions by Customer.

Page 1 of 2

Environmental Chemistry - Sampling Event
Chain of Custody

EMSL ANALYTICAL, INC.

EMSL Order Number / Lab Use Only: AD26086

RECEIVED
EMSL
CINNAMINSON, NJ
25 JUL -1 AM 10:17

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077

PHONE: (800) 220-3675
EMAIL: EnvChemistry2@EMSL.com

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Client Sample ID	Comp	Grab	Date / Time Collected	Matrix (W=Water, S=Soil, A=Air, SL=Sludge, O=Other)	Preservative (1 HCL, 2 HNO3, 3 H2SO4, 4 ICE, 5 Other - Describe in Special Instructions)	List Test(s) Needed (Write in test below, then check on sample line:) Test 1: ASTM 5504 Hydrogen Sulfide	Test 2:	Test 3:	Test 4:	Field PH	Field PH Test Time	Field Temp. Deg.C	Field Temp. Test Time	Comments
823-LFGP-05	☐	☑	6/30 1400	Air	None	☑	☐	☐	☐					Low Level H2S
823-LFGP-06	☐	☑	6/30 1460	Air	None	☑	☐	☐	☐					Low Level H2S
823-LFGP-07	☐	☑	6/30 1420	Air	None	☑	☐	☐	☐					Low Level H2S
823-LFGP-08	☐	☑	6/30 1430	Air	None	☑	☐	☐	☐					Low Level H2S
823-LFGP-09	☐	☑	6/30 1440	Air	None	☑	☐	☐	☐					Low level H2S
823-LFGP-10	☐	☑	6/30 1450	Air	None	☑	☐	☐	☐					Low Level H2S
823-DUP-01	☐	☑	6/30/25	Air	None	☑	☐	☐	☐					Low Level H2S
	☐	☐				☑	☐	☐	☐					

Method of Shipment: FedEx

Relinquished by: [signature] Date/Time: 6/30/25 1700

Relinquished by: Date/Time:

Sample Condition Upon Receipt:

Received by: [signature] FEDEX Date/Time: 7/1/25 945a

Received by: [signature] Date/Time: 7/01/25 1046

Controlled Document - COC-80 Chemistry Sampling Event R2 02/26/2021

☐ AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Jerry Paul
S&ME Inc
3201 Spring Forest Road
Raleigh, North Carolina 27616

Generated 6/24/2025 7:15:02 AM

JOB DESCRIPTION

East End Park

JOB NUMBER

400-276850-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization

Generated
6/24/2025 7:15:02 AM

Authorized for release by
Chad Bechtold, Project Manager
Chad.Bechtold@et.eurofinsus.com
(813)690-3563

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Detection Summary 5
Sample Summary 8
Client Sample Results 9
Definitions 35
Surrogate Summary 36
QC Association 37
QC Sample Results 41
Chronicle 59
Method Summary 67
Certification Summary 68
Chain of Custody 69
Receipt Checklists 71

Job Narrative
400-276850-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 5/31/2025 10:09 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.6°C and 3.6°C.

GC/MS VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
Method 9056A_ORGFM_48H: Reanalysis of the following sample was performed outside of the analytical holding time to perform a dilution for Nitrate to bring the result within calibration range: MW-7 (400-276850-4). Both the original in-hold analysis and the out of hold reanalysis are included in the report.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276850-1

Client Sample ID: MW-2 — Lab Sample ID: 400-276850-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	10.6		1.00	0.390	mg/L	1		9056A	Total/NA
Arsenic	0.970	J	3.00	0.860	ug/L	1		6020B	Total Recoverable
Barium	422		5.00	0.890	ug/L	1		6020B	Total Recoverable
Cobalt	1.43		0.500	0.220	ug/L	1		6020B	Total Recoverable
Manganese	845		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	0.820	J	5.00	0.420	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	0.808		0.0500	0.0460	mg/L	1		350.1	Total/NA

Client Sample ID: MW-3 — Lab Sample ID: 400-276850-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	6.80		1.00	0.390	mg/L	1		9056A	Total/NA
Arsenic	1.29	J	3.00	0.860	ug/L	1		6020B	Total Recoverable
Barium	336		5.00	0.890	ug/L	1		6020B	Total Recoverable
Beryllium	0.375	J	0.500	0.200	ug/L	1		6020B	Total Recoverable
Chromium	2.11	J	5.00	1.20	ug/L	1		6020B	Total Recoverable
Cobalt	0.980		0.500	0.220	ug/L	1		6020B	Total Recoverable
Copper	7.78		5.00	1.08	ug/L	1		6020B	Total Recoverable
Lead	1.98	J	2.50	0.210	ug/L	1		6020B	Total Recoverable
Manganese	56.1		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	2.41	J	5.00	0.420	ug/L	1		6020B	Total Recoverable
Vanadium	3.85	J	10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	6.39	J	20.0	2.80	ug/L	1		6020B	Total Recoverable

Client Sample ID: MW-5 — Lab Sample ID: 400-276850-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.212	J	1.00	0.150	ug/L	1		8260D	Total/NA
Acenaphthene	1.28	J	9.87	0.622	ug/L	1		8270E	Total/NA
Fluorene	0.694	J	9.87	0.661	ug/L	1		8270E	Total/NA
Phenanthrene	2.32	J	9.87	0.730	ug/L	1		8270E	Total/NA
Sulfate	3.26		1.00	0.390	mg/L	1		9056A	Total/NA
Antimony	0.535	J	5.00	0.340	ug/L	1		6020B	Total Recoverable
Arsenic	1.77	J	3.00	0.860	ug/L	1		6020B	Total Recoverable
Barium	361		5.00	0.890	ug/L	1		6020B	Total Recoverable
Chromium	9.53		5.00	1.20	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-5 (Continued) — Lab Sample ID: 400-276850-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	3.95		0.500	0.220	ug/L	1		6020B	Total Recoverable
Copper	3.70	J	5.00	1.08	ug/L	1		6020B	Total Recoverable
Lead	0.335	J	2.50	0.210	ug/L	1		6020B	Total Recoverable
Manganese	3410		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	1.13	J	5.00	0.420	ug/L	1		6020B	Total Recoverable
Vanadium	3.35	J	10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	52.8		20.0	2.80	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	0.950		0.0500	0.0460	mg/L	1		350.1	Total/NA

Client Sample ID: MW-7 — Lab Sample ID: 400-276850-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	25.0	E	0.100	0.0630	mg/L	1		9056A	Total/NA
Nitrate as N	18.1	H	0.500	0.315	mg/L	5		9056A	Total/NA
Sulfate	3.72		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	482		5.00	0.890	ug/L	1		6020B	Total Recoverable
Chromium	4.16	J	5.00	1.20	ug/L	1		6020B	Total Recoverable
Cobalt	0.595		0.500	0.220	ug/L	1		6020B	Total Recoverable
Manganese	109		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	1.94	J	5.00	0.420	ug/L	1		6020B	Total Recoverable
Vanadium	1.55	J	10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	3.15	J	20.0	2.80	ug/L	1		6020B	Total Recoverable

Client Sample ID: MW-8 — Lab Sample ID: 400-276850-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	16.7		1.00	0.220	ug/L	1		8260D	Total/NA
Caprolactam	54.6		9.84	2.36	ug/L	1		8270E	Total/NA
Sulfate	25.6		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	363		5.00	0.890	ug/L	1		6020B	Total Recoverable
Cobalt	1.49		0.500	0.220	ug/L	1		6020B	Total Recoverable
Manganese	311		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	6.05		5.00	0.420	ug/L	1		6020B	Total Recoverable
Vanadium	1.37	J	10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	5.79	J	20.0	2.80	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276850-1

Client Sample ID: DUP-1 — Lab Sample ID: 400-276850-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	1.62	J	10.0	0.632	ug/L	1		8270E	Total/NA
Fluorene	0.944	J	10.0	0.672	ug/L	1		8270E	Total/NA
Phenanthrene	2.59	J	10.0	0.742	ug/L	1		8270E	Total/NA
Sulfate	3.33		1.00	0.390	mg/L	1		9056A	Total/NA
Antimony	0.345	J	5.00	0.340	ug/L	1		6020B	Total Recoverable
Arsenic	1.91	J	3.00	0.860	ug/L	1		6020B	Total Recoverable
Barium	415		5.00	0.890	ug/L	1		6020B	Total Recoverable
Chromium	6.19		5.00	1.20	ug/L	1		6020B	Total Recoverable
Cobalt	4.39		0.500	0.220	ug/L	1		6020B	Total Recoverable
Copper	2.40	J	5.00	1.08	ug/L	1		6020B	Total Recoverable
Lead	0.235	J	2.50	0.210	ug/L	1		6020B	Total Recoverable
Manganese	3810		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	1.01	J	5.00	0.420	ug/L	1		6020B	Total Recoverable
Vanadium	2.33	J	10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	42.3		20.0	2.80	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	1.07		0.0500	0.0460	mg/L	1		350.1	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 400-276850-7

No Detections.

This Detection Summary does not include radiochemical test results.

Sample Summary

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276850-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-276850-1	MW-2	Water	05/30/25 15:30	05/31/25 10:09
400-276850-2	MW-3	Water	05/30/25 16:55	05/31/25 10:09
400-276850-3	MW-5	Water	05/30/25 11:00	05/31/25 10:09
400-276850-4	MW-7	Water	05/30/25 13:00	05/31/25 10:09
400-276850-5	MW-8	Water	05/30/25 14:00	05/31/25 10:09
400-276850-6	DUP-1	Water	05/30/25 11:10	05/31/25 10:09
400-276850-7	TRIP BLANK	Water	05/30/25 00:00	05/31/25 10:09

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276850-1

Client Sample ID: MW-2
Date Collected: 05/30/25 15:30
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276850-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0	10.0	ug/L			06/09/25 11:33	1
Benzene	ND		1.00	0.500	ug/L			06/09/25 11:33	1
Bromobenzene	ND		1.00	0.540	ug/L			06/09/25 11:33	1
Bromoform	ND		5.00	0.250	ug/L			06/09/25 11:33	1
Bromomethane	ND		1.00	0.980	ug/L			06/09/25 11:33	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/09/25 11:33	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/09/25 11:33	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/09/25 11:33	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/09/25 11:33	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/09/25 11:33	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/09/25 11:33	1
Chloroethane	ND		1.00	0.760	ug/L			06/09/25 11:33	1
Chloroform	ND		1.00	0.900	ug/L			06/09/25 11:33	1
Chloromethane	ND		1.00	0.400	ug/L			06/09/25 11:33	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/09/25 11:33	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/09/25 11:33	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/09/25 11:33	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/09/25 11:33	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/09/25 11:33	1
Dibromomethane	ND		5.00	0.220	ug/L			06/09/25 11:33	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/09/25 11:33	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/09/25 11:33	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/09/25 11:33	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/09/25 11:33	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/09/25 11:33	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/09/25 11:33	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/09/25 11:33	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 11:33	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 11:33	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 11:33	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/09/25 11:33	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/09/25 11:33	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/09/25 11:33	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/09/25 11:33	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/09/25 11:33	1
Hexane	ND		1.00	0.960	ug/L			06/09/25 11:33	1
2-Hexanone	ND		25.0	4.26	ug/L			06/09/25 11:33	1
Iodomethane	ND		1.00	0.900	ug/L			06/09/25 11:33	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/09/25 11:33	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/09/25 11:33	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/09/25 11:33	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/09/25 11:33	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/09/25 11:33	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/09/25 11:33	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/09/25 11:33	1
Naphthalene	ND		5.00	3.00	ug/L			06/09/25 11:33	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/09/25 11:33	1
n-Heptane	ND		1.00	0.210	ug/L			06/09/25 11:33	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/09/25 11:33	1

Client Sample ID: MW-2

Date Collected: 05/30/25 15:30
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276850-1

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.00	3.00	ug/L			06/09/25 11:33	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/09/25 11:33	1
Styrene	ND		1.00	1.00	ug/L			06/09/25 11:33	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/09/25 11:33	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/09/25 11:33	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/09/25 11:33	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/09/25 11:33	1
Toluene	ND		1.00	0.900	ug/L			06/09/25 11:33	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/09/25 11:33	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/09/25 11:33	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/09/25 11:33	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/09/25 11:33	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/09/25 11:33	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/09/25 11:33	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/09/25 11:33	1
Trichloroethene	ND		1.00	0.150	ug/L			06/09/25 11:33	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/09/25 11:33	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/09/25 11:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/09/25 11:33	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/09/25 11:33	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/09/25 11:33	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/09/25 11:33	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/09/25 11:33	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/09/25 11:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*56 - 136*		*06/09/25 11:33*	*1*
Dibromofluoromethane	*101*		*79 - 130*		*06/09/25 11:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*59 - 146*		*06/09/25 11:33*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*06/09/25 11:33*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.315	0.315	ug/L		06/05/25 07:00	06/11/25 01:44	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*26*		*10 - 140*	*06/05/25 07:00*	*06/11/25 01:44*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.87	0.414	ug/L		06/04/25 07:00	06/06/25 15:06	1
2,4,5-Trichlorophenol	ND		9.87	0.533	ug/L		06/04/25 07:00	06/06/25 15:06	1
2,4,6-Trichlorophenol	ND		9.87	1.08	ug/L		06/04/25 07:00	06/06/25 15:06	1
2,4-Dichlorophenol	ND		9.87	0.563	ug/L		06/04/25 07:00	06/06/25 15:06	1
2,4-Dimethylphenol	ND		9.87	0.237	ug/L		06/04/25 07:00	06/06/25 15:06	1
2,4-Dinitrophenol	ND		29.6	4.62	ug/L		06/04/25 07:00	06/06/25 15:06	1
2,4-Dinitrotoluene	ND		9.87	0.641	ug/L		06/04/25 07:00	06/06/25 15:06	1
2,6-Dinitrotoluene	ND		9.87	0.286	ug/L		06/04/25 07:00	06/06/25 15:06	1
2-Chloronaphthalene	ND		9.87	0.375	ug/L		06/04/25 07:00	06/06/25 15:06	1
2-Chlorophenol	ND		9.87	0.829	ug/L		06/04/25 07:00	06/06/25 15:06	1
2-Methylnaphthalene	ND		9.87	0.799	ug/L		06/04/25 07:00	06/06/25 15:06	1

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276850-1

Client Sample ID: MW-2
Date Collected: 05/30/25 15:30
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276850-1
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		9.87	0.750	ug/L		06/04/25 07:00	06/06/25 15:06	1
2-Nitroaniline	ND		9.87	1.35	ug/L		06/04/25 07:00	06/06/25 15:06	1
2-Nitrophenol	ND		9.87	1.15	ug/L		06/04/25 07:00	06/06/25 15:06	1
3 & 4 Methylphenol	ND		19.7	4.54	ug/L		06/04/25 07:00	06/06/25 15:06	1
3,3'-Dichlorobenzidine	ND		10.9	0.405	ug/L		06/04/25 07:00	06/06/25 15:06	1
3-Nitroaniline	ND		9.87	0.938	ug/L		06/04/25 07:00	06/06/25 15:06	1
4,6-Dinitro-2-methylphenol	ND		9.87	1.94	ug/L		06/04/25 07:00	06/06/25 15:06	1
4-Bromophenyl phenyl ether	ND		9.87	0.128	ug/L		06/04/25 07:00	06/06/25 15:06	1
4-Chloro-3-methylphenol	ND		9.87	0.720	ug/L		06/04/25 07:00	06/06/25 15:06	1
4-Chloroaniline	ND		9.87	0.276	ug/L		06/04/25 07:00	06/06/25 15:06	1
4-Chlorophenyl phenyl ether	ND		9.87	0.237	ug/L		06/04/25 07:00	06/06/25 15:06	1
4-Nitroaniline	ND		9.87	3.45	ug/L		06/04/25 07:00	06/06/25 15:06	1
4-Nitrophenol	ND		9.87	2.70	ug/L		06/04/25 07:00	06/06/25 15:06	1
Acenaphthene	ND		9.87	0.622	ug/L		06/04/25 07:00	06/06/25 15:06	1
Acenaphthylene	ND		9.87	0.750	ug/L		06/04/25 07:00	06/06/25 15:06	1
Acetophenone	ND		9.87	3.16	ug/L		06/04/25 07:00	06/06/25 15:06	1
Anthracene	ND		9.87	0.898	ug/L		06/04/25 07:00	06/06/25 15:06	1
Atrazine	ND		9.87	1.12	ug/L		06/04/25 07:00	06/06/25 15:06	1
Benzaldehyde	ND		9.87	0.661	ug/L		06/04/25 07:00	06/06/25 15:06	1
Benzo[a]anthracene	ND		9.87	0.987	ug/L		06/04/25 07:00	06/06/25 15:06	1
Benzo[a]pyrene	ND		9.87	1.09	ug/L		06/04/25 07:00	06/06/25 15:06	1
Benzo[b]fluoranthene	ND		9.87	1.18	ug/L		06/04/25 07:00	06/06/25 15:06	1
Benzo[g,h,i]perylene	ND		9.87	1.48	ug/L		06/04/25 07:00	06/06/25 15:06	1
Benzo[k]fluoranthene	ND		9.87	1.48	ug/L		06/04/25 07:00	06/06/25 15:06	1
bis (2-chloroisopropyl) ether	ND		9.87	0.918	ug/L		06/04/25 07:00	06/06/25 15:06	1
Bis(2-chloroethoxy)methane	ND		9.87	0.336	ug/L		06/04/25 07:00	06/06/25 15:06	1
Bis(2-chloroethyl)ether	ND		9.87	0.720	ug/L		06/04/25 07:00	06/06/25 15:06	1
Bis(2-ethylhexyl) phthalate	ND		9.87	3.95	ug/L		06/04/25 07:00	06/06/25 15:06	1
Butyl benzyl phthalate	ND		9.87	3.95	ug/L		06/04/25 07:00	06/06/25 15:06	1
Caprolactam	ND		9.87	2.37	ug/L		06/04/25 07:00	06/06/25 15:06	1
Carbazole	ND		9.87	0.316	ug/L		06/04/25 07:00	06/06/25 15:06	1
Chrysene	ND		9.87	1.18	ug/L		06/04/25 07:00	06/06/25 15:06	1
Dibenz(a,h)anthracene	ND		9.87	1.28	ug/L		06/04/25 07:00	06/06/25 15:06	1
Dibenzofuran	ND		9.87	0.632	ug/L		06/04/25 07:00	06/06/25 15:06	1
Diethyl phthalate	ND		9.87	3.95	ug/L		06/04/25 07:00	06/06/25 15:06	1
Dimethyl phthalate	ND		9.87	3.95	ug/L		06/04/25 07:00	06/06/25 15:06	1
Di-n-butyl phthalate	ND		9.87	3.95	ug/L		06/04/25 07:00	06/06/25 15:06	1
Di-n-octyl phthalate	ND		9.87	3.95	ug/L		06/04/25 07:00	06/06/25 15:06	1
Fluoranthene	ND		9.87	0.622	ug/L		06/04/25 07:00	06/06/25 15:06	1
Fluorene	ND		9.87	0.661	ug/L		06/04/25 07:00	06/06/25 15:06	1
Hexachlorobenzene	ND		9.87	0.247	ug/L		06/04/25 07:00	06/06/25 15:06	1
Hexachlorobutadiene	ND		9.87	0.543	ug/L		06/04/25 07:00	06/06/25 15:06	1
Hexachlorocyclopentadiene	ND		19.7	0.316	ug/L		06/04/25 07:00	06/06/25 15:06	1
Hexachloroethane	ND		9.87	0.523	ug/L		06/04/25 07:00	06/06/25 15:06	1
Indeno[1,2,3-cd]pyrene	ND		9.87	1.09	ug/L		06/04/25 07:00	06/06/25 15:06	1
Isophorone	ND		9.87	0.789	ug/L		06/04/25 07:00	06/06/25 15:06	1
Naphthalene	ND		9.87	0.740	ug/L		06/04/25 07:00	06/06/25 15:06	1
Nitrobenzene	ND		9.87	0.592	ug/L		06/04/25 07:00	06/06/25 15:06	1
N-Nitrosodi-n-propylamine	ND		9.87	0.326	ug/L		06/04/25 07:00	06/06/25 15:06	1

Client Sample ID: MW-2
Date Collected: 05/30/25 15:30
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276850-1
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.87	0.188	ug/L		06/04/25 07:00	06/06/25 15:06	1
Pentachlorophenol	ND		9.87	2.76	ug/L		06/04/25 07:00	06/06/25 15:06	1
Phenanthrene	ND		9.87	0.730	ug/L		06/04/25 07:00	06/06/25 15:06	1
Phenol	ND		9.87	0.671	ug/L		06/04/25 07:00	06/06/25 15:06	1
Pyrene	ND		9.87	0.622	ug/L		06/04/25 07:00	06/06/25 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*83*		*10 - 150*	*06/04/25 07:00*	*06/06/25 15:06*	*1*
2-Fluorobiphenyl (Surr)	*76*		*25 - 139*	*06/04/25 07:00*	*06/06/25 15:06*	*1*
2-Fluorophenol (Surr)	*91*		*10 - 150*	*06/04/25 07:00*	*06/06/25 15:06*	*1*
Nitrobenzene-d5 (Surr)	*83*		*22 - 150*	*06/04/25 07:00*	*06/06/25 15:06*	*1*
Phenol-d5 (Surr)	*100*		*10 - 150*	*06/04/25 07:00*	*06/06/25 15:06*	*1*
Terphenyl-d14 (Surr)	*55*		*28 - 150*	*06/04/25 07:00*	*06/06/25 15:06*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.100	0.0630	mg/L			06/01/25 10:39	1
Sulfate	**10.6**		1.00	0.390	mg/L			06/01/25 10:39	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	0.340	ug/L		06/04/25 05:08	06/04/25 13:17	1
Arsenic	**0.970**	**J**	3.00	0.860	ug/L		06/04/25 05:08	06/04/25 13:17	1
Barium	**422**		5.00	0.890	ug/L		06/04/25 05:08	06/04/25 13:17	1
Beryllium	ND		0.500	0.200	ug/L		06/04/25 05:08	06/04/25 13:17	1
Cadmium	ND		0.500	0.0780	ug/L		06/04/25 05:08	06/04/25 13:17	1
Chromium	ND		5.00	1.20	ug/L		06/04/25 05:08	06/04/25 13:17	1
Cobalt	**1.43**		0.500	0.220	ug/L		06/04/25 05:08	06/04/25 13:17	1
Copper	ND		5.00	1.08	ug/L		06/04/25 05:08	06/04/25 13:17	1
Lead	ND		2.50	0.210	ug/L		06/04/25 05:08	06/04/25 13:17	1
Manganese	**845**		5.00	2.20	ug/L		06/04/25 05:08	06/04/25 13:17	1
Nickel	**0.820**	**J**	5.00	0.420	ug/L		06/04/25 05:08	06/04/25 13:17	1
Selenium	ND		2.50	0.990	ug/L		06/04/25 05:08	06/04/25 13:17	1
Silver	ND		1.00	0.390	ug/L		06/04/25 05:08	06/04/25 13:17	1
Thallium	ND		1.00	0.260	ug/L		06/04/25 05:08	06/04/25 13:17	1
Vanadium	ND		10.0	0.630	ug/L		06/04/25 05:08	06/04/25 13:17	1
Zinc	ND		20.0	2.80	ug/L		06/04/25 05:08	06/04/25 13:17	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0800	ug/L		06/04/25 12:47	06/05/25 09:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**0.808**		0.0500	0.0460	mg/L			06/10/25 14:38	1

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276850-1

Client Sample ID: MW-3
Date Collected: 05/30/25 16:55
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276850-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0	10.0	ug/L			06/09/25 11:59	1
Benzene	ND		1.00	0.500	ug/L			06/09/25 11:59	1
Bromobenzene	ND		1.00	0.540	ug/L			06/09/25 11:59	1
Bromoform	ND		5.00	0.250	ug/L			06/09/25 11:59	1
Bromomethane	ND		1.00	0.980	ug/L			06/09/25 11:59	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/09/25 11:59	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/09/25 11:59	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/09/25 11:59	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/09/25 11:59	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/09/25 11:59	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/09/25 11:59	1
Chloroethane	ND		1.00	0.760	ug/L			06/09/25 11:59	1
Chloroform	ND		1.00	0.900	ug/L			06/09/25 11:59	1
Chloromethane	ND		1.00	0.400	ug/L			06/09/25 11:59	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/09/25 11:59	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/09/25 11:59	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/09/25 11:59	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/09/25 11:59	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/09/25 11:59	1
Dibromomethane	ND		5.00	0.220	ug/L			06/09/25 11:59	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/09/25 11:59	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/09/25 11:59	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/09/25 11:59	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/09/25 11:59	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/09/25 11:59	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/09/25 11:59	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/09/25 11:59	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 11:59	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 11:59	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 11:59	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/09/25 11:59	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/09/25 11:59	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/09/25 11:59	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/09/25 11:59	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/09/25 11:59	1
Hexane	ND		1.00	0.960	ug/L			06/09/25 11:59	1
2-Hexanone	ND		25.0	4.26	ug/L			06/09/25 11:59	1
Iodomethane	ND		1.00	0.900	ug/L			06/09/25 11:59	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/09/25 11:59	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/09/25 11:59	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/09/25 11:59	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/09/25 11:59	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/09/25 11:59	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/09/25 11:59	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/09/25 11:59	1
Naphthalene	ND		5.00	3.00	ug/L			06/09/25 11:59	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/09/25 11:59	1
n-Heptane	ND		1.00	0.210	ug/L			06/09/25 11:59	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/09/25 11:59	1

Client Sample ID: MW-3
Date Collected: 05/30/25 16:55
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276850-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.00	3.00	ug/L			06/09/25 11:59	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/09/25 11:59	1
Styrene	ND		1.00	1.00	ug/L			06/09/25 11:59	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/09/25 11:59	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/09/25 11:59	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/09/25 11:59	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/09/25 11:59	1
Toluene	ND		1.00	0.900	ug/L			06/09/25 11:59	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/09/25 11:59	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/09/25 11:59	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/09/25 11:59	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/09/25 11:59	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/09/25 11:59	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/09/25 11:59	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/09/25 11:59	1
Trichloroethene	ND		1.00	0.150	ug/L			06/09/25 11:59	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/09/25 11:59	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/09/25 11:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/09/25 11:59	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/09/25 11:59	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/09/25 11:59	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/09/25 11:59	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/09/25 11:59	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/09/25 11:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*56 - 136*		*06/09/25 11:59*	*1*
Dibromofluoromethane	*100*		*79 - 130*		*06/09/25 11:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*59 - 146*		*06/09/25 11:59*	*1*
Toluene-d8 (Surr)	*94*		*64 - 132*		*06/09/25 11:59*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.311	0.311	ug/L		06/05/25 07:00	06/11/25 02:06	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*29*		*10 - 140*	*06/05/25 07:00*	*06/11/25 02:06*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.84	0.413	ug/L		06/04/25 07:00	06/06/25 15:43	1
2,4,5-Trichlorophenol	ND		9.84	0.531	ug/L		06/04/25 07:00	06/06/25 15:43	1
2,4,6-Trichlorophenol	ND		9.84	1.07	ug/L		06/04/25 07:00	06/06/25 15:43	1
2,4-Dichlorophenol	ND		9.84	0.561	ug/L		06/04/25 07:00	06/06/25 15:43	1
2,4-Dimethylphenol	ND		9.84	0.236	ug/L		06/04/25 07:00	06/06/25 15:43	1
2,4-Dinitrophenol	ND		29.5	4.60	ug/L		06/04/25 07:00	06/06/25 15:43	1
2,4-Dinitrotoluene	ND		9.84	0.639	ug/L		06/04/25 07:00	06/06/25 15:43	1
2,6-Dinitrotoluene	ND		9.84	0.285	ug/L		06/04/25 07:00	06/06/25 15:43	1
2-Chloronaphthalene	ND		9.84	0.374	ug/L		06/04/25 07:00	06/06/25 15:43	1
2-Chlorophenol	ND		9.84	0.826	ug/L		06/04/25 07:00	06/06/25 15:43	1
2-Methylnaphthalene	ND		9.84	0.797	ug/L		06/04/25 07:00	06/06/25 15:43	1

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276850-1

Client Sample ID: MW-3
Date Collected: 05/30/25 16:55
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276850-2
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		9.84	0.748	ug/L		06/04/25 07:00	06/06/25 15:43	1
2-Nitroaniline	ND		9.84	1.35	ug/L		06/04/25 07:00	06/06/25 15:43	1
2-Nitrophenol	ND		9.84	1.15	ug/L		06/04/25 07:00	06/06/25 15:43	1
3 & 4 Methylphenol	ND		19.7	4.52	ug/L		06/04/25 07:00	06/06/25 15:43	1
3,3'-Dichlorobenzidine	ND		10.8	0.403	ug/L		06/04/25 07:00	06/06/25 15:43	1
3-Nitroaniline	ND		9.84	0.934	ug/L		06/04/25 07:00	06/06/25 15:43	1
4,6-Dinitro-2-methylphenol	ND		9.84	1.94	ug/L		06/04/25 07:00	06/06/25 15:43	1
4-Bromophenyl phenyl ether	ND		9.84	0.128	ug/L		06/04/25 07:00	06/06/25 15:43	1
4-Chloro-3-methylphenol	ND		9.84	0.718	ug/L		06/04/25 07:00	06/06/25 15:43	1
4-Chloroaniline	ND		9.84	0.275	ug/L		06/04/25 07:00	06/06/25 15:43	1
4-Chlorophenyl phenyl ether	ND		9.84	0.236	ug/L		06/04/25 07:00	06/06/25 15:43	1
4-Nitroaniline	ND		9.84	3.44	ug/L		06/04/25 07:00	06/06/25 15:43	1
4-Nitrophenol	ND		9.84	2.70	ug/L		06/04/25 07:00	06/06/25 15:43	1
Acenaphthene	ND		9.84	0.620	ug/L		06/04/25 07:00	06/06/25 15:43	1
Acenaphthylene	ND		9.84	0.748	ug/L		06/04/25 07:00	06/06/25 15:43	1
Acetophenone	ND		9.84	3.15	ug/L		06/04/25 07:00	06/06/25 15:43	1
Anthracene	ND		9.84	0.895	ug/L		06/04/25 07:00	06/06/25 15:43	1
Atrazine	ND		9.84	1.11	ug/L		06/04/25 07:00	06/06/25 15:43	1
Benzaldehyde	ND		9.84	0.659	ug/L		06/04/25 07:00	06/06/25 15:43	1
Benzo[a]anthracene	ND		9.84	0.984	ug/L		06/04/25 07:00	06/06/25 15:43	1
Benzo[a]pyrene	ND		9.84	1.08	ug/L		06/04/25 07:00	06/06/25 15:43	1
Benzo[b]fluoranthene	ND		9.84	1.18	ug/L		06/04/25 07:00	06/06/25 15:43	1
Benzo[g,h,i]perylene	ND		9.84	1.48	ug/L		06/04/25 07:00	06/06/25 15:43	1
Benzo[k]fluoranthene	ND		9.84	1.48	ug/L		06/04/25 07:00	06/06/25 15:43	1
bis (2-chloroisopropyl) ether	ND		9.84	0.915	ug/L		06/04/25 07:00	06/06/25 15:43	1
Bis(2-chloroethoxy)methane	ND		9.84	0.334	ug/L		06/04/25 07:00	06/06/25 15:43	1
Bis(2-chloroethyl)ether	ND		9.84	0.718	ug/L		06/04/25 07:00	06/06/25 15:43	1
Bis(2-ethylhexyl) phthalate	ND		9.84	3.93	ug/L		06/04/25 07:00	06/06/25 15:43	1
Butyl benzyl phthalate	ND		9.84	3.93	ug/L		06/04/25 07:00	06/06/25 15:43	1
Caprolactam	ND		9.84	2.36	ug/L		06/04/25 07:00	06/06/25 15:43	1
Carbazole	ND		9.84	0.315	ug/L		06/04/25 07:00	06/06/25 15:43	1
Chrysene	ND		9.84	1.18	ug/L		06/04/25 07:00	06/06/25 15:43	1
Dibenz(a,h)anthracene	ND		9.84	1.28	ug/L		06/04/25 07:00	06/06/25 15:43	1
Dibenzofuran	ND		9.84	0.630	ug/L		06/04/25 07:00	06/06/25 15:43	1
Diethyl phthalate	ND		9.84	3.93	ug/L		06/04/25 07:00	06/06/25 15:43	1
Dimethyl phthalate	ND		9.84	3.93	ug/L		06/04/25 07:00	06/06/25 15:43	1
Di-n-butyl phthalate	ND		9.84	3.93	ug/L		06/04/25 07:00	06/06/25 15:43	1
Di-n-octyl phthalate	ND		9.84	3.93	ug/L		06/04/25 07:00	06/06/25 15:43	1
Fluoranthene	ND		9.84	0.620	ug/L		06/04/25 07:00	06/06/25 15:43	1
Fluorene	ND		9.84	0.659	ug/L		06/04/25 07:00	06/06/25 15:43	1
Hexachlorobenzene	ND		9.84	0.246	ug/L		06/04/25 07:00	06/06/25 15:43	1
Hexachlorobutadiene	ND		9.84	0.541	ug/L		06/04/25 07:00	06/06/25 15:43	1
Hexachlorocyclopentadiene	ND		19.7	0.315	ug/L		06/04/25 07:00	06/06/25 15:43	1
Hexachloroethane	ND		9.84	0.521	ug/L		06/04/25 07:00	06/06/25 15:43	1
Indeno[1,2,3-cd]pyrene	ND		9.84	1.08	ug/L		06/04/25 07:00	06/06/25 15:43	1
Isophorone	ND		9.84	0.787	ug/L		06/04/25 07:00	06/06/25 15:43	1
Naphthalene	ND		9.84	0.738	ug/L		06/04/25 07:00	06/06/25 15:43	1
Nitrobenzene	ND		9.84	0.590	ug/L		06/04/25 07:00	06/06/25 15:43	1
N-Nitrosodi-n-propylamine	ND		9.84	0.325	ug/L		06/04/25 07:00	06/06/25 15:43	1

Client Sample ID: MW-3

Date Collected: 05/30/25 16:55
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276850-2

Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.84	0.187	ug/L		06/04/25 07:00	06/06/25 15:43	1
Pentachlorophenol	ND		9.84	2.75	ug/L		06/04/25 07:00	06/06/25 15:43	1
Phenanthrene	ND		9.84	0.728	ug/L		06/04/25 07:00	06/06/25 15:43	1
Phenol	ND		9.84	0.669	ug/L		06/04/25 07:00	06/06/25 15:43	1
Pyrene	ND		9.84	0.620	ug/L		06/04/25 07:00	06/06/25 15:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*85*		*10 - 150*	*06/04/25 07:00*	*06/06/25 15:43*	*1*
2-Fluorobiphenyl (Surr)	*74*		*25 - 139*	*06/04/25 07:00*	*06/06/25 15:43*	*1*
2-Fluorophenol (Surr)	*89*		*10 - 150*	*06/04/25 07:00*	*06/06/25 15:43*	*1*
Nitrobenzene-d5 (Surr)	*81*		*22 - 150*	*06/04/25 07:00*	*06/06/25 15:43*	*1*
Phenol-d5 (Surr)	*99*		*10 - 150*	*06/04/25 07:00*	*06/06/25 15:43*	*1*
Terphenyl-d14 (Surr)	*54*		*28 - 150*	*06/04/25 07:00*	*06/06/25 15:43*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.100	0.0630	mg/L			06/01/25 10:48	1
Sulfate	**6.80**		1.00	0.390	mg/L			06/01/25 10:48	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	0.340	ug/L		06/04/25 05:08	06/04/25 13:22	1
Arsenic	**1.29**	**J**	3.00	0.860	ug/L		06/04/25 05:08	06/04/25 13:22	1
Barium	**336**		5.00	0.890	ug/L		06/04/25 05:08	06/04/25 13:22	1
Beryllium	**0.375**	**J**	0.500	0.200	ug/L		06/04/25 05:08	06/04/25 13:22	1
Cadmium	ND		0.500	0.0780	ug/L		06/04/25 05:08	06/04/25 13:22	1
Chromium	**2.11**	**J**	5.00	1.20	ug/L		06/04/25 05:08	06/04/25 13:22	1
Cobalt	**0.980**		0.500	0.220	ug/L		06/04/25 05:08	06/04/25 13:22	1
Copper	**7.78**		5.00	1.08	ug/L		06/04/25 05:08	06/04/25 13:22	1
Lead	**1.98**	**J**	2.50	0.210	ug/L		06/04/25 05:08	06/04/25 13:22	1
Manganese	**56.1**		5.00	2.20	ug/L		06/04/25 05:08	06/04/25 13:22	1
Nickel	**2.41**	**J**	5.00	0.420	ug/L		06/04/25 05:08	06/04/25 13:22	1
Selenium	ND		2.50	0.990	ug/L		06/04/25 05:08	06/04/25 13:22	1
Silver	ND		1.00	0.390	ug/L		06/04/25 05:08	06/04/25 13:22	1
Thallium	ND		1.00	0.260	ug/L		06/04/25 05:08	06/04/25 13:22	1
Vanadium	**3.85**	**J**	10.0	0.630	ug/L		06/04/25 05:08	06/04/25 13:22	1
Zinc	**6.39**	**J**	20.0	2.80	ug/L		06/04/25 05:08	06/04/25 13:22	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0800	ug/L		06/04/25 12:47	06/05/25 09:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		0.0500	0.0460	mg/L			06/10/25 14:52	1

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276850-1

Client Sample ID: MW-5

Date Collected: 05/30/25 11:00
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276850-3

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0	10.0	ug/L			06/09/25 12:24	1
Benzene	ND		1.00	0.500	ug/L			06/09/25 12:24	1
Bromobenzene	ND		1.00	0.540	ug/L			06/09/25 12:24	1
Bromoform	ND		5.00	0.250	ug/L			06/09/25 12:24	1
Bromomethane	ND		1.00	0.980	ug/L			06/09/25 12:24	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/09/25 12:24	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/09/25 12:24	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/09/25 12:24	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/09/25 12:24	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/09/25 12:24	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/09/25 12:24	1
Chloroethane	ND		1.00	0.760	ug/L			06/09/25 12:24	1
Chloroform	ND		1.00	0.900	ug/L			06/09/25 12:24	1
Chloromethane	ND		1.00	0.400	ug/L			06/09/25 12:24	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/09/25 12:24	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/09/25 12:24	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/09/25 12:24	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/09/25 12:24	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/09/25 12:24	1
Dibromomethane	ND		5.00	0.220	ug/L			06/09/25 12:24	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/09/25 12:24	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/09/25 12:24	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/09/25 12:24	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/09/25 12:24	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/09/25 12:24	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/09/25 12:24	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/09/25 12:24	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 12:24	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 12:24	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 12:24	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/09/25 12:24	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/09/25 12:24	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/09/25 12:24	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/09/25 12:24	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/09/25 12:24	1
Hexane	ND		1.00	0.960	ug/L			06/09/25 12:24	1
2-Hexanone	ND		25.0	4.26	ug/L			06/09/25 12:24	1
Iodomethane	ND		1.00	0.900	ug/L			06/09/25 12:24	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/09/25 12:24	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/09/25 12:24	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/09/25 12:24	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/09/25 12:24	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/09/25 12:24	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/09/25 12:24	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/09/25 12:24	1
Naphthalene	ND		5.00	3.00	ug/L			06/09/25 12:24	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/09/25 12:24	1
n-Heptane	ND		1.00	0.210	ug/L			06/09/25 12:24	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/09/25 12:24	1

Client Sample ID: MW-5
Date Collected: 05/30/25 11:00
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276850-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.00	3.00	ug/L			06/09/25 12:24	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/09/25 12:24	1
Styrene	ND		1.00	1.00	ug/L			06/09/25 12:24	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/09/25 12:24	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/09/25 12:24	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/09/25 12:24	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/09/25 12:24	1
Toluene	ND		1.00	0.900	ug/L			06/09/25 12:24	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/09/25 12:24	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/09/25 12:24	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/09/25 12:24	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/09/25 12:24	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/09/25 12:24	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/09/25 12:24	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/09/25 12:24	1
Trichloroethene	**0.212**	**J**	1.00	0.150	ug/L			06/09/25 12:24	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/09/25 12:24	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/09/25 12:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/09/25 12:24	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/09/25 12:24	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/09/25 12:24	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/09/25 12:24	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/09/25 12:24	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/09/25 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*56 - 136*		*06/09/25 12:24*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*06/09/25 12:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*59 - 146*		*06/09/25 12:24*	*1*
Toluene-d8 (Surr)	*94*		*64 - 132*		*06/09/25 12:24*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.345	0.345	ug/L		06/05/25 07:00	06/11/25 02:27	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*20*		*10 - 140*	*06/05/25 07:00*	*06/11/25 02:27*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.87	0.414	ug/L		06/04/25 07:00	06/06/25 16:20	1
2,4,5-Trichlorophenol	ND		9.87	0.533	ug/L		06/04/25 07:00	06/06/25 16:20	1
2,4,6-Trichlorophenol	ND		9.87	1.08	ug/L		06/04/25 07:00	06/06/25 16:20	1
2,4-Dichlorophenol	ND		9.87	0.563	ug/L		06/04/25 07:00	06/06/25 16:20	1
2,4-Dimethylphenol	ND		9.87	0.237	ug/L		06/04/25 07:00	06/06/25 16:20	1
2,4-Dinitrophenol	ND		29.6	4.62	ug/L		06/04/25 07:00	06/06/25 16:20	1
2,4-Dinitrotoluene	ND		9.87	0.641	ug/L		06/04/25 07:00	06/06/25 16:20	1
2,6-Dinitrotoluene	ND		9.87	0.286	ug/L		06/04/25 07:00	06/06/25 16:20	1
2-Chloronaphthalene	ND		9.87	0.375	ug/L		06/04/25 07:00	06/06/25 16:20	1
2-Chlorophenol	ND		9.87	0.829	ug/L		06/04/25 07:00	06/06/25 16:20	1
2-Methylnaphthalene	ND		9.87	0.799	ug/L		06/04/25 07:00	06/06/25 16:20	1

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276850-1

Client Sample ID: MW-5
Date Collected: 05/30/25 11:00
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276850-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		9.87	0.750	ug/L		06/04/25 07:00	06/06/25 16:20	1
2-Nitroaniline	ND		9.87	1.35	ug/L		06/04/25 07:00	06/06/25 16:20	1
2-Nitrophenol	ND		9.87	1.15	ug/L		06/04/25 07:00	06/06/25 16:20	1
3 & 4 Methylphenol	ND		19.7	4.54	ug/L		06/04/25 07:00	06/06/25 16:20	1
3,3'-Dichlorobenzidine	ND		10.9	0.405	ug/L		06/04/25 07:00	06/06/25 16:20	1
3-Nitroaniline	ND		9.87	0.938	ug/L		06/04/25 07:00	06/06/25 16:20	1
4,6-Dinitro-2-methylphenol	ND		9.87	1.94	ug/L		06/04/25 07:00	06/06/25 16:20	1
4-Bromophenyl phenyl ether	ND		9.87	0.128	ug/L		06/04/25 07:00	06/06/25 16:20	1
4-Chloro-3-methylphenol	ND		9.87	0.720	ug/L		06/04/25 07:00	06/06/25 16:20	1
4-Chloroaniline	ND		9.87	0.276	ug/L		06/04/25 07:00	06/06/25 16:20	1
4-Chlorophenyl phenyl ether	ND		9.87	0.237	ug/L		06/04/25 07:00	06/06/25 16:20	1
4-Nitroaniline	ND		9.87	3.45	ug/L		06/04/25 07:00	06/06/25 16:20	1
4-Nitrophenol	ND		9.87	2.70	ug/L		06/04/25 07:00	06/06/25 16:20	1
Acenaphthene	**1.28**	**J**	9.87	0.622	ug/L		06/04/25 07:00	06/06/25 16:20	1
Acenaphthylene	ND		9.87	0.750	ug/L		06/04/25 07:00	06/06/25 16:20	1
Acetophenone	ND		9.87	3.16	ug/L		06/04/25 07:00	06/06/25 16:20	1
Anthracene	ND		9.87	0.898	ug/L		06/04/25 07:00	06/06/25 16:20	1
Atrazine	ND		9.87	1.12	ug/L		06/04/25 07:00	06/06/25 16:20	1
Benzaldehyde	ND		9.87	0.661	ug/L		06/04/25 07:00	06/06/25 16:20	1
Benzo[a]anthracene	ND		9.87	0.987	ug/L		06/04/25 07:00	06/06/25 16:20	1
Benzo[a]pyrene	ND		9.87	1.09	ug/L		06/04/25 07:00	06/06/25 16:20	1
Benzo[b]fluoranthene	ND		9.87	1.18	ug/L		06/04/25 07:00	06/06/25 16:20	1
Benzo[g,h,i]perylene	ND		9.87	1.48	ug/L		06/04/25 07:00	06/06/25 16:20	1
Benzo[k]fluoranthene	ND		9.87	1.48	ug/L		06/04/25 07:00	06/06/25 16:20	1
bis (2-chloroisopropyl) ether	ND		9.87	0.918	ug/L		06/04/25 07:00	06/06/25 16:20	1
Bis(2-chloroethoxy)methane	ND		9.87	0.336	ug/L		06/04/25 07:00	06/06/25 16:20	1
Bis(2-chloroethyl)ether	ND		9.87	0.720	ug/L		06/04/25 07:00	06/06/25 16:20	1
Bis(2-ethylhexyl) phthalate	ND		9.87	3.95	ug/L		06/04/25 07:00	06/06/25 16:20	1
Butyl benzyl phthalate	ND		9.87	3.95	ug/L		06/04/25 07:00	06/06/25 16:20	1
Caprolactam	ND		9.87	2.37	ug/L		06/04/25 07:00	06/06/25 16:20	1
Carbazole	ND		9.87	0.316	ug/L		06/04/25 07:00	06/06/25 16:20	1
Chrysene	ND		9.87	1.18	ug/L		06/04/25 07:00	06/06/25 16:20	1
Dibenz(a,h)anthracene	ND		9.87	1.28	ug/L		06/04/25 07:00	06/06/25 16:20	1
Dibenzofuran	ND		9.87	0.632	ug/L		06/04/25 07:00	06/06/25 16:20	1
Diethyl phthalate	ND		9.87	3.95	ug/L		06/04/25 07:00	06/06/25 16:20	1
Dimethyl phthalate	ND		9.87	3.95	ug/L		06/04/25 07:00	06/06/25 16:20	1
Di-n-butyl phthalate	ND		9.87	3.95	ug/L		06/04/25 07:00	06/06/25 16:20	1
Di-n-octyl phthalate	ND		9.87	3.95	ug/L		06/04/25 07:00	06/06/25 16:20	1
Fluoranthene	ND		9.87	0.622	ug/L		06/04/25 07:00	06/06/25 16:20	1
Fluorene	**0.694**	**J**	9.87	0.661	ug/L		06/04/25 07:00	06/06/25 16:20	1
Hexachlorobenzene	ND		9.87	0.247	ug/L		06/04/25 07:00	06/06/25 16:20	1
Hexachlorobutadiene	ND		9.87	0.543	ug/L		06/04/25 07:00	06/06/25 16:20	1
Hexachlorocyclopentadiene	ND		19.7	0.316	ug/L		06/04/25 07:00	06/06/25 16:20	1
Hexachloroethane	ND		9.87	0.523	ug/L		06/04/25 07:00	06/06/25 16:20	1
Indeno[1,2,3-cd]pyrene	ND		9.87	1.09	ug/L		06/04/25 07:00	06/06/25 16:20	1
Isophorone	ND		9.87	0.789	ug/L		06/04/25 07:00	06/06/25 16:20	1
Naphthalene	ND		9.87	0.740	ug/L		06/04/25 07:00	06/06/25 16:20	1
Nitrobenzene	ND		9.87	0.592	ug/L		06/04/25 07:00	06/06/25 16:20	1
N-Nitrosodi-n-propylamine	ND		9.87	0.326	ug/L		06/04/25 07:00	06/06/25 16:20	1

Client Sample ID: MW-5

Date Collected: 05/30/25 11:00
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276850-3

Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.87	0.188	ug/L		06/04/25 07:00	06/06/25 16:20	1
Pentachlorophenol	ND		9.87	2.76	ug/L		06/04/25 07:00	06/06/25 16:20	1
Phenanthrene	**2.32**	**J**	9.87	0.730	ug/L		06/04/25 07:00	06/06/25 16:20	1
Phenol	ND		9.87	0.671	ug/L		06/04/25 07:00	06/06/25 16:20	1
Pyrene	ND		9.87	0.622	ug/L		06/04/25 07:00	06/06/25 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*10 - 150*	*06/04/25 07:00*	*06/06/25 16:20*	*1*
2-Fluorobiphenyl (Surr)	*73*		*25 - 139*	*06/04/25 07:00*	*06/06/25 16:20*	*1*
2-Fluorophenol (Surr)	*87*		*10 - 150*	*06/04/25 07:00*	*06/06/25 16:20*	*1*
Nitrobenzene-d5 (Surr)	*80*		*22 - 150*	*06/04/25 07:00*	*06/06/25 16:20*	*1*
Phenol-d5 (Surr)	*97*		*10 - 150*	*06/04/25 07:00*	*06/06/25 16:20*	*1*
Terphenyl-d14 (Surr)	*48*		*28 - 150*	*06/04/25 07:00*	*06/06/25 16:20*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.100	0.0630	mg/L			06/01/25 09:48	1
Sulfate	**3.26**		1.00	0.390	mg/L			06/01/25 09:48	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.535**	**J**	5.00	0.340	ug/L		06/04/25 05:08	06/04/25 13:15	1
Arsenic	**1.77**	**J**	3.00	0.860	ug/L		06/04/25 05:08	06/04/25 13:15	1
Barium	**361**		5.00	0.890	ug/L		06/04/25 05:08	06/04/25 13:15	1
Beryllium	ND		0.500	0.200	ug/L		06/04/25 05:08	06/04/25 13:15	1
Cadmium	ND		0.500	0.0780	ug/L		06/04/25 05:08	06/04/25 13:15	1
Chromium	**9.53**		5.00	1.20	ug/L		06/04/25 05:08	06/04/25 13:15	1
Cobalt	**3.95**		0.500	0.220	ug/L		06/04/25 05:08	06/04/25 13:15	1
Copper	**3.70**	**J**	5.00	1.08	ug/L		06/04/25 05:08	06/04/25 13:15	1
Lead	**0.335**	**J**	2.50	0.210	ug/L		06/04/25 05:08	06/04/25 13:15	1
Manganese	**3410**		5.00	2.20	ug/L		06/04/25 05:08	06/04/25 13:15	1
Nickel	**1.13**	**J**	5.00	0.420	ug/L		06/04/25 05:08	06/04/25 13:15	1
Selenium	ND		2.50	0.990	ug/L		06/04/25 05:08	06/04/25 13:15	1
Silver	ND		1.00	0.390	ug/L		06/04/25 05:08	06/04/25 13:15	1
Thallium	ND		1.00	0.260	ug/L		06/04/25 05:08	06/04/25 13:15	1
Vanadium	**3.35**	**J**	10.0	0.630	ug/L		06/04/25 05:08	06/04/25 13:15	1
Zinc	**52.8**		20.0	2.80	ug/L		06/04/25 05:08	06/04/25 13:15	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0800	ug/L		06/04/25 12:47	06/05/25 09:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**0.950**		0.0500	0.0460	mg/L			06/10/25 14:54	1

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276850-1

Client Sample ID: MW-7

Date Collected: 05/30/25 13:00
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276850-4

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0	10.0	ug/L			06/09/25 14:58	1
Benzene	ND		1.00	0.500	ug/L			06/09/25 14:58	1
Bromobenzene	ND		1.00	0.540	ug/L			06/09/25 14:58	1
Bromoform	ND		5.00	0.250	ug/L			06/09/25 14:58	1
Bromomethane	ND		1.00	0.980	ug/L			06/09/25 14:58	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/09/25 14:58	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/09/25 14:58	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/09/25 14:58	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/09/25 14:58	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/09/25 14:58	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/09/25 14:58	1
Chloroethane	ND		1.00	0.760	ug/L			06/09/25 14:58	1
Chloroform	ND		1.00	0.900	ug/L			06/09/25 14:58	1
Chloromethane	ND		1.00	0.400	ug/L			06/09/25 14:58	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/09/25 14:58	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/09/25 14:58	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/09/25 14:58	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/09/25 14:58	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/09/25 14:58	1
Dibromomethane	ND		5.00	0.220	ug/L			06/09/25 14:58	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/09/25 14:58	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/09/25 14:58	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/09/25 14:58	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/09/25 14:58	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/09/25 14:58	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/09/25 14:58	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/09/25 14:58	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 14:58	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 14:58	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 14:58	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/09/25 14:58	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/09/25 14:58	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/09/25 14:58	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/09/25 14:58	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/09/25 14:58	1
Hexane	ND		1.00	0.960	ug/L			06/09/25 14:58	1
2-Hexanone	ND		25.0	4.26	ug/L			06/09/25 14:58	1
Iodomethane	ND		1.00	0.900	ug/L			06/09/25 14:58	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/09/25 14:58	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/09/25 14:58	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/09/25 14:58	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/09/25 14:58	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/09/25 14:58	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/09/25 14:58	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/09/25 14:58	1
Naphthalene	ND		5.00	3.00	ug/L			06/09/25 14:58	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/09/25 14:58	1
n-Heptane	ND		1.00	0.210	ug/L			06/09/25 14:58	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/09/25 14:58	1

Client Sample ID: MW-7
Date Collected: 05/30/25 13:00
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276850-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.00	3.00	ug/L			06/09/25 14:58	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/09/25 14:58	1
Styrene	ND		1.00	1.00	ug/L			06/09/25 14:58	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/09/25 14:58	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/09/25 14:58	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/09/25 14:58	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/09/25 14:58	1
Toluene	ND		1.00	0.900	ug/L			06/09/25 14:58	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/09/25 14:58	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/09/25 14:58	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/09/25 14:58	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/09/25 14:58	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/09/25 14:58	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/09/25 14:58	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/09/25 14:58	1
Trichloroethene	ND		1.00	0.150	ug/L			06/09/25 14:58	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/09/25 14:58	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/09/25 14:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/09/25 14:58	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/09/25 14:58	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/09/25 14:58	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/09/25 14:58	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/09/25 14:58	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/09/25 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*56 - 136*		*06/09/25 14:58*	*1*
Dibromofluoromethane	*99*		*79 - 130*		*06/09/25 14:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*59 - 146*		*06/09/25 14:58*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*06/09/25 14:58*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.295	0.295	ug/L		06/05/25 07:00	06/11/25 02:49	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*27*		*10 - 140*	*06/05/25 07:00*	*06/11/25 02:49*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.84	0.413	ug/L		06/04/25 07:00	06/06/25 16:56	1
2,4,5-Trichlorophenol	ND		9.84	0.531	ug/L		06/04/25 07:00	06/06/25 16:56	1
2,4,6-Trichlorophenol	ND		9.84	1.07	ug/L		06/04/25 07:00	06/06/25 16:56	1
2,4-Dichlorophenol	ND		9.84	0.561	ug/L		06/04/25 07:00	06/06/25 16:56	1
2,4-Dimethylphenol	ND		9.84	0.236	ug/L		06/04/25 07:00	06/06/25 16:56	1
2,4-Dinitrophenol	ND		29.5	4.60	ug/L		06/04/25 07:00	06/06/25 16:56	1
2,4-Dinitrotoluene	ND		9.84	0.639	ug/L		06/04/25 07:00	06/06/25 16:56	1
2,6-Dinitrotoluene	ND		9.84	0.285	ug/L		06/04/25 07:00	06/06/25 16:56	1
2-Chloronaphthalene	ND		9.84	0.374	ug/L		06/04/25 07:00	06/06/25 16:56	1
2-Chlorophenol	ND		9.84	0.826	ug/L		06/04/25 07:00	06/06/25 16:56	1
2-Methylnaphthalene	ND		9.84	0.797	ug/L		06/04/25 07:00	06/06/25 16:56	1

Client Sample ID: MW-7
Date Collected: 05/30/25 13:00
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276850-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		9.84	0.748	ug/L		06/04/25 07:00	06/06/25 16:56	1
2-Nitroaniline	ND		9.84	1.35	ug/L		06/04/25 07:00	06/06/25 16:56	1
2-Nitrophenol	ND		9.84	1.15	ug/L		06/04/25 07:00	06/06/25 16:56	1
3 & 4 Methylphenol	ND		19.7	4.52	ug/L		06/04/25 07:00	06/06/25 16:56	1
3,3'-Dichlorobenzidine	ND		10.8	0.403	ug/L		06/04/25 07:00	06/06/25 16:56	1
3-Nitroaniline	ND		9.84	0.934	ug/L		06/04/25 07:00	06/06/25 16:56	1
4,6-Dinitro-2-methylphenol	ND		9.84	1.94	ug/L		06/04/25 07:00	06/06/25 16:56	1
4-Bromophenyl phenyl ether	ND		9.84	0.128	ug/L		06/04/25 07:00	06/06/25 16:56	1
4-Chloro-3-methylphenol	ND		9.84	0.718	ug/L		06/04/25 07:00	06/06/25 16:56	1
4-Chloroaniline	ND		9.84	0.275	ug/L		06/04/25 07:00	06/06/25 16:56	1
4-Chlorophenyl phenyl ether	ND		9.84	0.236	ug/L		06/04/25 07:00	06/06/25 16:56	1
4-Nitroaniline	ND		9.84	3.44	ug/L		06/04/25 07:00	06/06/25 16:56	1
4-Nitrophenol	ND		9.84	2.70	ug/L		06/04/25 07:00	06/06/25 16:56	1
Acenaphthene	ND		9.84	0.620	ug/L		06/04/25 07:00	06/06/25 16:56	1
Acenaphthylene	ND		9.84	0.748	ug/L		06/04/25 07:00	06/06/25 16:56	1
Acetophenone	ND		9.84	3.15	ug/L		06/04/25 07:00	06/06/25 16:56	1
Anthracene	ND		9.84	0.895	ug/L		06/04/25 07:00	06/06/25 16:56	1
Atrazine	ND		9.84	1.11	ug/L		06/04/25 07:00	06/06/25 16:56	1
Benzaldehyde	ND		9.84	0.659	ug/L		06/04/25 07:00	06/06/25 16:56	1
Benzo[a]anthracene	ND		9.84	0.984	ug/L		06/04/25 07:00	06/06/25 16:56	1
Benzo[a]pyrene	ND		9.84	1.08	ug/L		06/04/25 07:00	06/06/25 16:56	1
Benzo[b]fluoranthene	ND		9.84	1.18	ug/L		06/04/25 07:00	06/06/25 16:56	1
Benzo[g,h,i]perylene	ND		9.84	1.48	ug/L		06/04/25 07:00	06/06/25 16:56	1
Benzo[k]fluoranthene	ND		9.84	1.48	ug/L		06/04/25 07:00	06/06/25 16:56	1
bis (2-chloroisopropyl) ether	ND		9.84	0.915	ug/L		06/04/25 07:00	06/06/25 16:56	1
Bis(2-chloroethoxy)methane	ND		9.84	0.334	ug/L		06/04/25 07:00	06/06/25 16:56	1
Bis(2-chloroethyl)ether	ND		9.84	0.718	ug/L		06/04/25 07:00	06/06/25 16:56	1
Bis(2-ethylhexyl) phthalate	ND		9.84	3.93	ug/L		06/04/25 07:00	06/06/25 16:56	1
Butyl benzyl phthalate	ND		9.84	3.93	ug/L		06/04/25 07:00	06/06/25 16:56	1
Caprolactam	ND		9.84	2.36	ug/L		06/04/25 07:00	06/06/25 16:56	1
Carbazole	ND		9.84	0.315	ug/L		06/04/25 07:00	06/06/25 16:56	1
Chrysene	ND		9.84	1.18	ug/L		06/04/25 07:00	06/06/25 16:56	1
Dibenz(a,h)anthracene	ND		9.84	1.28	ug/L		06/04/25 07:00	06/06/25 16:56	1
Dibenzofuran	ND		9.84	0.630	ug/L		06/04/25 07:00	06/06/25 16:56	1
Diethyl phthalate	ND		9.84	3.93	ug/L		06/04/25 07:00	06/06/25 16:56	1
Dimethyl phthalate	ND		9.84	3.93	ug/L		06/04/25 07:00	06/06/25 16:56	1
Di-n-butyl phthalate	ND		9.84	3.93	ug/L		06/04/25 07:00	06/06/25 16:56	1
Di-n-octyl phthalate	ND		9.84	3.93	ug/L		06/04/25 07:00	06/06/25 16:56	1
Fluoranthene	ND		9.84	0.620	ug/L		06/04/25 07:00	06/06/25 16:56	1
Fluorene	ND		9.84	0.659	ug/L		06/04/25 07:00	06/06/25 16:56	1
Hexachlorobenzene	ND		9.84	0.246	ug/L		06/04/25 07:00	06/06/25 16:56	1
Hexachlorobutadiene	ND		9.84	0.541	ug/L		06/04/25 07:00	06/06/25 16:56	1
Hexachlorocyclopentadiene	ND		19.7	0.315	ug/L		06/04/25 07:00	06/06/25 16:56	1
Hexachloroethane	ND		9.84	0.521	ug/L		06/04/25 07:00	06/06/25 16:56	1
Indeno[1,2,3-cd]pyrene	ND		9.84	1.08	ug/L		06/04/25 07:00	06/06/25 16:56	1
Isophorone	ND		9.84	0.787	ug/L		06/04/25 07:00	06/06/25 16:56	1
Naphthalene	ND		9.84	0.738	ug/L		06/04/25 07:00	06/06/25 16:56	1
Nitrobenzene	ND		9.84	0.590	ug/L		06/04/25 07:00	06/06/25 16:56	1
N-Nitrosodi-n-propylamine	ND		9.84	0.325	ug/L		06/04/25 07:00	06/06/25 16:56	1

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276850-1

Client Sample ID: MW-7
Date Collected: 05/30/25 13:00
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276850-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.84	0.187	ug/L		06/04/25 07:00	06/06/25 16:56	1
Pentachlorophenol	ND		9.84	2.75	ug/L		06/04/25 07:00	06/06/25 16:56	1
Phenanthrene	ND		9.84	0.728	ug/L		06/04/25 07:00	06/06/25 16:56	1
Phenol	ND		9.84	0.669	ug/L		06/04/25 07:00	06/06/25 16:56	1
Pyrene	ND		9.84	0.620	ug/L		06/04/25 07:00	06/06/25 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*77*		*10 - 150*	*06/04/25 07:00*	*06/06/25 16:56*	*1*
2-Fluorobiphenyl (Surr)	*69*		*25 - 139*	*06/04/25 07:00*	*06/06/25 16:56*	*1*
2-Fluorophenol (Surr)	*85*		*10 - 150*	*06/04/25 07:00*	*06/06/25 16:56*	*1*
Nitrobenzene-d5 (Surr)	*78*		*22 - 150*	*06/04/25 07:00*	*06/06/25 16:56*	*1*
Phenol-d5 (Surr)	*94*		*10 - 150*	*06/04/25 07:00*	*06/06/25 16:56*	*1*
Terphenyl-d14 (Surr)	*49*		*28 - 150*	*06/04/25 07:00*	*06/06/25 16:56*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**25.0**	**E**	0.100	0.0630	mg/L			06/01/25 10:22	1
Nitrate as N	**18.1**	**H**	0.500	0.315	mg/L			06/04/25 21:05	5
Sulfate	**3.72**		1.00	0.390	mg/L			06/01/25 10:22	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	0.340	ug/L		06/04/25 05:08	06/04/25 13:28	1
Arsenic	ND		3.00	0.860	ug/L		06/04/25 05:08	06/04/25 13:28	1
Barium	**482**		5.00	0.890	ug/L		06/04/25 05:08	06/04/25 13:28	1
Beryllium	ND		0.500	0.200	ug/L		06/04/25 05:08	06/04/25 13:28	1
Cadmium	ND		0.500	0.0780	ug/L		06/04/25 05:08	06/04/25 13:28	1
Chromium	**4.16**	**J**	5.00	1.20	ug/L		06/04/25 05:08	06/04/25 13:28	1
Cobalt	**0.595**		0.500	0.220	ug/L		06/04/25 05:08	06/04/25 13:28	1
Copper	ND		5.00	1.08	ug/L		06/04/25 05:08	06/04/25 13:28	1
Lead	ND		2.50	0.210	ug/L		06/04/25 05:08	06/04/25 13:28	1
Manganese	**109**		5.00	2.20	ug/L		06/04/25 05:08	06/04/25 13:28	1
Nickel	**1.94**	**J**	5.00	0.420	ug/L		06/04/25 05:08	06/04/25 13:28	1
Selenium	ND		2.50	0.990	ug/L		06/04/25 05:08	06/04/25 13:28	1
Silver	ND		1.00	0.390	ug/L		06/04/25 05:08	06/04/25 13:28	1
Thallium	ND		1.00	0.260	ug/L		06/04/25 05:08	06/04/25 13:28	1
Vanadium	**1.55**	**J**	10.0	0.630	ug/L		06/04/25 05:08	06/04/25 13:28	1
Zinc	**3.15**	**J**	20.0	2.80	ug/L		06/04/25 05:08	06/04/25 13:28	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0800	ug/L		06/04/25 12:47	06/05/25 09:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		0.0500	0.0460	mg/L			06/10/25 14:57	1

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276850-1

Client Sample ID: MW-8

Date Collected: 05/30/25 14:00
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276850-5

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0	10.0	ug/L			06/09/25 15:24	1
Benzene	ND		1.00	0.500	ug/L			06/09/25 15:24	1
Bromobenzene	ND		1.00	0.540	ug/L			06/09/25 15:24	1
Bromoform	ND		5.00	0.250	ug/L			06/09/25 15:24	1
Bromomethane	ND		1.00	0.980	ug/L			06/09/25 15:24	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/09/25 15:24	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/09/25 15:24	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/09/25 15:24	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/09/25 15:24	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/09/25 15:24	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/09/25 15:24	1
Chloroethane	ND		1.00	0.760	ug/L			06/09/25 15:24	1
Chloroform	ND		1.00	0.900	ug/L			06/09/25 15:24	1
Chloromethane	ND		1.00	0.400	ug/L			06/09/25 15:24	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/09/25 15:24	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/09/25 15:24	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/09/25 15:24	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/09/25 15:24	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/09/25 15:24	1
Dibromomethane	ND		5.00	0.220	ug/L			06/09/25 15:24	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/09/25 15:24	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/09/25 15:24	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/09/25 15:24	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/09/25 15:24	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/09/25 15:24	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/09/25 15:24	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/09/25 15:24	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 15:24	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 15:24	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 15:24	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/09/25 15:24	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/09/25 15:24	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/09/25 15:24	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/09/25 15:24	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/09/25 15:24	1
Hexane	ND		1.00	0.960	ug/L			06/09/25 15:24	1
2-Hexanone	ND		25.0	4.26	ug/L			06/09/25 15:24	1
Iodomethane	ND		1.00	0.900	ug/L			06/09/25 15:24	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/09/25 15:24	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/09/25 15:24	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/09/25 15:24	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/09/25 15:24	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/09/25 15:24	1
Methyl tert-butyl ether	**16.7**		1.00	0.220	ug/L			06/09/25 15:24	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/09/25 15:24	1
Naphthalene	ND		5.00	3.00	ug/L			06/09/25 15:24	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/09/25 15:24	1
n-Heptane	ND		1.00	0.210	ug/L			06/09/25 15:24	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/09/25 15:24	1

Client Sample ID: MW-8

Date Collected: 05/30/25 14:00
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276850-5

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.00	3.00	ug/L			06/09/25 15:24	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/09/25 15:24	1
Styrene	ND		1.00	1.00	ug/L			06/09/25 15:24	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/09/25 15:24	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/09/25 15:24	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/09/25 15:24	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/09/25 15:24	1
Toluene	ND		1.00	0.900	ug/L			06/09/25 15:24	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/09/25 15:24	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/09/25 15:24	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/09/25 15:24	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/09/25 15:24	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/09/25 15:24	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/09/25 15:24	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/09/25 15:24	1
Trichloroethene	ND		1.00	0.150	ug/L			06/09/25 15:24	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/09/25 15:24	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/09/25 15:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/09/25 15:24	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/09/25 15:24	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/09/25 15:24	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/09/25 15:24	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/09/25 15:24	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/09/25 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*56 - 136*		*06/09/25 15:24*	*1*
Dibromofluoromethane	*99*		*79 - 130*		*06/09/25 15:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*59 - 146*		*06/09/25 15:24*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*06/09/25 15:24*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.332	0.332	ug/L		06/05/25 07:00	06/11/25 03:11	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*27*		*10 - 140*	*06/05/25 07:00*	*06/11/25 03:11*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.84	0.413	ug/L		06/04/25 07:00	06/06/25 17:34	1
2,4,5-Trichlorophenol	ND		9.84	0.531	ug/L		06/04/25 07:00	06/06/25 17:34	1
2,4,6-Trichlorophenol	ND		9.84	1.07	ug/L		06/04/25 07:00	06/06/25 17:34	1
2,4-Dichlorophenol	ND		9.84	0.561	ug/L		06/04/25 07:00	06/06/25 17:34	1
2,4-Dimethylphenol	ND		9.84	0.236	ug/L		06/04/25 07:00	06/06/25 17:34	1
2,4-Dinitrophenol	ND		29.5	4.60	ug/L		06/04/25 07:00	06/06/25 17:34	1
2,4-Dinitrotoluene	ND		9.84	0.639	ug/L		06/04/25 07:00	06/06/25 17:34	1
2,6-Dinitrotoluene	ND		9.84	0.285	ug/L		06/04/25 07:00	06/06/25 17:34	1
2-Chloronaphthalene	ND		9.84	0.374	ug/L		06/04/25 07:00	06/06/25 17:34	1
2-Chlorophenol	ND		9.84	0.826	ug/L		06/04/25 07:00	06/06/25 17:34	1
2-Methylnaphthalene	ND		9.84	0.797	ug/L		06/04/25 07:00	06/06/25 17:34	1

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276850-1

Client Sample ID: MW-8
Date Collected: 05/30/25 14:00
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276850-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		9.84	0.748	ug/L		06/04/25 07:00	06/06/25 17:34	1
2-Nitroaniline	ND		9.84	1.35	ug/L		06/04/25 07:00	06/06/25 17:34	1
2-Nitrophenol	ND		9.84	1.15	ug/L		06/04/25 07:00	06/06/25 17:34	1
3 & 4 Methylphenol	ND		19.7	4.52	ug/L		06/04/25 07:00	06/06/25 17:34	1
3,3'-Dichlorobenzidine	ND		10.8	0.403	ug/L		06/04/25 07:00	06/06/25 17:34	1
3-Nitroaniline	ND		9.84	0.934	ug/L		06/04/25 07:00	06/06/25 17:34	1
4,6-Dinitro-2-methylphenol	ND		9.84	1.94	ug/L		06/04/25 07:00	06/06/25 17:34	1
4-Bromophenyl phenyl ether	ND		9.84	0.128	ug/L		06/04/25 07:00	06/06/25 17:34	1
4-Chloro-3-methylphenol	ND		9.84	0.718	ug/L		06/04/25 07:00	06/06/25 17:34	1
4-Chloroaniline	ND		9.84	0.275	ug/L		06/04/25 07:00	06/06/25 17:34	1
4-Chlorophenyl phenyl ether	ND		9.84	0.236	ug/L		06/04/25 07:00	06/06/25 17:34	1
4-Nitroaniline	ND		9.84	3.44	ug/L		06/04/25 07:00	06/06/25 17:34	1
4-Nitrophenol	ND		9.84	2.70	ug/L		06/04/25 07:00	06/06/25 17:34	1
Acenaphthene	ND		9.84	0.620	ug/L		06/04/25 07:00	06/06/25 17:34	1
Acenaphthylene	ND		9.84	0.748	ug/L		06/04/25 07:00	06/06/25 17:34	1
Acetophenone	ND		9.84	3.15	ug/L		06/04/25 07:00	06/06/25 17:34	1
Anthracene	ND		9.84	0.895	ug/L		06/04/25 07:00	06/06/25 17:34	1
Atrazine	ND		9.84	1.11	ug/L		06/04/25 07:00	06/06/25 17:34	1
Benzaldehyde	ND		9.84	0.659	ug/L		06/04/25 07:00	06/06/25 17:34	1
Benzo[a]anthracene	ND		9.84	0.984	ug/L		06/04/25 07:00	06/06/25 17:34	1
Benzo[a]pyrene	ND		9.84	1.08	ug/L		06/04/25 07:00	06/06/25 17:34	1
Benzo[b]fluoranthene	ND		9.84	1.18	ug/L		06/04/25 07:00	06/06/25 17:34	1
Benzo[g,h,i]perylene	ND		9.84	1.48	ug/L		06/04/25 07:00	06/06/25 17:34	1
Benzo[k]fluoranthene	ND		9.84	1.48	ug/L		06/04/25 07:00	06/06/25 17:34	1
bis (2-chloroisopropyl) ether	ND		9.84	0.915	ug/L		06/04/25 07:00	06/06/25 17:34	1
Bis(2-chloroethoxy)methane	ND		9.84	0.334	ug/L		06/04/25 07:00	06/06/25 17:34	1
Bis(2-chloroethyl)ether	ND		9.84	0.718	ug/L		06/04/25 07:00	06/06/25 17:34	1
Bis(2-ethylhexyl) phthalate	ND		9.84	3.93	ug/L		06/04/25 07:00	06/06/25 17:34	1
Butyl benzyl phthalate	ND		9.84	3.93	ug/L		06/04/25 07:00	06/06/25 17:34	1
Caprolactam	**54.6**		9.84	2.36	ug/L		06/04/25 07:00	06/06/25 17:34	1
Carbazole	ND		9.84	0.315	ug/L		06/04/25 07:00	06/06/25 17:34	1
Chrysene	ND		9.84	1.18	ug/L		06/04/25 07:00	06/06/25 17:34	1
Dibenz(a,h)anthracene	ND		9.84	1.28	ug/L		06/04/25 07:00	06/06/25 17:34	1
Dibenzofuran	ND		9.84	0.630	ug/L		06/04/25 07:00	06/06/25 17:34	1
Diethyl phthalate	ND		9.84	3.93	ug/L		06/04/25 07:00	06/06/25 17:34	1
Dimethyl phthalate	ND		9.84	3.93	ug/L		06/04/25 07:00	06/06/25 17:34	1
Di-n-butyl phthalate	ND		9.84	3.93	ug/L		06/04/25 07:00	06/06/25 17:34	1
Di-n-octyl phthalate	ND		9.84	3.93	ug/L		06/04/25 07:00	06/06/25 17:34	1
Fluoranthene	ND		9.84	0.620	ug/L		06/04/25 07:00	06/06/25 17:34	1
Fluorene	ND		9.84	0.659	ug/L		06/04/25 07:00	06/06/25 17:34	1
Hexachlorobenzene	ND		9.84	0.246	ug/L		06/04/25 07:00	06/06/25 17:34	1
Hexachlorobutadiene	ND		9.84	0.541	ug/L		06/04/25 07:00	06/06/25 17:34	1
Hexachlorocyclopentadiene	ND		19.7	0.315	ug/L		06/04/25 07:00	06/06/25 17:34	1
Hexachloroethane	ND		9.84	0.521	ug/L		06/04/25 07:00	06/06/25 17:34	1
Indeno[1,2,3-cd]pyrene	ND		9.84	1.08	ug/L		06/04/25 07:00	06/06/25 17:34	1
Isophorone	ND		9.84	0.787	ug/L		06/04/25 07:00	06/06/25 17:34	1
Naphthalene	ND		9.84	0.738	ug/L		06/04/25 07:00	06/06/25 17:34	1
Nitrobenzene	ND		9.84	0.590	ug/L		06/04/25 07:00	06/06/25 17:34	1
N-Nitrosodi-n-propylamine	ND		9.84	0.325	ug/L		06/04/25 07:00	06/06/25 17:34	1

Client Sample ID: MW-8

Date Collected: 05/30/25 14:00
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276850-5

Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.84	0.187	ug/L		06/04/25 07:00	06/06/25 17:34	1
Pentachlorophenol	ND		9.84	2.75	ug/L		06/04/25 07:00	06/06/25 17:34	1
Phenanthrene	ND		9.84	0.728	ug/L		06/04/25 07:00	06/06/25 17:34	1
Phenol	ND		9.84	0.669	ug/L		06/04/25 07:00	06/06/25 17:34	1
Pyrene	ND		9.84	0.620	ug/L		06/04/25 07:00	06/06/25 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*10 - 150*	*06/04/25 07:00*	*06/06/25 17:34*	*1*
2-Fluorobiphenyl (Surr)	*72*		*25 - 139*	*06/04/25 07:00*	*06/06/25 17:34*	*1*
2-Fluorophenol (Surr)	*85*		*10 - 150*	*06/04/25 07:00*	*06/06/25 17:34*	*1*
Nitrobenzene-d5 (Surr)	*80*		*22 - 150*	*06/04/25 07:00*	*06/06/25 17:34*	*1*
Phenol-d5 (Surr)	*95*		*10 - 150*	*06/04/25 07:00*	*06/06/25 17:34*	*1*
Terphenyl-d14 (Surr)	*49*		*28 - 150*	*06/04/25 07:00*	*06/06/25 17:34*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.100	0.0630	mg/L			06/01/25 10:31	1
Sulfate	**25.6**		1.00	0.390	mg/L			06/01/25 10:31	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	0.340	ug/L		06/04/25 05:08	06/04/25 13:20	1
Arsenic	ND		3.00	0.860	ug/L		06/04/25 05:08	06/04/25 13:20	1
Barium	**363**		5.00	0.890	ug/L		06/04/25 05:08	06/04/25 13:20	1
Beryllium	ND		0.500	0.200	ug/L		06/04/25 05:08	06/04/25 13:20	1
Cadmium	ND		0.500	0.0780	ug/L		06/04/25 05:08	06/04/25 13:20	1
Chromium	ND		5.00	1.20	ug/L		06/04/25 05:08	06/04/25 13:20	1
Cobalt	**1.49**		0.500	0.220	ug/L		06/04/25 05:08	06/04/25 13:20	1
Copper	ND		5.00	1.08	ug/L		06/04/25 05:08	06/04/25 13:20	1
Lead	ND		2.50	0.210	ug/L		06/04/25 05:08	06/04/25 13:20	1
Manganese	**311**		5.00	2.20	ug/L		06/04/25 05:08	06/04/25 13:20	1
Nickel	**6.05**		5.00	0.420	ug/L		06/04/25 05:08	06/04/25 13:20	1
Selenium	ND		2.50	0.990	ug/L		06/04/25 05:08	06/04/25 13:20	1
Silver	ND		1.00	0.390	ug/L		06/04/25 05:08	06/04/25 13:20	1
Thallium	ND		1.00	0.260	ug/L		06/04/25 05:08	06/04/25 13:20	1
Vanadium	**1.37**	**J**	10.0	0.630	ug/L		06/04/25 05:08	06/04/25 13:20	1
Zinc	**5.79**	**J**	20.0	2.80	ug/L		06/04/25 05:08	06/04/25 13:20	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0800	ug/L		06/04/25 12:47	06/05/25 09:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		0.0500	0.0460	mg/L			06/11/25 12:34	1

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276850-1

Client Sample ID: DUP-1
Date Collected: 05/30/25 11:10
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276850-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0	10.0	ug/L			06/09/25 15:50	1
Benzene	ND		1.00	0.500	ug/L			06/09/25 15:50	1
Bromobenzene	ND		1.00	0.540	ug/L			06/09/25 15:50	1
Bromoform	ND		5.00	0.250	ug/L			06/09/25 15:50	1
Bromomethane	ND		1.00	0.980	ug/L			06/09/25 15:50	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/09/25 15:50	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/09/25 15:50	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/09/25 15:50	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/09/25 15:50	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/09/25 15:50	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/09/25 15:50	1
Chloroethane	ND		1.00	0.760	ug/L			06/09/25 15:50	1
Chloroform	ND		1.00	0.900	ug/L			06/09/25 15:50	1
Chloromethane	ND		1.00	0.400	ug/L			06/09/25 15:50	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/09/25 15:50	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/09/25 15:50	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/09/25 15:50	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/09/25 15:50	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/09/25 15:50	1
Dibromomethane	ND		5.00	0.220	ug/L			06/09/25 15:50	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/09/25 15:50	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/09/25 15:50	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/09/25 15:50	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/09/25 15:50	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/09/25 15:50	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/09/25 15:50	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/09/25 15:50	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 15:50	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 15:50	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 15:50	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/09/25 15:50	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/09/25 15:50	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/09/25 15:50	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/09/25 15:50	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/09/25 15:50	1
Hexane	ND		1.00	0.960	ug/L			06/09/25 15:50	1
2-Hexanone	ND		25.0	4.26	ug/L			06/09/25 15:50	1
Iodomethane	ND		1.00	0.900	ug/L			06/09/25 15:50	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/09/25 15:50	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/09/25 15:50	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/09/25 15:50	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/09/25 15:50	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/09/25 15:50	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/09/25 15:50	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/09/25 15:50	1
Naphthalene	ND		5.00	3.00	ug/L			06/09/25 15:50	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/09/25 15:50	1
n-Heptane	ND		1.00	0.210	ug/L			06/09/25 15:50	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/09/25 15:50	1

Client Sample ID: DUP-1
Date Collected: 05/30/25 11:10
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276850-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.00	3.00	ug/L			06/09/25 15:50	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/09/25 15:50	1
Styrene	ND		1.00	1.00	ug/L			06/09/25 15:50	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/09/25 15:50	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/09/25 15:50	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/09/25 15:50	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/09/25 15:50	1
Toluene	ND		1.00	0.900	ug/L			06/09/25 15:50	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/09/25 15:50	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/09/25 15:50	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/09/25 15:50	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/09/25 15:50	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/09/25 15:50	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/09/25 15:50	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/09/25 15:50	1
Trichloroethene	ND		1.00	0.150	ug/L			06/09/25 15:50	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/09/25 15:50	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/09/25 15:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/09/25 15:50	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/09/25 15:50	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/09/25 15:50	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/09/25 15:50	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/09/25 15:50	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/09/25 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*56 - 136*		*06/09/25 15:50*	*1*
Dibromofluoromethane	*100*		*79 - 130*		*06/09/25 15:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*59 - 146*		*06/09/25 15:50*	*1*
Toluene-d8 (Surr)	*94*		*64 - 132*		*06/09/25 15:50*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.325	0.325	ug/L		06/05/25 07:00	06/11/25 03:32	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*26*		*10 - 140*	*06/05/25 07:00*	*06/11/25 03:32*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.0	0.421	ug/L		06/04/25 07:00	06/07/25 19:15	1
2,4,5-Trichlorophenol	ND		10.0	0.542	ug/L		06/04/25 07:00	06/07/25 19:15	1
2,4,6-Trichlorophenol	ND		10.0	1.09	ug/L		06/04/25 07:00	06/07/25 19:15	1
2,4-Dichlorophenol	ND		10.0	0.572	ug/L		06/04/25 07:00	06/07/25 19:15	1
2,4-Dimethylphenol	ND		10.0	0.241	ug/L		06/04/25 07:00	06/07/25 19:15	1
2,4-Dinitrophenol	ND		30.1	4.70	ug/L		06/04/25 07:00	06/07/25 19:15	1
2,4-Dinitrotoluene	ND		10.0	0.652	ug/L		06/04/25 07:00	06/07/25 19:15	1
2,6-Dinitrotoluene	ND		10.0	0.291	ug/L		06/04/25 07:00	06/07/25 19:15	1
2-Chloronaphthalene	ND		10.0	0.381	ug/L		06/04/25 07:00	06/07/25 19:15	1
2-Chlorophenol	ND		10.0	0.843	ug/L		06/04/25 07:00	06/07/25 19:15	1
2-Methylnaphthalene	ND		10.0	0.813	ug/L		06/04/25 07:00	06/07/25 19:15	1

Client Sample ID: DUP-1
Date Collected: 05/30/25 11:10
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276850-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		10.0	0.763	ug/L		06/04/25 07:00	06/07/25 19:15	1
2-Nitroaniline	ND		10.0	1.37	ug/L		06/04/25 07:00	06/07/25 19:15	1
2-Nitrophenol	ND		10.0	1.17	ug/L		06/04/25 07:00	06/07/25 19:15	1
3 & 4 Methylphenol	ND		20.1	4.62	ug/L		06/04/25 07:00	06/07/25 19:15	1
3,3'-Dichlorobenzidine	ND		11.0	0.411	ug/L		06/04/25 07:00	06/07/25 19:15	1
3-Nitroaniline	ND		10.0	0.953	ug/L		06/04/25 07:00	06/07/25 19:15	1
4,6-Dinitro-2-methylphenol	ND		10.0	1.98	ug/L		06/04/25 07:00	06/07/25 19:15	1
4-Bromophenyl phenyl ether	ND		10.0	0.130	ug/L		06/04/25 07:00	06/07/25 19:15	1
4-Chloro-3-methylphenol	ND		10.0	0.732	ug/L		06/04/25 07:00	06/07/25 19:15	1
4-Chloroaniline	ND		10.0	0.281	ug/L		06/04/25 07:00	06/07/25 19:15	1
4-Chlorophenyl phenyl ether	ND		10.0	0.241	ug/L		06/04/25 07:00	06/07/25 19:15	1
4-Nitroaniline	ND		10.0	3.51	ug/L		06/04/25 07:00	06/07/25 19:15	1
4-Nitrophenol	ND		10.0	2.75	ug/L		06/04/25 07:00	06/07/25 19:15	1
Acenaphthene	**1.62**	**J**	10.0	0.632	ug/L		06/04/25 07:00	06/07/25 19:15	1
Acenaphthylene	ND		10.0	0.763	ug/L		06/04/25 07:00	06/07/25 19:15	1
Acetophenone	ND		10.0	3.21	ug/L		06/04/25 07:00	06/07/25 19:15	1
Anthracene	ND		10.0	0.913	ug/L		06/04/25 07:00	06/07/25 19:15	1
Atrazine	ND		10.0	1.13	ug/L		06/04/25 07:00	06/07/25 19:15	1
Benzaldehyde	ND		10.0	0.672	ug/L		06/04/25 07:00	06/07/25 19:15	1
Benzo[a]anthracene	ND		10.0	1.00	ug/L		06/04/25 07:00	06/07/25 19:15	1
Benzo[a]pyrene	ND		10.0	1.10	ug/L		06/04/25 07:00	06/07/25 19:15	1
Benzo[b]fluoranthene	ND		10.0	1.20	ug/L		06/04/25 07:00	06/07/25 19:15	1
Benzo[g,h,i]perylene	ND		10.0	1.51	ug/L		06/04/25 07:00	06/07/25 19:15	1
Benzo[k]fluoranthene	ND		10.0	1.51	ug/L		06/04/25 07:00	06/07/25 19:15	1
bis (2-chloroisopropyl) ether	ND		10.0	0.933	ug/L		06/04/25 07:00	06/07/25 19:15	1
Bis(2-chloroethoxy)methane	ND		10.0	0.341	ug/L		06/04/25 07:00	06/07/25 19:15	1
Bis(2-chloroethyl)ether	ND		10.0	0.732	ug/L		06/04/25 07:00	06/07/25 19:15	1
Bis(2-ethylhexyl) phthalate	ND		10.0	4.01	ug/L		06/04/25 07:00	06/07/25 19:15	1
Butyl benzyl phthalate	ND		10.0	4.01	ug/L		06/04/25 07:00	06/07/25 19:15	1
Caprolactam	ND		10.0	2.41	ug/L		06/04/25 07:00	06/07/25 19:15	1
Carbazole	ND		10.0	0.321	ug/L		06/04/25 07:00	06/07/25 19:15	1
Chrysene	ND		10.0	1.20	ug/L		06/04/25 07:00	06/07/25 19:15	1
Dibenz(a,h)anthracene	ND		10.0	1.30	ug/L		06/04/25 07:00	06/07/25 19:15	1
Dibenzofuran	ND		10.0	0.642	ug/L		06/04/25 07:00	06/07/25 19:15	1
Diethyl phthalate	ND		10.0	4.01	ug/L		06/04/25 07:00	06/07/25 19:15	1
Dimethyl phthalate	ND		10.0	4.01	ug/L		06/04/25 07:00	06/07/25 19:15	1
Di-n-butyl phthalate	ND		10.0	4.01	ug/L		06/04/25 07:00	06/07/25 19:15	1
Di-n-octyl phthalate	ND		10.0	4.01	ug/L		06/04/25 07:00	06/07/25 19:15	1
Fluoranthene	ND		10.0	0.632	ug/L		06/04/25 07:00	06/07/25 19:15	1
Fluorene	**0.944**	**J**	10.0	0.672	ug/L		06/04/25 07:00	06/07/25 19:15	1
Hexachlorobenzene	ND		10.0	0.251	ug/L		06/04/25 07:00	06/07/25 19:15	1
Hexachlorobutadiene	ND		10.0	0.552	ug/L		06/04/25 07:00	06/07/25 19:15	1
Hexachlorocyclopentadiene	ND		20.1	0.321	ug/L		06/04/25 07:00	06/07/25 19:15	1
Hexachloroethane	ND		10.0	0.532	ug/L		06/04/25 07:00	06/07/25 19:15	1
Indeno[1,2,3-cd]pyrene	ND		10.0	1.10	ug/L		06/04/25 07:00	06/07/25 19:15	1
Isophorone	ND		10.0	0.803	ug/L		06/04/25 07:00	06/07/25 19:15	1
Naphthalene	ND		10.0	0.753	ug/L		06/04/25 07:00	06/07/25 19:15	1
Nitrobenzene	ND		10.0	0.602	ug/L		06/04/25 07:00	06/07/25 19:15	1
N-Nitrosodi-n-propylamine	ND		10.0	0.331	ug/L		06/04/25 07:00	06/07/25 19:15	1

Client Sample ID: DUP-1
Date Collected: 05/30/25 11:10
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276850-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		10.0	0.191	ug/L		06/04/25 07:00	06/07/25 19:15	1
Pentachlorophenol	ND		10.0	2.81	ug/L		06/04/25 07:00	06/07/25 19:15	1
Phenanthrene	**2.59**	**J**	10.0	0.742	ug/L		06/04/25 07:00	06/07/25 19:15	1
Phenol	ND		10.0	0.682	ug/L		06/04/25 07:00	06/07/25 19:15	1
Pyrene	ND		10.0	0.632	ug/L		06/04/25 07:00	06/07/25 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*10 - 150*	*06/04/25 07:00*	*06/07/25 19:15*	*1*
2-Fluorobiphenyl (Surr)	*80*		*25 - 139*	*06/04/25 07:00*	*06/07/25 19:15*	*1*
2-Fluorophenol (Surr)	*84*		*10 - 150*	*06/04/25 07:00*	*06/07/25 19:15*	*1*
Nitrobenzene-d5 (Surr)	*87*		*22 - 150*	*06/04/25 07:00*	*06/07/25 19:15*	*1*
Phenol-d5 (Surr)	*87*		*10 - 150*	*06/04/25 07:00*	*06/07/25 19:15*	*1*
Terphenyl-d14 (Surr)	*51*		*28 - 150*	*06/04/25 07:00*	*06/07/25 19:15*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.100	0.0630	mg/L			06/01/25 10:14	1
Sulfate	**3.33**		1.00	0.390	mg/L			06/01/25 10:14	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.345**	**J**	5.00	0.340	ug/L		06/04/25 05:08	06/04/25 13:25	1
Arsenic	**1.91**	**J**	3.00	0.860	ug/L		06/04/25 05:08	06/04/25 13:25	1
Barium	**415**		5.00	0.890	ug/L		06/04/25 05:08	06/04/25 13:25	1
Beryllium	ND		0.500	0.200	ug/L		06/04/25 05:08	06/04/25 13:25	1
Cadmium	ND		0.500	0.0780	ug/L		06/04/25 05:08	06/04/25 13:25	1
Chromium	**6.19**		5.00	1.20	ug/L		06/04/25 05:08	06/04/25 13:25	1
Cobalt	**4.39**		0.500	0.220	ug/L		06/04/25 05:08	06/04/25 13:25	1
Copper	**2.40**	**J**	5.00	1.08	ug/L		06/04/25 05:08	06/04/25 13:25	1
Lead	**0.235**	**J**	2.50	0.210	ug/L		06/04/25 05:08	06/04/25 13:25	1
Manganese	**3810**		5.00	2.20	ug/L		06/04/25 05:08	06/04/25 13:25	1
Nickel	**1.01**	**J**	5.00	0.420	ug/L		06/04/25 05:08	06/04/25 13:25	1
Selenium	ND		2.50	0.990	ug/L		06/04/25 05:08	06/04/25 13:25	1
Silver	ND		1.00	0.390	ug/L		06/04/25 05:08	06/04/25 13:25	1
Thallium	ND		1.00	0.260	ug/L		06/04/25 05:08	06/04/25 13:25	1
Vanadium	**2.33**	**J**	10.0	0.630	ug/L		06/04/25 05:08	06/04/25 13:25	1
Zinc	**42.3**		20.0	2.80	ug/L		06/04/25 05:08	06/04/25 13:25	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0800	ug/L		06/04/25 12:47	06/05/25 09:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**1.07**		0.0500	0.0460	mg/L			06/11/25 13:06	1

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276850-1

Client Sample ID: TRIP BLANK
Date Collected: 05/30/25 00:00
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276850-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0	10.0	ug/L			06/09/25 14:33	1
Benzene	ND		1.00	0.500	ug/L			06/09/25 14:33	1
Bromobenzene	ND		1.00	0.540	ug/L			06/09/25 14:33	1
Bromoform	ND		5.00	0.250	ug/L			06/09/25 14:33	1
Bromomethane	ND		1.00	0.980	ug/L			06/09/25 14:33	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/09/25 14:33	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/09/25 14:33	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/09/25 14:33	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/09/25 14:33	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/09/25 14:33	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/09/25 14:33	1
Chloroethane	ND		1.00	0.760	ug/L			06/09/25 14:33	1
Chloroform	ND		1.00	0.900	ug/L			06/09/25 14:33	1
Chloromethane	ND		1.00	0.400	ug/L			06/09/25 14:33	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/09/25 14:33	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/09/25 14:33	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/09/25 14:33	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/09/25 14:33	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/09/25 14:33	1
Dibromomethane	ND		5.00	0.220	ug/L			06/09/25 14:33	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/09/25 14:33	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/09/25 14:33	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/09/25 14:33	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/09/25 14:33	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/09/25 14:33	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/09/25 14:33	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/09/25 14:33	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 14:33	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 14:33	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 14:33	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/09/25 14:33	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/09/25 14:33	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/09/25 14:33	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/09/25 14:33	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/09/25 14:33	1
Hexane	ND		1.00	0.960	ug/L			06/09/25 14:33	1
2-Hexanone	ND		25.0	4.26	ug/L			06/09/25 14:33	1
Iodomethane	ND		1.00	0.900	ug/L			06/09/25 14:33	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/09/25 14:33	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/09/25 14:33	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/09/25 14:33	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/09/25 14:33	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/09/25 14:33	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/09/25 14:33	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/09/25 14:33	1
Naphthalene	ND		5.00	3.00	ug/L			06/09/25 14:33	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/09/25 14:33	1
n-Heptane	ND		1.00	0.210	ug/L			06/09/25 14:33	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/09/25 14:33	1

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276850-1

Client Sample ID: TRIP BLANK
Date Collected: 05/30/25 00:00
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276850-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.00	3.00	ug/L			06/09/25 14:33	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/09/25 14:33	1
Styrene	ND		1.00	1.00	ug/L			06/09/25 14:33	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/09/25 14:33	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/09/25 14:33	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/09/25 14:33	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/09/25 14:33	1
Toluene	ND		1.00	0.900	ug/L			06/09/25 14:33	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/09/25 14:33	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/09/25 14:33	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/09/25 14:33	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/09/25 14:33	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/09/25 14:33	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/09/25 14:33	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/09/25 14:33	1
Trichloroethene	ND		1.00	0.150	ug/L			06/09/25 14:33	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/09/25 14:33	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/09/25 14:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/09/25 14:33	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/09/25 14:33	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/09/25 14:33	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/09/25 14:33	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/09/25 14:33	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/09/25 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*56 - 136*		*06/09/25 14:33*	*1*
Dibromofluoromethane	*100*		*79 - 130*		*06/09/25 14:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*59 - 146*		*06/09/25 14:33*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*06/09/25 14:33*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

HPLC/IC

Qualifier	Qualifier Description
E	Result exceeded calibration range.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276850-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(59-146)	(64-132)
400-276850-1	MW-2	97	101	103	96
400-276850-2	MW-3	97	100	102	94
400-276850-3	MW-5	93	103	103	94
400-276850-4	MW-7	94	99	104	97
400-276850-5	MW-8	96	99	101	96
400-276850-6	DUP-1	94	100	101	94
400-276850-7	TRIP BLANK	94	100	102	97
LCS 400-712023/1002	Lab Control Sample	97	104	109	98
MB 400-712023/5	Method Blank	94	104	102	96

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(10-150)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
400-276850-1	MW-2	83	76	91	83	100	55
400-276850-2	MW-3	85	74	89	81	99	54
400-276850-3	MW-5	81	73	87	80	97	48
400-276850-4	MW-7	77	69	85	78	94	49
400-276850-5	MW-8	79	72	85	80	95	49
400-276850-6	DUP-1	81	80	84	87	87	51
LCS 400-711547/2-A	Lab Control Sample	91	74	96	82	119	82
LCS 400-711584/2-A	Lab Control Sample	87	75	89	79	100	70
LCSD 400-711547/3-A	Lab Control Sample Dup	94	72	99	82	125	82
LCSD 400-711584/3-A	Lab Control Sample Dup	102	77	105	87	110	72
MB 400-711547/1-A	Method Blank	87	76	95	84	108	76
MB 400-711584/1-A	Method Blank	90	83	95	81	90	73

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

QC Association Summary

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276850-1

GC/MS VOA

Analysis Batch: 712023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276850-1	MW-2	Total/NA	Water	8260D	
400-276850-2	MW-3	Total/NA	Water	8260D	
400-276850-3	MW-5	Total/NA	Water	8260D	
400-276850-4	MW-7	Total/NA	Water	8260D	
400-276850-5	MW-8	Total/NA	Water	8260D	
400-276850-6	DUP-1	Total/NA	Water	8260D	
400-276850-7	TRIP BLANK	Total/NA	Water	8260D	
MB 400-712023/5	Method Blank	Total/NA	Water	8260D	
LCS 400-712023/1002	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 711547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276850-1	MW-2	Total/NA	Water	3511	
400-276850-2	MW-3	Total/NA	Water	3511	
400-276850-3	MW-5	Total/NA	Water	3511	
400-276850-4	MW-7	Total/NA	Water	3511	
400-276850-5	MW-8	Total/NA	Water	3511	
MB 400-711547/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-711547/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-711547/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Prep Batch: 711584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276850-6	DUP-1	Total/NA	Water	3511	
MB 400-711584/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-711584/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-711584/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 711694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-711547/1-A	Method Blank	Total/NA	Water	8270E	711547
LCS 400-711547/2-A	Lab Control Sample	Total/NA	Water	8270E	711547
LCSD 400-711547/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	711547

Prep Batch: 711732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276850-1	MW-2	Total/NA	Water	3510C	
400-276850-2	MW-3	Total/NA	Water	3510C	
400-276850-3	MW-5	Total/NA	Water	3510C	
400-276850-4	MW-7	Total/NA	Water	3510C	
400-276850-5	MW-8	Total/NA	Water	3510C	
400-276850-6	DUP-1	Total/NA	Water	3510C	
MB 400-711732/1-A	Method Blank	Total/NA	Water	3510C	
LCS 400-711732/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 400-711732/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 711792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276850-1	MW-2	Total/NA	Water	8270E	711547

GC/MS Semi VOA (Continued)

Analysis Batch: 711792 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276850-2	MW-3	Total/NA	Water	8270E	711547
400-276850-3	MW-5	Total/NA	Water	8270E	711547
400-276850-4	MW-7	Total/NA	Water	8270E	711547
400-276850-5	MW-8	Total/NA	Water	8270E	711547

Analysis Batch: 711974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276850-6	DUP-1	Total/NA	Water	8270E	711584
MB 400-711584/1-A	Method Blank	Total/NA	Water	8270E	711584
LCS 400-711584/2-A	Lab Control Sample	Total/NA	Water	8270E	711584
LCSD 400-711584/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	711584

Analysis Batch: 712314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276850-1	MW-2	Total/NA	Water	8270E SIM ID	711732
400-276850-2	MW-3	Total/NA	Water	8270E SIM ID	711732
400-276850-3	MW-5	Total/NA	Water	8270E SIM ID	711732
400-276850-4	MW-7	Total/NA	Water	8270E SIM ID	711732
400-276850-5	MW-8	Total/NA	Water	8270E SIM ID	711732
400-276850-6	DUP-1	Total/NA	Water	8270E SIM ID	711732
MB 400-711732/1-A	Method Blank	Total/NA	Water	8270E SIM ID	711732
LCS 400-711732/2-A	Lab Control Sample	Total/NA	Water	8270E SIM ID	711732
LCSD 400-711732/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM ID	711732

HPLC/IC

Analysis Batch: 711085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276850-1	MW-2	Total/NA	Water	9056A	
400-276850-2	MW-3	Total/NA	Water	9056A	
400-276850-3	MW-5	Total/NA	Water	9056A	
400-276850-4	MW-7	Total/NA	Water	9056A	
400-276850-5	MW-8	Total/NA	Water	9056A	
400-276850-6	DUP-1	Total/NA	Water	9056A	
MB 400-711085/27	Method Blank	Total/NA	Water	9056A	
LCS 400-711085/25	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-711085/10	Lab Control Sample Dup	Total/NA	Water	9056A	

Analysis Batch: 711087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276850-1	MW-2	Total/NA	Water	9056A	
400-276850-2	MW-3	Total/NA	Water	9056A	
400-276850-3	MW-5	Total/NA	Water	9056A	
400-276850-4	MW-7	Total/NA	Water	9056A	
400-276850-5	MW-8	Total/NA	Water	9056A	
400-276850-6	DUP-1	Total/NA	Water	9056A	
MB 400-711087/27	Method Blank	Total/NA	Water	9056A	
LCS 400-711087/25	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-711087/10	Lab Control Sample Dup	Total/NA	Water	9056A	

HPLC/IC

Analysis Batch: 711587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276850-4	MW-7	Total/NA	Water	9056A	
MB 400-711587/5	Method Blank	Total/NA	Water	9056A	
LCS 400-711587/6	Lab Control Sample	Total/NA	Water	9056A	

Metals

Prep Batch: 883157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276850-1	MW-2	Total Recoverable	Water	3005A	
400-276850-2	MW-3	Total Recoverable	Water	3005A	
400-276850-3	MW-5	Total Recoverable	Water	3005A	
400-276850-4	MW-7	Total Recoverable	Water	3005A	
400-276850-5	MW-8	Total Recoverable	Water	3005A	
400-276850-6	DUP-1	Total Recoverable	Water	3005A	
MB 680-883157/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-883157/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 883198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276850-1	MW-2	Total/NA	Water	7470A	
400-276850-2	MW-3	Total/NA	Water	7470A	
400-276850-3	MW-5	Total/NA	Water	7470A	
400-276850-4	MW-7	Total/NA	Water	7470A	
400-276850-5	MW-8	Total/NA	Water	7470A	
400-276850-6	DUP-1	Total/NA	Water	7470A	
MB 680-883198/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-883198/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 883230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276850-1	MW-2	Total Recoverable	Water	6020B	883157
400-276850-2	MW-3	Total Recoverable	Water	6020B	883157
400-276850-3	MW-5	Total Recoverable	Water	6020B	883157
400-276850-4	MW-7	Total Recoverable	Water	6020B	883157
400-276850-5	MW-8	Total Recoverable	Water	6020B	883157
400-276850-6	DUP-1	Total Recoverable	Water	6020B	883157
MB 680-883157/1-A	Method Blank	Total Recoverable	Water	6020B	883157
LCS 680-883157/2-A	Lab Control Sample	Total Recoverable	Water	6020B	883157

Analysis Batch: 883266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276850-1	MW-2	Total/NA	Water	7470A	883198
400-276850-2	MW-3	Total/NA	Water	7470A	883198
400-276850-3	MW-5	Total/NA	Water	7470A	883198
400-276850-4	MW-7	Total/NA	Water	7470A	883198
400-276850-5	MW-8	Total/NA	Water	7470A	883198
400-276850-6	DUP-1	Total/NA	Water	7470A	883198
MB 680-883198/1-A	Method Blank	Total/NA	Water	7470A	883198
LCS 680-883198/2-A	Lab Control Sample	Total/NA	Water	7470A	883198

QC Association Summary

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276850-1

General Chemistry

Analysis Batch: 712311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276850-1	MW-2	Total/NA	Water	350.1	
400-276850-2	MW-3	Total/NA	Water	350.1	
400-276850-3	MW-5	Total/NA	Water	350.1	
400-276850-4	MW-7	Total/NA	Water	350.1	
MB 400-712311/60	Method Blank	Total/NA	Water	350.1	
LCS 400-712311/61	Lab Control Sample	Total/NA	Water	350.1	
MRL 400-712311/19	Lab Control Sample	Total/NA	Water	350.1	

Analysis Batch: 712427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276850-5	MW-8	Total/NA	Water	350.1	
400-276850-6	DUP-1	Total/NA	Water	350.1	
MB 400-712427/48	Method Blank	Total/NA	Water	350.1	
MB 400-712427/86	Method Blank	Total/NA	Water	350.1	
LCS 400-712427/49	Lab Control Sample	Total/NA	Water	350.1	
LCS 400-712427/87	Lab Control Sample	Total/NA	Water	350.1	
MRL 400-712427/18	Lab Control Sample	Total/NA	Water	350.1	

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-712023/5
Matrix: Water
Analysis Batch: 712023

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0	10.0	ug/L			06/09/25 08:59	1
Benzene	ND		1.00	0.500	ug/L			06/09/25 08:59	1
Bromobenzene	ND		1.00	0.540	ug/L			06/09/25 08:59	1
Bromoform	ND		5.00	0.250	ug/L			06/09/25 08:59	1
Bromomethane	ND		1.00	0.980	ug/L			06/09/25 08:59	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/09/25 08:59	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/09/25 08:59	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/09/25 08:59	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/09/25 08:59	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/09/25 08:59	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/09/25 08:59	1
Chloroethane	ND		1.00	0.760	ug/L			06/09/25 08:59	1
Chloroform	ND		1.00	0.900	ug/L			06/09/25 08:59	1
Chloromethane	ND		1.00	0.400	ug/L			06/09/25 08:59	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/09/25 08:59	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/09/25 08:59	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/09/25 08:59	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/09/25 08:59	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/09/25 08:59	1
Dibromomethane	ND		5.00	0.220	ug/L			06/09/25 08:59	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/09/25 08:59	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/09/25 08:59	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/09/25 08:59	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/09/25 08:59	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/09/25 08:59	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/09/25 08:59	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/09/25 08:59	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 08:59	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 08:59	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/09/25 08:59	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/09/25 08:59	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/09/25 08:59	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/09/25 08:59	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/09/25 08:59	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/09/25 08:59	1
Hexane	ND		1.00	0.960	ug/L			06/09/25 08:59	1
2-Hexanone	ND		25.0	4.26	ug/L			06/09/25 08:59	1
Iodomethane	ND		1.00	0.900	ug/L			06/09/25 08:59	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/09/25 08:59	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/09/25 08:59	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/09/25 08:59	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/09/25 08:59	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/09/25 08:59	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/09/25 08:59	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/09/25 08:59	1
Naphthalene	ND		5.00	3.00	ug/L			06/09/25 08:59	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/09/25 08:59	1
n-Heptane	ND		1.00	0.210	ug/L			06/09/25 08:59	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-712023/5
Matrix: Water
Analysis Batch: 712023

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		1.00	0.690	ug/L			06/09/25 08:59	1
o-Xylene	ND		5.00	3.00	ug/L			06/09/25 08:59	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/09/25 08:59	1
Styrene	ND		1.00	1.00	ug/L			06/09/25 08:59	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/09/25 08:59	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/09/25 08:59	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/09/25 08:59	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/09/25 08:59	1
Toluene	ND		1.00	0.900	ug/L			06/09/25 08:59	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/09/25 08:59	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/09/25 08:59	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/09/25 08:59	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/09/25 08:59	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/09/25 08:59	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/09/25 08:59	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/09/25 08:59	1
Trichloroethene	ND		1.00	0.150	ug/L			06/09/25 08:59	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/09/25 08:59	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/09/25 08:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/09/25 08:59	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/09/25 08:59	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/09/25 08:59	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/09/25 08:59	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/09/25 08:59	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/09/25 08:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*56 - 136*		*06/09/25 08:59*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*06/09/25 08:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*59 - 146*		*06/09/25 08:59*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*06/09/25 08:59*	*1*

Lab Sample ID: LCS 400-712023/1002
Matrix: Water
Analysis Batch: 712023

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	260.3		ug/L		130	43 - 150
Benzene	50.0	48.76		ug/L		98	70 - 130
Bromobenzene	50.0	45.78		ug/L		92	70 - 132
Bromoform	50.0	48.38		ug/L		97	57 - 140
Bromomethane	50.0	46.76		ug/L		94	10 - 150
2-Butanone (MEK)	200	248.8		ug/L		124	61 - 145
Carbon disulfide	50.0	45.30		ug/L		91	61 - 137
Carbon tetrachloride	50.0	51.76		ug/L		104	61 - 137
Chlorobenzene	50.0	46.07		ug/L		92	70 - 130
Chlorobromomethane	50.0	52.97		ug/L		106	70 - 130
Chlorodibromomethane	50.0	50.86		ug/L		102	67 - 135

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-712023/1002
Matrix: Water
Analysis Batch: 712023

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroethane	50.0	47.89		ug/L		96	55 - 141
Chloroform	50.0	49.40		ug/L		99	69 - 130
Chloromethane	50.0	45.84		ug/L		92	58 - 137
2-Chlorotoluene	50.0	41.72		ug/L		83	70 - 130
4-Chlorotoluene	50.0	42.11		ug/L		84	70 - 130
cis-1,2-Dichloroethene	50.0	50.81		ug/L		102	68 - 130
cis-1,3-Dichloropropene	50.0	51.50		ug/L		103	69 - 132
1,2-Dibromo-3-Chloropropane	50.0	46.65		ug/L		93	54 - 135
Dibromomethane	50.0	52.91		ug/L		106	70 - 130
1,2-Dichlorobenzene	50.0	44.87		ug/L		90	67 - 130
1,3-Dichlorobenzene	50.0	42.93		ug/L		86	70 - 130
1,4-Dichlorobenzene	50.0	43.09		ug/L		86	70 - 130
Dichlorobromomethane	50.0	51.74		ug/L		103	67 - 133
1,1-Dichloroethane	50.0	50.19		ug/L		100	70 - 130
1,2-Dichloroethane	50.0	53.15		ug/L		106	69 - 130
1,1-Dichloroethene	50.0	49.47		ug/L		99	63 - 134
1,2-Dichloropropane	50.0	49.04		ug/L		98	70 - 130
1,3-Dichloropropane	50.0	49.09		ug/L		98	70 - 130
2,2-Dichloropropane	50.0	48.29		ug/L		97	52 - 135
1,1-Dichloropropene	50.0	47.24		ug/L		94	70 - 130
Ethyl acetate	100	90.28		ug/L		90	34 - 150
Ethylbenzene	50.0	43.42		ug/L		87	70 - 130
Ethylene Dibromide	50.0	49.43		ug/L		99	70 - 130
Hexachlorobutadiene	50.0	37.29		ug/L		75	53 - 140
Hexane	50.0	49.89		ug/L		100	69 - 130
2-Hexanone	200	208.2		ug/L		104	65 - 137
Iodomethane	50.0	49.45		ug/L		99	27 - 150
Isopropylbenzene	50.0	43.49		ug/L		87	70 - 130
Isopropyl ether	50.0	49.60		ug/L		99	64 - 132
4-Isopropyltoluene	50.0	38.80		ug/L		78	65 - 130
Methylene Chloride	50.0	49.32		ug/L		99	66 - 135
4-Methyl-2-pentanone (MIBK)	200	219.1		ug/L		110	69 - 138
Methyl tert-butyl ether	50.0	50.73		ug/L		101	66 - 130
m-Xylene & p-Xylene	50.0	43.08		ug/L		86	70 - 130
Naphthalene	50.0	48.14		ug/L		96	47 - 149
n-Butylbenzene	50.0	37.57		ug/L		75	67 - 130
n-Heptane	50.0	43.98		ug/L		88	70 - 130
N-Propylbenzene	50.0	41.32		ug/L		83	70 - 130
o-Xylene	50.0	43.92		ug/L		88	70 - 130
sec-Butylbenzene	50.0	40.45		ug/L		81	66 - 130
Styrene	50.0	42.80		ug/L		86	70 - 130
tert-Butylbenzene	50.0	41.80		ug/L		84	64 - 139
1,1,1,2-Tetrachloroethane	50.0	50.05		ug/L		100	67 - 131
1,1,2,2-Tetrachloroethane	50.0	48.78		ug/L		98	70 - 131
Tetrachloroethene	50.0	46.59		ug/L		93	65 - 130
Toluene	50.0	45.31		ug/L		91	70 - 130
trans-1,4-Dichloro-2-butene	50.0	46.84		ug/L		94	57 - 140
trans-1,2-Dichloroethene	50.0	48.88		ug/L		98	70 - 130
trans-1,3-Dichloropropene	50.0	49.16		ug/L		98	63 - 130

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-712023/1002
Matrix: Water
Analysis Batch: 712023

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichlorobenzene	50.0	45.64		ug/L		91	60 - 138
1,2,4-Trichlorobenzene	50.0	43.73		ug/L		87	60 - 140
1,1,1-Trichloroethane	50.0	49.96		ug/L		100	68 - 130
1,1,2-Trichloroethane	50.0	51.02		ug/L		102	70 - 130
Trichloroethene	50.0	50.13		ug/L		100	70 - 130
Trichlorofluoromethane	50.0	53.18		ug/L		106	65 - 138
1,2,3-Trichloropropane	50.0	49.08		ug/L		98	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	52.05		ug/L		104	60 - 139
1,2,4-Trimethylbenzene	50.0	40.17		ug/L		80	70 - 130
1,3,5-Trimethylbenzene	50.0	40.99		ug/L		82	69 - 130
Vinyl acetate	100	109.1		ug/L		109	26 - 150
Vinyl chloride	50.0	53.31		ug/L		107	59 - 136
Xylenes, Total	100	87.00		ug/L		87	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*56 - 136*
Dibromofluoromethane	*104*		*79 - 130*
1,2-Dichloroethane-d4 (Surr)	*109*		*59 - 146*
Toluene-d8 (Surr)	*98*		*64 - 132*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 400-711547/1-A
Matrix: Water
Analysis Batch: 711694

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711547

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.0	0.420	ug/L		06/04/25 07:00	06/05/25 17:27	1
2,4,5-Trichlorophenol	ND		10.0	0.540	ug/L		06/04/25 07:00	06/05/25 17:27	1
2,4,6-Trichlorophenol	ND		10.0	1.09	ug/L		06/04/25 07:00	06/05/25 17:27	1
2,4-Dichlorophenol	ND		10.0	0.570	ug/L		06/04/25 07:00	06/05/25 17:27	1
2,4-Dimethylphenol	ND		10.0	0.240	ug/L		06/04/25 07:00	06/05/25 17:27	1
2,4-Dinitrophenol	ND		30.0	4.68	ug/L		06/04/25 07:00	06/05/25 17:27	1
2,4-Dinitrotoluene	ND		10.0	0.650	ug/L		06/04/25 07:00	06/05/25 17:27	1
2,6-Dinitrotoluene	ND		10.0	0.290	ug/L		06/04/25 07:00	06/05/25 17:27	1
2-Chloronaphthalene	ND		10.0	0.380	ug/L		06/04/25 07:00	06/05/25 17:27	1
2-Chlorophenol	ND		10.0	0.840	ug/L		06/04/25 07:00	06/05/25 17:27	1
2-Methylnaphthalene	ND		10.0	0.810	ug/L		06/04/25 07:00	06/05/25 17:27	1
2-Methylphenol	ND		10.0	0.760	ug/L		06/04/25 07:00	06/05/25 17:27	1
2-Nitroaniline	ND		10.0	1.37	ug/L		06/04/25 07:00	06/05/25 17:27	1
2-Nitrophenol	ND		10.0	1.17	ug/L		06/04/25 07:00	06/05/25 17:27	1
3 & 4 Methylphenol	ND		20.0	4.60	ug/L		06/04/25 07:00	06/05/25 17:27	1
3,3'-Dichlorobenzidine	ND		11.0	0.410	ug/L		06/04/25 07:00	06/05/25 17:27	1
3-Nitroaniline	ND		10.0	0.950	ug/L		06/04/25 07:00	06/05/25 17:27	1
4,6-Dinitro-2-methylphenol	ND		10.0	1.97	ug/L		06/04/25 07:00	06/05/25 17:27	1
4-Bromophenyl phenyl ether	ND		10.0	0.130	ug/L		06/04/25 07:00	06/05/25 17:27	1
4-Chloro-3-methylphenol	ND		10.0	0.730	ug/L		06/04/25 07:00	06/05/25 17:27	1
4-Chloroaniline	ND		10.0	0.280	ug/L		06/04/25 07:00	06/05/25 17:27	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-711547/1-A
Matrix: Water
Analysis Batch: 711694

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711547

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		10.0	0.240	ug/L		06/04/25 07:00	06/05/25 17:27	1
4-Nitroaniline	ND		10.0	3.50	ug/L		06/04/25 07:00	06/05/25 17:27	1
4-Nitrophenol	ND		10.0	2.74	ug/L		06/04/25 07:00	06/05/25 17:27	1
Acenaphthene	ND		10.0	0.630	ug/L		06/04/25 07:00	06/05/25 17:27	1
Acenaphthylene	ND		10.0	0.760	ug/L		06/04/25 07:00	06/05/25 17:27	1
Acetophenone	ND		10.0	3.20	ug/L		06/04/25 07:00	06/05/25 17:27	1
Anthracene	ND		10.0	0.910	ug/L		06/04/25 07:00	06/05/25 17:27	1
Atrazine	ND		10.0	1.13	ug/L		06/04/25 07:00	06/05/25 17:27	1
Benzaldehyde	ND		10.0	0.670	ug/L		06/04/25 07:00	06/05/25 17:27	1
Benzo[a]anthracene	ND		10.0	1.00	ug/L		06/04/25 07:00	06/05/25 17:27	1
Benzo[a]pyrene	ND		10.0	1.10	ug/L		06/04/25 07:00	06/05/25 17:27	1
Benzo[b]fluoranthene	ND		10.0	1.20	ug/L		06/04/25 07:00	06/05/25 17:27	1
Benzo[g,h,i]perylene	ND		10.0	1.50	ug/L		06/04/25 07:00	06/05/25 17:27	1
Benzo[k]fluoranthene	ND		10.0	1.50	ug/L		06/04/25 07:00	06/05/25 17:27	1
bis (2-chloroisopropyl) ether	ND		10.0	0.930	ug/L		06/04/25 07:00	06/05/25 17:27	1
Bis(2-chloroethoxy)methane	ND		10.0	0.340	ug/L		06/04/25 07:00	06/05/25 17:27	1
Bis(2-chloroethyl)ether	ND		10.0	0.730	ug/L		06/04/25 07:00	06/05/25 17:27	1
Bis(2-ethylhexyl) phthalate	ND		10.0	4.00	ug/L		06/04/25 07:00	06/05/25 17:27	1
Butyl benzyl phthalate	ND		10.0	4.00	ug/L		06/04/25 07:00	06/05/25 17:27	1
Caprolactam	ND		10.0	2.40	ug/L		06/04/25 07:00	06/05/25 17:27	1
Carbazole	ND		10.0	0.320	ug/L		06/04/25 07:00	06/05/25 17:27	1
Chrysene	ND		10.0	1.20	ug/L		06/04/25 07:00	06/05/25 17:27	1
Dibenz(a,h)anthracene	ND		10.0	1.30	ug/L		06/04/25 07:00	06/05/25 17:27	1
Dibenzofuran	ND		10.0	0.640	ug/L		06/04/25 07:00	06/05/25 17:27	1
Diethyl phthalate	ND		10.0	4.00	ug/L		06/04/25 07:00	06/05/25 17:27	1
Dimethyl phthalate	ND		10.0	4.00	ug/L		06/04/25 07:00	06/05/25 17:27	1
Di-n-butyl phthalate	ND		10.0	4.00	ug/L		06/04/25 07:00	06/05/25 17:27	1
Di-n-octyl phthalate	ND		10.0	4.00	ug/L		06/04/25 07:00	06/05/25 17:27	1
Fluoranthene	ND		10.0	0.630	ug/L		06/04/25 07:00	06/05/25 17:27	1
Fluorene	ND		10.0	0.670	ug/L		06/04/25 07:00	06/05/25 17:27	1
Hexachlorobenzene	ND		10.0	0.250	ug/L		06/04/25 07:00	06/05/25 17:27	1
Hexachlorobutadiene	ND		10.0	0.550	ug/L		06/04/25 07:00	06/05/25 17:27	1
Hexachlorocyclopentadiene	ND		20.0	0.320	ug/L		06/04/25 07:00	06/05/25 17:27	1
Hexachloroethane	ND		10.0	0.530	ug/L		06/04/25 07:00	06/05/25 17:27	1
Indeno[1,2,3-cd]pyrene	ND		10.0	1.10	ug/L		06/04/25 07:00	06/05/25 17:27	1
Isophorone	ND		10.0	0.800	ug/L		06/04/25 07:00	06/05/25 17:27	1
Naphthalene	ND		10.0	0.750	ug/L		06/04/25 07:00	06/05/25 17:27	1
Nitrobenzene	ND		10.0	0.600	ug/L		06/04/25 07:00	06/05/25 17:27	1
N-Nitrosodi-n-propylamine	ND		10.0	0.330	ug/L		06/04/25 07:00	06/05/25 17:27	1
N-Nitrosodiphenylamine	ND		10.0	0.190	ug/L		06/04/25 07:00	06/05/25 17:27	1
Pentachlorophenol	ND		10.0	2.80	ug/L		06/04/25 07:00	06/05/25 17:27	1
Phenanthrene	ND		10.0	0.740	ug/L		06/04/25 07:00	06/05/25 17:27	1
Phenol	ND		10.0	0.680	ug/L		06/04/25 07:00	06/05/25 17:27	1
Pyrene	ND		10.0	0.630	ug/L		06/04/25 07:00	06/05/25 17:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*87*		*10 - 150*	*06/04/25 07:00*	*06/05/25 17:27*	*1*
2-Fluorobiphenyl (Surr)	*76*		*25 - 139*	*06/04/25 07:00*	*06/05/25 17:27*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-711547/1-A
Matrix: Water
Analysis Batch: 711694

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711547

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	*95*		*10 - 150*	*06/04/25 07:00*	*06/05/25 17:27*	*1*
Nitrobenzene-d5 (Surr)	*84*		*22 - 150*	*06/04/25 07:00*	*06/05/25 17:27*	*1*
Phenol-d5 (Surr)	*108*		*10 - 150*	*06/04/25 07:00*	*06/05/25 17:27*	*1*
Terphenyl-d14 (Surr)	*76*		*28 - 150*	*06/04/25 07:00*	*06/05/25 17:27*	*1*

Lab Sample ID: LCS 400-711547/2-A
Matrix: Water
Analysis Batch: 711694

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711547

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	50.0	35.44		ug/L		71	27 - 120
2,4,5-Trichlorophenol	50.0	44.47		ug/L		89	27 - 136
2,4,6-Trichlorophenol	50.0	45.21		ug/L		90	21 - 132
2,4-Dichlorophenol	50.0	43.63		ug/L		87	30 - 125
2,4-Dimethylphenol	50.0	41.82		ug/L		84	10 - 142
2,4-Dinitrophenol	100	78.38	E	ug/L		78	10 - 150
2,4-Dinitrotoluene	50.0	43.21		ug/L		86	30 - 129
2,6-Dinitrotoluene	50.0	43.23		ug/L		86	34 - 132
2-Chloronaphthalene	50.0	34.91		ug/L		70	10 - 150
2-Chlorophenol	50.0	46.98		ug/L		94	28 - 127
2-Methylnaphthalene	50.0	32.78		ug/L		66	24 - 110
2-Methylphenol	50.0	51.80		ug/L		104	11 - 121
2-Nitroaniline	50.0	48.07		ug/L		96	31 - 141
2-Nitrophenol	50.0	46.37		ug/L		93	31 - 142
3 & 4 Methylphenol	50.0	54.37		ug/L		109	10 - 150
3,3'-Dichlorobenzidine	66.7	52.14		ug/L		78	10 - 150
3-Nitroaniline	50.0	43.31		ug/L		87	33 - 136
4,6-Dinitro-2-methylphenol	100	88.47		ug/L		88	10 - 150
4-Bromophenyl phenyl ether	50.0	43.52		ug/L		87	24 - 120
4-Chloro-3-methylphenol	50.0	49.04		ug/L		98	10 - 137
4-Chloroaniline	50.0	48.36		ug/L		97	10 - 150
4-Chlorophenyl phenyl ether	50.0	37.84		ug/L		76	31 - 110
4-Nitroaniline	50.0	43.72		ug/L		87	37 - 139
4-Nitrophenol	100	115.1		ug/L		115	10 - 150
Acenaphthene	50.0	35.67		ug/L		71	29 - 110
Acenaphthylene	50.0	37.94		ug/L		76	30 - 112
Acetophenone	50.0	45.02		ug/L		90	27 - 119
Anthracene	50.0	45.99		ug/L		92	31 - 120
Atrazine	50.0	50.52		ug/L		101	10 - 150
Benzaldehyde	50.0	37.19		ug/L		74	10 - 150
Benzo[a]anthracene	50.0	51.96		ug/L		104	36 - 118
Benzo[a]pyrene	50.0	45.14		ug/L		90	29 - 120
Benzo[b]fluoranthene	50.0	47.75		ug/L		96	32 - 119
Benzo[g,h,i]perylene	50.0	41.85		ug/L		84	28 - 115
Benzo[k]fluoranthene	50.0	45.67		ug/L		91	30 - 118
bis (2-chloroisopropyl) ether	50.0	41.40		ug/L		83	32 - 115
Bis(2-chloroethoxy)methane	50.0	47.18		ug/L		94	34 - 120
Bis(2-chloroethyl)ether	50.0	43.62		ug/L		87	32 - 114

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-711547/2-A
Matrix: Water
Analysis Batch: 711694

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711547

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-ethylhexyl) phthalate	50.0	42.80		ug/L		86	24 - 133
Butyl benzyl phthalate	50.0	46.32		ug/L		93	24 - 140
Caprolactam	50.0	46.20		ug/L		92	10 - 150
Carbazole	50.0	45.67		ug/L		91	28 - 123
Chrysene	50.0	49.98		ug/L		100	34 - 113
Dibenz(a,h)anthracene	50.0	42.87		ug/L		86	29 - 117
Dibenzofuran	50.0	45.35		ug/L		91	35 - 110
Diethyl phthalate	50.0	32.54		ug/L		65	31 - 118
Dimethyl phthalate	50.0	36.14		ug/L		72	24 - 125
Di-n-butyl phthalate	50.0	39.54		ug/L		79	30 - 127
Di-n-octyl phthalate	50.0	42.82		ug/L		86	28 - 142
Fluoranthene	50.0	51.17		ug/L		102	30 - 124
Fluorene	50.0	40.39		ug/L		81	30 - 118
Hexachlorobenzene	50.0	43.79		ug/L		88	29 - 113
Hexachlorobutadiene	50.0	24.64		ug/L		49	10 - 117
Hexachlorocyclopentadiene	50.0	19.41	J	ug/L		39	10 - 150
Hexachloroethane	50.0	26.76		ug/L		54	10 - 112
Indeno[1,2,3-cd]pyrene	50.0	42.51		ug/L		85	28 - 115
Isophorone	50.0	44.09		ug/L		88	29 - 125
Naphthalene	50.0	35.10		ug/L		70	27 - 110
Nitrobenzene	50.0	41.08		ug/L		82	29 - 129
N-Nitrosodi-n-propylamine	50.0	47.73		ug/L		95	53 - 134
N-Nitrosodiphenylamine	49.6	43.65		ug/L		88	62 - 132
Pentachlorophenol	100	98.98		ug/L		99	14 - 150
Phenanthrene	50.0	45.73		ug/L		91	32 - 115
Phenol	50.0	64.83		ug/L		130	10 - 150
Pyrene	50.0	49.28		ug/L		99	30 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*91*		*10 - 150*
2-Fluorobiphenyl (Surr)	*74*		*25 - 139*
2-Fluorophenol (Surr)	*96*		*10 - 150*
Nitrobenzene-d5 (Surr)	*82*		*22 - 150*
Phenol-d5 (Surr)	*119*		*10 - 150*
Terphenyl-d14 (Surr)	*82*		*28 - 150*

Lab Sample ID: LCSD 400-711547/3-A
Matrix: Water
Analysis Batch: 711694

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 711547

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	50.0	35.24		ug/L		70	27 - 120	1	40
2,4,5-Trichlorophenol	50.0	47.04		ug/L		94	27 - 136	6	40
2,4,6-Trichlorophenol	50.0	46.59		ug/L		93	21 - 132	3	40
2,4-Dichlorophenol	50.0	46.51		ug/L		93	30 - 125	6	40
2,4-Dimethylphenol	50.0	47.41		ug/L		95	10 - 142	13	40
2,4-Dinitrophenol	100	79.45	E	ug/L		79	10 - 150	1	40
2,4-Dinitrotoluene	50.0	44.23		ug/L		88	30 - 129	2	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-711547/3-A
Matrix: Water
Analysis Batch: 711694

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 711547

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,6-Dinitrotoluene			50.0	43.99		ug/L		88	34 - 132	2	40
2-Chloronaphthalene			50.0	30.43		ug/L		61	10 - 150	14	40
2-Chlorophenol			50.0	50.01		ug/L		100	28 - 127	6	40
2-Methylnaphthalene			50.0	34.55		ug/L		69	24 - 110	5	40
2-Methylphenol			50.0	56.11		ug/L		112	11 - 121	8	40
2-Nitroaniline			50.0	50.20		ug/L		100	31 - 141	4	40
2-Nitrophenol			50.0	49.92		ug/L		100	31 - 142	7	40
3 & 4 Methylphenol			50.0	58.35		ug/L		117	10 - 150	7	40
3,3'-Dichlorobenzidine			66.7	54.95		ug/L		82	10 - 150	5	40
3-Nitroaniline			50.0	44.73		ug/L		89	33 - 136	3	40
4,6-Dinitro-2-methylphenol			100	91.83		ug/L		92	10 - 150	4	40
4-Bromophenyl phenyl ether			50.0	44.54		ug/L		89	24 - 120	2	40
4-Chloro-3-methylphenol			50.0	52.64		ug/L		105	10 - 137	7	40
4-Chloroaniline			50.0	51.18		ug/L		102	10 - 150	6	40
4-Chlorophenyl phenyl ether			50.0	38.50		ug/L		77	31 - 110	2	40
4-Nitroaniline			50.0	45.26		ug/L		91	37 - 139	3	40
4-Nitrophenol			100	119.9		ug/L		120	10 - 150	4	40
Acenaphthene			50.0	35.87		ug/L		72	29 - 110	1	40
Acenaphthylene			50.0	38.29		ug/L		77	30 - 112	1	40
Acetophenone			50.0	46.08		ug/L		92	27 - 119	2	40
Anthracene			50.0	47.32		ug/L		95	31 - 120	3	40
Atrazine			50.0	50.36		ug/L		101	10 - 150	0	40
Benzaldehyde			50.0	38.70		ug/L		77	10 - 150	4	40
Benzo[a]anthracene			50.0	55.42		ug/L		111	36 - 118	6	40
Benzo[a]pyrene			50.0	45.08		ug/L		90	29 - 120	0	40
Benzo[b]fluoranthene			50.0	47.99		ug/L		96	32 - 119	1	40
Benzo[g,h,i]perylene			50.0	41.67		ug/L		83	28 - 115	0	40
Benzo[k]fluoranthene			50.0	45.56		ug/L		91	30 - 118	0	40
bis (2-chloroisopropyl) ether			50.0	42.24		ug/L		84	32 - 115	2	40
Bis(2-chloroethoxy)methane			50.0	50.17		ug/L		100	34 - 120	6	40
Bis(2-chloroethyl)ether			50.0	44.83		ug/L		90	32 - 114	3	40
Bis(2-ethylhexyl) phthalate			50.0	44.65		ug/L		89	24 - 133	4	40
Butyl benzyl phthalate			50.0	54.22		ug/L		108	24 - 140	16	40
Caprolactam			50.0	57.77		ug/L		116	10 - 150	22	40
Carbazole			50.0	46.33		ug/L		93	28 - 123	1	40
Chrysene			50.0	54.04		ug/L		108	34 - 113	8	40
Dibenz(a,h)anthracene			50.0	42.97		ug/L		86	29 - 117	0	40
Dibenzofuran			50.0	46.14		ug/L		92	35 - 110	2	40
Diethyl phthalate			50.0	35.41		ug/L		71	31 - 118	8	40
Dimethyl phthalate			50.0	37.82		ug/L		76	24 - 125	5	40
Di-n-butyl phthalate			50.0	43.64		ug/L		87	30 - 127	10	40
Di-n-octyl phthalate			50.0	44.73		ug/L		89	28 - 142	4	40
Fluoranthene			50.0	51.28		ug/L		103	30 - 124	0	40
Fluorene			50.0	40.60		ug/L		81	30 - 118	1	40
Hexachlorobenzene			50.0	44.69		ug/L		89	29 - 113	2	40
Hexachlorobutadiene			50.0	24.64		ug/L		49	10 - 117	0	40
Hexachlorocyclopentadiene			50.0	20.68		ug/L		41	10 - 150	6	40
Hexachloroethane			50.0	26.75		ug/L		53	10 - 112	0	40
Indeno[1,2,3-cd]pyrene			50.0	42.27		ug/L		85	28 - 115	1	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-711547/3-A
Matrix: Water
Analysis Batch: 711694

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 711547

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Isophorone			50.0	45.14		ug/L		90	29 - 125	2	40
Naphthalene			50.0	37.19		ug/L		74	27 - 110	6	40
Nitrobenzene			50.0	42.25		ug/L		84	29 - 129	3	40
N-Nitrosodi-n-propylamine			50.0	49.95		ug/L		100	53 - 134	5	40
N-Nitrosodiphenylamine			49.6	44.44		ug/L		90	62 - 132	2	40
Pentachlorophenol			100	102.1		ug/L		102	14 - 150	3	40
Phenanthrene			50.0	46.57		ug/L		93	32 - 115	2	40
Phenol			50.0	68.63	E	ug/L		137	10 - 150	6	40
Pyrene			50.0	51.42		ug/L		103	30 - 126	4	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*94*		*10 - 150*
2-Fluorobiphenyl (Surr)	*72*		*25 - 139*
2-Fluorophenol (Surr)	*99*		*10 - 150*
Nitrobenzene-d5 (Surr)	*82*		*22 - 150*
Phenol-d5 (Surr)	*125*		*10 - 150*
Terphenyl-d14 (Surr)	*82*		*28 - 150*

Lab Sample ID: MB 400-711584/1-A
Matrix: Water
Analysis Batch: 711974

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711584

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.0	0.420	ug/L		06/04/25 07:00	06/07/25 15:34	1
2,4,5-Trichlorophenol	ND		10.0	0.540	ug/L		06/04/25 07:00	06/07/25 15:34	1
2,4,6-Trichlorophenol	ND		10.0	1.09	ug/L		06/04/25 07:00	06/07/25 15:34	1
2,4-Dichlorophenol	ND		10.0	0.570	ug/L		06/04/25 07:00	06/07/25 15:34	1
2,4-Dimethylphenol	ND		10.0	0.240	ug/L		06/04/25 07:00	06/07/25 15:34	1
2,4-Dinitrophenol	ND		30.0	4.68	ug/L		06/04/25 07:00	06/07/25 15:34	1
2,4-Dinitrotoluene	ND		10.0	0.650	ug/L		06/04/25 07:00	06/07/25 15:34	1
2,6-Dinitrotoluene	ND		10.0	0.290	ug/L		06/04/25 07:00	06/07/25 15:34	1
2-Chloronaphthalene	ND		10.0	0.380	ug/L		06/04/25 07:00	06/07/25 15:34	1
2-Chlorophenol	ND		10.0	0.840	ug/L		06/04/25 07:00	06/07/25 15:34	1
2-Methylnaphthalene	ND		10.0	0.810	ug/L		06/04/25 07:00	06/07/25 15:34	1
2-Methylphenol	ND		10.0	0.760	ug/L		06/04/25 07:00	06/07/25 15:34	1
2-Nitroaniline	ND		10.0	1.37	ug/L		06/04/25 07:00	06/07/25 15:34	1
2-Nitrophenol	ND		10.0	1.17	ug/L		06/04/25 07:00	06/07/25 15:34	1
3 & 4 Methylphenol	ND		20.0	4.60	ug/L		06/04/25 07:00	06/07/25 15:34	1
3,3'-Dichlorobenzidine	ND		11.0	0.410	ug/L		06/04/25 07:00	06/07/25 15:34	1
3-Nitroaniline	ND		10.0	0.950	ug/L		06/04/25 07:00	06/07/25 15:34	1
4,6-Dinitro-2-methylphenol	ND		10.0	1.97	ug/L		06/04/25 07:00	06/07/25 15:34	1
4-Bromophenyl phenyl ether	ND		10.0	0.130	ug/L		06/04/25 07:00	06/07/25 15:34	1
4-Chloro-3-methylphenol	ND		10.0	0.730	ug/L		06/04/25 07:00	06/07/25 15:34	1
4-Chloroaniline	ND		10.0	0.280	ug/L		06/04/25 07:00	06/07/25 15:34	1
4-Chlorophenyl phenyl ether	ND		10.0	0.240	ug/L		06/04/25 07:00	06/07/25 15:34	1
4-Nitroaniline	ND		10.0	3.50	ug/L		06/04/25 07:00	06/07/25 15:34	1
4-Nitrophenol	ND		10.0	2.74	ug/L		06/04/25 07:00	06/07/25 15:34	1
Acenaphthene	ND		10.0	0.630	ug/L		06/04/25 07:00	06/07/25 15:34	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-711584/1-A
Matrix: Water
Analysis Batch: 711974

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711584

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		10.0	0.760	ug/L		06/04/25 07:00	06/07/25 15:34	1
Acetophenone	ND		10.0	3.20	ug/L		06/04/25 07:00	06/07/25 15:34	1
Anthracene	ND		10.0	0.910	ug/L		06/04/25 07:00	06/07/25 15:34	1
Atrazine	ND		10.0	1.13	ug/L		06/04/25 07:00	06/07/25 15:34	1
Benzaldehyde	ND		10.0	0.670	ug/L		06/04/25 07:00	06/07/25 15:34	1
Benzo[a]anthracene	ND		10.0	1.00	ug/L		06/04/25 07:00	06/07/25 15:34	1
Benzo[a]pyrene	ND		10.0	1.10	ug/L		06/04/25 07:00	06/07/25 15:34	1
Benzo[b]fluoranthene	ND		10.0	1.20	ug/L		06/04/25 07:00	06/07/25 15:34	1
Benzo[g,h,i]perylene	ND		10.0	1.50	ug/L		06/04/25 07:00	06/07/25 15:34	1
Benzo[k]fluoranthene	ND		10.0	1.50	ug/L		06/04/25 07:00	06/07/25 15:34	1
bis (2-chloroisopropyl) ether	ND		10.0	0.930	ug/L		06/04/25 07:00	06/07/25 15:34	1
Bis(2-chloroethoxy)methane	ND		10.0	0.340	ug/L		06/04/25 07:00	06/07/25 15:34	1
Bis(2-chloroethyl)ether	ND		10.0	0.730	ug/L		06/04/25 07:00	06/07/25 15:34	1
Bis(2-ethylhexyl) phthalate	ND		10.0	4.00	ug/L		06/04/25 07:00	06/07/25 15:34	1
Butyl benzyl phthalate	ND		10.0	4.00	ug/L		06/04/25 07:00	06/07/25 15:34	1
Caprolactam	ND		10.0	2.40	ug/L		06/04/25 07:00	06/07/25 15:34	1
Carbazole	ND		10.0	0.320	ug/L		06/04/25 07:00	06/07/25 15:34	1
Chrysene	ND		10.0	1.20	ug/L		06/04/25 07:00	06/07/25 15:34	1
Dibenz(a,h)anthracene	ND		10.0	1.30	ug/L		06/04/25 07:00	06/07/25 15:34	1
Dibenzofuran	ND		10.0	0.640	ug/L		06/04/25 07:00	06/07/25 15:34	1
Diethyl phthalate	ND		10.0	4.00	ug/L		06/04/25 07:00	06/07/25 15:34	1
Dimethyl phthalate	ND		10.0	4.00	ug/L		06/04/25 07:00	06/07/25 15:34	1
Di-n-butyl phthalate	ND		10.0	4.00	ug/L		06/04/25 07:00	06/07/25 15:34	1
Di-n-octyl phthalate	ND		10.0	4.00	ug/L		06/04/25 07:00	06/07/25 15:34	1
Fluoranthene	ND		10.0	0.630	ug/L		06/04/25 07:00	06/07/25 15:34	1
Fluorene	ND		10.0	0.670	ug/L		06/04/25 07:00	06/07/25 15:34	1
Hexachlorobenzene	ND		10.0	0.250	ug/L		06/04/25 07:00	06/07/25 15:34	1
Hexachlorobutadiene	ND		10.0	0.550	ug/L		06/04/25 07:00	06/07/25 15:34	1
Hexachlorocyclopentadiene	ND		20.0	0.320	ug/L		06/04/25 07:00	06/07/25 15:34	1
Hexachloroethane	ND		10.0	0.530	ug/L		06/04/25 07:00	06/07/25 15:34	1
Indeno[1,2,3-cd]pyrene	ND		10.0	1.10	ug/L		06/04/25 07:00	06/07/25 15:34	1
Isophorone	ND		10.0	0.800	ug/L		06/04/25 07:00	06/07/25 15:34	1
Naphthalene	ND		10.0	0.750	ug/L		06/04/25 07:00	06/07/25 15:34	1
Nitrobenzene	ND		10.0	0.600	ug/L		06/04/25 07:00	06/07/25 15:34	1
N-Nitrosodi-n-propylamine	ND		10.0	0.330	ug/L		06/04/25 07:00	06/07/25 15:34	1
N-Nitrosodiphenylamine	ND		10.0	0.190	ug/L		06/04/25 07:00	06/07/25 15:34	1
Pentachlorophenol	ND		10.0	2.80	ug/L		06/04/25 07:00	06/07/25 15:34	1
Phenanthrene	ND		10.0	0.740	ug/L		06/04/25 07:00	06/07/25 15:34	1
Phenol	ND		10.0	0.680	ug/L		06/04/25 07:00	06/07/25 15:34	1
Pyrene	ND		10.0	0.630	ug/L		06/04/25 07:00	06/07/25 15:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*10 - 150*	*06/04/25 07:00*	*06/07/25 15:34*	*1*
2-Fluorobiphenyl (Surr)	*83*		*25 - 139*	*06/04/25 07:00*	*06/07/25 15:34*	*1*
2-Fluorophenol (Surr)	*95*		*10 - 150*	*06/04/25 07:00*	*06/07/25 15:34*	*1*
Nitrobenzene-d5 (Surr)	*81*		*22 - 150*	*06/04/25 07:00*	*06/07/25 15:34*	*1*
Phenol-d5 (Surr)	*90*		*10 - 150*	*06/04/25 07:00*	*06/07/25 15:34*	*1*
Terphenyl-d14 (Surr)	*73*		*28 - 150*	*06/04/25 07:00*	*06/07/25 15:34*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-711584/2-A
Matrix: Water
Analysis Batch: 711974

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711584

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	50.0	33.63		ug/L		67	27 - 120
2,4,5-Trichlorophenol	50.0	45.90		ug/L		92	27 - 136
2,4,6-Trichlorophenol	50.0	49.13		ug/L		98	21 - 132
2,4-Dichlorophenol	50.0	44.80		ug/L		90	30 - 125
2,4-Dimethylphenol	50.0	39.21		ug/L		78	10 - 142
2,4-Dinitrophenol	100	73.81		ug/L		74	10 - 150
2,4-Dinitrotoluene	50.0	47.93		ug/L		96	30 - 129
2,6-Dinitrotoluene	50.0	48.04		ug/L		96	34 - 132
2-Chloronaphthalene	50.0	34.81		ug/L		70	10 - 150
2-Chlorophenol	50.0	47.16		ug/L		94	28 - 127
2-Methylnaphthalene	50.0	33.91		ug/L		68	24 - 110
2-Methylphenol	50.0	44.15		ug/L		88	11 - 121
2-Nitroaniline	50.0	55.28		ug/L		111	31 - 141
2-Nitrophenol	50.0	51.44		ug/L		103	31 - 142
3 & 4 Methylphenol	50.0	47.50		ug/L		95	10 - 150
3,3'-Dichlorobenzidine	66.7	46.36		ug/L		70	10 - 150
3-Nitroaniline	50.0	48.13		ug/L		96	33 - 136
4,6-Dinitro-2-methylphenol	100	85.02		ug/L		85	10 - 150
4-Bromophenyl phenyl ether	50.0	37.98		ug/L		76	24 - 120
4-Chloro-3-methylphenol	50.0	47.93		ug/L		96	10 - 137
4-Chloroaniline	50.0	47.35		ug/L		95	10 - 150
4-Chlorophenyl phenyl ether	50.0	40.12		ug/L		80	31 - 110
4-Nitroaniline	50.0	46.52		ug/L		93	37 - 139
4-Nitrophenol	100	133.8	E	ug/L		134	10 - 150
Acenaphthene	50.0	36.38		ug/L		73	29 - 110
Acenaphthylene	50.0	38.01		ug/L		76	30 - 112
Acetophenone	50.0	41.56		ug/L		83	27 - 119
Anthracene	50.0	40.87		ug/L		82	31 - 120
Atrazine	50.0	47.28		ug/L		95	10 - 150
Benzaldehyde	50.0	37.77		ug/L		76	10 - 150
Benzo[a]anthracene	50.0	42.55		ug/L		85	36 - 118
Benzo[a]pyrene	50.0	40.68		ug/L		81	29 - 120
Benzo[b]fluoranthene	50.0	40.17		ug/L		80	32 - 119
Benzo[g,h,i]perylene	50.0	37.88		ug/L		76	28 - 115
Benzo[k]fluoranthene	50.0	41.31		ug/L		83	30 - 118
bis (2-chloroisopropyl) ether	50.0	39.58		ug/L		79	32 - 115
Bis(2-chloroethoxy)methane	50.0	42.36		ug/L		85	34 - 120
Bis(2-chloroethyl)ether	50.0	41.81		ug/L		84	32 - 114
Bis(2-ethylhexyl) phthalate	50.0	39.80		ug/L		80	24 - 133
Butyl benzyl phthalate	50.0	30.16		ug/L		60	24 - 140
Caprolactam	50.0	34.99		ug/L		70	10 - 150
Carbazole	50.0	42.49		ug/L		85	28 - 123
Chrysene	50.0	42.24		ug/L		84	34 - 113
Dibenz(a,h)anthracene	50.0	39.17		ug/L		78	29 - 117
Dibenzofuran	50.0	39.85		ug/L		80	35 - 110
Diethyl phthalate	50.0	29.14		ug/L		58	31 - 118
Dimethyl phthalate	50.0	30.00		ug/L		60	24 - 125
Di-n-butyl phthalate	50.0	31.95		ug/L		64	30 - 127

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-711584/2-A
Matrix: Water
Analysis Batch: 711974

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711584

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Di-n-octyl phthalate			50.0	38.36		ug/L		77	28 - 142		
Fluoranthene			50.0	42.80		ug/L		86	30 - 124		
Fluorene			50.0	38.59		ug/L		77	30 - 118		
Hexachlorobenzene			50.0	38.97		ug/L		78	29 - 113		
Hexachlorobutadiene			50.0	29.24		ug/L		58	10 - 117		
Hexachlorocyclopentadiene			50.0	21.72		ug/L		43	10 - 150		
Hexachloroethane			50.0	27.33		ug/L		55	10 - 112		
Indeno[1,2,3-cd]pyrene			50.0	37.76		ug/L		76	28 - 115		
Isophorone			50.0	40.42		ug/L		81	29 - 125		
Naphthalene			50.0	36.86		ug/L		74	27 - 110		
Nitrobenzene			50.0	42.26		ug/L		85	29 - 129		
N-Nitrosodi-n-propylamine			50.0	41.87		ug/L		84	53 - 134		
N-Nitrosodiphenylamine			49.6	46.20		ug/L		93	62 - 132		
Pentachlorophenol			100	95.09		ug/L		95	14 - 150		
Phenanthrene			50.0	39.01		ug/L		78	32 - 115		
Phenol			50.0	57.01		ug/L		114	10 - 150		
Pyrene			50.0	43.82		ug/L		88	30 - 126		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*87*		*10 - 150*
2-Fluorobiphenyl (Surr)	*75*		*25 - 139*
2-Fluorophenol (Surr)	*89*		*10 - 150*
Nitrobenzene-d5 (Surr)	*79*		*22 - 150*
Phenol-d5 (Surr)	*100*		*10 - 150*
Terphenyl-d14 (Surr)	*70*		*28 - 150*

Lab Sample ID: LCSD 400-711584/3-A
Matrix: Water
Analysis Batch: 711974

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 711584

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl			50.0	33.77		ug/L		68	27 - 120	0	40
2,4,5-Trichlorophenol			50.0	47.12		ug/L		94	27 - 136	3	40
2,4,6-Trichlorophenol			50.0	50.30		ug/L		101	21 - 132	2	40
2,4-Dichlorophenol			50.0	47.34		ug/L		95	30 - 125	6	40
2,4-Dimethylphenol			50.0	40.76		ug/L		82	10 - 142	4	40
2,4-Dinitrophenol			100	78.11		ug/L		78	10 - 150	6	40
2,4-Dinitrotoluene			50.0	48.93		ug/L		98	30 - 129	2	40
2,6-Dinitrotoluene			50.0	49.04		ug/L		98	34 - 132	2	40
2-Chloronaphthalene			50.0	34.33		ug/L		69	10 - 150	1	40
2-Chlorophenol			50.0	51.18		ug/L		102	28 - 127	8	40
2-Methylnaphthalene			50.0	32.83		ug/L		66	24 - 110	3	40
2-Methylphenol			50.0	49.08		ug/L		98	11 - 121	11	40
2-Nitroaniline			50.0	57.20		ug/L		114	31 - 141	3	40
2-Nitrophenol			50.0	53.64		ug/L		107	31 - 142	4	40
3 & 4 Methylphenol			50.0	52.58		ug/L		105	10 - 150	10	40
3,3'-Dichlorobenzidine			66.7	49.56		ug/L		74	10 - 150	7	40
3-Nitroaniline			50.0	48.45		ug/L		97	33 - 136	1	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-711584/3-A
Matrix: Water
Analysis Batch: 711974

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 711584

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,6-Dinitro-2-methylphenol			100	87.18		ug/L		87	10 - 150	3	40
4-Bromophenyl phenyl ether			50.0	40.14		ug/L		80	24 - 120	6	40
4-Chloro-3-methylphenol			50.0	49.07		ug/L		98	10 - 137	2	40
4-Chloroaniline			50.0	47.27		ug/L		95	10 - 150	0	40
4-Chlorophenyl phenyl ether			50.0	40.38		ug/L		81	31 - 110	1	40
4-Nitroaniline			50.0	47.80		ug/L		96	37 - 139	3	40
4-Nitrophenol			100	132.6		ug/L		133	10 - 150	1	40
Acenaphthene			50.0	36.90		ug/L		74	29 - 110	1	40
Acenaphthylene			50.0	38.83		ug/L		78	30 - 112	2	40
Acetophenone			50.0	45.05		ug/L		90	27 - 119	8	40
Anthracene			50.0	43.23		ug/L		86	31 - 120	6	40
Atrazine			50.0	46.98		ug/L		94	10 - 150	1	40
Benzaldehyde			50.0	40.87		ug/L		82	10 - 150	8	40
Benzo[a]anthracene			50.0	44.01		ug/L		88	36 - 118	3	40
Benzo[a]pyrene			50.0	44.60		ug/L		89	29 - 120	9	40
Benzo[b]fluoranthene			50.0	43.73		ug/L		87	32 - 119	8	40
Benzo[g,h,i]perylene			50.0	41.63		ug/L		83	28 - 115	9	40
Benzo[k]fluoranthene			50.0	44.97		ug/L		90	30 - 118	8	40
bis (2-chloroisopropyl) ether			50.0	42.91		ug/L		86	32 - 115	8	40
Bis(2-chloroethoxy)methane			50.0	42.69		ug/L		85	34 - 120	1	40
Bis(2-chloroethyl)ether			50.0	45.08		ug/L		90	32 - 114	8	40
Bis(2-ethylhexyl) phthalate			50.0	40.93		ug/L		82	24 - 133	3	40
Butyl benzyl phthalate			50.0	33.19		ug/L		66	24 - 140	10	40
Caprolactam			50.0	33.83		ug/L		68	10 - 150	3	40
Carbazole			50.0	44.35		ug/L		89	28 - 123	4	40
Chrysene			50.0	43.63		ug/L		87	34 - 113	3	40
Dibenz(a,h)anthracene			50.0	43.10		ug/L		86	29 - 117	10	40
Dibenzofuran			50.0	39.91		ug/L		80	35 - 110	0	40
Diethyl phthalate			50.0	30.71		ug/L		61	31 - 118	5	40
Dimethyl phthalate			50.0	31.00		ug/L		62	24 - 125	3	40
Di-n-butyl phthalate			50.0	35.08		ug/L		70	30 - 127	9	40
Di-n-octyl phthalate			50.0	39.26		ug/L		79	28 - 142	2	40
Fluoranthene			50.0	44.32		ug/L		89	30 - 124	4	40
Fluorene			50.0	39.64		ug/L		79	30 - 118	3	40
Hexachlorobenzene			50.0	41.11		ug/L		82	29 - 113	5	40
Hexachlorobutadiene			50.0	26.75		ug/L		54	10 - 117	9	40
Hexachlorocyclopentadiene			50.0	20.26		ug/L		41	10 - 150	7	40
Hexachloroethane			50.0	27.54		ug/L		55	10 - 112	1	40
Indeno[1,2,3-cd]pyrene			50.0	41.77		ug/L		84	28 - 115	10	40
Isophorone			50.0	44.19		ug/L		88	29 - 125	9	40
Naphthalene			50.0	35.92		ug/L		72	27 - 110	3	40
Nitrobenzene			50.0	46.64		ug/L		93	29 - 129	10	40
N-Nitrosodi-n-propylamine			50.0	46.67		ug/L		93	53 - 134	11	40
N-Nitrosodiphenylamine			49.6	46.48		ug/L		94	62 - 132	1	40
Pentachlorophenol			100	102.5		ug/L		102	14 - 150	7	40
Phenanthrene			50.0	41.17		ug/L		82	32 - 115	5	40
Phenol			50.0	58.47		ug/L		117	10 - 150	3	40
Pyrene			50.0	45.53		ug/L		91	30 - 126	4	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-711584/3-A
Matrix: Water
Analysis Batch: 711974

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 711584

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*102*		*10 - 150*
2-Fluorobiphenyl (Surr)	*77*		*25 - 139*
2-Fluorophenol (Surr)	*105*		*10 - 150*
Nitrobenzene-d5 (Surr)	*87*		*22 - 150*
Phenol-d5 (Surr)	*110*		*10 - 150*
Terphenyl-d14 (Surr)	*72*		*28 - 150*

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 400-711732/1-A
Matrix: Water
Analysis Batch: 712314

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711732

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.300	0.300	ug/L		06/05/25 07:00	06/10/25 20:39	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*15*		*10 - 140*	*06/05/25 07:00*	*06/10/25 20:39*	*1*

Lab Sample ID: LCS 400-711732/2-A
Matrix: Water
Analysis Batch: 712314

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711732

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			16.0	16.29		ug/L		102	30 - 150		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*21*		*10 - 140*

Lab Sample ID: LCSD 400-711732/3-A
Matrix: Water
Analysis Batch: 712314

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 711732

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			16.0	16.70		ug/L		104	30 - 150	3	

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,4-Dioxane-d8	*23*		*10 - 140*

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 400-711085/27
Matrix: Water
Analysis Batch: 711085

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.100	0.0630	mg/L			06/01/25 11:05	1

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 400-711085/25
Matrix: Water
Analysis Batch: 711085

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N			2.26	2.098		mg/L		93	90 - 110		

Lab Sample ID: LCSD 400-711085/10
Matrix: Water
Analysis Batch: 711085

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N			2.26	2.066		mg/L		91	90 - 110	2	15

Lab Sample ID: MB 400-711087/27
Matrix: Water
Analysis Batch: 711087

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		1.00	0.390	mg/L			06/01/25 11:05	1

Lab Sample ID: LCS 400-711087/25
Matrix: Water
Analysis Batch: 711087

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			10.0	9.583		mg/L		96	90 - 110		

Lab Sample ID: LCSD 400-711087/10
Matrix: Water
Analysis Batch: 711087

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate			10.0	9.750		mg/L		98	90 - 110	2	15

Lab Sample ID: MB 400-711587/5
Matrix: Water
Analysis Batch: 711587

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.100	0.0630	mg/L			06/04/25 19:06	1

Lab Sample ID: LCS 400-711587/6
Matrix: Water
Analysis Batch: 711587

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N			2.26	2.150		mg/L		95	90 - 110		

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-883157/1-A
Matrix: Water
Analysis Batch: 883230

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 883157

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	0.340	ug/L		06/04/25 05:08	06/04/25 12:34	1
Arsenic	ND		3.00	0.860	ug/L		06/04/25 05:08	06/04/25 12:34	1
Barium	1.235	J	5.00	0.890	ug/L		06/04/25 05:08	06/04/25 12:34	1
Beryllium	ND		0.500	0.200	ug/L		06/04/25 05:08	06/04/25 12:34	1
Cadmium	ND		0.500	0.0780	ug/L		06/04/25 05:08	06/04/25 12:34	1
Chromium	ND		5.00	1.20	ug/L		06/04/25 05:08	06/04/25 12:34	1
Cobalt	ND		0.500	0.220	ug/L		06/04/25 05:08	06/04/25 12:34	1
Copper	ND		5.00	1.08	ug/L		06/04/25 05:08	06/04/25 12:34	1
Lead	ND		2.50	0.210	ug/L		06/04/25 05:08	06/04/25 12:34	1
Manganese	ND		5.00	2.20	ug/L		06/04/25 05:08	06/04/25 12:34	1
Nickel	ND		5.00	0.420	ug/L		06/04/25 05:08	06/04/25 12:34	1
Selenium	ND		2.50	0.990	ug/L		06/04/25 05:08	06/04/25 12:34	1
Silver	ND		1.00	0.390	ug/L		06/04/25 05:08	06/04/25 12:34	1
Thallium	ND		1.00	0.260	ug/L		06/04/25 05:08	06/04/25 12:34	1
Vanadium	ND		10.0	0.630	ug/L		06/04/25 05:08	06/04/25 12:34	1
Zinc	ND		20.0	2.80	ug/L		06/04/25 05:08	06/04/25 12:34	1

Lab Sample ID: LCS 680-883157/2-A
Matrix: Water
Analysis Batch: 883230

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 883157

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	50.0	51.43		ug/L		103	80 - 120
Arsenic	100	102.8		ug/L		103	80 - 120
Barium	100	99.56		ug/L		100	80 - 120
Beryllium	50.0	55.01		ug/L		110	80 - 120
Cadmium	50.0	52.30		ug/L		105	80 - 120
Chromium	100	104.3		ug/L		104	80 - 120
Cobalt	50.0	54.04		ug/L		108	80 - 120
Copper	101	106.8		ug/L		106	80 - 120
Lead	500	505.8		ug/L		101	80 - 120
Manganese	400	412.8		ug/L		103	80 - 120
Nickel	100	107.4		ug/L		107	80 - 120
Selenium	100	103.5		ug/L		103	80 - 120
Silver	50.0	55.37		ug/L		111	80 - 120
Thallium	50.0	50.90		ug/L		102	80 - 120
Vanadium	100	100.6		ug/L		101	80 - 120
Zinc	100	105.5		ug/L		106	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-883198/1-A
Matrix: Water
Analysis Batch: 883266

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 883198

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0800	ug/L		06/04/25 12:47	06/05/25 09:08	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 680-883198/2-A
Matrix: Water
Analysis Batch: 883266

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 883198

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.50	2.586		ug/L		103	80 - 120

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 400-712311/60
Matrix: Water
Analysis Batch: 712311

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N)	ND		0.0500	0.0460	mg/L			06/10/25 13:35	1

Lab Sample ID: LCS 400-712311/61
Matrix: Water
Analysis Batch: 712311

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia (as N)	2.99	3.130		mg/L		105	90 - 110

Lab Sample ID: MRL 400-712311/19
Matrix: Water
Analysis Batch: 712311

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia (as N)	0.0498	ND		mg/L		80	50 - 150

Lab Sample ID: MB 400-712427/48
Matrix: Water
Analysis Batch: 712427

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N)	ND		0.0500	0.0460	mg/L			06/11/25 11:12	1

Lab Sample ID: MB 400-712427/86
Matrix: Water
Analysis Batch: 712427

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N)	ND		0.0500	0.0460	mg/L			06/11/25 12:52	1

Lab Sample ID: LCS 400-712427/49
Matrix: Water
Analysis Batch: 712427

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia (as N)	2.99	3.127		mg/L		105	90 - 110

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCS 400-712427/87
Matrix: Water
Analysis Batch: 712427

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia (as N)	2.99	3.156		mg/L		106	90 - 110

Lab Sample ID: MRL 400-712427/18
Matrix: Water
Analysis Batch: 712427

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia (as N)	0.0498	0.06300		mg/L		126	50 - 150

Lab Chronicle

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276850-1

Client Sample ID: MW-2

Date Collected: 05/30/25 15:30
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276850-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712023	06/09/25 11:33	WPD	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	711547	06/04/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			711792	06/06/25 15:06	JAW	EET PEN
Total/NA	Prep	3510C			238.2 mL	1 mL	711732	06/05/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	712314	06/11/25 01:44	VC1	EET PEN
Total/NA	Analysis	9056A		1			711085	06/01/25 10:39	LHB	EET PEN
Total/NA	Analysis	9056A		1			711087	06/01/25 10:39	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	883157	06/04/25 05:08	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883230	06/04/25 13:17	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	883198	06/04/25 12:47	MG	EET SAV
Total/NA	Analysis	7470A		1			883266	06/05/25 09:22	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	712311	06/10/25 14:38	CAC	EET PEN

Client Sample ID: MW-3

Date Collected: 05/30/25 16:55
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276850-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712023	06/09/25 11:59	WPD	EET PEN
Total/NA	Prep	3511			30.5 mL	2 mL	711547	06/04/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			711792	06/06/25 15:43	JAW	EET PEN
Total/NA	Prep	3510C			241 mL	1 mL	711732	06/05/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	712314	06/11/25 02:06	VC1	EET PEN
Total/NA	Analysis	9056A		1			711085	06/01/25 10:48	LHB	EET PEN
Total/NA	Analysis	9056A		1			711087	06/01/25 10:48	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	883157	06/04/25 05:08	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883230	06/04/25 13:22	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	883198	06/04/25 12:47	MG	EET SAV
Total/NA	Analysis	7470A		1			883266	06/05/25 09:50	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	712311	06/10/25 14:52	CAC	EET PEN

Client Sample ID: MW-5

Date Collected: 05/30/25 11:00
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276850-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712023	06/09/25 12:24	WPD	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	711547	06/04/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			711792	06/06/25 16:20	JAW	EET PEN
Total/NA	Prep	3510C			217.6 mL	1 mL	711732	06/05/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	712314	06/11/25 02:27	VC1	EET PEN
Total/NA	Analysis	9056A		1			711085	06/01/25 09:48	LHB	EET PEN
Total/NA	Analysis	9056A		1			711087	06/01/25 09:48	AMM	EET PEN

Client Sample ID: MW-5

Lab Sample ID: 400-276850-3

Date Collected: 05/30/25 11:00

Matrix: Water

Date Received: 05/31/25 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	883157	06/04/25 05:08	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883230	06/04/25 13:15	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	883198	06/04/25 12:47	MG	EET SAV
Total/NA	Analysis	7470A		1			883266	06/05/25 09:55	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	712311	06/10/25 14:54	CAC	EET PEN

Client Sample ID: MW-7

Lab Sample ID: 400-276850-4

Date Collected: 05/30/25 13:00

Matrix: Water

Date Received: 05/31/25 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712023	06/09/25 14:58	WPD	EET PEN
Total/NA	Prep	3511			30.5 mL	2 mL	711547	06/04/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			711792	06/06/25 16:56	JAW	EET PEN
Total/NA	Prep	3510C			254 mL	1 mL	711732	06/05/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	712314	06/11/25 02:49	VC1	EET PEN
Total/NA	Analysis	9056A		1			711085	06/01/25 10:22	LHB	EET PEN
Total/NA	Analysis	9056A		1			711087	06/01/25 10:22	AMM	EET PEN
Total/NA	Analysis	9056A		5			711587	06/04/25 21:05	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	883157	06/04/25 05:08	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883230	06/04/25 13:28	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	883198	06/04/25 12:47	MG	EET SAV
Total/NA	Analysis	7470A		1			883266	06/05/25 09:52	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	712311	06/10/25 14:57	CAC	EET PEN

Client Sample ID: MW-8

Lab Sample ID: 400-276850-5

Date Collected: 05/30/25 14:00

Matrix: Water

Date Received: 05/31/25 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712023	06/09/25 15:24	WPD	EET PEN
Total/NA	Prep	3511			30.5 mL	2 mL	711547	06/04/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			711792	06/06/25 17:34	JAW	EET PEN
Total/NA	Prep	3510C			225.6 mL	1 mL	711732	06/05/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	712314	06/11/25 03:11	VC1	EET PEN
Total/NA	Analysis	9056A		1			711085	06/01/25 10:31	LHB	EET PEN
Total/NA	Analysis	9056A		1			711087	06/01/25 10:31	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	883157	06/04/25 05:08	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883230	06/04/25 13:20	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	883198	06/04/25 12:47	MG	EET SAV
Total/NA	Analysis	7470A		1			883266	06/05/25 09:24	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	712427	06/11/25 12:34	CAC	EET PEN

Lab Chronicle

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276850-1

Client Sample ID: DUP-1
Date Collected: 05/30/25 11:10
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276850-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712023	06/09/25 15:50	WPD	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	711584	06/04/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			711974	06/07/25 19:15	JAW	EET PEN
Total/NA	Prep	3510C			230.8 mL	1 mL	711732	06/05/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	712314	06/11/25 03:32	VC1	EET PEN
Total/NA	Analysis	9056A		1			711085	06/01/25 10:14	LHB	EET PEN
Total/NA	Analysis	9056A		1			711087	06/01/25 10:14	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	883157	06/04/25 05:08	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883230	06/04/25 13:25	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	883198	06/04/25 12:47	MG	EET SAV
Total/NA	Analysis	7470A		1			883266	06/05/25 09:48	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	712427	06/11/25 13:06	CAC	EET PEN

Client Sample ID: TRIP BLANK
Date Collected: 05/30/25 00:00
Date Received: 05/31/25 10:09

Lab Sample ID: 400-276850-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712023	06/09/25 14:33	WPD	EET PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-711085/27
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			711085	06/01/25 11:05	LHB	EET PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-711087/27
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			711087	06/01/25 11:05	AMM	EET PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-711547/1-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	711547	06/04/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			711694	06/05/25 17:27	JAW	EET PEN

Lab Chronicle

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276850-1

Client Sample ID: Method Blank
Lab Sample ID: MB 400-711584/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	711584	06/04/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			711974	06/07/25 15:34	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-711587/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			711587	06/04/25 19:06	AMM	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-711732/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			250 mL	1 mL	711732	06/05/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	712314	06/10/25 20:39	VC1	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-712023/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712023	06/09/25 08:59	WPD	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-712311/60
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	10 mL	10 mL	712311	06/10/25 13:35	CAC	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-712427/48
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	10 mL	10 mL	712427	06/11/25 11:12	CAC	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-712427/86
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	10 mL	10 mL	712427	06/11/25 12:52	CAC	EET PEN

Lab Chronicle

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276850-1

Client Sample ID: Method Blank
Lab Sample ID: MB 680-883157/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	883157	06/04/25 05:08	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883230	06/04/25 12:34	BWR	EET SAV

Client Sample ID: Method Blank
Lab Sample ID: MB 680-883198/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	883198	06/04/25 12:47	MG	EET SAV
Total/NA	Analysis	7470A		1			883266	06/05/25 09:08	BJB	EET SAV

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-711085/25
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			711085	06/01/25 11:13	LHB	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-711087/25
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			711087	06/01/25 11:13	AMM	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-711547/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	711547	06/04/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	711694	06/05/25 18:04	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-711584/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	711584	06/04/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			711974	06/07/25 16:06	JAW	EET PEN

Lab Chronicle

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276850-1

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-711587/6
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			711587	06/04/25 19:14	AMM	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-711732/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			250 mL	1 mL	711732	06/05/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	712314	06/10/25 21:01	VC1	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-712023/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712023	06/09/25 08:08	WPD	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-712311/61
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	10 mL	10 mL	712311	06/10/25 13:37	CAC	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-712427/49
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	10 mL	10 mL	712427	06/11/25 11:14	CAC	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-712427/87
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	10 mL	10 mL	712427	06/11/25 12:55	CAC	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 680-883157/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	883157	06/04/25 05:08	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883230	06/04/25 12:37	BWR	EET SAV

Lab Chronicle

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276850-1

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 680-883198/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	883198	06/04/25 12:47	MG	EET SAV
Total/NA	Analysis	7470A		1			883266	06/05/25 09:10	BJB	EET SAV

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-711085/10
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			711085	06/01/25 11:22	LHB	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-711087/10
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			711087	06/01/25 11:22	AMM	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-711547/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	711547	06/04/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	711694	06/05/25 18:40	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-711584/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	711584	06/04/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			711974	06/07/25 16:38	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-711732/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			250 mL	1 mL	711732	06/05/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	712314	06/10/25 21:22	VC1	EET PEN

Lab Chronicle

Client: S&ME Inc
Job ID: 400-276850-1
Project/Site: East End Park

Client Sample ID: Lab Control Sample
Lab Sample ID: MRL 400-712311/19
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	100 mL	100 mL	712311	06/10/25 11:45	CAC	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: MRL 400-712427/18
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	100 mL	100 mL	712427	06/11/25 09:51	CAC	EET PEN

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Method Summary

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276850-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
8270E SIM ID	Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)	SW846	EET PEN
9056A	Anions, Ion Chromatography	SW846	EET PEN
6020B	Metals (ICP/MS)	SW846	EET SAV
7470A	Mercury (CVAA)	SW846	EET SAV
350.1	Nitrogen, Ammonia	EPA	EET PEN
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN
7470A	Preparation, Mercury	SW846	EET SAV

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: S&ME Inc
Job ID: 400-276850-1
Project/Site: East End Park

Laboratory: Eurofins Pensacola

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
North Carolina (WW/SW)	State	314	12-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	1,2,4-Trimethylbenzene
8260D		Water	Hexane
8260D		Water	n-Heptane
8270E	3511	Water	3 & 4 Methylphenol
8270E	3511	Water	4-Nitrophenol
9056A		Water	Nitrate as N
9056A		Water	Sulfate

Laboratory: Eurofins Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
North Carolina (WW/SW)	State	269	12-31-25

Eurofins Raleigh
104 Woodwinds Industrial Court Suite A
Cary, NC 27511
Phone (919) 467-3090

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Clay Faircloth	Lab PM: Chad Bechtold	Carrier Tracking No(s):	COC No:
Client Contact: Jerry Paul	Phone: 919.954.6229	E-Mail: jpaul@smeinc.com	State of Origin: NC	Page:
Company: SME	PWSID:			Job #:
Address: 3201 Spring Forest Rd.	Due Date Requested:			Preservation Codes:
City: Raleigh	TAT Requested (days):			
State, Zip: NC, 27616	Compliance Project: Δ Yes Δ No			
Phone: 919.954.6229	PO #:			
Email: jpaul@smeinc.com	WO #:			
Project Name: City of Durham-	Eurofins' Project #:			Other:
Site: East End Park	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	9056A - ORGFM_28D - Sulfate	9056A - ORGFM_48HR - Nitrate as N	Ammonia as N	6020B - PRLP 16 metals	8260D - VOC NC 02L List	8270E - SIM_MS-1D-1,4 Diox.	8270E_aqq SVOC TCL	8260D - VOC NC 02L List	Total Number of containers	Special Instructions/Note:
			Preservation Code:												
MW-2	5/30/25	1530	G	W		✓	✓	✓	✓	✓	✓	✓	✓		
MW-3	5/30/25	1655	G	W		✓	✓	✓	✓	✓	✓	✓	✓		
MW-5	5/30/25	1100				✓	✓	✓	✓	✓	✓	✓	✓		
MW-7	5/30/25	1300				✓	✓	✓	✓	✓	✓	✓	✓		
MW-8	5/30/25	1400				✓	✓	✓	✓	✓	✓	✓	✓		
DUP-1	5/30/25	1110				✓	✓	✓	✓	✓	✓	✓	✓		

400-276850 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Clay Faircloth	5/30/25 1900	SME	VB	5/31/25/1009	EEIS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 2.6 IR11 3.6 IR4

Ver: 05/06/2024

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Bechtold, Chad	Carrier Tracking No(s): N/A	COC No: 400-377114.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Chad.Bechtold@et.eurofinsus.com	State of Origin: North Carolina	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): State - North Carolina (WW/SW)		Job #: 400-276850-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 6/10/2025	Analysis Requested		Preservation Codes: -
City: Savannah	TAT Requested (days): N/A			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: East End Park	Project #: 68026680			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Wwater, Ssolid, Owaste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005A PRLF 16 Metals, including prep	7470A/7470A_Prep Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MW-2 (400-276850-1)	5/30/25	15:30 Eastern	G	Water			X	X	1	
MW-3 (400-276850-2)	5/30/25	16:55 Eastern	G	Water			X	X	1	
MW-5 (400-276850-3)	5/30/25	11:00 Eastern	G	Water			X	X	1	
MW-7 (400-276850-4)	5/30/25	13:00 Eastern	G	Water			X	X	1	
MW-8 (400-276850-5)	5/30/25	14:00 Eastern	G	Water			X	X	1	
DUP-1 (400-276850-6)	5/30/25	11:10 Eastern	G	Water			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:
Empty Kit Relinquished by:	Date: Time: Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	6/2/25 1200	EET			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.8 / 1.8

Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 400-276850-1

Login Number: 276850
List Number: 1
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.6°C, 2.6°C IR11
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Received Trip Blank(s) not listed on COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 400-276850-1

Login Number: 276850
List Number: 2
Creator: Faught, Timothy

List Source: Eurofins Savannah
List Creation: 06/03/25 12:33 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Jerry Paul
S&ME Inc
3201 Spring Forest Road
Raleigh, North Carolina 27616

Generated 6/24/2025 7:19:37 AM

JOB DESCRIPTION

East End Park

JOB NUMBER

400-276939-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization

Generated
6/24/2025 7:19:37 AM

Authorized for release by
Chad Bechtold, Project Manager
Chad.Bechtold@et.eurofinsus.com
(813)690-3563

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Detection Summary 5
Sample Summary 7
Client Sample Results 8
Definitions 26
Surrogate Summary 27
QC Association 28
QC Sample Results 31
Chronicle 43
Method Summary 49
Certification Summary 50
Chain of Custody 51
Receipt Checklists 53

Job Narrative
400-276939-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 6/3/2025 9:18 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°C.

GC/MS VOA
Method 8260D: The laboratory control sample (LCS) for analytical batch 400-712374 recovered outside control limits for the following analytes: Acetone, Methylene Chloride and Trichlorofluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method 350.1: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-6 (400-276939-3). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276939-1

Client Sample ID: MW-1 — Lab Sample ID: 400-276939-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	2.91		1.00	0.390	mg/L	1		9056A	Total/NA
Antimony	0.345	J	5.00	0.340	ug/L	1		6020B	Total Recoverable
Arsenic	1.88	J	3.00	0.860	ug/L	1		6020B	Total Recoverable
Barium	163		5.00	0.890	ug/L	1		6020B	Total Recoverable
Chromium	1.66	J	5.00	1.20	ug/L	1		6020B	Total Recoverable
Cobalt	0.355	J	0.500	0.220	ug/L	1		6020B	Total Recoverable
Copper	1.21	J	5.00	1.08	ug/L	1		6020B	Total Recoverable
Lead	4.32		2.50	0.210	ug/L	1		6020B	Total Recoverable
Manganese	53.5		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	1.14	J	5.00	0.420	ug/L	1		6020B	Total Recoverable
Vanadium	2.60	J	10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	6.95	J B	20.0	2.80	ug/L	1		6020B	Total Recoverable

Client Sample ID: MW-4 — Lab Sample ID: 400-276939-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	1.08		1.00	0.220	ug/L	1		8260D	Total/NA
Nitrate as N	0.402		0.100	0.0630	mg/L	1		9056A	Total/NA
Sulfate	6.74		1.00	0.390	mg/L	1		9056A	Total/NA
Arsenic	1.03	J	3.00	0.860	ug/L	1		6020B	Total Recoverable
Barium	574		5.00	0.890	ug/L	1		6020B	Total Recoverable
Chromium	1.20	J	5.00	1.20	ug/L	1		6020B	Total Recoverable
Cobalt	1.18		0.500	0.220	ug/L	1		6020B	Total Recoverable
Copper	1.28	J	5.00	1.08	ug/L	1		6020B	Total Recoverable
Lead	0.560	J	2.50	0.210	ug/L	1		6020B	Total Recoverable
Manganese	276		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	3.75	J	5.00	0.420	ug/L	1		6020B	Total Recoverable
Vanadium	2.40	J	10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	5.14	J B	20.0	2.80	ug/L	1		6020B	Total Recoverable

Client Sample ID: MW-6 — Lab Sample ID: 400-276939-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	0.832	J	1.00	0.390	mg/L	1		9056A	Total/NA
Arsenic	7.13		3.00	0.860	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Client Sample ID: MW-6 (Continued) — Lab Sample ID: 400-276939-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	714		5.00	0.890	ug/L	1		6020B	Total Recoverable
Chromium	3.00	J	5.00	1.20	ug/L	1		6020B	Total Recoverable
Cobalt	2.18		0.500	0.220	ug/L	1		6020B	Total Recoverable
Copper	1.67	J	5.00	1.08	ug/L	1		6020B	Total Recoverable
Lead	3.38		2.50	0.210	ug/L	1		6020B	Total Recoverable
Manganese	1870		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	1.37	J	5.00	0.420	ug/L	1		6020B	Total Recoverable
Vanadium	2.06	J	10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	24.8	B	20.0	2.80	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	4.94		0.100	0.0920	mg/L	2		350.1	Total/NA

Client Sample ID: DUP-2 — Lab Sample ID: 400-276939-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	1.93		1.00	0.220	ug/L	1		8260D	Total/NA
Nitrate as N	0.615		0.100	0.0630	mg/L	1		9056A	Total/NA
Sulfate	7.49		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	602		5.00	0.890	ug/L	1		6020B	Total Recoverable
Cobalt	1.93		0.500	0.220	ug/L	1		6020B	Total Recoverable
Copper	1.86	J	5.00	1.08	ug/L	1		6020B	Total Recoverable
Lead	0.885	J	2.50	0.210	ug/L	1		6020B	Total Recoverable
Manganese	304		5.00	2.20	ug/L	1		6020B	Total Recoverable
Nickel	4.59	J	5.00	0.420	ug/L	1		6020B	Total Recoverable
Vanadium	3.51	J	10.0	0.630	ug/L	1		6020B	Total Recoverable
Zinc	5.89	J B	20.0	2.80	ug/L	1		6020B	Total Recoverable

Client Sample ID: TRIP BLANK — Lab Sample ID: 400-276939-5

No Detections.

This Detection Summary does not include radiochemical test results.

Sample Summary

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276939-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-276939-1	MW-1	Water	06/02/25 11:25	06/03/25 09:18
400-276939-2	MW-4	Water	06/02/25 13:00	06/03/25 09:18
400-276939-3	MW-6	Water	06/02/25 14:30	06/03/25 09:18
400-276939-4	DUP-2	Water	06/02/25 13:10	06/03/25 09:18
400-276939-5	TRIP BLANK	Water	06/02/25 00:00	06/03/25 09:18

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276939-1

Client Sample ID: MW-1
Date Collected: 06/02/25 11:25
Date Received: 06/03/25 09:18

Lab Sample ID: 400-276939-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	25.0	10.0	ug/L			06/11/25 23:14	1
Benzene	ND		1.00	0.500	ug/L			06/11/25 23:14	1
Bromobenzene	ND		1.00	0.540	ug/L			06/11/25 23:14	1
Bromoform	ND		5.00	0.250	ug/L			06/11/25 23:14	1
Bromomethane	ND		1.00	0.980	ug/L			06/11/25 23:14	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/11/25 23:14	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/11/25 23:14	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/11/25 23:14	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/11/25 23:14	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/11/25 23:14	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/11/25 23:14	1
Chloroethane	ND		1.00	0.760	ug/L			06/11/25 23:14	1
Chloroform	ND		1.00	0.900	ug/L			06/11/25 23:14	1
Chloromethane	ND		1.00	0.400	ug/L			06/11/25 23:14	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/11/25 23:14	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/11/25 23:14	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/11/25 23:14	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/11/25 23:14	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/11/25 23:14	1
Dibromomethane	ND		5.00	0.220	ug/L			06/11/25 23:14	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/11/25 23:14	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/11/25 23:14	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/11/25 23:14	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/11/25 23:14	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/11/25 23:14	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/11/25 23:14	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/11/25 23:14	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/11/25 23:14	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/11/25 23:14	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/11/25 23:14	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/11/25 23:14	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/11/25 23:14	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/11/25 23:14	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/11/25 23:14	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/11/25 23:14	1
Hexane	ND		1.00	0.960	ug/L			06/11/25 23:14	1
2-Hexanone	ND		25.0	4.26	ug/L			06/11/25 23:14	1
Iodomethane	ND		1.00	0.900	ug/L			06/11/25 23:14	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/11/25 23:14	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/11/25 23:14	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/11/25 23:14	1
Methylene Chloride	ND	*+	5.00	3.00	ug/L			06/11/25 23:14	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/11/25 23:14	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/11/25 23:14	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/11/25 23:14	1
Naphthalene	ND		5.00	3.00	ug/L			06/11/25 23:14	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/11/25 23:14	1
n-Heptane	ND		1.00	0.210	ug/L			06/11/25 23:14	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/11/25 23:14	1

Client Sample ID: MW-1
Date Collected: 06/02/25 11:25
Date Received: 06/03/25 09:18

Lab Sample ID: 400-276939-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.00	3.00	ug/L			06/11/25 23:14	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/11/25 23:14	1
Styrene	ND		1.00	1.00	ug/L			06/11/25 23:14	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/11/25 23:14	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/11/25 23:14	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/11/25 23:14	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/11/25 23:14	1
Toluene	ND		1.00	0.900	ug/L			06/11/25 23:14	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/11/25 23:14	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/11/25 23:14	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/11/25 23:14	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/11/25 23:14	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/11/25 23:14	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/11/25 23:14	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/11/25 23:14	1
Trichloroethene	ND		1.00	0.150	ug/L			06/11/25 23:14	1
Trichlorofluoromethane	ND	*+	1.00	0.250	ug/L			06/11/25 23:14	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/11/25 23:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/11/25 23:14	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/11/25 23:14	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/11/25 23:14	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/11/25 23:14	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/11/25 23:14	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/11/25 23:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*81*		*56 - 136*		*06/11/25 23:14*	*1*
Dibromofluoromethane	*118*		*79 - 130*		*06/11/25 23:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*59 - 146*		*06/11/25 23:14*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*06/11/25 23:14*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.335	0.335	ug/L		06/06/25 07:00	06/14/25 17:44	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*23*		*10 - 140*	*06/06/25 07:00*	*06/14/25 17:44*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.87	0.414	ug/L		06/04/25 07:00	06/07/25 17:09	1
2,4,5-Trichlorophenol	ND		9.87	0.533	ug/L		06/04/25 07:00	06/07/25 17:09	1
2,4,6-Trichlorophenol	ND		9.87	1.08	ug/L		06/04/25 07:00	06/07/25 17:09	1
2,4-Dichlorophenol	ND		9.87	0.563	ug/L		06/04/25 07:00	06/07/25 17:09	1
2,4-Dimethylphenol	ND		9.87	0.237	ug/L		06/04/25 07:00	06/07/25 17:09	1
2,4-Dinitrophenol	ND		29.6	4.62	ug/L		06/04/25 07:00	06/07/25 17:09	1
2,4-Dinitrotoluene	ND		9.87	0.641	ug/L		06/04/25 07:00	06/07/25 17:09	1
2,6-Dinitrotoluene	ND		9.87	0.286	ug/L		06/04/25 07:00	06/07/25 17:09	1
2-Chloronaphthalene	ND		9.87	0.375	ug/L		06/04/25 07:00	06/07/25 17:09	1
2-Chlorophenol	ND		9.87	0.829	ug/L		06/04/25 07:00	06/07/25 17:09	1
2-Methylnaphthalene	ND		9.87	0.799	ug/L		06/04/25 07:00	06/07/25 17:09	1

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276939-1

Client Sample ID: MW-1
Date Collected: 06/02/25 11:25
Date Received: 06/03/25 09:18

Lab Sample ID: 400-276939-1
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		9.87	0.750	ug/L		06/04/25 07:00	06/07/25 17:09	1
2-Nitroaniline	ND		9.87	1.35	ug/L		06/04/25 07:00	06/07/25 17:09	1
2-Nitrophenol	ND		9.87	1.15	ug/L		06/04/25 07:00	06/07/25 17:09	1
3 & 4 Methylphenol	ND		19.7	4.54	ug/L		06/04/25 07:00	06/07/25 17:09	1
3,3'-Dichlorobenzidine	ND		10.9	0.405	ug/L		06/04/25 07:00	06/07/25 17:09	1
3-Nitroaniline	ND		9.87	0.938	ug/L		06/04/25 07:00	06/07/25 17:09	1
4,6-Dinitro-2-methylphenol	ND		9.87	1.94	ug/L		06/04/25 07:00	06/07/25 17:09	1
4-Bromophenyl phenyl ether	ND		9.87	0.128	ug/L		06/04/25 07:00	06/07/25 17:09	1
4-Chloro-3-methylphenol	ND		9.87	0.720	ug/L		06/04/25 07:00	06/07/25 17:09	1
4-Chloroaniline	ND		9.87	0.276	ug/L		06/04/25 07:00	06/07/25 17:09	1
4-Chlorophenyl phenyl ether	ND		9.87	0.237	ug/L		06/04/25 07:00	06/07/25 17:09	1
4-Nitroaniline	ND		9.87	3.45	ug/L		06/04/25 07:00	06/07/25 17:09	1
4-Nitrophenol	ND		9.87	2.70	ug/L		06/04/25 07:00	06/07/25 17:09	1
Acenaphthene	ND		9.87	0.622	ug/L		06/04/25 07:00	06/07/25 17:09	1
Acenaphthylene	ND		9.87	0.750	ug/L		06/04/25 07:00	06/07/25 17:09	1
Acetophenone	ND		9.87	3.16	ug/L		06/04/25 07:00	06/07/25 17:09	1
Anthracene	ND		9.87	0.898	ug/L		06/04/25 07:00	06/07/25 17:09	1
Atrazine	ND		9.87	1.12	ug/L		06/04/25 07:00	06/07/25 17:09	1
Benzaldehyde	ND		9.87	0.661	ug/L		06/04/25 07:00	06/07/25 17:09	1
Benzo[a]anthracene	ND		9.87	0.987	ug/L		06/04/25 07:00	06/07/25 17:09	1
Benzo[a]pyrene	ND		9.87	1.09	ug/L		06/04/25 07:00	06/07/25 17:09	1
Benzo[b]fluoranthene	ND		9.87	1.18	ug/L		06/04/25 07:00	06/07/25 17:09	1
Benzo[g,h,i]perylene	ND		9.87	1.48	ug/L		06/04/25 07:00	06/07/25 17:09	1
Benzo[k]fluoranthene	ND		9.87	1.48	ug/L		06/04/25 07:00	06/07/25 17:09	1
bis (2-chloroisopropyl) ether	ND		9.87	0.918	ug/L		06/04/25 07:00	06/07/25 17:09	1
Bis(2-chloroethoxy)methane	ND		9.87	0.336	ug/L		06/04/25 07:00	06/07/25 17:09	1
Bis(2-chloroethyl)ether	ND		9.87	0.720	ug/L		06/04/25 07:00	06/07/25 17:09	1
Bis(2-ethylhexyl) phthalate	ND		9.87	3.95	ug/L		06/04/25 07:00	06/07/25 17:09	1
Butyl benzyl phthalate	ND		9.87	3.95	ug/L		06/04/25 07:00	06/07/25 17:09	1
Caprolactam	ND		9.87	2.37	ug/L		06/04/25 07:00	06/07/25 17:09	1
Carbazole	ND		9.87	0.316	ug/L		06/04/25 07:00	06/07/25 17:09	1
Chrysene	ND		9.87	1.18	ug/L		06/04/25 07:00	06/07/25 17:09	1
Dibenz(a,h)anthracene	ND		9.87	1.28	ug/L		06/04/25 07:00	06/07/25 17:09	1
Dibenzofuran	ND		9.87	0.632	ug/L		06/04/25 07:00	06/07/25 17:09	1
Diethyl phthalate	ND		9.87	3.95	ug/L		06/04/25 07:00	06/07/25 17:09	1
Dimethyl phthalate	ND		9.87	3.95	ug/L		06/04/25 07:00	06/07/25 17:09	1
Di-n-butyl phthalate	ND		9.87	3.95	ug/L		06/04/25 07:00	06/07/25 17:09	1
Di-n-octyl phthalate	ND		9.87	3.95	ug/L		06/04/25 07:00	06/07/25 17:09	1
Fluoranthene	ND		9.87	0.622	ug/L		06/04/25 07:00	06/07/25 17:09	1
Fluorene	ND		9.87	0.661	ug/L		06/04/25 07:00	06/07/25 17:09	1
Hexachlorobenzene	ND		9.87	0.247	ug/L		06/04/25 07:00	06/07/25 17:09	1
Hexachlorobutadiene	ND		9.87	0.543	ug/L		06/04/25 07:00	06/07/25 17:09	1
Hexachlorocyclopentadiene	ND		19.7	0.316	ug/L		06/04/25 07:00	06/07/25 17:09	1
Hexachloroethane	ND		9.87	0.523	ug/L		06/04/25 07:00	06/07/25 17:09	1
Indeno[1,2,3-cd]pyrene	ND		9.87	1.09	ug/L		06/04/25 07:00	06/07/25 17:09	1
Isophorone	ND		9.87	0.789	ug/L		06/04/25 07:00	06/07/25 17:09	1
Naphthalene	ND		9.87	0.740	ug/L		06/04/25 07:00	06/07/25 17:09	1
Nitrobenzene	ND		9.87	0.592	ug/L		06/04/25 07:00	06/07/25 17:09	1
N-Nitrosodi-n-propylamine	ND		9.87	0.326	ug/L		06/04/25 07:00	06/07/25 17:09	1

Client Sample ID: MW-1
Date Collected: 06/02/25 11:25
Date Received: 06/03/25 09:18

Lab Sample ID: 400-276939-1
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.87	0.188	ug/L		06/04/25 07:00	06/07/25 17:09	1
Pentachlorophenol	ND		9.87	2.76	ug/L		06/04/25 07:00	06/07/25 17:09	1
Phenanthrene	ND		9.87	0.730	ug/L		06/04/25 07:00	06/07/25 17:09	1
Phenol	ND		9.87	0.671	ug/L		06/04/25 07:00	06/07/25 17:09	1
Pyrene	ND		9.87	0.622	ug/L		06/04/25 07:00	06/07/25 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*94*		*10 - 150*	*06/04/25 07:00*	*06/07/25 17:09*	*1*
2-Fluorobiphenyl (Surr)	*77*		*25 - 139*	*06/04/25 07:00*	*06/07/25 17:09*	*1*
2-Fluorophenol (Surr)	*94*		*10 - 150*	*06/04/25 07:00*	*06/07/25 17:09*	*1*
Nitrobenzene-d5 (Surr)	*85*		*22 - 150*	*06/04/25 07:00*	*06/07/25 17:09*	*1*
Phenol-d5 (Surr)	*95*		*10 - 150*	*06/04/25 07:00*	*06/07/25 17:09*	*1*
Terphenyl-d14 (Surr)	*66*		*28 - 150*	*06/04/25 07:00*	*06/07/25 17:09*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.100	0.0630	mg/L			06/03/25 19:49	1
Sulfate	**2.91**		1.00	0.390	mg/L			06/03/25 19:49	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.345**	**J**	5.00	0.340	ug/L		06/05/25 13:28	06/06/25 14:42	1
Arsenic	**1.88**	**J**	3.00	0.860	ug/L		06/05/25 13:28	06/06/25 14:42	1
Barium	**163**		5.00	0.890	ug/L		06/05/25 13:28	06/06/25 14:42	1
Beryllium	ND		0.500	0.200	ug/L		06/05/25 13:28	06/06/25 14:42	1
Cadmium	ND		0.500	0.0780	ug/L		06/05/25 13:28	06/06/25 14:42	1
Chromium	**1.66**	**J**	5.00	1.20	ug/L		06/05/25 13:28	06/06/25 14:42	1
Cobalt	**0.355**	**J**	0.500	0.220	ug/L		06/05/25 13:28	06/06/25 14:42	1
Copper	**1.21**	**J**	5.00	1.08	ug/L		06/05/25 13:28	06/06/25 14:42	1
Lead	**4.32**		2.50	0.210	ug/L		06/05/25 13:28	06/06/25 14:42	1
Manganese	**53.5**		5.00	2.20	ug/L		06/05/25 13:28	06/06/25 14:42	1
Nickel	**1.14**	**J**	5.00	0.420	ug/L		06/05/25 13:28	06/06/25 14:42	1
Selenium	ND		2.50	0.990	ug/L		06/05/25 13:28	06/06/25 14:42	1
Silver	ND		1.00	0.390	ug/L		06/05/25 13:28	06/06/25 14:42	1
Thallium	ND		1.00	0.260	ug/L		06/05/25 13:28	06/06/25 14:42	1
Vanadium	**2.60**	**J**	10.0	0.630	ug/L		06/05/25 13:28	06/06/25 14:42	1
Zinc	**6.95**	**J B**	20.0	2.80	ug/L		06/05/25 13:28	06/06/25 14:42	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0800	ug/L		06/06/25 11:01	06/07/25 15:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		0.0500	0.0460	mg/L			06/11/25 13:43	1

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276939-1

Client Sample ID: MW-4
Date Collected: 06/02/25 13:00
Date Received: 06/03/25 09:18

Lab Sample ID: 400-276939-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	25.0	10.0	ug/L			06/11/25 23:41	1
Benzene	ND		1.00	0.500	ug/L			06/11/25 23:41	1
Bromobenzene	ND		1.00	0.540	ug/L			06/11/25 23:41	1
Bromoform	ND		5.00	0.250	ug/L			06/11/25 23:41	1
Bromomethane	ND		1.00	0.980	ug/L			06/11/25 23:41	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/11/25 23:41	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/11/25 23:41	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/11/25 23:41	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/11/25 23:41	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/11/25 23:41	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/11/25 23:41	1
Chloroethane	ND		1.00	0.760	ug/L			06/11/25 23:41	1
Chloroform	ND		1.00	0.900	ug/L			06/11/25 23:41	1
Chloromethane	ND		1.00	0.400	ug/L			06/11/25 23:41	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/11/25 23:41	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/11/25 23:41	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/11/25 23:41	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/11/25 23:41	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/11/25 23:41	1
Dibromomethane	ND		5.00	0.220	ug/L			06/11/25 23:41	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/11/25 23:41	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/11/25 23:41	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/11/25 23:41	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/11/25 23:41	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/11/25 23:41	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/11/25 23:41	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/11/25 23:41	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/11/25 23:41	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/11/25 23:41	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/11/25 23:41	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/11/25 23:41	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/11/25 23:41	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/11/25 23:41	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/11/25 23:41	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/11/25 23:41	1
Hexane	ND		1.00	0.960	ug/L			06/11/25 23:41	1
2-Hexanone	ND		25.0	4.26	ug/L			06/11/25 23:41	1
Iodomethane	ND		1.00	0.900	ug/L			06/11/25 23:41	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/11/25 23:41	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/11/25 23:41	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/11/25 23:41	1
Methylene Chloride	ND	*+	5.00	3.00	ug/L			06/11/25 23:41	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/11/25 23:41	1
Methyl tert-butyl ether	**1.08**		1.00	0.220	ug/L			06/11/25 23:41	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/11/25 23:41	1
Naphthalene	ND		5.00	3.00	ug/L			06/11/25 23:41	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/11/25 23:41	1
n-Heptane	ND		1.00	0.210	ug/L			06/11/25 23:41	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/11/25 23:41	1

Client Sample ID: MW-4
Date Collected: 06/02/25 13:00
Date Received: 06/03/25 09:18

Lab Sample ID: 400-276939-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.00	3.00	ug/L			06/11/25 23:41	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/11/25 23:41	1
Styrene	ND		1.00	1.00	ug/L			06/11/25 23:41	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/11/25 23:41	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/11/25 23:41	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/11/25 23:41	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/11/25 23:41	1
Toluene	ND		1.00	0.900	ug/L			06/11/25 23:41	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/11/25 23:41	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/11/25 23:41	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/11/25 23:41	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/11/25 23:41	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/11/25 23:41	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/11/25 23:41	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/11/25 23:41	1
Trichloroethene	ND		1.00	0.150	ug/L			06/11/25 23:41	1
Trichlorofluoromethane	ND	*+	1.00	0.250	ug/L			06/11/25 23:41	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/11/25 23:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/11/25 23:41	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/11/25 23:41	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/11/25 23:41	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/11/25 23:41	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/11/25 23:41	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/11/25 23:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*81*		*56 - 136*		*06/11/25 23:41*	*1*
Dibromofluoromethane	*117*		*79 - 130*		*06/11/25 23:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*59 - 146*		*06/11/25 23:41*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*06/11/25 23:41*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.305	0.305	ug/L		06/06/25 07:00	06/14/25 18:09	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*26*		*10 - 140*	*06/06/25 07:00*	*06/14/25 18:09*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.77	0.410	ug/L		06/04/25 07:00	06/07/25 17:41	1
2,4,5-Trichlorophenol	ND		9.77	0.528	ug/L		06/04/25 07:00	06/07/25 17:41	1
2,4,6-Trichlorophenol	ND		9.77	1.07	ug/L		06/04/25 07:00	06/07/25 17:41	1
2,4-Dichlorophenol	ND		9.77	0.557	ug/L		06/04/25 07:00	06/07/25 17:41	1
2,4-Dimethylphenol	ND		9.77	0.235	ug/L		06/04/25 07:00	06/07/25 17:41	1
2,4-Dinitrophenol	ND		29.3	4.57	ug/L		06/04/25 07:00	06/07/25 17:41	1
2,4-Dinitrotoluene	ND		9.77	0.635	ug/L		06/04/25 07:00	06/07/25 17:41	1
2,6-Dinitrotoluene	ND		9.77	0.283	ug/L		06/04/25 07:00	06/07/25 17:41	1
2-Chloronaphthalene	ND		9.77	0.371	ug/L		06/04/25 07:00	06/07/25 17:41	1
2-Chlorophenol	ND		9.77	0.821	ug/L		06/04/25 07:00	06/07/25 17:41	1
2-Methylnaphthalene	ND		9.77	0.792	ug/L		06/04/25 07:00	06/07/25 17:41	1

Client: S&ME Inc
Job ID: 400-276939-1
Project/Site: East End Park

Client Sample ID: MW-4
Lab Sample ID: 400-276939-2
Date Collected: 06/02/25 13:00
Matrix: Water
Date Received: 06/03/25 09:18

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		9.77	0.743	ug/L		06/04/25 07:00	06/07/25 17:41	1
2-Nitroaniline	ND		9.77	1.34	ug/L		06/04/25 07:00	06/07/25 17:41	1
2-Nitrophenol	ND		9.77	1.14	ug/L		06/04/25 07:00	06/07/25 17:41	1
3 & 4 Methylphenol	ND		19.5	4.50	ug/L		06/04/25 07:00	06/07/25 17:41	1
3,3'-Dichlorobenzidine	ND		10.7	0.401	ug/L		06/04/25 07:00	06/07/25 17:41	1
3-Nitroaniline	ND		9.77	0.928	ug/L		06/04/25 07:00	06/07/25 17:41	1
4,6-Dinitro-2-methylphenol	ND		9.77	1.93	ug/L		06/04/25 07:00	06/07/25 17:41	1
4-Bromophenyl phenyl ether	ND		9.77	0.127	ug/L		06/04/25 07:00	06/07/25 17:41	1
4-Chloro-3-methylphenol	ND		9.77	0.713	ug/L		06/04/25 07:00	06/07/25 17:41	1
4-Chloroaniline	ND		9.77	0.274	ug/L		06/04/25 07:00	06/07/25 17:41	1
4-Chlorophenyl phenyl ether	ND		9.77	0.235	ug/L		06/04/25 07:00	06/07/25 17:41	1
4-Nitroaniline	ND		9.77	3.42	ug/L		06/04/25 07:00	06/07/25 17:41	1
4-Nitrophenol	ND		9.77	2.68	ug/L		06/04/25 07:00	06/07/25 17:41	1
Acenaphthene	ND		9.77	0.616	ug/L		06/04/25 07:00	06/07/25 17:41	1
Acenaphthylene	ND		9.77	0.743	ug/L		06/04/25 07:00	06/07/25 17:41	1
Acetophenone	ND		9.77	3.13	ug/L		06/04/25 07:00	06/07/25 17:41	1
Anthracene	ND		9.77	0.889	ug/L		06/04/25 07:00	06/07/25 17:41	1
Atrazine	ND		9.77	1.10	ug/L		06/04/25 07:00	06/07/25 17:41	1
Benzaldehyde	ND		9.77	0.655	ug/L		06/04/25 07:00	06/07/25 17:41	1
Benzo[a]anthracene	ND		9.77	0.977	ug/L		06/04/25 07:00	06/07/25 17:41	1
Benzo[a]pyrene	ND		9.77	1.07	ug/L		06/04/25 07:00	06/07/25 17:41	1
Benzo[b]fluoranthene	ND		9.77	1.17	ug/L		06/04/25 07:00	06/07/25 17:41	1
Benzo[g,h,i]perylene	ND		9.77	1.47	ug/L		06/04/25 07:00	06/07/25 17:41	1
Benzo[k]fluoranthene	ND		9.77	1.47	ug/L		06/04/25 07:00	06/07/25 17:41	1
bis (2-chloroisopropyl) ether	ND		9.77	0.909	ug/L		06/04/25 07:00	06/07/25 17:41	1
Bis(2-chloroethoxy)methane	ND		9.77	0.332	ug/L		06/04/25 07:00	06/07/25 17:41	1
Bis(2-chloroethyl)ether	ND		9.77	0.713	ug/L		06/04/25 07:00	06/07/25 17:41	1
Bis(2-ethylhexyl) phthalate	ND		9.77	3.91	ug/L		06/04/25 07:00	06/07/25 17:41	1
Butyl benzyl phthalate	ND		9.77	3.91	ug/L		06/04/25 07:00	06/07/25 17:41	1
Caprolactam	ND		9.77	2.35	ug/L		06/04/25 07:00	06/07/25 17:41	1
Carbazole	ND		9.77	0.313	ug/L		06/04/25 07:00	06/07/25 17:41	1
Chrysene	ND		9.77	1.17	ug/L		06/04/25 07:00	06/07/25 17:41	1
Dibenz(a,h)anthracene	ND		9.77	1.27	ug/L		06/04/25 07:00	06/07/25 17:41	1
Dibenzofuran	ND		9.77	0.625	ug/L		06/04/25 07:00	06/07/25 17:41	1
Diethyl phthalate	ND		9.77	3.91	ug/L		06/04/25 07:00	06/07/25 17:41	1
Dimethyl phthalate	ND		9.77	3.91	ug/L		06/04/25 07:00	06/07/25 17:41	1
Di-n-butyl phthalate	ND		9.77	3.91	ug/L		06/04/25 07:00	06/07/25 17:41	1
Di-n-octyl phthalate	ND		9.77	3.91	ug/L		06/04/25 07:00	06/07/25 17:41	1
Fluoranthene	ND		9.77	0.616	ug/L		06/04/25 07:00	06/07/25 17:41	1
Fluorene	ND		9.77	0.655	ug/L		06/04/25 07:00	06/07/25 17:41	1
Hexachlorobenzene	ND		9.77	0.244	ug/L		06/04/25 07:00	06/07/25 17:41	1
Hexachlorobutadiene	ND		9.77	0.537	ug/L		06/04/25 07:00	06/07/25 17:41	1
Hexachlorocyclopentadiene	ND		19.5	0.313	ug/L		06/04/25 07:00	06/07/25 17:41	1
Hexachloroethane	ND		9.77	0.518	ug/L		06/04/25 07:00	06/07/25 17:41	1
Indeno[1,2,3-cd]pyrene	ND		9.77	1.07	ug/L		06/04/25 07:00	06/07/25 17:41	1
Isophorone	ND		9.77	0.782	ug/L		06/04/25 07:00	06/07/25 17:41	1
Naphthalene	ND		9.77	0.733	ug/L		06/04/25 07:00	06/07/25 17:41	1
Nitrobenzene	ND		9.77	0.586	ug/L		06/04/25 07:00	06/07/25 17:41	1
N-Nitrosodi-n-propylamine	ND		9.77	0.322	ug/L		06/04/25 07:00	06/07/25 17:41	1

Client Sample ID: MW-4
Date Collected: 06/02/25 13:00
Date Received: 06/03/25 09:18

Lab Sample ID: 400-276939-2
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.77	0.186	ug/L		06/04/25 07:00	06/07/25 17:41	1
Pentachlorophenol	ND		9.77	2.74	ug/L		06/04/25 07:00	06/07/25 17:41	1
Phenanthrene	ND		9.77	0.723	ug/L		06/04/25 07:00	06/07/25 17:41	1
Phenol	ND		9.77	0.664	ug/L		06/04/25 07:00	06/07/25 17:41	1
Pyrene	ND		9.77	0.616	ug/L		06/04/25 07:00	06/07/25 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*10 - 150*	*06/04/25 07:00*	*06/07/25 17:41*	*1*
2-Fluorobiphenyl (Surr)	*79*		*25 - 139*	*06/04/25 07:00*	*06/07/25 17:41*	*1*
2-Fluorophenol (Surr)	*86*		*10 - 150*	*06/04/25 07:00*	*06/07/25 17:41*	*1*
Nitrobenzene-d5 (Surr)	*83*		*22 - 150*	*06/04/25 07:00*	*06/07/25 17:41*	*1*
Phenol-d5 (Surr)	*87*		*10 - 150*	*06/04/25 07:00*	*06/07/25 17:41*	*1*
Terphenyl-d14 (Surr)	*58*		*28 - 150*	*06/04/25 07:00*	*06/07/25 17:41*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.402**		0.100	0.0630	mg/L			06/03/25 19:58	1
Sulfate	**6.74**		1.00	0.390	mg/L			06/03/25 19:58	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	0.340	ug/L		06/05/25 13:28	06/06/25 14:44	1
Arsenic	**1.03**	**J**	3.00	0.860	ug/L		06/05/25 13:28	06/06/25 14:44	1
Barium	**574**		5.00	0.890	ug/L		06/05/25 13:28	06/06/25 14:44	1
Beryllium	ND		0.500	0.200	ug/L		06/05/25 13:28	06/06/25 14:44	1
Cadmium	ND		0.500	0.0780	ug/L		06/05/25 13:28	06/06/25 14:44	1
Chromium	**1.20**	**J**	5.00	1.20	ug/L		06/05/25 13:28	06/06/25 14:44	1
Cobalt	**1.18**		0.500	0.220	ug/L		06/05/25 13:28	06/06/25 14:44	1
Copper	**1.28**	**J**	5.00	1.08	ug/L		06/05/25 13:28	06/06/25 14:44	1
Lead	**0.560**	**J**	2.50	0.210	ug/L		06/05/25 13:28	06/06/25 14:44	1
Manganese	**276**		5.00	2.20	ug/L		06/05/25 13:28	06/06/25 14:44	1
Nickel	**3.75**	**J**	5.00	0.420	ug/L		06/05/25 13:28	06/06/25 14:44	1
Selenium	ND		2.50	0.990	ug/L		06/05/25 13:28	06/06/25 14:44	1
Silver	ND		1.00	0.390	ug/L		06/05/25 13:28	06/06/25 14:44	1
Thallium	ND		1.00	0.260	ug/L		06/05/25 13:28	06/06/25 14:44	1
Vanadium	**2.40**	**J**	10.0	0.630	ug/L		06/05/25 13:28	06/06/25 14:44	1
Zinc	**5.14**	**J B**	20.0	2.80	ug/L		06/05/25 13:28	06/06/25 14:44	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0800	ug/L		06/06/25 11:01	06/07/25 15:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		0.0500	0.0460	mg/L			06/11/25 13:46	1

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276939-1

Client Sample ID: MW-6
Date Collected: 06/02/25 14:30
Date Received: 06/03/25 09:18

Lab Sample ID: 400-276939-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	25.0	10.0	ug/L			06/12/25 00:08	1
Benzene	ND		1.00	0.500	ug/L			06/12/25 00:08	1
Bromobenzene	ND		1.00	0.540	ug/L			06/12/25 00:08	1
Bromoform	ND		5.00	0.250	ug/L			06/12/25 00:08	1
Bromomethane	ND		1.00	0.980	ug/L			06/12/25 00:08	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/12/25 00:08	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/12/25 00:08	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/12/25 00:08	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/12/25 00:08	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/12/25 00:08	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/12/25 00:08	1
Chloroethane	ND		1.00	0.760	ug/L			06/12/25 00:08	1
Chloroform	ND		1.00	0.900	ug/L			06/12/25 00:08	1
Chloromethane	ND		1.00	0.400	ug/L			06/12/25 00:08	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/12/25 00:08	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/12/25 00:08	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/12/25 00:08	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/12/25 00:08	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/12/25 00:08	1
Dibromomethane	ND		5.00	0.220	ug/L			06/12/25 00:08	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/12/25 00:08	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/12/25 00:08	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/12/25 00:08	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/12/25 00:08	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/12/25 00:08	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/12/25 00:08	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/12/25 00:08	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/12/25 00:08	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/12/25 00:08	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/12/25 00:08	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/12/25 00:08	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/12/25 00:08	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/12/25 00:08	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/12/25 00:08	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/12/25 00:08	1
Hexane	ND		1.00	0.960	ug/L			06/12/25 00:08	1
2-Hexanone	ND		25.0	4.26	ug/L			06/12/25 00:08	1
Iodomethane	ND		1.00	0.900	ug/L			06/12/25 00:08	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/12/25 00:08	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/12/25 00:08	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/12/25 00:08	1
Methylene Chloride	ND	*+	5.00	3.00	ug/L			06/12/25 00:08	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/12/25 00:08	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/12/25 00:08	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/12/25 00:08	1
Naphthalene	ND		5.00	3.00	ug/L			06/12/25 00:08	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/12/25 00:08	1
n-Heptane	ND		1.00	0.210	ug/L			06/12/25 00:08	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/12/25 00:08	1

Client Sample ID: MW-6
Date Collected: 06/02/25 14:30
Date Received: 06/03/25 09:18

Lab Sample ID: 400-276939-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.00	3.00	ug/L			06/12/25 00:08	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/12/25 00:08	1
Styrene	ND		1.00	1.00	ug/L			06/12/25 00:08	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/12/25 00:08	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/12/25 00:08	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/12/25 00:08	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/12/25 00:08	1
Toluene	ND		1.00	0.900	ug/L			06/12/25 00:08	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/12/25 00:08	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/12/25 00:08	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/12/25 00:08	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/12/25 00:08	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/12/25 00:08	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/12/25 00:08	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/12/25 00:08	1
Trichloroethene	ND		1.00	0.150	ug/L			06/12/25 00:08	1
Trichlorofluoromethane	ND	*+	1.00	0.250	ug/L			06/12/25 00:08	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/12/25 00:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/12/25 00:08	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/12/25 00:08	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/12/25 00:08	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/12/25 00:08	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/12/25 00:08	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/12/25 00:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*80*		*56 - 136*		*06/12/25 00:08*	*1*
Dibromofluoromethane	*121*		*79 - 130*		*06/12/25 00:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*59 - 146*		*06/12/25 00:08*	*1*
Toluene-d8 (Surr)	*83*		*64 - 132*		*06/12/25 00:08*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.292	0.292	ug/L		06/06/25 07:00	06/14/25 18:34	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*30*		*10 - 140*	*06/06/25 07:00*	*06/14/25 18:34*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.87	0.414	ug/L		06/04/25 07:00	06/07/25 18:12	1
2,4,5-Trichlorophenol	ND		9.87	0.533	ug/L		06/04/25 07:00	06/07/25 18:12	1
2,4,6-Trichlorophenol	ND		9.87	1.08	ug/L		06/04/25 07:00	06/07/25 18:12	1
2,4-Dichlorophenol	ND		9.87	0.563	ug/L		06/04/25 07:00	06/07/25 18:12	1
2,4-Dimethylphenol	ND		9.87	0.237	ug/L		06/04/25 07:00	06/07/25 18:12	1
2,4-Dinitrophenol	ND		29.6	4.62	ug/L		06/04/25 07:00	06/07/25 18:12	1
2,4-Dinitrotoluene	ND		9.87	0.641	ug/L		06/04/25 07:00	06/07/25 18:12	1
2,6-Dinitrotoluene	ND		9.87	0.286	ug/L		06/04/25 07:00	06/07/25 18:12	1
2-Chloronaphthalene	ND		9.87	0.375	ug/L		06/04/25 07:00	06/07/25 18:12	1
2-Chlorophenol	ND		9.87	0.829	ug/L		06/04/25 07:00	06/07/25 18:12	1
2-Methylnaphthalene	ND		9.87	0.799	ug/L		06/04/25 07:00	06/07/25 18:12	1

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276939-1

Client Sample ID: MW-6
Date Collected: 06/02/25 14:30
Date Received: 06/03/25 09:18

Lab Sample ID: 400-276939-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		9.87	0.750	ug/L		06/04/25 07:00	06/07/25 18:12	1
2-Nitroaniline	ND		9.87	1.35	ug/L		06/04/25 07:00	06/07/25 18:12	1
2-Nitrophenol	ND		9.87	1.15	ug/L		06/04/25 07:00	06/07/25 18:12	1
3 & 4 Methylphenol	ND		19.7	4.54	ug/L		06/04/25 07:00	06/07/25 18:12	1
3,3'-Dichlorobenzidine	ND		10.9	0.405	ug/L		06/04/25 07:00	06/07/25 18:12	1
3-Nitroaniline	ND		9.87	0.938	ug/L		06/04/25 07:00	06/07/25 18:12	1
4,6-Dinitro-2-methylphenol	ND		9.87	1.94	ug/L		06/04/25 07:00	06/07/25 18:12	1
4-Bromophenyl phenyl ether	ND		9.87	0.128	ug/L		06/04/25 07:00	06/07/25 18:12	1
4-Chloro-3-methylphenol	ND		9.87	0.720	ug/L		06/04/25 07:00	06/07/25 18:12	1
4-Chloroaniline	ND		9.87	0.276	ug/L		06/04/25 07:00	06/07/25 18:12	1
4-Chlorophenyl phenyl ether	ND		9.87	0.237	ug/L		06/04/25 07:00	06/07/25 18:12	1
4-Nitroaniline	ND		9.87	3.45	ug/L		06/04/25 07:00	06/07/25 18:12	1
4-Nitrophenol	ND		9.87	2.70	ug/L		06/04/25 07:00	06/07/25 18:12	1
Acenaphthene	ND		9.87	0.622	ug/L		06/04/25 07:00	06/07/25 18:12	1
Acenaphthylene	ND		9.87	0.750	ug/L		06/04/25 07:00	06/07/25 18:12	1
Acetophenone	ND		9.87	3.16	ug/L		06/04/25 07:00	06/07/25 18:12	1
Anthracene	ND		9.87	0.898	ug/L		06/04/25 07:00	06/07/25 18:12	1
Atrazine	ND		9.87	1.12	ug/L		06/04/25 07:00	06/07/25 18:12	1
Benzaldehyde	ND		9.87	0.661	ug/L		06/04/25 07:00	06/07/25 18:12	1
Benzo[a]anthracene	ND		9.87	0.987	ug/L		06/04/25 07:00	06/07/25 18:12	1
Benzo[a]pyrene	ND		9.87	1.09	ug/L		06/04/25 07:00	06/07/25 18:12	1
Benzo[b]fluoranthene	ND		9.87	1.18	ug/L		06/04/25 07:00	06/07/25 18:12	1
Benzo[g,h,i]perylene	ND		9.87	1.48	ug/L		06/04/25 07:00	06/07/25 18:12	1
Benzo[k]fluoranthene	ND		9.87	1.48	ug/L		06/04/25 07:00	06/07/25 18:12	1
bis (2-chloroisopropyl) ether	ND		9.87	0.918	ug/L		06/04/25 07:00	06/07/25 18:12	1
Bis(2-chloroethoxy)methane	ND		9.87	0.336	ug/L		06/04/25 07:00	06/07/25 18:12	1
Bis(2-chloroethyl)ether	ND		9.87	0.720	ug/L		06/04/25 07:00	06/07/25 18:12	1
Bis(2-ethylhexyl) phthalate	ND		9.87	3.95	ug/L		06/04/25 07:00	06/07/25 18:12	1
Butyl benzyl phthalate	ND		9.87	3.95	ug/L		06/04/25 07:00	06/07/25 18:12	1
Caprolactam	ND		9.87	2.37	ug/L		06/04/25 07:00	06/07/25 18:12	1
Carbazole	ND		9.87	0.316	ug/L		06/04/25 07:00	06/07/25 18:12	1
Chrysene	ND		9.87	1.18	ug/L		06/04/25 07:00	06/07/25 18:12	1
Dibenz(a,h)anthracene	ND		9.87	1.28	ug/L		06/04/25 07:00	06/07/25 18:12	1
Dibenzofuran	ND		9.87	0.632	ug/L		06/04/25 07:00	06/07/25 18:12	1
Diethyl phthalate	ND		9.87	3.95	ug/L		06/04/25 07:00	06/07/25 18:12	1
Dimethyl phthalate	ND		9.87	3.95	ug/L		06/04/25 07:00	06/07/25 18:12	1
Di-n-butyl phthalate	ND		9.87	3.95	ug/L		06/04/25 07:00	06/07/25 18:12	1
Di-n-octyl phthalate	ND		9.87	3.95	ug/L		06/04/25 07:00	06/07/25 18:12	1
Fluoranthene	ND		9.87	0.622	ug/L		06/04/25 07:00	06/07/25 18:12	1
Fluorene	ND		9.87	0.661	ug/L		06/04/25 07:00	06/07/25 18:12	1
Hexachlorobenzene	ND		9.87	0.247	ug/L		06/04/25 07:00	06/07/25 18:12	1
Hexachlorobutadiene	ND		9.87	0.543	ug/L		06/04/25 07:00	06/07/25 18:12	1
Hexachlorocyclopentadiene	ND		19.7	0.316	ug/L		06/04/25 07:00	06/07/25 18:12	1
Hexachloroethane	ND		9.87	0.523	ug/L		06/04/25 07:00	06/07/25 18:12	1
Indeno[1,2,3-cd]pyrene	ND		9.87	1.09	ug/L		06/04/25 07:00	06/07/25 18:12	1
Isophorone	ND		9.87	0.789	ug/L		06/04/25 07:00	06/07/25 18:12	1
Naphthalene	ND		9.87	0.740	ug/L		06/04/25 07:00	06/07/25 18:12	1
Nitrobenzene	ND		9.87	0.592	ug/L		06/04/25 07:00	06/07/25 18:12	1
N-Nitrosodi-n-propylamine	ND		9.87	0.326	ug/L		06/04/25 07:00	06/07/25 18:12	1

Client Sample ID: MW-6
Date Collected: 06/02/25 14:30
Date Received: 06/03/25 09:18

Lab Sample ID: 400-276939-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.87	0.188	ug/L		06/04/25 07:00	06/07/25 18:12	1
Pentachlorophenol	ND		9.87	2.76	ug/L		06/04/25 07:00	06/07/25 18:12	1
Phenanthrene	ND		9.87	0.730	ug/L		06/04/25 07:00	06/07/25 18:12	1
Phenol	ND		9.87	0.671	ug/L		06/04/25 07:00	06/07/25 18:12	1
Pyrene	ND		9.87	0.622	ug/L		06/04/25 07:00	06/07/25 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*86*		*10 - 150*	*06/04/25 07:00*	*06/07/25 18:12*	*1*
2-Fluorobiphenyl (Surr)	*75*		*25 - 139*	*06/04/25 07:00*	*06/07/25 18:12*	*1*
2-Fluorophenol (Surr)	*85*		*10 - 150*	*06/04/25 07:00*	*06/07/25 18:12*	*1*
Nitrobenzene-d5 (Surr)	*83*		*22 - 150*	*06/04/25 07:00*	*06/07/25 18:12*	*1*
Phenol-d5 (Surr)	*87*		*10 - 150*	*06/04/25 07:00*	*06/07/25 18:12*	*1*
Terphenyl-d14 (Surr)	*51*		*28 - 150*	*06/04/25 07:00*	*06/07/25 18:12*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.100	0.0630	mg/L			06/03/25 20:06	1
Sulfate	**0.832**	**J**	1.00	0.390	mg/L			06/03/25 20:06	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	0.340	ug/L		06/05/25 13:28	06/06/25 14:47	1
Arsenic	**7.13**		3.00	0.860	ug/L		06/05/25 13:28	06/06/25 14:47	1
Barium	**714**		5.00	0.890	ug/L		06/05/25 13:28	06/06/25 14:47	1
Beryllium	ND		0.500	0.200	ug/L		06/05/25 13:28	06/06/25 14:47	1
Cadmium	ND		0.500	0.0780	ug/L		06/05/25 13:28	06/06/25 14:47	1
Chromium	**3.00**	**J**	5.00	1.20	ug/L		06/05/25 13:28	06/06/25 14:47	1
Cobalt	**2.18**		0.500	0.220	ug/L		06/05/25 13:28	06/06/25 14:47	1
Copper	**1.67**	**J**	5.00	1.08	ug/L		06/05/25 13:28	06/06/25 14:47	1
Lead	**3.38**		2.50	0.210	ug/L		06/05/25 13:28	06/06/25 14:47	1
Manganese	**1870**		5.00	2.20	ug/L		06/05/25 13:28	06/06/25 14:47	1
Nickel	**1.37**	**J**	5.00	0.420	ug/L		06/05/25 13:28	06/06/25 14:47	1
Selenium	ND		2.50	0.990	ug/L		06/05/25 13:28	06/06/25 14:47	1
Silver	ND		1.00	0.390	ug/L		06/05/25 13:28	06/06/25 14:47	1
Thallium	ND		1.00	0.260	ug/L		06/05/25 13:28	06/06/25 14:47	1
Vanadium	**2.06**	**J**	10.0	0.630	ug/L		06/05/25 13:28	06/06/25 14:47	1
Zinc	**24.8**	**B**	20.0	2.80	ug/L		06/05/25 13:28	06/06/25 14:47	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0800	ug/L		06/06/25 11:01	06/07/25 15:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**4.94**		0.100	0.0920	mg/L			06/12/25 11:47	2

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276939-1

Client Sample ID: DUP-2
Date Collected: 06/02/25 13:10
Date Received: 06/03/25 09:18

Lab Sample ID: 400-276939-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	25.0	10.0	ug/L			06/12/25 00:35	1
Benzene	ND		1.00	0.500	ug/L			06/12/25 00:35	1
Bromobenzene	ND		1.00	0.540	ug/L			06/12/25 00:35	1
Bromoform	ND		5.00	0.250	ug/L			06/12/25 00:35	1
Bromomethane	ND		1.00	0.980	ug/L			06/12/25 00:35	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/12/25 00:35	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/12/25 00:35	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/12/25 00:35	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/12/25 00:35	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/12/25 00:35	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/12/25 00:35	1
Chloroethane	ND		1.00	0.760	ug/L			06/12/25 00:35	1
Chloroform	ND		1.00	0.900	ug/L			06/12/25 00:35	1
Chloromethane	ND		1.00	0.400	ug/L			06/12/25 00:35	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/12/25 00:35	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/12/25 00:35	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/12/25 00:35	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/12/25 00:35	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/12/25 00:35	1
Dibromomethane	ND		5.00	0.220	ug/L			06/12/25 00:35	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/12/25 00:35	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/12/25 00:35	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/12/25 00:35	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/12/25 00:35	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/12/25 00:35	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/12/25 00:35	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/12/25 00:35	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/12/25 00:35	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/12/25 00:35	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/12/25 00:35	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/12/25 00:35	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/12/25 00:35	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/12/25 00:35	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/12/25 00:35	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/12/25 00:35	1
Hexane	ND		1.00	0.960	ug/L			06/12/25 00:35	1
2-Hexanone	ND		25.0	4.26	ug/L			06/12/25 00:35	1
Iodomethane	ND		1.00	0.900	ug/L			06/12/25 00:35	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/12/25 00:35	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/12/25 00:35	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/12/25 00:35	1
Methylene Chloride	ND	*+	5.00	3.00	ug/L			06/12/25 00:35	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/12/25 00:35	1
Methyl tert-butyl ether	**1.93**		1.00	0.220	ug/L			06/12/25 00:35	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/12/25 00:35	1
Naphthalene	ND		5.00	3.00	ug/L			06/12/25 00:35	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/12/25 00:35	1
n-Heptane	ND		1.00	0.210	ug/L			06/12/25 00:35	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/12/25 00:35	1

Client Sample ID: DUP-2
Date Collected: 06/02/25 13:10
Date Received: 06/03/25 09:18

Lab Sample ID: 400-276939-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.00	3.00	ug/L			06/12/25 00:35	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/12/25 00:35	1
Styrene	ND		1.00	1.00	ug/L			06/12/25 00:35	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/12/25 00:35	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/12/25 00:35	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/12/25 00:35	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/12/25 00:35	1
Toluene	ND		1.00	0.900	ug/L			06/12/25 00:35	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/12/25 00:35	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/12/25 00:35	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/12/25 00:35	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/12/25 00:35	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/12/25 00:35	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/12/25 00:35	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/12/25 00:35	1
Trichloroethene	ND		1.00	0.150	ug/L			06/12/25 00:35	1
Trichlorofluoromethane	ND	*+	1.00	0.250	ug/L			06/12/25 00:35	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/12/25 00:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/12/25 00:35	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/12/25 00:35	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/12/25 00:35	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/12/25 00:35	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/12/25 00:35	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/12/25 00:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*79*		*56 - 136*		*06/12/25 00:35*	*1*
Dibromofluoromethane	*119*		*79 - 130*		*06/12/25 00:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*59 - 146*		*06/12/25 00:35*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*06/12/25 00:35*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.322	0.322	ug/L		06/06/25 07:00	06/14/25 19:00	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*22*		*10 - 140*	*06/06/25 07:00*	*06/14/25 19:00*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.77	0.410	ug/L		06/04/25 07:00	06/07/25 18:44	1
2,4,5-Trichlorophenol	ND		9.77	0.528	ug/L		06/04/25 07:00	06/07/25 18:44	1
2,4,6-Trichlorophenol	ND		9.77	1.07	ug/L		06/04/25 07:00	06/07/25 18:44	1
2,4-Dichlorophenol	ND		9.77	0.557	ug/L		06/04/25 07:00	06/07/25 18:44	1
2,4-Dimethylphenol	ND		9.77	0.235	ug/L		06/04/25 07:00	06/07/25 18:44	1
2,4-Dinitrophenol	ND		29.3	4.57	ug/L		06/04/25 07:00	06/07/25 18:44	1
2,4-Dinitrotoluene	ND		9.77	0.635	ug/L		06/04/25 07:00	06/07/25 18:44	1
2,6-Dinitrotoluene	ND		9.77	0.283	ug/L		06/04/25 07:00	06/07/25 18:44	1
2-Chloronaphthalene	ND		9.77	0.371	ug/L		06/04/25 07:00	06/07/25 18:44	1
2-Chlorophenol	ND		9.77	0.821	ug/L		06/04/25 07:00	06/07/25 18:44	1
2-Methylnaphthalene	ND		9.77	0.792	ug/L		06/04/25 07:00	06/07/25 18:44	1

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276939-1

Client Sample ID: DUP-2
Date Collected: 06/02/25 13:10
Date Received: 06/03/25 09:18

Lab Sample ID: 400-276939-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		9.77	0.743	ug/L		06/04/25 07:00	06/07/25 18:44	1
2-Nitroaniline	ND		9.77	1.34	ug/L		06/04/25 07:00	06/07/25 18:44	1
2-Nitrophenol	ND		9.77	1.14	ug/L		06/04/25 07:00	06/07/25 18:44	1
3 & 4 Methylphenol	ND		19.5	4.50	ug/L		06/04/25 07:00	06/07/25 18:44	1
3,3'-Dichlorobenzidine	ND		10.7	0.401	ug/L		06/04/25 07:00	06/07/25 18:44	1
3-Nitroaniline	ND		9.77	0.928	ug/L		06/04/25 07:00	06/07/25 18:44	1
4,6-Dinitro-2-methylphenol	ND		9.77	1.93	ug/L		06/04/25 07:00	06/07/25 18:44	1
4-Bromophenyl phenyl ether	ND		9.77	0.127	ug/L		06/04/25 07:00	06/07/25 18:44	1
4-Chloro-3-methylphenol	ND		9.77	0.713	ug/L		06/04/25 07:00	06/07/25 18:44	1
4-Chloroaniline	ND		9.77	0.274	ug/L		06/04/25 07:00	06/07/25 18:44	1
4-Chlorophenyl phenyl ether	ND		9.77	0.235	ug/L		06/04/25 07:00	06/07/25 18:44	1
4-Nitroaniline	ND		9.77	3.42	ug/L		06/04/25 07:00	06/07/25 18:44	1
4-Nitrophenol	ND		9.77	2.68	ug/L		06/04/25 07:00	06/07/25 18:44	1
Acenaphthene	ND		9.77	0.616	ug/L		06/04/25 07:00	06/07/25 18:44	1
Acenaphthylene	ND		9.77	0.743	ug/L		06/04/25 07:00	06/07/25 18:44	1
Acetophenone	ND		9.77	3.13	ug/L		06/04/25 07:00	06/07/25 18:44	1
Anthracene	ND		9.77	0.889	ug/L		06/04/25 07:00	06/07/25 18:44	1
Atrazine	ND		9.77	1.10	ug/L		06/04/25 07:00	06/07/25 18:44	1
Benzaldehyde	ND		9.77	0.655	ug/L		06/04/25 07:00	06/07/25 18:44	1
Benzo[a]anthracene	ND		9.77	0.977	ug/L		06/04/25 07:00	06/07/25 18:44	1
Benzo[a]pyrene	ND		9.77	1.07	ug/L		06/04/25 07:00	06/07/25 18:44	1
Benzo[b]fluoranthene	ND		9.77	1.17	ug/L		06/04/25 07:00	06/07/25 18:44	1
Benzo[g,h,i]perylene	ND		9.77	1.47	ug/L		06/04/25 07:00	06/07/25 18:44	1
Benzo[k]fluoranthene	ND		9.77	1.47	ug/L		06/04/25 07:00	06/07/25 18:44	1
bis (2-chloroisopropyl) ether	ND		9.77	0.909	ug/L		06/04/25 07:00	06/07/25 18:44	1
Bis(2-chloroethoxy)methane	ND		9.77	0.332	ug/L		06/04/25 07:00	06/07/25 18:44	1
Bis(2-chloroethyl)ether	ND		9.77	0.713	ug/L		06/04/25 07:00	06/07/25 18:44	1
Bis(2-ethylhexyl) phthalate	ND		9.77	3.91	ug/L		06/04/25 07:00	06/07/25 18:44	1
Butyl benzyl phthalate	ND		9.77	3.91	ug/L		06/04/25 07:00	06/07/25 18:44	1
Caprolactam	ND		9.77	2.35	ug/L		06/04/25 07:00	06/07/25 18:44	1
Carbazole	ND		9.77	0.313	ug/L		06/04/25 07:00	06/07/25 18:44	1
Chrysene	ND		9.77	1.17	ug/L		06/04/25 07:00	06/07/25 18:44	1
Dibenz(a,h)anthracene	ND		9.77	1.27	ug/L		06/04/25 07:00	06/07/25 18:44	1
Dibenzofuran	ND		9.77	0.625	ug/L		06/04/25 07:00	06/07/25 18:44	1
Diethyl phthalate	ND		9.77	3.91	ug/L		06/04/25 07:00	06/07/25 18:44	1
Dimethyl phthalate	ND		9.77	3.91	ug/L		06/04/25 07:00	06/07/25 18:44	1
Di-n-butyl phthalate	ND		9.77	3.91	ug/L		06/04/25 07:00	06/07/25 18:44	1
Di-n-octyl phthalate	ND		9.77	3.91	ug/L		06/04/25 07:00	06/07/25 18:44	1
Fluoranthene	ND		9.77	0.616	ug/L		06/04/25 07:00	06/07/25 18:44	1
Fluorene	ND		9.77	0.655	ug/L		06/04/25 07:00	06/07/25 18:44	1
Hexachlorobenzene	ND		9.77	0.244	ug/L		06/04/25 07:00	06/07/25 18:44	1
Hexachlorobutadiene	ND		9.77	0.537	ug/L		06/04/25 07:00	06/07/25 18:44	1
Hexachlorocyclopentadiene	ND		19.5	0.313	ug/L		06/04/25 07:00	06/07/25 18:44	1
Hexachloroethane	ND		9.77	0.518	ug/L		06/04/25 07:00	06/07/25 18:44	1
Indeno[1,2,3-cd]pyrene	ND		9.77	1.07	ug/L		06/04/25 07:00	06/07/25 18:44	1
Isophorone	ND		9.77	0.782	ug/L		06/04/25 07:00	06/07/25 18:44	1
Naphthalene	ND		9.77	0.733	ug/L		06/04/25 07:00	06/07/25 18:44	1
Nitrobenzene	ND		9.77	0.586	ug/L		06/04/25 07:00	06/07/25 18:44	1
N-Nitrosodi-n-propylamine	ND		9.77	0.322	ug/L		06/04/25 07:00	06/07/25 18:44	1

Client Sample ID: DUP-2
Date Collected: 06/02/25 13:10
Date Received: 06/03/25 09:18

Lab Sample ID: 400-276939-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.77	0.186	ug/L		06/04/25 07:00	06/07/25 18:44	1
Pentachlorophenol	ND		9.77	2.74	ug/L		06/04/25 07:00	06/07/25 18:44	1
Phenanthrene	ND		9.77	0.723	ug/L		06/04/25 07:00	06/07/25 18:44	1
Phenol	ND		9.77	0.664	ug/L		06/04/25 07:00	06/07/25 18:44	1
Pyrene	ND		9.77	0.616	ug/L		06/04/25 07:00	06/07/25 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*10 - 150*	*06/04/25 07:00*	*06/07/25 18:44*	*1*
2-Fluorobiphenyl (Surr)	*76*		*25 - 139*	*06/04/25 07:00*	*06/07/25 18:44*	*1*
2-Fluorophenol (Surr)	*82*		*10 - 150*	*06/04/25 07:00*	*06/07/25 18:44*	*1*
Nitrobenzene-d5 (Surr)	*85*		*22 - 150*	*06/04/25 07:00*	*06/07/25 18:44*	*1*
Phenol-d5 (Surr)	*85*		*10 - 150*	*06/04/25 07:00*	*06/07/25 18:44*	*1*
Terphenyl-d14 (Surr)	*51*		*28 - 150*	*06/04/25 07:00*	*06/07/25 18:44*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.615**		0.100	0.0630	mg/L			06/03/25 20:32	1
Sulfate	**7.49**		1.00	0.390	mg/L			06/03/25 20:32	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	0.340	ug/L		06/05/25 13:28	06/06/25 14:50	1
Arsenic	ND		3.00	0.860	ug/L		06/05/25 13:28	06/06/25 14:50	1
Barium	**602**		5.00	0.890	ug/L		06/05/25 13:28	06/06/25 14:50	1
Beryllium	ND		0.500	0.200	ug/L		06/05/25 13:28	06/06/25 14:50	1
Cadmium	ND		0.500	0.0780	ug/L		06/05/25 13:28	06/06/25 14:50	1
Chromium	ND		5.00	1.20	ug/L		06/05/25 13:28	06/06/25 14:50	1
Cobalt	**1.93**		0.500	0.220	ug/L		06/05/25 13:28	06/06/25 14:50	1
Copper	**1.86**	**J**	5.00	1.08	ug/L		06/05/25 13:28	06/06/25 14:50	1
Lead	**0.885**	**J**	2.50	0.210	ug/L		06/05/25 13:28	06/06/25 14:50	1
Manganese	**304**		5.00	2.20	ug/L		06/05/25 13:28	06/06/25 14:50	1
Nickel	**4.59**	**J**	5.00	0.420	ug/L		06/05/25 13:28	06/06/25 14:50	1
Selenium	ND		2.50	0.990	ug/L		06/05/25 13:28	06/06/25 14:50	1
Silver	ND		1.00	0.390	ug/L		06/05/25 13:28	06/06/25 14:50	1
Thallium	ND		1.00	0.260	ug/L		06/05/25 13:28	06/06/25 14:50	1
Vanadium	**3.51**	**J**	10.0	0.630	ug/L		06/05/25 13:28	06/06/25 14:50	1
Zinc	**5.89**	**J B**	20.0	2.80	ug/L		06/05/25 13:28	06/06/25 14:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0800	ug/L		06/06/25 11:01	06/07/25 15:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		0.0500	0.0460	mg/L			06/11/25 13:51	1

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276939-1

Client Sample ID: TRIP BLANK
Date Collected: 06/02/25 00:00
Date Received: 06/03/25 09:18

Lab Sample ID: 400-276939-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	25.0	10.0	ug/L			06/12/25 01:03	1
Benzene	ND		1.00	0.500	ug/L			06/12/25 01:03	1
Bromobenzene	ND		1.00	0.540	ug/L			06/12/25 01:03	1
Bromoform	ND		5.00	0.250	ug/L			06/12/25 01:03	1
Bromomethane	ND		1.00	0.980	ug/L			06/12/25 01:03	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/12/25 01:03	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/12/25 01:03	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/12/25 01:03	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/12/25 01:03	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/12/25 01:03	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/12/25 01:03	1
Chloroethane	ND		1.00	0.760	ug/L			06/12/25 01:03	1
Chloroform	ND		1.00	0.900	ug/L			06/12/25 01:03	1
Chloromethane	ND		1.00	0.400	ug/L			06/12/25 01:03	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/12/25 01:03	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/12/25 01:03	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/12/25 01:03	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/12/25 01:03	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/12/25 01:03	1
Dibromomethane	ND		5.00	0.220	ug/L			06/12/25 01:03	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/12/25 01:03	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/12/25 01:03	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/12/25 01:03	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/12/25 01:03	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/12/25 01:03	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/12/25 01:03	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/12/25 01:03	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/12/25 01:03	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/12/25 01:03	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/12/25 01:03	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/12/25 01:03	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/12/25 01:03	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/12/25 01:03	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/12/25 01:03	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/12/25 01:03	1
Hexane	ND		1.00	0.960	ug/L			06/12/25 01:03	1
2-Hexanone	ND		25.0	4.26	ug/L			06/12/25 01:03	1
Iodomethane	ND		1.00	0.900	ug/L			06/12/25 01:03	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/12/25 01:03	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/12/25 01:03	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/12/25 01:03	1
Methylene Chloride	ND	*+	5.00	3.00	ug/L			06/12/25 01:03	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/12/25 01:03	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/12/25 01:03	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/12/25 01:03	1
Naphthalene	ND		5.00	3.00	ug/L			06/12/25 01:03	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/12/25 01:03	1
n-Heptane	ND		1.00	0.210	ug/L			06/12/25 01:03	1
N-Propylbenzene	ND		1.00	0.690	ug/L			06/12/25 01:03	1

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276939-1

Client Sample ID: TRIP BLANK
Date Collected: 06/02/25 00:00
Date Received: 06/03/25 09:18

Lab Sample ID: 400-276939-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.00	3.00	ug/L			06/12/25 01:03	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/12/25 01:03	1
Styrene	ND		1.00	1.00	ug/L			06/12/25 01:03	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/12/25 01:03	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/12/25 01:03	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/12/25 01:03	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/12/25 01:03	1
Toluene	ND		1.00	0.900	ug/L			06/12/25 01:03	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/12/25 01:03	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/12/25 01:03	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/12/25 01:03	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/12/25 01:03	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/12/25 01:03	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/12/25 01:03	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/12/25 01:03	1
Trichloroethene	ND		1.00	0.150	ug/L			06/12/25 01:03	1
Trichlorofluoromethane	ND	*+	1.00	0.250	ug/L			06/12/25 01:03	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/12/25 01:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/12/25 01:03	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/12/25 01:03	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/12/25 01:03	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/12/25 01:03	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/12/25 01:03	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/12/25 01:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*81*		*56 - 136*		*06/12/25 01:03*	*1*
Dibromofluoromethane	*119*		*79 - 130*		*06/12/25 01:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*59 - 146*		*06/12/25 01:03*	*1*
Toluene-d8 (Surr)	*89*		*64 - 132*		*06/12/25 01:03*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276939-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(59-146)	(64-132)
400-276939-1	MW-1	81	118	112	88
400-276939-2	MW-4	81	117	110	88
400-276939-3	MW-6	80	121	107	83
400-276939-4	DUP-2	79	119	112	88
400-276939-5	TRIP BLANK	81	119	113	89
LCS 400-712374/1002	Lab Control Sample	77	112	105	90
MB 400-712374/4	Method Blank	81	118	111	91

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(10-150)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
400-276939-1	MW-1	94	77	94	85	95	66
400-276939-2	MW-4	88	79	86	83	87	58
400-276939-3	MW-6	86	75	85	83	87	51
400-276939-4	DUP-2	80	76	82	85	85	51
LCS 400-711584/2-A	Lab Control Sample	87	75	89	79	100	70
LCSD 400-711584/3-A	Lab Control Sample Dup	102	77	105	87	110	72
MB 400-711584/1-A	Method Blank	90	83	95	81	90	73

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

GC/MS VOA

Analysis Batch: 712374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276939-1	MW-1	Total/NA	Water	8260D	
400-276939-2	MW-4	Total/NA	Water	8260D	
400-276939-3	MW-6	Total/NA	Water	8260D	
400-276939-4	DUP-2	Total/NA	Water	8260D	
400-276939-5	TRIP BLANK	Total/NA	Water	8260D	
MB 400-712374/4	Method Blank	Total/NA	Water	8260D	
LCS 400-712374/1002	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 711584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276939-1	MW-1	Total/NA	Water	3511	
400-276939-2	MW-4	Total/NA	Water	3511	
400-276939-3	MW-6	Total/NA	Water	3511	
400-276939-4	DUP-2	Total/NA	Water	3511	
MB 400-711584/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-711584/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-711584/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Prep Batch: 711916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276939-1	MW-1	Total/NA	Water	3510C	
400-276939-2	MW-4	Total/NA	Water	3510C	
400-276939-3	MW-6	Total/NA	Water	3510C	
400-276939-4	DUP-2	Total/NA	Water	3510C	
MB 400-711916/1-A	Method Blank	Total/NA	Water	3510C	
LCS 400-711916/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 400-711916/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 711974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276939-1	MW-1	Total/NA	Water	8270E	711584
400-276939-2	MW-4	Total/NA	Water	8270E	711584
400-276939-3	MW-6	Total/NA	Water	8270E	711584
400-276939-4	DUP-2	Total/NA	Water	8270E	711584
MB 400-711584/1-A	Method Blank	Total/NA	Water	8270E	711584
LCS 400-711584/2-A	Lab Control Sample	Total/NA	Water	8270E	711584
LCSD 400-711584/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	711584

Analysis Batch: 712788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276939-1	MW-1	Total/NA	Water	8270E SIM ID	711916
400-276939-2	MW-4	Total/NA	Water	8270E SIM ID	711916
400-276939-3	MW-6	Total/NA	Water	8270E SIM ID	711916
400-276939-4	DUP-2	Total/NA	Water	8270E SIM ID	711916
MB 400-711916/1-A	Method Blank	Total/NA	Water	8270E SIM ID	711916
LCS 400-711916/2-A	Lab Control Sample	Total/NA	Water	8270E SIM ID	711916
LCSD 400-711916/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM ID	711916

HPLC/IC

Analysis Batch: 711409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276939-1	MW-1	Total/NA	Water	9056A	
400-276939-2	MW-4	Total/NA	Water	9056A	
400-276939-3	MW-6	Total/NA	Water	9056A	
400-276939-4	DUP-2	Total/NA	Water	9056A	
MB 400-711409/5	Method Blank	Total/NA	Water	9056A	
LCS 400-711409/6	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-711409/7	Lab Control Sample Dup	Total/NA	Water	9056A	

Analysis Batch: 711411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276939-1	MW-1	Total/NA	Water	9056A	
400-276939-2	MW-4	Total/NA	Water	9056A	
400-276939-3	MW-6	Total/NA	Water	9056A	
400-276939-4	DUP-2	Total/NA	Water	9056A	
MB 400-711411/5	Method Blank	Total/NA	Water	9056A	
LCS 400-711411/6	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-711411/7	Lab Control Sample Dup	Total/NA	Water	9056A	

Metals

Prep Batch: 883280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276939-1	MW-1	Total Recoverable	Water	3005A	
400-276939-2	MW-4	Total Recoverable	Water	3005A	
400-276939-3	MW-6	Total Recoverable	Water	3005A	
400-276939-4	DUP-2	Total Recoverable	Water	3005A	
MB 680-883280/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-883280/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 883321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276939-1	MW-1	Total/NA	Water	7470A	
400-276939-2	MW-4	Total/NA	Water	7470A	
400-276939-3	MW-6	Total/NA	Water	7470A	
400-276939-4	DUP-2	Total/NA	Water	7470A	
MB 680-883321/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-883321/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 883345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276939-1	MW-1	Total/NA	Water	7470A	883321
400-276939-2	MW-4	Total/NA	Water	7470A	883321
400-276939-3	MW-6	Total/NA	Water	7470A	883321
400-276939-4	DUP-2	Total/NA	Water	7470A	883321
MB 680-883321/1-A	Method Blank	Total/NA	Water	7470A	883321
LCS 680-883321/2-A	Lab Control Sample	Total/NA	Water	7470A	883321

Analysis Batch: 883361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276939-1	MW-1	Total Recoverable	Water	6020B	883280
400-276939-2	MW-4	Total Recoverable	Water	6020B	883280

Metals (Continued)

Analysis Batch: 883361 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276939-3	MW-6	Total Recoverable	Water	6020B	883280
400-276939-4	DUP-2	Total Recoverable	Water	6020B	883280
MB 680-883280/1-A	Method Blank	Total Recoverable	Water	6020B	883280
LCS 680-883280/2-A	Lab Control Sample	Total Recoverable	Water	6020B	883280

General Chemistry

Analysis Batch: 712427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276939-1	MW-1	Total/NA	Water	350.1	
400-276939-2	MW-4	Total/NA	Water	350.1	
400-276939-4	DUP-2	Total/NA	Water	350.1	
MB 400-712427/86	Method Blank	Total/NA	Water	350.1	
LCS 400-712427/87	Lab Control Sample	Total/NA	Water	350.1	
MRL 400-712427/18	Lab Control Sample	Total/NA	Water	350.1	

Analysis Batch: 712585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-276939-3	MW-6	Total/NA	Water	350.1	
MB 400-712585/23	Method Blank	Total/NA	Water	350.1	
LCS 400-712585/24	Lab Control Sample	Total/NA	Water	350.1	
MRL 400-712585/18	Lab Control Sample	Total/NA	Water	350.1	

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-712374/4
Matrix: Water
Analysis Batch: 712374

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0	10.0	ug/L			06/11/25 14:32	1
Benzene	ND		1.00	0.500	ug/L			06/11/25 14:32	1
Bromobenzene	ND		1.00	0.540	ug/L			06/11/25 14:32	1
Bromoform	ND		5.00	0.250	ug/L			06/11/25 14:32	1
Bromomethane	ND		1.00	0.980	ug/L			06/11/25 14:32	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			06/11/25 14:32	1
Carbon disulfide	ND		1.00	0.500	ug/L			06/11/25 14:32	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			06/11/25 14:32	1
Chlorobenzene	ND		1.00	0.420	ug/L			06/11/25 14:32	1
Chlorobromomethane	ND		1.00	0.520	ug/L			06/11/25 14:32	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			06/11/25 14:32	1
Chloroethane	ND		1.00	0.760	ug/L			06/11/25 14:32	1
Chloroform	ND		1.00	0.900	ug/L			06/11/25 14:32	1
Chloromethane	ND		1.00	0.400	ug/L			06/11/25 14:32	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			06/11/25 14:32	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			06/11/25 14:32	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			06/11/25 14:32	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			06/11/25 14:32	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			06/11/25 14:32	1
Dibromomethane	ND		5.00	0.220	ug/L			06/11/25 14:32	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			06/11/25 14:32	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			06/11/25 14:32	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			06/11/25 14:32	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			06/11/25 14:32	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			06/11/25 14:32	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			06/11/25 14:32	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			06/11/25 14:32	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			06/11/25 14:32	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			06/11/25 14:32	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			06/11/25 14:32	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			06/11/25 14:32	1
Ethyl acetate	ND		10.0	6.14	ug/L			06/11/25 14:32	1
Ethylbenzene	ND		1.00	0.500	ug/L			06/11/25 14:32	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			06/11/25 14:32	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			06/11/25 14:32	1
Hexane	ND		1.00	0.960	ug/L			06/11/25 14:32	1
2-Hexanone	ND		25.0	4.26	ug/L			06/11/25 14:32	1
Iodomethane	ND		1.00	0.900	ug/L			06/11/25 14:32	1
Isopropylbenzene	ND		1.00	0.530	ug/L			06/11/25 14:32	1
Isopropyl ether	ND		1.00	0.740	ug/L			06/11/25 14:32	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			06/11/25 14:32	1
Methylene Chloride	ND		5.00	3.00	ug/L			06/11/25 14:32	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			06/11/25 14:32	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			06/11/25 14:32	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			06/11/25 14:32	1
Naphthalene	ND		5.00	3.00	ug/L			06/11/25 14:32	1
n-Butylbenzene	ND		1.00	0.760	ug/L			06/11/25 14:32	1
n-Heptane	ND		1.00	0.210	ug/L			06/11/25 14:32	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-712374/4
Matrix: Water
Analysis Batch: 712374

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		1.00	0.690	ug/L			06/11/25 14:32	1
o-Xylene	ND		5.00	3.00	ug/L			06/11/25 14:32	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			06/11/25 14:32	1
Styrene	ND		1.00	1.00	ug/L			06/11/25 14:32	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			06/11/25 14:32	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			06/11/25 14:32	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			06/11/25 14:32	1
Tetrachloroethene	ND		1.00	0.330	ug/L			06/11/25 14:32	1
Toluene	ND		1.00	0.900	ug/L			06/11/25 14:32	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			06/11/25 14:32	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			06/11/25 14:32	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			06/11/25 14:32	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			06/11/25 14:32	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			06/11/25 14:32	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			06/11/25 14:32	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			06/11/25 14:32	1
Trichloroethene	ND		1.00	0.150	ug/L			06/11/25 14:32	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			06/11/25 14:32	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			06/11/25 14:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			06/11/25 14:32	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			06/11/25 14:32	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			06/11/25 14:32	1
Vinyl acetate	ND		25.0	0.930	ug/L			06/11/25 14:32	1
Vinyl chloride	ND		1.00	0.500	ug/L			06/11/25 14:32	1
Xylenes, Total	ND		10.0	6.00	ug/L			06/11/25 14:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*81*		*56 - 136*		*06/11/25 14:32*	*1*
Dibromofluoromethane	*118*		*79 - 130*		*06/11/25 14:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*59 - 146*		*06/11/25 14:32*	*1*
Toluene-d8 (Surr)	*91*		*64 - 132*		*06/11/25 14:32*	*1*

Lab Sample ID: LCS 400-712374/1002
Matrix: Water
Analysis Batch: 712374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	327.5	*+	ug/L		164	43 - 150
Benzene	50.0	46.43		ug/L		93	70 - 130
Bromobenzene	50.0	54.91		ug/L		110	70 - 132
Bromoform	50.0	51.17		ug/L		102	57 - 140
Bromomethane	50.0	54.26		ug/L		109	10 - 150
2-Butanone (MEK)	200	201.3		ug/L		101	61 - 145
Carbon disulfide	50.0	46.58		ug/L		93	61 - 137
Carbon tetrachloride	50.0	55.64		ug/L		111	61 - 137
Chlorobenzene	50.0	50.70		ug/L		101	70 - 130
Chlorobromomethane	50.0	57.95		ug/L		116	70 - 130
Chlorodibromomethane	50.0	53.63		ug/L		107	67 - 135

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-712374/1002
Matrix: Water
Analysis Batch: 712374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroethane	50.0	55.57		ug/L		111	55 - 141
Chloroform	50.0	50.73		ug/L		101	69 - 130
Chloromethane	50.0	42.39		ug/L		85	58 - 137
2-Chlorotoluene	50.0	39.65		ug/L		79	70 - 130
4-Chlorotoluene	50.0	42.54		ug/L		85	70 - 130
cis-1,2-Dichloroethene	50.0	50.57		ug/L		101	68 - 130
cis-1,3-Dichloropropene	50.0	48.97		ug/L		98	69 - 132
1,2-Dibromo-3-Chloropropane	50.0	51.35		ug/L		103	54 - 135
Dibromomethane	50.0	51.02		ug/L		102	70 - 130
1,2-Dichlorobenzene	50.0	53.18		ug/L		106	67 - 130
1,3-Dichlorobenzene	50.0	52.82		ug/L		106	70 - 130
1,4-Dichlorobenzene	50.0	53.07		ug/L		106	70 - 130
Dichlorobromomethane	50.0	51.48		ug/L		103	67 - 133
1,1-Dichloroethane	50.0	49.91		ug/L		100	70 - 130
1,2-Dichloroethane	50.0	51.71		ug/L		103	69 - 130
1,1-Dichloroethene	50.0	51.45		ug/L		103	63 - 134
1,2-Dichloropropane	50.0	50.99		ug/L		102	70 - 130
1,3-Dichloropropane	50.0	45.06		ug/L		90	70 - 130
2,2-Dichloropropane	50.0	45.92		ug/L		92	52 - 135
1,1-Dichloropropene	50.0	45.94		ug/L		92	70 - 130
Ethyl acetate	100	92.39		ug/L		92	34 - 150
Ethylbenzene	50.0	46.50		ug/L		93	70 - 130
Ethylene Dibromide	50.0	51.11		ug/L		102	70 - 130
Hexachlorobutadiene	50.0	67.52		ug/L		135	53 - 140
Hexane	50.0	44.32		ug/L		89	69 - 130
2-Hexanone	200	180.8		ug/L		90	65 - 137
Iodomethane	50.0	51.65		ug/L		103	27 - 150
Isopropylbenzene	50.0	50.96		ug/L		102	70 - 130
Isopropyl ether	20.0	21.48		ug/L		107	64 - 132
4-Isopropyltoluene	50.0	48.02		ug/L		96	65 - 130
Methylene Chloride	50.0	77.32	*+	ug/L		155	66 - 135
4-Methyl-2-pentanone (MIBK)	200	189.6		ug/L		95	69 - 138
Methyl tert-butyl ether	50.0	47.43		ug/L		95	66 - 130
m-Xylene & p-Xylene	50.0	46.69		ug/L		93	70 - 130
Naphthalene	50.0	47.85		ug/L		96	47 - 149
n-Butylbenzene	50.0	40.43		ug/L		81	67 - 130
n-Heptane	50.0	40.38		ug/L		81	70 - 130
N-Propylbenzene	50.0	47.91		ug/L		96	70 - 130
o-Xylene	50.0	47.03		ug/L		94	70 - 130
sec-Butylbenzene	50.0	46.21		ug/L		92	66 - 130
Styrene	50.0	51.32		ug/L		103	70 - 130
tert-Butylbenzene	50.0	41.36		ug/L		83	64 - 139
1,1,1,2-Tetrachloroethane	50.0	55.46		ug/L		111	67 - 131
1,1,2,2-Tetrachloroethane	50.0	39.16		ug/L		78	70 - 131
Tetrachloroethene	50.0	55.14		ug/L		110	65 - 130
Toluene	50.0	44.31		ug/L		89	70 - 130
trans-1,4-Dichloro-2-butene	50.0	39.85		ug/L		80	57 - 140
trans-1,2-Dichloroethene	50.0	46.91		ug/L		94	70 - 130
trans-1,3-Dichloropropene	50.0	45.28		ug/L		91	63 - 130

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-712374/1002
Matrix: Water
Analysis Batch: 712374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichlorobenzene	50.0	60.07		ug/L		120	60 - 138
1,2,4-Trichlorobenzene	50.0	61.07		ug/L		122	60 - 140
1,1,1-Trichloroethane	50.0	50.39		ug/L		101	68 - 130
1,1,2-Trichloroethane	50.0	45.76		ug/L		92	70 - 130
Trichloroethene	50.0	57.90		ug/L		116	70 - 130
Trichlorofluoromethane	50.0	69.97	*+	ug/L		140	65 - 138
1,2,3-Trichloropropane	50.0	44.30		ug/L		89	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	56.53		ug/L		113	60 - 139
1,2,4-Trimethylbenzene	50.0	45.19		ug/L		90	70 - 130
1,3,5-Trimethylbenzene	50.0	45.15		ug/L		90	69 - 130
Vinyl acetate	100	97.56		ug/L		98	26 - 150
Vinyl chloride	50.0	51.21		ug/L		102	59 - 136
Xylenes, Total	100	93.73		ug/L		94	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*77*		*56 - 136*
Dibromofluoromethane	*112*		*79 - 130*
1,2-Dichloroethane-d4 (Surr)	*105*		*59 - 146*
Toluene-d8 (Surr)	*90*		*64 - 132*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 400-711584/1-A
Matrix: Water
Analysis Batch: 711974

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711584

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.0	0.420	ug/L		06/04/25 07:00	06/07/25 15:34	1
2,4,5-Trichlorophenol	ND		10.0	0.540	ug/L		06/04/25 07:00	06/07/25 15:34	1
2,4,6-Trichlorophenol	ND		10.0	1.09	ug/L		06/04/25 07:00	06/07/25 15:34	1
2,4-Dichlorophenol	ND		10.0	0.570	ug/L		06/04/25 07:00	06/07/25 15:34	1
2,4-Dimethylphenol	ND		10.0	0.240	ug/L		06/04/25 07:00	06/07/25 15:34	1
2,4-Dinitrophenol	ND		30.0	4.68	ug/L		06/04/25 07:00	06/07/25 15:34	1
2,4-Dinitrotoluene	ND		10.0	0.650	ug/L		06/04/25 07:00	06/07/25 15:34	1
2,6-Dinitrotoluene	ND		10.0	0.290	ug/L		06/04/25 07:00	06/07/25 15:34	1
2-Chloronaphthalene	ND		10.0	0.380	ug/L		06/04/25 07:00	06/07/25 15:34	1
2-Chlorophenol	ND		10.0	0.840	ug/L		06/04/25 07:00	06/07/25 15:34	1
2-Methylnaphthalene	ND		10.0	0.810	ug/L		06/04/25 07:00	06/07/25 15:34	1
2-Methylphenol	ND		10.0	0.760	ug/L		06/04/25 07:00	06/07/25 15:34	1
2-Nitroaniline	ND		10.0	1.37	ug/L		06/04/25 07:00	06/07/25 15:34	1
2-Nitrophenol	ND		10.0	1.17	ug/L		06/04/25 07:00	06/07/25 15:34	1
3 & 4 Methylphenol	ND		20.0	4.60	ug/L		06/04/25 07:00	06/07/25 15:34	1
3,3'-Dichlorobenzidine	ND		11.0	0.410	ug/L		06/04/25 07:00	06/07/25 15:34	1
3-Nitroaniline	ND		10.0	0.950	ug/L		06/04/25 07:00	06/07/25 15:34	1
4,6-Dinitro-2-methylphenol	ND		10.0	1.97	ug/L		06/04/25 07:00	06/07/25 15:34	1
4-Bromophenyl phenyl ether	ND		10.0	0.130	ug/L		06/04/25 07:00	06/07/25 15:34	1
4-Chloro-3-methylphenol	ND		10.0	0.730	ug/L		06/04/25 07:00	06/07/25 15:34	1
4-Chloroaniline	ND		10.0	0.280	ug/L		06/04/25 07:00	06/07/25 15:34	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-711584/1-A
Matrix: Water
Analysis Batch: 711974

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711584

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		10.0	0.240	ug/L		06/04/25 07:00	06/07/25 15:34	1
4-Nitroaniline	ND		10.0	3.50	ug/L		06/04/25 07:00	06/07/25 15:34	1
4-Nitrophenol	ND		10.0	2.74	ug/L		06/04/25 07:00	06/07/25 15:34	1
Acenaphthene	ND		10.0	0.630	ug/L		06/04/25 07:00	06/07/25 15:34	1
Acenaphthylene	ND		10.0	0.760	ug/L		06/04/25 07:00	06/07/25 15:34	1
Acetophenone	ND		10.0	3.20	ug/L		06/04/25 07:00	06/07/25 15:34	1
Anthracene	ND		10.0	0.910	ug/L		06/04/25 07:00	06/07/25 15:34	1
Atrazine	ND		10.0	1.13	ug/L		06/04/25 07:00	06/07/25 15:34	1
Benzaldehyde	ND		10.0	0.670	ug/L		06/04/25 07:00	06/07/25 15:34	1
Benzo[a]anthracene	ND		10.0	1.00	ug/L		06/04/25 07:00	06/07/25 15:34	1
Benzo[a]pyrene	ND		10.0	1.10	ug/L		06/04/25 07:00	06/07/25 15:34	1
Benzo[b]fluoranthene	ND		10.0	1.20	ug/L		06/04/25 07:00	06/07/25 15:34	1
Benzo[g,h,i]perylene	ND		10.0	1.50	ug/L		06/04/25 07:00	06/07/25 15:34	1
Benzo[k]fluoranthene	ND		10.0	1.50	ug/L		06/04/25 07:00	06/07/25 15:34	1
bis (2-chloroisopropyl) ether	ND		10.0	0.930	ug/L		06/04/25 07:00	06/07/25 15:34	1
Bis(2-chloroethoxy)methane	ND		10.0	0.340	ug/L		06/04/25 07:00	06/07/25 15:34	1
Bis(2-chloroethyl)ether	ND		10.0	0.730	ug/L		06/04/25 07:00	06/07/25 15:34	1
Bis(2-ethylhexyl) phthalate	ND		10.0	4.00	ug/L		06/04/25 07:00	06/07/25 15:34	1
Butyl benzyl phthalate	ND		10.0	4.00	ug/L		06/04/25 07:00	06/07/25 15:34	1
Caprolactam	ND		10.0	2.40	ug/L		06/04/25 07:00	06/07/25 15:34	1
Carbazole	ND		10.0	0.320	ug/L		06/04/25 07:00	06/07/25 15:34	1
Chrysene	ND		10.0	1.20	ug/L		06/04/25 07:00	06/07/25 15:34	1
Dibenz(a,h)anthracene	ND		10.0	1.30	ug/L		06/04/25 07:00	06/07/25 15:34	1
Dibenzofuran	ND		10.0	0.640	ug/L		06/04/25 07:00	06/07/25 15:34	1
Diethyl phthalate	ND		10.0	4.00	ug/L		06/04/25 07:00	06/07/25 15:34	1
Dimethyl phthalate	ND		10.0	4.00	ug/L		06/04/25 07:00	06/07/25 15:34	1
Di-n-butyl phthalate	ND		10.0	4.00	ug/L		06/04/25 07:00	06/07/25 15:34	1
Di-n-octyl phthalate	ND		10.0	4.00	ug/L		06/04/25 07:00	06/07/25 15:34	1
Fluoranthene	ND		10.0	0.630	ug/L		06/04/25 07:00	06/07/25 15:34	1
Fluorene	ND		10.0	0.670	ug/L		06/04/25 07:00	06/07/25 15:34	1
Hexachlorobenzene	ND		10.0	0.250	ug/L		06/04/25 07:00	06/07/25 15:34	1
Hexachlorobutadiene	ND		10.0	0.550	ug/L		06/04/25 07:00	06/07/25 15:34	1
Hexachlorocyclopentadiene	ND		20.0	0.320	ug/L		06/04/25 07:00	06/07/25 15:34	1
Hexachloroethane	ND		10.0	0.530	ug/L		06/04/25 07:00	06/07/25 15:34	1
Indeno[1,2,3-cd]pyrene	ND		10.0	1.10	ug/L		06/04/25 07:00	06/07/25 15:34	1
Isophorone	ND		10.0	0.800	ug/L		06/04/25 07:00	06/07/25 15:34	1
Naphthalene	ND		10.0	0.750	ug/L		06/04/25 07:00	06/07/25 15:34	1
Nitrobenzene	ND		10.0	0.600	ug/L		06/04/25 07:00	06/07/25 15:34	1
N-Nitrosodi-n-propylamine	ND		10.0	0.330	ug/L		06/04/25 07:00	06/07/25 15:34	1
N-Nitrosodiphenylamine	ND		10.0	0.190	ug/L		06/04/25 07:00	06/07/25 15:34	1
Pentachlorophenol	ND		10.0	2.80	ug/L		06/04/25 07:00	06/07/25 15:34	1
Phenanthrene	ND		10.0	0.740	ug/L		06/04/25 07:00	06/07/25 15:34	1
Phenol	ND		10.0	0.680	ug/L		06/04/25 07:00	06/07/25 15:34	1
Pyrene	ND		10.0	0.630	ug/L		06/04/25 07:00	06/07/25 15:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*10 - 150*	*06/04/25 07:00*	*06/07/25 15:34*	*1*
2-Fluorobiphenyl (Surr)	*83*		*25 - 139*	*06/04/25 07:00*	*06/07/25 15:34*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-711584/1-A
Matrix: Water
Analysis Batch: 711974

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711584

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	95		10 - 150	06/04/25 07:00	06/07/25 15:34	1
Nitrobenzene-d5 (Surr)	81		22 - 150	06/04/25 07:00	06/07/25 15:34	1
Phenol-d5 (Surr)	90		10 - 150	06/04/25 07:00	06/07/25 15:34	1
Terphenyl-d14 (Surr)	73		28 - 150	06/04/25 07:00	06/07/25 15:34	1

Lab Sample ID: LCS 400-711584/2-A
Matrix: Water
Analysis Batch: 711974

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711584

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	50.0	33.63		ug/L		67	27 - 120
2,4,5-Trichlorophenol	50.0	45.90		ug/L		92	27 - 136
2,4,6-Trichlorophenol	50.0	49.13		ug/L		98	21 - 132
2,4-Dichlorophenol	50.0	44.80		ug/L		90	30 - 125
2,4-Dimethylphenol	50.0	39.21		ug/L		78	10 - 142
2,4-Dinitrophenol	100	73.81		ug/L		74	10 - 150
2,4-Dinitrotoluene	50.0	47.93		ug/L		96	30 - 129
2,6-Dinitrotoluene	50.0	48.04		ug/L		96	34 - 132
2-Chloronaphthalene	50.0	34.81		ug/L		70	10 - 150
2-Chlorophenol	50.0	47.16		ug/L		94	28 - 127
2-Methylnaphthalene	50.0	33.91		ug/L		68	24 - 110
2-Methylphenol	50.0	44.15		ug/L		88	11 - 121
2-Nitroaniline	50.0	55.28		ug/L		111	31 - 141
2-Nitrophenol	50.0	51.44		ug/L		103	31 - 142
3 & 4 Methylphenol	50.0	47.50		ug/L		95	10 - 150
3,3'-Dichlorobenzidine	66.7	46.36		ug/L		70	10 - 150
3-Nitroaniline	50.0	48.13		ug/L		96	33 - 136
4,6-Dinitro-2-methylphenol	100	85.02		ug/L		85	10 - 150
4-Bromophenyl phenyl ether	50.0	37.98		ug/L		76	24 - 120
4-Chloro-3-methylphenol	50.0	47.93		ug/L		96	10 - 137
4-Chloroaniline	50.0	47.35		ug/L		95	10 - 150
4-Chlorophenyl phenyl ether	50.0	40.12		ug/L		80	31 - 110
4-Nitroaniline	50.0	46.52		ug/L		93	37 - 139
4-Nitrophenol	100	133.8	E	ug/L		134	10 - 150
Acenaphthene	50.0	36.38		ug/L		73	29 - 110
Acenaphthylene	50.0	38.01		ug/L		76	30 - 112
Acetophenone	50.0	41.56		ug/L		83	27 - 119
Anthracene	50.0	40.87		ug/L		82	31 - 120
Atrazine	50.0	47.28		ug/L		95	10 - 150
Benzaldehyde	50.0	37.77		ug/L		76	10 - 150
Benzo[a]anthracene	50.0	42.55		ug/L		85	36 - 118
Benzo[a]pyrene	50.0	40.68		ug/L		81	29 - 120
Benzo[b]fluoranthene	50.0	40.17		ug/L		80	32 - 119
Benzo[g,h,i]perylene	50.0	37.88		ug/L		76	28 - 115
Benzo[k]fluoranthene	50.0	41.31		ug/L		83	30 - 118
bis (2-chloroisopropyl) ether	50.0	39.58		ug/L		79	32 - 115
Bis(2-chloroethoxy)methane	50.0	42.36		ug/L		85	34 - 120
Bis(2-chloroethyl)ether	50.0	41.81		ug/L		84	32 - 114

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-711584/2-A
Matrix: Water
Analysis Batch: 711974

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711584

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Bis(2-ethylhexyl) phthalate			50.0	39.80		ug/L		80	24 - 133		
Butyl benzyl phthalate			50.0	30.16		ug/L		60	24 - 140		
Caprolactam			50.0	34.99		ug/L		70	10 - 150		
Carbazole			50.0	42.49		ug/L		85	28 - 123		
Chrysene			50.0	42.24		ug/L		84	34 - 113		
Dibenz(a,h)anthracene			50.0	39.17		ug/L		78	29 - 117		
Dibenzofuran			50.0	39.85		ug/L		80	35 - 110		
Diethyl phthalate			50.0	29.14		ug/L		58	31 - 118		
Dimethyl phthalate			50.0	30.00		ug/L		60	24 - 125		
Di-n-butyl phthalate			50.0	31.95		ug/L		64	30 - 127		
Di-n-octyl phthalate			50.0	38.36		ug/L		77	28 - 142		
Fluoranthene			50.0	42.80		ug/L		86	30 - 124		
Fluorene			50.0	38.59		ug/L		77	30 - 118		
Hexachlorobenzene			50.0	38.97		ug/L		78	29 - 113		
Hexachlorobutadiene			50.0	29.24		ug/L		58	10 - 117		
Hexachlorocyclopentadiene			50.0	21.72		ug/L		43	10 - 150		
Hexachloroethane			50.0	27.33		ug/L		55	10 - 112		
Indeno[1,2,3-cd]pyrene			50.0	37.76		ug/L		76	28 - 115		
Isophorone			50.0	40.42		ug/L		81	29 - 125		
Naphthalene			50.0	36.86		ug/L		74	27 - 110		
Nitrobenzene			50.0	42.26		ug/L		85	29 - 129		
N-Nitrosodi-n-propylamine			50.0	41.87		ug/L		84	53 - 134		
N-Nitrosodiphenylamine			49.6	46.20		ug/L		93	62 - 132		
Pentachlorophenol			100	95.09		ug/L		95	14 - 150		
Phenanthrene			50.0	39.01		ug/L		78	32 - 115		
Phenol			50.0	57.01		ug/L		114	10 - 150		
Pyrene			50.0	43.82		ug/L		88	30 - 126		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*87*		*10 - 150*
2-Fluorobiphenyl (Surr)	*75*		*25 - 139*
2-Fluorophenol (Surr)	*89*		*10 - 150*
Nitrobenzene-d5 (Surr)	*79*		*22 - 150*
Phenol-d5 (Surr)	*100*		*10 - 150*
Terphenyl-d14 (Surr)	*70*		*28 - 150*

Lab Sample ID: LCSD 400-711584/3-A
Matrix: Water
Analysis Batch: 711974

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 711584

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl			50.0	33.77		ug/L		68	27 - 120	0	40
2,4,5-Trichlorophenol			50.0	47.12		ug/L		94	27 - 136	3	40
2,4,6-Trichlorophenol			50.0	50.30		ug/L		101	21 - 132	2	40
2,4-Dichlorophenol			50.0	47.34		ug/L		95	30 - 125	6	40
2,4-Dimethylphenol			50.0	40.76		ug/L		82	10 - 142	4	40
2,4-Dinitrophenol			100	78.11		ug/L		78	10 - 150	6	40
2,4-Dinitrotoluene			50.0	48.93		ug/L		98	30 - 129	2	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-711584/3-A
Matrix: Water
Analysis Batch: 711974

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 711584

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,6-Dinitrotoluene			50.0	49.04		ug/L		98	34 - 132	2	40
2-Chloronaphthalene			50.0	34.33		ug/L		69	10 - 150	1	40
2-Chlorophenol			50.0	51.18		ug/L		102	28 - 127	8	40
2-Methylnaphthalene			50.0	32.83		ug/L		66	24 - 110	3	40
2-Methylphenol			50.0	49.08		ug/L		98	11 - 121	11	40
2-Nitroaniline			50.0	57.20		ug/L		114	31 - 141	3	40
2-Nitrophenol			50.0	53.64		ug/L		107	31 - 142	4	40
3 & 4 Methylphenol			50.0	52.58		ug/L		105	10 - 150	10	40
3,3'-Dichlorobenzidine			66.7	49.56		ug/L		74	10 - 150	7	40
3-Nitroaniline			50.0	48.45		ug/L		97	33 - 136	1	40
4,6-Dinitro-2-methylphenol			100	87.18		ug/L		87	10 - 150	3	40
4-Bromophenyl phenyl ether			50.0	40.14		ug/L		80	24 - 120	6	40
4-Chloro-3-methylphenol			50.0	49.07		ug/L		98	10 - 137	2	40
4-Chloroaniline			50.0	47.27		ug/L		95	10 - 150	0	40
4-Chlorophenyl phenyl ether			50.0	40.38		ug/L		81	31 - 110	1	40
4-Nitroaniline			50.0	47.80		ug/L		96	37 - 139	3	40
4-Nitrophenol			100	132.6		ug/L		133	10 - 150	1	40
Acenaphthene			50.0	36.90		ug/L		74	29 - 110	1	40
Acenaphthylene			50.0	38.83		ug/L		78	30 - 112	2	40
Acetophenone			50.0	45.05		ug/L		90	27 - 119	8	40
Anthracene			50.0	43.23		ug/L		86	31 - 120	6	40
Atrazine			50.0	46.98		ug/L		94	10 - 150	1	40
Benzaldehyde			50.0	40.87		ug/L		82	10 - 150	8	40
Benzo[a]anthracene			50.0	44.01		ug/L		88	36 - 118	3	40
Benzo[a]pyrene			50.0	44.60		ug/L		89	29 - 120	9	40
Benzo[b]fluoranthene			50.0	43.73		ug/L		87	32 - 119	8	40
Benzo[g,h,i]perylene			50.0	41.63		ug/L		83	28 - 115	9	40
Benzo[k]fluoranthene			50.0	44.97		ug/L		90	30 - 118	8	40
bis (2-chloroisopropyl) ether			50.0	42.91		ug/L		86	32 - 115	8	40
Bis(2-chloroethoxy)methane			50.0	42.69		ug/L		85	34 - 120	1	40
Bis(2-chloroethyl)ether			50.0	45.08		ug/L		90	32 - 114	8	40
Bis(2-ethylhexyl) phthalate			50.0	40.93		ug/L		82	24 - 133	3	40
Butyl benzyl phthalate			50.0	33.19		ug/L		66	24 - 140	10	40
Caprolactam			50.0	33.83		ug/L		68	10 - 150	3	40
Carbazole			50.0	44.35		ug/L		89	28 - 123	4	40
Chrysene			50.0	43.63		ug/L		87	34 - 113	3	40
Dibenz(a,h)anthracene			50.0	43.10		ug/L		86	29 - 117	10	40
Dibenzofuran			50.0	39.91		ug/L		80	35 - 110	0	40
Diethyl phthalate			50.0	30.71		ug/L		61	31 - 118	5	40
Dimethyl phthalate			50.0	31.00		ug/L		62	24 - 125	3	40
Di-n-butyl phthalate			50.0	35.08		ug/L		70	30 - 127	9	40
Di-n-octyl phthalate			50.0	39.26		ug/L		79	28 - 142	2	40
Fluoranthene			50.0	44.32		ug/L		89	30 - 124	4	40
Fluorene			50.0	39.64		ug/L		79	30 - 118	3	40
Hexachlorobenzene			50.0	41.11		ug/L		82	29 - 113	5	40
Hexachlorobutadiene			50.0	26.75		ug/L		54	10 - 117	9	40
Hexachlorocyclopentadiene			50.0	20.26		ug/L		41	10 - 150	7	40
Hexachloroethane			50.0	27.54		ug/L		55	10 - 112	1	40
Indeno[1,2,3-cd]pyrene			50.0	41.77		ug/L		84	28 - 115	10	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 400-711584/3-A
Matrix: Water
Analysis Batch: 711974

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 711584

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Isophorone			50.0	44.19		ug/L		88	29 - 125	9	40
Naphthalene			50.0	35.92		ug/L		72	27 - 110	3	40
Nitrobenzene			50.0	46.64		ug/L		93	29 - 129	10	40
N-Nitrosodi-n-propylamine			50.0	46.67		ug/L		93	53 - 134	11	40
N-Nitrosodiphenylamine			49.6	46.48		ug/L		94	62 - 132	1	40
Pentachlorophenol			100	102.5		ug/L		102	14 - 150	7	40
Phenanthrene			50.0	41.17		ug/L		82	32 - 115	5	40
Phenol			50.0	58.47		ug/L		117	10 - 150	3	40
Pyrene			50.0	45.53		ug/L		91	30 - 126	4	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*102*		*10 - 150*
2-Fluorobiphenyl (Surr)	*77*		*25 - 139*
2-Fluorophenol (Surr)	*105*		*10 - 150*
Nitrobenzene-d5 (Surr)	*87*		*22 - 150*
Phenol-d5 (Surr)	*110*		*10 - 150*
Terphenyl-d14 (Surr)	*72*		*28 - 150*

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 400-711916/1-A
Matrix: Water
Analysis Batch: 712788

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711916

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.300	0.300	ug/L		06/06/25 07:00	06/14/25 12:14	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*19*		*10 - 140*	*06/06/25 07:00*	*06/14/25 12:14*	*1*

Lab Sample ID: LCS 400-711916/2-A
Matrix: Water
Analysis Batch: 712788

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711916

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane			16.0	17.64		ug/L		110	30 - 150

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*19*		*10 - 140*

Lab Sample ID: LCSD 400-711916/3-A
Matrix: Water
Analysis Batch: 712788

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 711916

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			16.0	17.87		ug/L		112	30 - 150	1	

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,4-Dioxane-d8	*19*		*10 - 140*

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 400-711409/5
Matrix: Water
Analysis Batch: 711409

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.100	0.0630	mg/L			06/03/25 18:49	1

Lab Sample ID: LCS 400-711409/6
Matrix: Water
Analysis Batch: 711409

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N			2.26	2.272		mg/L		101	90 - 110		

Lab Sample ID: LCSD 400-711409/7
Matrix: Water
Analysis Batch: 711409

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N			2.26	2.293		mg/L		101	90 - 110	1	15

Lab Sample ID: MB 400-711411/5
Matrix: Water
Analysis Batch: 711411

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		1.00	0.390	mg/L			06/03/25 18:49	1

Lab Sample ID: LCS 400-711411/6
Matrix: Water
Analysis Batch: 711411

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			10.0	10.38		mg/L		104	90 - 110		

Lab Sample ID: LCSD 400-711411/7
Matrix: Water
Analysis Batch: 711411

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate			10.0	10.57		mg/L		106	90 - 110	2	15

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-883280/1-A
Matrix: Water
Analysis Batch: 883361

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 883280

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	0.340	ug/L		06/05/25 13:28	06/06/25 14:29	1
Arsenic	ND		3.00	0.860	ug/L		06/05/25 13:28	06/06/25 14:29	1
Barium	ND		5.00	0.890	ug/L		06/05/25 13:28	06/06/25 14:29	1
Beryllium	ND		0.500	0.200	ug/L		06/05/25 13:28	06/06/25 14:29	1
Cadmium	ND		0.500	0.0780	ug/L		06/05/25 13:28	06/06/25 14:29	1
Chromium	ND		5.00	1.20	ug/L		06/05/25 13:28	06/06/25 14:29	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-883280/1-A
Matrix: Water
Analysis Batch: 883361

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 883280

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		0.500	0.220	ug/L		06/05/25 13:28	06/06/25 14:29	1
Copper	ND		5.00	1.08	ug/L		06/05/25 13:28	06/06/25 14:29	1
Lead	ND		2.50	0.210	ug/L		06/05/25 13:28	06/06/25 14:29	1
Manganese	ND		5.00	2.20	ug/L		06/05/25 13:28	06/06/25 14:29	1
Nickel	ND		5.00	0.420	ug/L		06/05/25 13:28	06/06/25 14:29	1
Selenium	ND		2.50	0.990	ug/L		06/05/25 13:28	06/06/25 14:29	1
Silver	ND		1.00	0.390	ug/L		06/05/25 13:28	06/06/25 14:29	1
Thallium	ND		1.00	0.260	ug/L		06/05/25 13:28	06/06/25 14:29	1
Vanadium	ND		10.0	0.630	ug/L		06/05/25 13:28	06/06/25 14:29	1
Zinc	2.875	J	20.0	2.80	ug/L		06/05/25 13:28	06/06/25 14:29	1

Lab Sample ID: LCS 680-883280/2-A
Matrix: Water
Analysis Batch: 883361

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 883280

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	50.0	51.75		ug/L		104	80 - 120
Arsenic	100	103.5		ug/L		103	80 - 120
Barium	100	104.1		ug/L		104	80 - 120
Beryllium	50.0	54.62		ug/L		109	80 - 120
Cadmium	50.0	53.32		ug/L		107	80 - 120
Chromium	100	107.2		ug/L		107	80 - 120
Cobalt	50.0	53.32		ug/L		107	80 - 120
Copper	101	105.8		ug/L		105	80 - 120
Lead	500	510.2		ug/L		102	80 - 120
Manganese	400	404.6		ug/L		101	80 - 120
Nickel	100	108.5		ug/L		108	80 - 120
Selenium	100	104.2		ug/L		104	80 - 120
Silver	50.0	55.27		ug/L		111	80 - 120
Thallium	50.0	50.21		ug/L		100	80 - 120
Vanadium	100	98.73		ug/L		99	80 - 120
Zinc	100	105.2		ug/L		105	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-883321/1-A
Matrix: Water
Analysis Batch: 883345

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 883321

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.0800	ug/L		06/06/25 11:01	06/07/25 14:51	1

Lab Sample ID: LCS 680-883321/2-A
Matrix: Water
Analysis Batch: 883345

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 883321

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.50	2.307		ug/L		92	80 - 120

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 400-712427/86
Matrix: Water
Analysis Batch: 712427

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N)	ND		0.0500	0.0460	mg/L			06/11/25 12:52	1

Lab Sample ID: LCS 400-712427/87
Matrix: Water
Analysis Batch: 712427

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia (as N)	2.99	3.156		mg/L		106	90 - 110

Lab Sample ID: MRL 400-712427/18
Matrix: Water
Analysis Batch: 712427

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia (as N)	0.0498	0.06300		mg/L		126	50 - 150

Lab Sample ID: MB 400-712585/23
Matrix: Water
Analysis Batch: 712585

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N)	ND		0.0500	0.0460	mg/L			06/12/25 11:04	1

Lab Sample ID: LCS 400-712585/24
Matrix: Water
Analysis Batch: 712585

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia (as N)	2.99	3.043		mg/L		102	90 - 110

Lab Sample ID: MRL 400-712585/18
Matrix: Water
Analysis Batch: 712585

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia (as N)	0.0498	0.05600		mg/L		112	50 - 150

Lab Chronicle

Client: S&ME Inc
Project/Site: East End Park

Job ID: 400-276939-1

Client Sample ID: MW-1

Date Collected: 06/02/25 11:25
Date Received: 06/03/25 09:18

Lab Sample ID: 400-276939-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712374	06/11/25 23:14	CAR	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	711584	06/04/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			711974	06/07/25 17:09	JAW	EET PEN
Total/NA	Prep	3510C			224.2 mL	1 mL	711916	06/06/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	712788	06/14/25 17:44	VC1	EET PEN
Total/NA	Analysis	9056A		1			711409	06/03/25 19:49	AMM	EET PEN
Total/NA	Analysis	9056A		1			711411	06/03/25 19:49	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	883280	06/05/25 13:28	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883361	06/06/25 14:42	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	883321	06/06/25 11:01	NVF	EET SAV
Total/NA	Analysis	7470A		1			883345	06/07/25 15:38	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	712427	06/11/25 13:43	CAC	EET PEN

Client Sample ID: MW-4

Date Collected: 06/02/25 13:00
Date Received: 06/03/25 09:18

Lab Sample ID: 400-276939-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712374	06/11/25 23:41	CAR	EET PEN
Total/NA	Prep	3511			30.7 mL	2 mL	711584	06/04/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			711974	06/07/25 17:41	JAW	EET PEN
Total/NA	Prep	3510C			246 mL	1 mL	711916	06/06/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	712788	06/14/25 18:09	VC1	EET PEN
Total/NA	Analysis	9056A		1			711409	06/03/25 19:58	AMM	EET PEN
Total/NA	Analysis	9056A		1			711411	06/03/25 19:58	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	883280	06/05/25 13:28	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883361	06/06/25 14:44	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	883321	06/06/25 11:01	NVF	EET SAV
Total/NA	Analysis	7470A		1			883345	06/07/25 15:41	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	712427	06/11/25 13:46	CAC	EET PEN

Client Sample ID: MW-6

Date Collected: 06/02/25 14:30
Date Received: 06/03/25 09:18

Lab Sample ID: 400-276939-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712374	06/12/25 00:08	CAR	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	711584	06/04/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			711974	06/07/25 18:12	JAW	EET PEN
Total/NA	Prep	3510C			256.6 mL	1 mL	711916	06/06/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	712788	06/14/25 18:34	VC1	EET PEN
Total/NA	Analysis	9056A		1			711409	06/03/25 20:06	AMM	EET PEN
Total/NA	Analysis	9056A		1			711411	06/03/25 20:06	AMM	EET PEN

Client Sample ID: MW-6
Lab Sample ID: 400-276939-3

Date Collected: 06/02/25 14:30
Matrix: Water
Date Received: 06/03/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	883280	06/05/25 13:28	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883361	06/06/25 14:47	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	883321	06/06/25 11:01	NVF	EET SAV
Total/NA	Analysis	7470A		1			883345	06/07/25 15:43	BJB	EET SAV
Total/NA	Analysis	350.1		2	10 mL	10 mL	712585	06/12/25 11:47	CAC	EET PEN

Client Sample ID: DUP-2
Lab Sample ID: 400-276939-4

Date Collected: 06/02/25 13:10
Matrix: Water
Date Received: 06/03/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712374	06/12/25 00:35	CAR	EET PEN
Total/NA	Prep	3511			30.7 mL	2 mL	711584	06/04/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			711974	06/07/25 18:44	JAW	EET PEN
Total/NA	Prep	3510C			233.2 mL	1 mL	711916	06/06/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	712788	06/14/25 19:00	VC1	EET PEN
Total/NA	Analysis	9056A		1			711409	06/03/25 20:32	AMM	EET PEN
Total/NA	Analysis	9056A		1			711411	06/03/25 20:32	AMM	EET PEN
Total Recoverable	Prep	3005A			25 mL	125 mL	883280	06/05/25 13:28	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883361	06/06/25 14:50	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	883321	06/06/25 11:01	NVF	EET SAV
Total/NA	Analysis	7470A		1			883345	06/07/25 15:50	BJB	EET SAV
Total/NA	Analysis	350.1		1	10 mL	10 mL	712427	06/11/25 13:51	CAC	EET PEN

Client Sample ID: TRIP BLANK
Lab Sample ID: 400-276939-5

Date Collected: 06/02/25 00:00
Matrix: Water
Date Received: 06/03/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712374	06/12/25 01:03	CAR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-711409/5

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			711409	06/03/25 18:49	AMM	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-711411/5

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			711411	06/03/25 18:49	AMM	EET PEN

Lab Chronicle

Client: S&ME Inc
Job ID: 400-276939-1
Project/Site: East End Park

Client Sample ID: Method Blank
Lab Sample ID: MB 400-711584/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	711584	06/04/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			711974	06/07/25 15:34	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-711916/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			250 mL	1 mL	711916	06/06/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	712788	06/14/25 12:14	VC1	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-712374/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712374	06/11/25 14:32	CAR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-712427/86
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	10 mL	10 mL	712427	06/11/25 12:52	CAC	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-712585/23
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	10 mL	10 mL	712585	06/12/25 11:04	CAC	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 680-883280/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	883280	06/05/25 13:28	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883361	06/06/25 14:29	BWR	EET SAV

Client Sample ID: Method Blank — **Lab Sample ID: MB 680-883321/1-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	883321	06/06/25 11:01	NVF	EET SAV
Total/NA	Analysis	7470A		1			883345	06/07/25 14:51	BJB	EET SAV

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-711409/6**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			711409	06/03/25 18:58	AMM	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-711411/6**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			711411	06/03/25 18:58	AMM	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-711584/2-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	711584	06/04/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			711974	06/07/25 16:06	JAW	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-711916/2-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			250 mL	1 mL	711916	06/06/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	712788	06/14/25 12:39	VC1	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-712374/1002**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	712374	06/11/25 13:18	CAR	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-712427/87**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	10 mL	10 mL	712427	06/11/25 12:55	CAC	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-712585/24

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	10 mL	10 mL	712585	06/12/25 11:07	CAC	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 680-883280/2-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	883280	06/05/25 13:28	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883361	06/06/25 14:32	BWR	EET SAV

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 680-883321/2-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	883321	06/06/25 11:01	NVF	EET SAV
Total/NA	Analysis	7470A		1			883345	06/07/25 14:56	BJB	EET SAV

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-711409/7

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			711409	06/03/25 19:06	AMM	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-711411/7

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			711411	06/03/25 19:06	AMM	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-711584/3-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	711584	06/04/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			711974	06/07/25 16:38	JAW	EET PEN

Lab Chronicle

Client: S&ME Inc
Job ID: 400-276939-1
Project/Site: East End Park

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-711916/3-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			250 mL	1 mL	711916	06/06/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	712788	06/14/25 13:05	VC1	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: MRL 400-712427/18

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	100 mL	100 mL	712427	06/11/25 09:51	CAC	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: MRL 400-712585/18

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	100 mL	100 mL	712585	06/12/25 10:51	CAC	EET PEN

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Method Summary

Client: S&ME Inc
Job ID: 400-276939-1
Project/Site: East End Park

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
8270E SIM ID	Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)	SW846	EET PEN
9056A	Anions, Ion Chromatography	SW846	EET PEN
6020B	Metals (ICP/MS)	SW846	EET SAV
7470A	Mercury (CVAA)	SW846	EET SAV
350.1	Nitrogen, Ammonia	EPA	EET PEN
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN
7470A	Preparation, Mercury	SW846	EET SAV

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: S&ME Inc
Job ID: 400-276939-1
Project/Site: East End Park

Laboratory: Eurofins Pensacola

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
North Carolina (WW/SW)	State	314	12-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	1,2,4-Trimethylbenzene
8260D		Water	Hexane
8260D		Water	n-Heptane
8270E	3511	Water	3 & 4 Methylphenol
8270E	3511	Water	4-Nitrophenol
9056A		Water	Nitrate as N
9056A		Water	Sulfate

Laboratory: Eurofins Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
North Carolina (WW/SW)	State	269	12-31-25

Eurofins Raleigh
104 Woodwinds Industrial Court Suite A
Cary, NC 27511
Phone (919) 467-3090

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: CF	Lab PM:	Carrier Tracking No(s):	COC No:
Client Contact: Jerry Paul	Phone:	E-Mail:	State of Origin:	Page:
Company: SME	PWSID:			Job #:
Address: 3201 Spring Forest Road	Due Date Requested:			
City: Raleigh NC	TAT Requested (days): standard			
State, Zip: NC 27616	Compliance Project: Δ Yes Δ No			
Phone: 919.872.2660	PO #:			
Email: jpaul@smeinc.com	WO #:			
Project Name: Durham Parks	Eurofins' Project #:			
Site: East End	SSOW#:			

Analysis Requested

Preservation Codes:

Other:

Sample identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	9056A_ORGFM_28D - Sulfate	9056A_ORGFM_48H - Nitrate as N	350.1 Ammonia as N	6020B PRLF 16 Metals	8260D - VOC NC02L List	8270E_SIM - 1,4 Dioxane	8270E_aqa SVOC TCL	8260D VOC NC 02L List	Total Number of containers	Special Instructions/Note:
			Preservation Code:												
MW-1	6/2/25	1125	G	W		✓	✓	✓	✓	✓	✓	✓	✓		
MW-4		1300				✓	✓	✓	✓	✓	✓	✓	✓		
MW-6		1430				✓	✓	✓	✓	✓	✓	✓	✓		
DUP-2		1310				✓	✓	✓	✓	✓	✓	✓	✓		

400-276939 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Clay Faircloth	6/2/25 1700				
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: DW	Date/Time: 06/03/25 915	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 6.0 °C IR 10

Ver: 05/06/2024

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Bechtold, Chad	Carrier Tracking No(s): N/A	COC No: 400-377290.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Chad.Bechtold@et.eurofinsus.com	State of Origin: North Carolina	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): State - North Carolina (WW/SW)		Job #: 400-276939-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 6/11/2025			Preservation Codes: -
City: Savannah	TAT Requested (days): N/A			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: East End Park	Project #: 68026680			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005A PRLF 16 Metals, Including prep	7470A/7470A_Prep Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MW-1 (400-276939-1)	6/2/25	11:25 Eastern	G	Water			X	X	1	
MW-4 (400-276939-2)	6/2/25	13:00 Eastern	G	Water			X	X	1	
MW-6 (400-276939-3)	6/2/25	14:30 Eastern	G	Water			X	X	1	
DUP-2 (400-276939-4)	6/2/25	13:10 Eastern	G	Water			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		6/4/25 17W	E9		6/5/25 928	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.9 / 1.9

Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 400-276939-1

Login Number: 276939

List Source: Eurofins Pensacola

List Number: 1

Creator: Beecher (Roberts), Alexis J

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Received Trip Blank(s) not listed on COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 400-276939-1

Login Number: 276939
List Number: 2
Creator: Faught, Timothy

List Source: Eurofins Savannah
List Creation: 06/05/25 12:01 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Jerry Paul
S&ME Inc
3201 Spring Forest Road
Raleigh, North Carolina 27616

Generated 5/22/2025 11:54:52 AM

JOB DESCRIPTION

City of Durham - East End Park-SED

JOB NUMBER

400-275302-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization

Generated
5/22/2025 11:54:52 AM

Authorized for release by
Chad Bechtold, Project Manager
Chad.Bechtold@et.eurofinsus.com
(813)690-3563

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Detection Summary 6
Sample Summary 16
Client Sample Results 17
Definitions 99
Surrogate Summary 101
QC Association 103
QC Sample Results 113
Chronicle 143
Method Summary 162
Certification Summary 163
Chain of Custody 164
Receipt Checklists 169

Job Narrative
400-275302-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 5/6/2025 9:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 0.5°C, 0.7°C, 4.0°C and 4.6°C.

Receipt Exceptions
Two of the four unpreserved amber vials for the following sample were received broken: SW-8 (400-275302-18). The laboratory used the other two unpreserved amber vials to perform the requested 8270E - SVOCs analysis on this sample.

GC/MS VOA
Method 8260D: The laboratory control sample (LCS) for analytical batch 400-709661 recovered outside control limits for the following analyte: Acetone. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The laboratory control sample (LCS) for preparation batch 400-709600 and analytical batch 400-709576 recovered outside control limits for the following analyte: Hexachlorobutadiene. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E: The following samples were diluted due to the nature of the sample matrix: SED-1 (400-275302-1), SED-2 (400-275302-2), SED-3 (400-275302-3), SED-4 (400-275302-4), SED-5 (400-275302-5), SED-6 (400-275302-6), SED-7 (400-275302-7), SED-8 (400-275302-8), SED-9 (400-275302-9), SED-DUP-1 (400-275302-10), (400-275302-E-1-A MS) and (400-275302-E-1-B MSD). Elevated reporting limits (RLs) are provided.

Method 8270E: The laboratory control sample (LCS) for preparation batch 400-708696 and analytical batch 400-708889 recovered outside control limits for the following analytes: 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol and 4-Nitroaniline. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E_SIM_ID_D5: The following samples were diluted due to the nature of the sample matrix: SED-1 (400-275302-1), SED-2 (400-275302-2), SED-3 (400-275302-3), SED-4 (400-275302-4), SED-5 (400-275302-5), SED-6 (400-275302-6), SED-7 (400-275302-7), SED-8 (400-275302-8), SED-9 (400-275302-9) and SED-DUP-1 (400-275302-10). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6020B_LL: The method blank for preparation batch 705-55244 and analytical batch 705-56127 contained Copper above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Job ID: 400-275302-1 (Continued) Eurofins Pensacola

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SED-1 — Lab Sample ID: 400-275302-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0201	J	0.0267	0.0128	mg/Kg	1	☼	8260D	Total/NA
Fluoranthene	0.977	J	2.17	0.480	mg/Kg	5	☼	8270E	Total/NA
Pyrene	0.623	J	2.17	0.512	mg/Kg	5	☼	8270E	Total/NA
Sulfate	25.3	J	27.0	9.86	mg/Kg	1	☼	9056A	Soluble
Silver	0.0154	J	0.175	0.00203	mg/Kg	5	☼	6020B	Total/NA
Arsenic	0.760		0.419	0.0374	mg/Kg	5	☼	6020B	Total/NA
Chromium	6.13		0.698	0.144	mg/Kg	5	☼	6020B	Total/NA
Copper	8.59	B	0.349	0.0363	mg/Kg	5	☼	6020B	Total/NA
Cadmium	0.0903	J	0.349	0.0114	mg/Kg	5	☼	6020B	Total/NA
Cobalt	4.22		0.524	0.0198	mg/Kg	5	☼	6020B	Total/NA
Barium	24.8		1.75	0.00988	mg/Kg	5	☼	6020B	Total/NA
Beryllium	0.141	J	0.349	0.0245	mg/Kg	5	☼	6020B	Total/NA
Manganese	168		0.698	0.0430	mg/Kg	5	☼	6020B	Total/NA
Nickel	11.8		0.698	0.0183	mg/Kg	5	☼	6020B	Total/NA
Lead	39.1		0.349	0.0412	mg/Kg	5	☼	6020B	Total/NA
Vanadium	12.2		0.698	0.0877	mg/Kg	5	☼	6020B	Total/NA
Zinc	53.0		1.75	1.45	mg/Kg	5	☼	6020B	Total/NA
Ammonia (as N)	1.10	J	1.34	0.429	mg/Kg	1	☼	350.1	Soluble

Client Sample ID: SED-2 — Lab Sample ID: 400-275302-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	0.594	J	2.03	0.448	mg/Kg	5	☼	8270E	Total/NA
Pyrene	0.482	J	2.03	0.479	mg/Kg	5	☼	8270E	Total/NA
Sulfate	20.2	J	25.3	9.24	mg/Kg	1	☼	9056A	Soluble
Silver	0.0124	J	0.163	0.00189	mg/Kg	5	☼	6020B	Total/NA
Arsenic	0.990		0.391	0.0349	mg/Kg	5	☼	6020B	Total/NA
Chromium	15.3		0.652	0.134	mg/Kg	5	☼	6020B	Total/NA
Copper	13.9	B	0.326	0.0339	mg/Kg	5	☼	6020B	Total/NA
Cadmium	0.0925	J	0.326	0.0106	mg/Kg	5	☼	6020B	Total/NA
Cobalt	3.60		0.489	0.0185	mg/Kg	5	☼	6020B	Total/NA
Barium	24.9		1.63	0.00923	mg/Kg	5	☼	6020B	Total/NA
Beryllium	0.216	J	0.326	0.0229	mg/Kg	5	☼	6020B	Total/NA
Manganese	113		0.652	0.0401	mg/Kg	5	☼	6020B	Total/NA
Nickel	9.96		0.652	0.0171	mg/Kg	5	☼	6020B	Total/NA
Lead	20.6		0.326	0.0385	mg/Kg	5	☼	6020B	Total/NA
Antimony	0.150	J	0.652	0.149	mg/Kg	5	☼	6020B	Total/NA
Vanadium	16.1		0.652	0.0819	mg/Kg	5	☼	6020B	Total/NA
Zinc	49.7		1.63	1.35	mg/Kg	5	☼	6020B	Total/NA

Client Sample ID: SED-3 — Lab Sample ID: 400-275302-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0269	J	0.0282	0.0135	mg/Kg	1	☼	8260D	Total/NA
Fluoranthene	0.786	J	2.30	0.508	mg/Kg	5	☼	8270E	Total/NA
Sulfate	13.1	J	28.8	10.5	mg/Kg	1	☼	9056A	Soluble
Silver	0.0262	J	0.203	0.00235	mg/Kg	5	☼	6020B	Total/NA
Arsenic	1.16		0.487	0.0434	mg/Kg	5	☼	6020B	Total/NA
Chromium	8.88		0.812	0.167	mg/Kg	5	☼	6020B	Total/NA
Copper	10.8	B	0.406	0.0422	mg/Kg	5	☼	6020B	Total/NA
Cadmium	0.0597	J	0.406	0.0132	mg/Kg	5	☼	6020B	Total/NA
Cobalt	4.19		0.609	0.0230	mg/Kg	5	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Client Sample ID: SED-3 (Continued)
Lab Sample ID: 400-275302-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	38.7		2.03	0.0115	mg/Kg	5	☼	6020B	Total/NA
Beryllium	0.186	J	0.406	0.0285	mg/Kg	5	☼	6020B	Total/NA
Manganese	125		0.812	0.0499	mg/Kg	5	☼	6020B	Total/NA
Nickel	13.8		0.812	0.0212	mg/Kg	5	☼	6020B	Total/NA
Lead	41.5		0.406	0.0479	mg/Kg	5	☼	6020B	Total/NA
Antimony	0.224	J	0.812	0.186	mg/Kg	5	☼	6020B	Total/NA
Thallium	0.0402	J	0.568	0.0342	mg/Kg	5	☼	6020B	Total/NA
Vanadium	17.9		0.812	0.102	mg/Kg	5	☼	6020B	Total/NA
Zinc	51.2		2.03	1.69	mg/Kg	5	☼	6020B	Total/NA

Client Sample ID: SED-4
Lab Sample ID: 400-275302-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0175	J	0.0196	0.00942	mg/Kg	1	☼	8260D	Total/NA
Fluoranthene	0.739	J	1.87	0.413	mg/Kg	5	☼	8270E	Total/NA
Pyrene	0.471	J	1.87	0.441	mg/Kg	5	☼	8270E	Total/NA
Silver	0.0139	J	0.146	0.00169	mg/Kg	5	☼	6020B	Total/NA
Arsenic	0.709		0.350	0.0312	mg/Kg	5	☼	6020B	Total/NA
Chromium	4.96		0.584	0.120	mg/Kg	5	☼	6020B	Total/NA
Copper	37.0	B	0.292	0.0304	mg/Kg	5	☼	6020B	Total/NA
Cadmium	0.0781	J	0.292	0.00952	mg/Kg	5	☼	6020B	Total/NA
Cobalt	3.81		0.438	0.0165	mg/Kg	5	☼	6020B	Total/NA
Barium	22.3		1.46	0.00826	mg/Kg	5	☼	6020B	Total/NA
Beryllium	0.134	J	0.292	0.0205	mg/Kg	5	☼	6020B	Total/NA
Manganese	112		0.584	0.0359	mg/Kg	5	☼	6020B	Total/NA
Nickel	11.2		0.584	0.0153	mg/Kg	5	☼	6020B	Total/NA
Lead	21.2		0.292	0.0345	mg/Kg	5	☼	6020B	Total/NA
Antimony	0.741		0.584	0.133	mg/Kg	5	☼	6020B	Total/NA
Vanadium	12.9		0.584	0.0733	mg/Kg	5	☼	6020B	Total/NA
Zinc	51.5		1.46	1.21	mg/Kg	5	☼	6020B	Total/NA

Client Sample ID: SED-5
Lab Sample ID: 400-275302-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.00216	J	0.00459	0.000698	mg/Kg	1	☼	8260D	Total/NA
Trichloroethene	0.00124	J	0.00459	0.000918	mg/Kg	1	☼	8260D	Total/NA
Fluoranthene	0.496	J	1.84	0.406	mg/Kg	5	☼	8270E	Total/NA
Sulfate	28.3		23.0	8.41	mg/Kg	1	☼	9056A	Soluble
Silver	0.00851	J	0.147	0.00170	mg/Kg	5	☼	6020B	Total/NA
Arsenic	0.593		0.352	0.0314	mg/Kg	5	☼	6020B	Total/NA
Chromium	5.15		0.587	0.121	mg/Kg	5	☼	6020B	Total/NA
Copper	6.27	B	0.294	0.0305	mg/Kg	5	☼	6020B	Total/NA
Cadmium	0.0618	J	0.294	0.00957	mg/Kg	5	☼	6020B	Total/NA
Cobalt	3.25		0.440	0.0166	mg/Kg	5	☼	6020B	Total/NA
Barium	13.3		1.47	0.00831	mg/Kg	5	☼	6020B	Total/NA
Beryllium	0.0897	J	0.294	0.0206	mg/Kg	5	☼	6020B	Total/NA
Manganese	80.9		0.587	0.0361	mg/Kg	5	☼	6020B	Total/NA
Nickel	9.24		0.587	0.0154	mg/Kg	5	☼	6020B	Total/NA
Lead	13.0		0.294	0.0346	mg/Kg	5	☼	6020B	Total/NA
Vanadium	8.48		0.587	0.0737	mg/Kg	5	☼	6020B	Total/NA
Zinc	42.8		1.47	1.22	mg/Kg	5	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SED-6
Lab Sample ID: 400-275302-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0990		0.0323	0.0155	mg/Kg	1	☼	8260D	Total/NA
2-Butanone (MEK)	0.0119	J	0.0323	0.00774	mg/Kg	1	☼	8260D	Total/NA
Benzo[a]anthracene	0.873	J	2.36	0.629	mg/Kg	5	☼	8270E	Total/NA
Benzo[a]pyrene	0.942	J	2.36	0.336	mg/Kg	5	☼	8270E	Total/NA
Benzo[b]fluoranthene	1.53	J	2.36	0.708	mg/Kg	5	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.782	J	2.36	0.558	mg/Kg	5	☼	8270E	Total/NA
Chrysene	1.20	J	2.36	0.758	mg/Kg	5	☼	8270E	Total/NA
Fluoranthene	1.73	J	2.36	0.522	mg/Kg	5	☼	8270E	Total/NA
Phenanthrene	1.20	J	2.36	0.579	mg/Kg	5	☼	8270E	Total/NA
Pyrene	1.97	J	2.36	0.558	mg/Kg	5	☼	8270E	Total/NA
Nitrate as N	1.38	J	3.02	0.996	mg/Kg	1	☼	9056A	Soluble
Sulfate	73.5		30.2	11.0	mg/Kg	1	☼	9056A	Soluble
Silver	0.0636	J	0.202	0.00234	mg/Kg	5	☼	6020B	Total/NA
Arsenic	2.45		0.485	0.0432	mg/Kg	5	☼	6020B	Total/NA
Chromium	14.4		0.808	0.166	mg/Kg	5	☼	6020B	Total/NA
Copper	43.6	B	0.404	0.0420	mg/Kg	5	☼	6020B	Total/NA
Cadmium	0.293	J	0.404	0.0132	mg/Kg	5	☼	6020B	Total/NA
Cobalt	7.46		0.606	0.0229	mg/Kg	5	☼	6020B	Total/NA
Barium	79.8		2.02	0.0114	mg/Kg	5	☼	6020B	Total/NA
Beryllium	0.389	J	0.404	0.0283	mg/Kg	5	☼	6020B	Total/NA
Manganese	467		8.08	0.497	mg/Kg	50	☼	6020B	Total/NA
Nickel	18.7		0.808	0.0211	mg/Kg	5	☼	6020B	Total/NA
Lead	52.1		0.404	0.0476	mg/Kg	5	☼	6020B	Total/NA
Antimony	0.478	J	0.808	0.185	mg/Kg	5	☼	6020B	Total/NA
Selenium	0.300	J	2.02	0.143	mg/Kg	5	☼	6020B	Total/NA
Thallium	0.0674	J	0.565	0.0340	mg/Kg	5	☼	6020B	Total/NA
Vanadium	24.9		0.808	0.101	mg/Kg	5	☼	6020B	Total/NA
Zinc	182		2.02	1.68	mg/Kg	5	☼	6020B	Total/NA

Client Sample ID: SED-7
Lab Sample ID: 400-275302-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0921		0.0268	0.0129	mg/Kg	1	☼	8260D	Total/NA
2-Butanone (MEK)	0.00849	J	0.0268	0.00644	mg/Kg	1	☼	8260D	Total/NA
Benzo[a]anthracene	0.792	J	2.29	0.610	mg/Kg	5	☼	8270E	Total/NA
Benzo[a]pyrene	0.783	J	2.29	0.326	mg/Kg	5	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.995	J	2.29	0.686	mg/Kg	5	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.737	J	2.29	0.541	mg/Kg	5	☼	8270E	Total/NA
Chrysene	0.920	J	2.29	0.735	mg/Kg	5	☼	8270E	Total/NA
Fluoranthene	1.39	J	2.29	0.506	mg/Kg	5	☼	8270E	Total/NA
Phenanthrene	1.19	J	2.29	0.562	mg/Kg	5	☼	8270E	Total/NA
Pyrene	1.51	J	2.29	0.541	mg/Kg	5	☼	8270E	Total/NA
Silver	0.0272	J	0.203	0.00236	mg/Kg	5	☼	6020B	Total/NA
Arsenic	1.58		0.487	0.0435	mg/Kg	5	☼	6020B	Total/NA
Chromium	10.2		0.812	0.167	mg/Kg	5	☼	6020B	Total/NA
Copper	16.4	B	0.406	0.0422	mg/Kg	5	☼	6020B	Total/NA
Cobalt	4.72		0.609	0.0230	mg/Kg	5	☼	6020B	Total/NA
Barium	42.9		2.03	0.0115	mg/Kg	5	☼	6020B	Total/NA
Beryllium	0.241	J	0.406	0.0285	mg/Kg	5	☼	6020B	Total/NA
Manganese	155		0.812	0.0500	mg/Kg	5	☼	6020B	Total/NA
Nickel	12.9		0.812	0.0212	mg/Kg	5	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SED-7 (Continued)
Lab Sample ID: 400-275302-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	48.8		0.406	0.0479	mg/Kg	5	☼	6020B	Total/NA
Antimony	0.627	J	0.812	0.186	mg/Kg	5	☼	6020B	Total/NA
Selenium	0.206	J	2.03	0.144	mg/Kg	5	☼	6020B	Total/NA
Thallium	0.0347	J	0.569	0.0342	mg/Kg	5	☼	6020B	Total/NA
Vanadium	14.8		0.812	0.102	mg/Kg	5	☼	6020B	Total/NA
Zinc	85.1		2.03	1.69	mg/Kg	5	☼	6020B	Total/NA

Client Sample ID: SED-8
Lab Sample ID: 400-275302-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0105	J	0.0208	0.00997	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.00226	J	0.00416	0.00210	mg/Kg	1	☼	8260D	Total/NA
Sulfate	9.32	J	22.5	8.21	mg/Kg	1	☼	9056A	Soluble
Silver	0.00978	J	0.142	0.00164	mg/Kg	5	☼	6020B	Total/NA
Arsenic	0.663		0.340	0.0303	mg/Kg	5	☼	6020B	Total/NA
Chromium	6.10		0.567	0.117	mg/Kg	5	☼	6020B	Total/NA
Copper	11.7	B	0.284	0.0295	mg/Kg	5	☼	6020B	Total/NA
Cadmium	0.0758	J	0.284	0.00924	mg/Kg	5	☼	6020B	Total/NA
Cobalt	4.95		0.425	0.0160	mg/Kg	5	☼	6020B	Total/NA
Barium	15.0		1.42	0.00802	mg/Kg	5	☼	6020B	Total/NA
Beryllium	0.106	J	0.284	0.0199	mg/Kg	5	☼	6020B	Total/NA
Manganese	114		0.567	0.0349	mg/Kg	5	☼	6020B	Total/NA
Nickel	16.7		0.567	0.0148	mg/Kg	5	☼	6020B	Total/NA
Lead	12.2		0.284	0.0335	mg/Kg	5	☼	6020B	Total/NA
Vanadium	10.5		0.567	0.0712	mg/Kg	5	☼	6020B	Total/NA
Zinc	47.3		1.42	1.18	mg/Kg	5	☼	6020B	Total/NA

Client Sample ID: SED-9
Lab Sample ID: 400-275302-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0260		0.0182	0.00871	mg/Kg	1	☼	8260D	Total/NA
2-Butanone (MEK)	0.00444	J	0.0182	0.00436	mg/Kg	1	☼	8260D	Total/NA
Benzo[a]anthracene	0.959	J	1.85	0.494	mg/Kg	5	☼	8270E	Total/NA
Benzo[a]pyrene	0.974	J	1.85	0.264	mg/Kg	5	☼	8270E	Total/NA
Benzo[b]fluoranthene	1.28	J	1.85	0.555	mg/Kg	5	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.638	J	1.85	0.617	mg/Kg	5	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.799	J	1.85	0.438	mg/Kg	5	☼	8270E	Total/NA
Chrysene	1.01	J	1.85	0.595	mg/Kg	5	☼	8270E	Total/NA
Fluoranthene	1.63	J	1.85	0.410	mg/Kg	5	☼	8270E	Total/NA
Phenanthrene	1.05	J	1.85	0.454	mg/Kg	5	☼	8270E	Total/NA
Pyrene	1.81	J	1.85	0.438	mg/Kg	5	☼	8270E	Total/NA
Sulfate	10.7	J	23.1	8.43	mg/Kg	1	☼	9056A	Soluble
Silver	0.0143	J	0.147	0.00171	mg/Kg	5	☼	6020B	Total/NA
Arsenic	1.03		0.353	0.0315	mg/Kg	5	☼	6020B	Total/NA
Chromium	8.85		0.589	0.121	mg/Kg	5	☼	6020B	Total/NA
Copper	12.9	B	0.294	0.0306	mg/Kg	5	☼	6020B	Total/NA
Cadmium	0.0958	J	0.294	0.00960	mg/Kg	5	☼	6020B	Total/NA
Cobalt	5.23		0.442	0.0167	mg/Kg	5	☼	6020B	Total/NA
Barium	20.2		1.47	0.00833	mg/Kg	5	☼	6020B	Total/NA
Beryllium	0.150	J	0.294	0.0206	mg/Kg	5	☼	6020B	Total/NA
Manganese	144		0.589	0.0362	mg/Kg	5	☼	6020B	Total/NA
Nickel	18.8		0.589	0.0154	mg/Kg	5	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SED-9 (Continued)
Lab Sample ID: 400-275302-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	15.1		0.294	0.0347	mg/Kg	5	☼	6020B	Total/NA
Antimony	0.137	J	0.589	0.135	mg/Kg	5	☼	6020B	Total/NA
Vanadium	17.2		0.589	0.0739	mg/Kg	5	☼	6020B	Total/NA
Zinc	55.1		1.47	1.22	mg/Kg	5	☼	6020B	Total/NA

Client Sample ID: SED-DUP-1
Lab Sample ID: 400-275302-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0814		0.0271	0.0130	mg/Kg	1	☼	8260D	Total/NA
2-Butanone (MEK)	0.00922	J	0.0271	0.00650	mg/Kg	1	☼	8260D	Total/NA
Benzo[a]anthracene	0.747	J	2.18	0.580	mg/Kg	5	☼	8270E	Total/NA
Benzo[a]pyrene	0.839	J	2.18	0.310	mg/Kg	5	☼	8270E	Total/NA
Benzo[b]fluoranthene	1.33	J	2.18	0.653	mg/Kg	5	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.699	J	2.18	0.514	mg/Kg	5	☼	8270E	Total/NA
Chrysene	1.03	J	2.18	0.699	mg/Kg	5	☼	8270E	Total/NA
Fluoranthene	1.41	J	2.18	0.481	mg/Kg	5	☼	8270E	Total/NA
Phenanthrene	0.797	J	2.18	0.534	mg/Kg	5	☼	8270E	Total/NA
Pyrene	1.63	J	2.18	0.514	mg/Kg	5	☼	8270E	Total/NA
Nitrate as N	1.01	J	2.71	0.896	mg/Kg	1	☼	9056A	Soluble
Sulfate	48.0		27.1	9.91	mg/Kg	1	☼	9056A	Soluble
Silver	0.0641	J	0.175	0.00203	mg/Kg	5	☼	6020B	Total/NA
Arsenic	2.24		0.419	0.0374	mg/Kg	5	☼	6020B	Total/NA
Chromium	13.2		0.699	0.144	mg/Kg	5	☼	6020B	Total/NA
Copper	33.9	B	0.349	0.0363	mg/Kg	5	☼	6020B	Total/NA
Cadmium	0.262	J	0.349	0.0114	mg/Kg	5	☼	6020B	Total/NA
Cobalt	6.54		0.524	0.0198	mg/Kg	5	☼	6020B	Total/NA
Barium	68.1		1.75	0.00988	mg/Kg	5	☼	6020B	Total/NA
Beryllium	0.343	J	0.349	0.0245	mg/Kg	5	☼	6020B	Total/NA
Manganese	445		6.99	0.430	mg/Kg	50	☼	6020B	Total/NA
Nickel	16.3		0.699	0.0183	mg/Kg	5	☼	6020B	Total/NA
Lead	47.3		0.349	0.0412	mg/Kg	5	☼	6020B	Total/NA
Antimony	0.424	J	0.699	0.160	mg/Kg	5	☼	6020B	Total/NA
Selenium	0.267	J	1.75	0.124	mg/Kg	5	☼	6020B	Total/NA
Thallium	0.0625	J	0.489	0.0294	mg/Kg	5	☼	6020B	Total/NA
Vanadium	22.2		0.699	0.0877	mg/Kg	5	☼	6020B	Total/NA
Zinc	168		1.75	1.45	mg/Kg	5	☼	6020B	Total/NA

Client Sample ID: SW-1
Lab Sample ID: 400-275302-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	10.4	J	25.0	10.0	ug/L	1		8260D	Total/NA
Nitrate as N	0.509		0.100	0.0630	mg/L	1		9056A	Total/NA
Sulfate	6.96		1.00	0.390	mg/L	1		9056A	Total/NA
Arsenic	2.02	J	5.00	1.32	ug/L	1		6020B	Total Recoverable
Barium	38.5		10.0	0.410	ug/L	1		6020B	Total Recoverable
Copper	11.3		2.00	0.642	ug/L	1		6020B	Total Recoverable
Lead	6.51		1.00	0.864	ug/L	1		6020B	Total Recoverable
Manganese	75.8		5.00	1.29	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: SW-1 (Continued) — Lab Sample ID: 400-275302-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	2.47	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Silver	0.207	J	1.00	0.167	ug/L	1		6020B	Total Recoverable
Vanadium	4.26	J	5.00	1.22	ug/L	1		6020B	Total Recoverable
Zinc	30.5		10.0	8.91	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	0.129		0.0500	0.0460	mg/L	1		350.1	Total/NA

Client Sample ID: SW-2 — Lab Sample ID: 400-275302-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	10.9	J	25.0	10.0	ug/L	1		8260D	Total/NA
Caprolactam	2.94	J	9.84	2.36	ug/L	1		8270E	Total/NA
Nitrate as N	0.399		0.100	0.0630	mg/L	1		9056A	Total/NA
Sulfate	6.16		1.00	0.390	mg/L	1		9056A	Total/NA
Arsenic	1.48	J	5.00	1.32	ug/L	1		6020B	Total Recoverable
Barium	36.2		10.0	0.410	ug/L	1		6020B	Total Recoverable
Copper	11.2		2.00	0.642	ug/L	1		6020B	Total Recoverable
Lead	6.61		1.00	0.864	ug/L	1		6020B	Total Recoverable
Manganese	73.0		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	2.23	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	3.81	J	5.00	1.22	ug/L	1		6020B	Total Recoverable
Zinc	33.5		10.0	8.91	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	0.164		0.0500	0.0460	mg/L	1		350.1	Total/NA

Client Sample ID: SW-3 — Lab Sample ID: 400-275302-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12.9	J	25.0	10.0	ug/L	1		8260D	Total/NA
Nitrate as N	0.341		0.100	0.0630	mg/L	1		9056A	Total/NA
Sulfate	5.31		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	33.4		10.0	0.410	ug/L	1		6020B	Total Recoverable
Cobalt	0.709	J	5.00	0.411	ug/L	1		6020B	Total Recoverable
Copper	11.7		2.00	0.642	ug/L	1		6020B	Total Recoverable
Lead	8.04		1.00	0.864	ug/L	1		6020B	Total Recoverable
Manganese	78.5		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	2.83	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	4.74	J	5.00	1.22	ug/L	1		6020B	Total Recoverable
Zinc	35.4		10.0	8.91	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: SW-3 (Continued) — Lab Sample ID: 400-275302-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ammonia (as N)	0.176		0.0500	0.0460	mg/L	1		350.1	Total/NA

Client Sample ID: SW-4 — Lab Sample ID: 400-275302-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12.3	J	25.0	10.0	ug/L	1		8260D	Total/NA
Nitrate as N	0.312		0.100	0.0630	mg/L	1		9056A	Total/NA
Sulfate	4.82		1.00	0.390	mg/L	1		9056A	Total/NA
Barium	37.7		10.0	0.410	ug/L	1		6020B	Total Recoverable
Chromium	3.83	J	5.00	3.69	ug/L	1		6020B	Total Recoverable
Cobalt	1.03	J	5.00	0.411	ug/L	1		6020B	Total Recoverable
Copper	13.7		2.00	0.642	ug/L	1		6020B	Total Recoverable
Lead	11.9		1.00	0.864	ug/L	1		6020B	Total Recoverable
Manganese	113		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	3.97	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	5.38		5.00	1.22	ug/L	1		6020B	Total Recoverable
Zinc	42.9		10.0	8.91	ug/L	1		6020B	Total Recoverable
Mercury	0.172	J	0.200	0.166	ug/L	1		7470A	Total/NA
Ammonia (as N)	0.176		0.0500	0.0460	mg/L	1		350.1	Total/NA

Client Sample ID: SW-5 — Lab Sample ID: 400-275302-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.07		1.00	0.200	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	0.689	J	1.00	0.500	ug/L	1		8260D	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	0.862	J	1.00	0.500	ug/L	1		8260D	Total/NA
Nitrate as N	3.64		0.100	0.0630	mg/L	1		9056A	Total/NA
Sulfate	25.3		1.00	0.390	mg/L	1		9056A	Total/NA
Arsenic	1.33	J	5.00	1.32	ug/L	1		6020B	Total Recoverable
Barium	67.0		10.0	0.410	ug/L	1		6020B	Total Recoverable
Cadmium	0.248	J	0.700	0.237	ug/L	1		6020B	Total Recoverable
Copper	3.94		2.00	0.642	ug/L	1		6020B	Total Recoverable
Lead	1.38		1.00	0.864	ug/L	1		6020B	Total Recoverable
Manganese	199		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	2.54	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	1.83	J	5.00	1.22	ug/L	1		6020B	Total Recoverable
Zinc	13.0		10.0	8.91	ug/L	1		6020B	Total Recoverable
Mercury	0.267		0.200	0.166	ug/L	1		7470A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SW-5 (Continued)
Lab Sample ID: 400-275302-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ammonia (as N)	0.0970		0.0500	0.0460	mg/L	1		350.1	Total/NA

Client Sample ID: SW-6
Lab Sample ID: 400-275302-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12.5	J	25.0	10.0	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.752	J	1.00	0.200	ug/L	1		8260D	Total/NA
Caprolactam	2.75	J	9.97	2.39	ug/L	1		8270E	Total/NA
Nitrate as N	0.403		0.100	0.0630	mg/L	1		9056A	Total/NA
Sulfate	30.5		1.00	0.390	mg/L	1		9056A	Total/NA
Arsenic	2.65	J	5.00	1.32	ug/L	1		6020B	Total Recoverable
Barium	66.7		10.0	0.410	ug/L	1		6020B	Total Recoverable
Chromium	8.50		5.00	3.69	ug/L	1		6020B	Total Recoverable
Cobalt	3.55	J	5.00	0.411	ug/L	1		6020B	Total Recoverable
Copper	19.8		2.00	0.642	ug/L	1		6020B	Total Recoverable
Lead	22.2		1.00	0.864	ug/L	1		6020B	Total Recoverable
Manganese	213		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	8.55		5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	12.0		5.00	1.22	ug/L	1		6020B	Total Recoverable
Zinc	69.2		10.0	8.91	ug/L	1		6020B	Total Recoverable
Mercury	0.184	J	0.200	0.166	ug/L	1		7470A	Total/NA
Ammonia (as N)	0.192		0.0500	0.0460	mg/L	1		350.1	Total/NA

Client Sample ID: SW-7
Lab Sample ID: 400-275302-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.11		1.00	0.200	ug/L	1		8260D	Total/NA
Trichloroethene	0.348	J	1.00	0.150	ug/L	1		8260D	Total/NA
Nitrate as N	0.375		0.100	0.0630	mg/L	1		9056A	Total/NA
Sulfate	8.08		1.00	0.390	mg/L	1		9056A	Total/NA
Arsenic	2.42	J	5.00	1.32	ug/L	1		6020B	Total Recoverable
Barium	59.4		10.0	0.410	ug/L	1		6020B	Total Recoverable
Chromium	5.11		5.00	3.69	ug/L	1		6020B	Total Recoverable
Cobalt	1.56	J	5.00	0.411	ug/L	1		6020B	Total Recoverable
Copper	15.4		2.00	0.642	ug/L	1		6020B	Total Recoverable
Lead	11.9		1.00	0.864	ug/L	1		6020B	Total Recoverable
Manganese	124		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	5.35		5.00	0.422	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: SW-7 (Continued) — Lab Sample ID: 400-275302-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	7.46		5.00	1.22	ug/L	1		6020B	Total Recoverable
Zinc	54.3		10.0	8.91	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	0.137		0.0500	0.0460	mg/L	1		350.1	Total/NA

Client Sample ID: SW-8 — Lab Sample ID: 400-275302-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.16		1.00	0.200	ug/L	1		8260D	Total/NA
Trichloroethene	0.343	J	1.00	0.150	ug/L	1		8260D	Total/NA
Nitrate as N	0.369		0.100	0.0630	mg/L	1		9056A	Total/NA
Sulfate	8.74		1.00	0.390	mg/L	1		9056A	Total/NA
Arsenic	2.26	J	5.00	1.32	ug/L	1		6020B	Total Recoverable
Barium	55.4		10.0	0.410	ug/L	1		6020B	Total Recoverable
Chromium	5.22		5.00	3.69	ug/L	1		6020B	Total Recoverable
Cobalt	1.22	J	5.00	0.411	ug/L	1		6020B	Total Recoverable
Copper	12.8		2.00	0.642	ug/L	1		6020B	Total Recoverable
Lead	7.46		1.00	0.864	ug/L	1		6020B	Total Recoverable
Manganese	99.9		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	4.93	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	7.62		5.00	1.22	ug/L	1		6020B	Total Recoverable
Zinc	40.9		10.0	8.91	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	0.126		0.0500	0.0460	mg/L	1		350.1	Total/NA

Client Sample ID: SW-9 — Lab Sample ID: 400-275302-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.05		1.00	0.200	ug/L	1		8260D	Total/NA
Trichloroethene	0.271	J	1.00	0.150	ug/L	1		8260D	Total/NA
Nitrate as N	0.381		0.100	0.0630	mg/L	1		9056A	Total/NA
Sulfate	9.24		1.00	0.390	mg/L	1		9056A	Total/NA
Arsenic	1.99	J	5.00	1.32	ug/L	1		6020B	Total Recoverable
Barium	56.6		10.0	0.410	ug/L	1		6020B	Total Recoverable
Chromium	3.77	J	5.00	3.69	ug/L	1		6020B	Total Recoverable
Cobalt	1.04	J	5.00	0.411	ug/L	1		6020B	Total Recoverable
Copper	12.1		2.00	0.642	ug/L	1		6020B	Total Recoverable
Lead	6.51		1.00	0.864	ug/L	1		6020B	Total Recoverable
Manganese	99.2		5.00	1.29	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SW-9 (Continued) — Lab Sample ID: 400-275302-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	4.48	J	5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	6.20		5.00	1.22	ug/L	1		6020B	Total Recoverable
Zinc	49.5		10.0	8.91	ug/L	1		6020B	Total Recoverable
Ammonia (as N)	0.123		0.0500	0.0460	mg/L	1		350.1	Total/NA

Client Sample ID: SW-DUP-1 — Lab Sample ID: 400-275302-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	14.1	J	25.0	10.0	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.770	J	1.00	0.200	ug/L	1		8260D	Total/NA
Nitrate as N	0.326		0.100	0.0630	mg/L	1		9056A	Total/NA
Sulfate	17.4		1.00	0.390	mg/L	1		9056A	Total/NA
Arsenic	2.80	J	5.00	1.32	ug/L	1		6020B	Total Recoverable
Barium	59.4		10.0	0.410	ug/L	1		6020B	Total Recoverable
Chromium	7.12		5.00	3.69	ug/L	1		6020B	Total Recoverable
Cobalt	2.72	J	5.00	0.411	ug/L	1		6020B	Total Recoverable
Copper	17.4		2.00	0.642	ug/L	1		6020B	Total Recoverable
Lead	19.8		1.00	0.864	ug/L	1		6020B	Total Recoverable
Manganese	175		5.00	1.29	ug/L	1		6020B	Total Recoverable
Nickel	6.79		5.00	0.422	ug/L	1		6020B	Total Recoverable
Vanadium	10.3		5.00	1.22	ug/L	1		6020B	Total Recoverable
Zinc	62.6		10.0	8.91	ug/L	1		6020B	Total Recoverable
Mercury	0.245		0.200	0.166	ug/L	1		7470A	Total/NA
Ammonia (as N)	0.205		0.0500	0.0460	mg/L	1		350.1	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 400-275302-21

No Detections.

This Detection Summary does not include radiochemical test results.

Sample Summary

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-275302-1	SED-1	Solid	05/05/25 16:00	05/06/25 09:35
400-275302-2	SED-2	Solid	05/05/25 15:30	05/06/25 09:35
400-275302-3	SED-3	Solid	05/05/25 15:00	05/06/25 09:35
400-275302-4	SED-4	Solid	05/05/25 14:30	05/06/25 09:35
400-275302-5	SED-5	Solid	05/05/25 11:40	05/06/25 09:35
400-275302-6	SED-6	Solid	05/05/25 13:30	05/06/25 09:35
400-275302-7	SED-7	Solid	05/05/25 17:30	05/06/25 09:35
400-275302-8	SED-8	Solid	05/05/25 18:00	05/06/25 09:35
400-275302-9	SED-9	Solid	05/05/25 18:30	05/06/25 09:35
400-275302-10	SED-DUP-1	Solid	05/05/25 00:00	05/06/25 09:35
400-275302-11	SW-1	Water	05/05/25 16:00	05/06/25 09:35
400-275302-12	SW-2	Water	05/05/25 15:30	05/06/25 09:35
400-275302-13	SW-3	Water	05/05/25 15:00	05/06/25 09:35
400-275302-14	SW-4	Water	05/05/25 14:30	05/06/25 09:35
400-275302-15	SW-5	Water	05/05/25 11:40	05/06/25 09:35
400-275302-16	SW-6	Water	05/05/25 13:30	05/06/25 09:35
400-275302-17	SW-7	Water	05/05/25 17:30	05/06/25 09:35
400-275302-18	SW-8	Water	05/05/25 18:00	05/06/25 09:35
400-275302-19	SW-9	Water	05/05/25 18:30	05/06/25 09:35
400-275302-20	SW-DUP-1	Water	05/05/25 00:00	05/06/25 09:35
400-275302-21	TRIP BLANK	Water	05/05/25 00:00	05/06/25 09:35

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SED-1
Lab Sample ID: 400-275302-1
Date Collected: 05/05/25 16:00
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 73.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.0201**	**J**	0.0267	0.0128	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
Benzene	ND		0.00533	0.000715	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
Bromobenzene	ND		0.00533	0.00139	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
Chlorobromomethane	ND		0.00533	0.000864	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
Dichlorobromomethane	ND		0.00533	0.000981	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
Bromoform	ND		0.00533	0.00139	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
Bromomethane	ND		0.00533	0.00267	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
2-Butanone (MEK)	ND		0.0267	0.00640	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
n-Butylbenzene	ND		0.00533	0.00102	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
sec-Butylbenzene	ND		0.00533	0.00101	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
tert-Butylbenzene	ND		0.00533	0.00117	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
Carbon disulfide	ND		0.00533	0.00270	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
Carbon tetrachloride	ND		0.00533	0.00181	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
Chlorobenzene	ND		0.00533	0.00141	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
Chloroethane	ND		0.00533	0.00352	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
Chloroform	ND		0.00533	0.00145	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
Chloromethane	ND		0.00533	0.00236	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
2-Chlorotoluene	ND		0.00533	0.00177	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
4-Chlorotoluene	ND		0.00533	0.00105	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
Chlorodibromomethane	ND		0.00533	0.00128	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
1,2-Dibromo-3-Chloropropane	ND		0.00533	0.00352	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
Ethylene Dibromide	ND		0.00533	0.00107	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
Dibromomethane	ND		0.00533	0.000885	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
1,2-Dichlorobenzene	ND		0.00533	0.00170	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
1,3-Dichlorobenzene	ND		0.00533	0.00101	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
1,4-Dichlorobenzene	ND		0.00533	0.000917	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
trans-1,4-Dichloro-2-butene	ND		0.00533	0.00267	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
1,1-Dichloroethane	ND		0.00533	0.000885	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
1,2-Dichloroethane	ND		0.00533	0.00196	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
cis-1,2-Dichloroethene	ND		0.00533	0.000811	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
trans-1,2-Dichloroethene	ND		0.00533	0.00102	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
1,1-Dichloroethene	ND		0.00533	0.00224	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
1,2-Dichloropropane	ND		0.00533	0.000811	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
1,3-Dichloropropane	ND		0.00533	0.00107	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
2,2-Dichloropropane	ND		0.00533	0.00117	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
1,1-Dichloropropene	ND		0.00533	0.000885	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
cis-1,3-Dichloropropene	ND		0.00533	0.00128	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
trans-1,3-Dichloropropene	ND		0.00533	0.00117	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
Ethylbenzene	ND		0.00533	0.000651	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
Hexachlorobutadiene	ND	*+	0.00533	0.00267	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
2-Hexanone	ND		0.0267	0.00533	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
Iodomethane	ND		0.00533	0.00363	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
Isopropylbenzene	ND		0.00533	0.000725	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
4-Isopropyltoluene	ND		0.00533	0.00107	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
Methylene Chloride	ND		0.0160	0.0107	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
4-Methyl-2-pentanone (MIBK)	ND		0.0267	0.0143	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
Methyl tert-butyl ether	ND		0.00533	0.00107	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
Naphthalene	ND		0.00533	0.00320	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
N-Propylbenzene	ND		0.00533	0.000960	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1

Client Sample ID: SED-1
Lab Sample ID: 400-275302-1
Date Collected: 05/05/25 16:00
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 73.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00533	0.00107	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
1,1,1,2-Tetrachloroethane	ND		0.00533	0.00117	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
1,1,2,2-Tetrachloroethane	ND		0.00533	0.00183	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
Tetrachloroethene	ND		0.00533	0.00320	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
Toluene	ND		0.00533	0.00107	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
1,2,3-Trichlorobenzene	ND		0.00533	0.00117	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
1,2,4-Trichlorobenzene	ND		0.00533	0.00214	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
1,1,1-Trichloroethane	ND		0.00533	0.00117	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
1,1,2-Trichloroethane	ND		0.00533	0.00172	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
Trichloroethene	ND		0.00533	0.00107	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
Trichlorofluoromethane	ND		0.00533	0.00258	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
1,2,3-Trichloropropane	ND		0.00533	0.00222	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00533	0.00201	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
1,2,4-Trimethylbenzene	ND		0.00533	0.00107	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
1,3,5-Trimethylbenzene	ND		0.00533	0.000885	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
Vinyl acetate	ND		0.0267	0.00680	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
Vinyl chloride	ND		0.00533	0.00232	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
o-Xylene	ND		0.00533	0.00320	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
m-Xylene & p-Xylene	ND		0.00533	0.00320	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
Xylenes, Total	ND		0.0107	0.00640	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
Isopropyl ether	ND		0.00533	0.00147	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
Hexane	ND		0.00533	0.00277	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
n-Heptane	ND		0.00533	0.00308	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1
Ethyl acetate	ND		0.0213	0.00533	mg/Kg	☼	05/17/25 10:32	05/17/25 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*50 - 150*	*05/17/25 10:32*	*05/17/25 14:43*	*1*
Dibromofluoromethane	*115*		*50 - 150*	*05/17/25 10:32*	*05/17/25 14:43*	*1*
Toluene-d8 (Surr)	*102*		*50 - 150*	*05/17/25 10:32*	*05/17/25 14:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*50 - 150*	*05/17/25 10:32*	*05/17/25 14:43*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.00794	0.00794	mg/Kg	☼	05/09/25 07:00	05/12/25 20:57	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*53*		*10 - 150*	*05/09/25 07:00*	*05/12/25 20:57*	*5*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		2.17	0.545	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
2,4,5-Trichlorophenol	ND		2.17	0.663	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
2,4,6-Trichlorophenol	ND		2.17	0.690	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
2,4-Dichlorophenol	ND		2.17	0.460	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
2,4-Dimethylphenol	ND		2.17	0.617	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
2,4-Dinitrophenol	ND	F1 *+	6.50	1.90	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
2,4-Dinitrotoluene	ND		2.17	0.663	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
2-Chlorophenol	ND		2.17	0.795	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
2-Chloronaphthalene	ND		2.17	0.506	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
2-Methylnaphthalene	ND		2.17	0.716	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
2-Methylphenol	ND		2.17	0.526	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5

Client Sample ID: SED-1
Lab Sample ID: 400-275302-1
Date Collected: 05/05/25 16:00
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 73.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		2.17	0.460	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
2-Nitrophenol	ND		2.17	0.775	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
3 & 4 Methylphenol	ND		4.34	0.506	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
3,3'-Dichlorobenzidine	ND		2.17	0.723	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
3-Nitroaniline	ND		2.17	0.512	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
4,6-Dinitro-2-methylphenol	ND	*+	2.17	1.58	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
4-Bromophenyl phenyl ether	ND		2.17	0.690	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
4-Chloro-3-methylphenol	ND		2.17	0.532	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
4-Chloroaniline	ND		2.17	0.532	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
4-Chlorophenyl phenyl ether	ND		2.17	0.217	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
4-Nitroaniline	ND	*+	2.17	0.742	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Acenaphthene	ND		2.17	0.532	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Acenaphthylene	ND		2.17	0.578	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Acetophenone	ND		2.17	0.617	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Anthracene	ND		2.17	0.512	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Benzo[a]anthracene	ND		2.17	0.578	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Benzo[a]pyrene	ND		2.17	0.309	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Benzo[b]fluoranthene	ND		2.17	0.650	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Benzo[g,h,i]perylene	ND		2.17	0.723	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Benzo[k]fluoranthene	ND		2.17	0.512	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Bis(2-chloroethoxy)methane	ND		2.17	0.480	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Bis(2-chloroethyl)ether	ND		2.17	0.709	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Bis(2-ethylhexyl) phthalate	ND		2.17	0.532	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Chrysene	ND		2.17	0.696	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Dibenz(a,h)anthracene	ND		2.17	0.834	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Dibenzofuran	ND		2.17	0.545	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Di-n-butyl phthalate	ND		2.17	0.637	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Diethyl phthalate	ND		2.17	0.696	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Dimethyl phthalate	ND		2.17	0.585	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Di-n-octyl phthalate	ND		2.17	0.788	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Fluoranthene	**0.977**	**J**	2.17	0.480	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Fluorene	ND		2.17	0.591	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Hexachlorobenzene	ND		2.17	0.657	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Hexachlorobutadiene	ND		2.17	0.913	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Hexachlorocyclopentadiene	ND	F1	2.17	0.434	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Hexachloroethane	ND		2.17	0.998	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Indeno[1,2,3-cd]pyrene	ND		2.17	0.874	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Isophorone	ND		2.17	0.440	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Naphthalene	ND		2.17	0.585	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Nitrobenzene	ND		2.17	0.644	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
N-Nitrosodiphenylamine	ND		2.17	0.552	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
N-Nitrosodi-n-propylamine	ND		2.17	0.690	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Pentachlorophenol	ND		4.34	1.05	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Phenanthrene	ND		2.17	0.532	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Phenol	ND		2.17	0.585	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Pyrene	**0.623**	**J**	2.17	0.512	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Butyl benzyl phthalate	ND		2.17	1.05	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
bis (2-chloroisopropyl) ether	ND		2.17	0.828	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Carbazole	ND		2.17	0.736	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5

Client Sample ID: SED-1
Date Collected: 05/05/25 16:00
Date Received: 05/06/25 09:35

Lab Sample ID: 400-275302-1
Matrix: Solid
Percent Solids: 73.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		2.17	0.677	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
4-Nitrophenol	ND		2.17	1.97	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Atrazine	ND		2.17	0.591	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Benzaldehyde	ND		2.17	0.880	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5
Caprolactam	ND		2.17	0.552	mg/Kg	☼	05/09/25 07:00	05/12/25 16:19	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*66*		*10 - 150*	*05/09/25 07:00*	*05/12/25 16:19*	*5*
2-Fluorobiphenyl (Surr)	*66*		*27 - 127*	*05/09/25 07:00*	*05/12/25 16:19*	*5*
2-Fluorophenol (Surr)	*48*		*25 - 128*	*05/09/25 07:00*	*05/12/25 16:19*	*5*
Terphenyl-d14 (Surr)	*63*		*24 - 146*	*05/09/25 07:00*	*05/12/25 16:19*	*5*
Phenol-d5 (Surr)	*51*		*29 - 130*	*05/09/25 07:00*	*05/12/25 16:19*	*5*
Nitrobenzene-d5 (Surr)	*51*		*15 - 136*	*05/09/25 07:00*	*05/12/25 16:19*	*5*

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		2.70	0.891	mg/Kg	☼		05/08/25 00:18	1
Sulfate	**25.3**	**J**	27.0	9.86	mg/Kg	☼		05/08/25 00:18	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.0154**	**J**	0.175	0.00203	mg/Kg	☼	05/16/25 09:07	05/19/25 18:42	5
Arsenic	**0.760**		0.419	0.0374	mg/Kg	☼	05/16/25 09:07	05/19/25 18:42	5
Chromium	**6.13**		0.698	0.144	mg/Kg	☼	05/16/25 09:07	05/19/25 18:42	5
Copper	**8.59**	**B**	0.349	0.0363	mg/Kg	☼	05/16/25 09:07	05/19/25 18:42	5
Cadmium	**0.0903**	**J**	0.349	0.0114	mg/Kg	☼	05/16/25 09:07	05/19/25 18:42	5
Cobalt	**4.22**		0.524	0.0198	mg/Kg	☼	05/16/25 09:07	05/19/25 18:42	5
Barium	**24.8**		1.75	0.00988	mg/Kg	☼	05/16/25 09:07	05/19/25 18:42	5
Beryllium	**0.141**	**J**	0.349	0.0245	mg/Kg	☼	05/16/25 09:07	05/19/25 18:42	5
Manganese	**168**		0.698	0.0430	mg/Kg	☼	05/16/25 09:07	05/19/25 18:42	5
Nickel	**11.8**		0.698	0.0183	mg/Kg	☼	05/16/25 09:07	05/19/25 18:42	5
Lead	**39.1**		0.349	0.0412	mg/Kg	☼	05/16/25 09:07	05/19/25 18:42	5
Antimony	ND		0.698	0.160	mg/Kg	☼	05/16/25 09:07	05/19/25 18:42	5
Selenium	ND		1.75	0.124	mg/Kg	☼	05/16/25 09:07	05/19/25 18:42	5
Thallium	ND		0.489	0.0294	mg/Kg	☼	05/16/25 09:07	05/19/25 18:42	5
Vanadium	**12.2**		0.698	0.0877	mg/Kg	☼	05/16/25 09:07	05/19/25 18:42	5
Zinc	**53.0**		1.75	1.45	mg/Kg	☼	05/16/25 09:07	05/19/25 18:42	5

Method: SW846 7473 - Mercury (AAS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.135	0.0566	mg/Kg	☼		05/08/25 12:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**73.9**		0.01	0.01	%			05/08/25 12:18	1
Percent Moisture (EPA Moisture)	**26.1**		0.01	0.01	%			05/08/25 12:18	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**1.10**	**J**	1.34	0.429	mg/Kg	☼		05/16/25 10:47	1

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SED-2
Lab Sample ID: 400-275302-2
Date Collected: 05/05/25 15:30
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 78.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0224	0.0108	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
Benzene	ND		0.00448	0.000601	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
Bromobenzene	ND		0.00448	0.00117	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
Chlorobromomethane	ND		0.00448	0.000726	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
Dichlorobromomethane	ND		0.00448	0.000825	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
Bromoform	ND		0.00448	0.00117	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
Bromomethane	ND		0.00448	0.00224	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
2-Butanone (MEK)	ND		0.0224	0.00538	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
n-Butylbenzene	ND		0.00448	0.000861	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
sec-Butylbenzene	ND		0.00448	0.000852	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
tert-Butylbenzene	ND		0.00448	0.000986	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
Carbon disulfide	ND		0.00448	0.00227	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
Carbon tetrachloride	ND		0.00448	0.00152	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
Chlorobenzene	ND		0.00448	0.00118	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
Chloroethane	ND		0.00448	0.00296	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
Chloroform	ND		0.00448	0.00122	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
Chloromethane	ND		0.00448	0.00198	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
2-Chlorotoluene	ND		0.00448	0.00149	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
4-Chlorotoluene	ND		0.00448	0.000879	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
Chlorodibromomethane	ND		0.00448	0.00108	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
1,2-Dibromo-3-Chloropropane	ND		0.00448	0.00296	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
Ethylene Dibromide	ND		0.00448	0.000897	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
Dibromomethane	ND		0.00448	0.000744	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
1,2-Dichlorobenzene	ND		0.00448	0.00143	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
1,3-Dichlorobenzene	ND		0.00448	0.000852	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
1,4-Dichlorobenzene	ND		0.00448	0.000771	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
trans-1,4-Dichloro-2-butene	ND		0.00448	0.00224	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
1,1-Dichloroethane	ND		0.00448	0.000744	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
1,2-Dichloroethane	ND		0.00448	0.00165	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
cis-1,2-Dichloroethene	ND		0.00448	0.000681	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
trans-1,2-Dichloroethene	ND		0.00448	0.000861	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
1,1-Dichloroethene	ND		0.00448	0.00188	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
1,2-Dichloropropane	ND		0.00448	0.000681	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
1,3-Dichloropropane	ND		0.00448	0.000897	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
2,2-Dichloropropane	ND		0.00448	0.000986	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
1,1-Dichloropropene	ND		0.00448	0.000744	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
cis-1,3-Dichloropropene	ND		0.00448	0.00108	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
trans-1,3-Dichloropropene	ND		0.00448	0.000986	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
Ethylbenzene	ND		0.00448	0.000547	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
Hexachlorobutadiene	ND	*+	0.00448	0.00224	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
2-Hexanone	ND		0.0224	0.00448	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
Iodomethane	ND		0.00448	0.00305	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
Isopropylbenzene	ND		0.00448	0.000610	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
4-Isopropyltoluene	ND		0.00448	0.000897	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
Methylene Chloride	ND		0.0134	0.00897	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
4-Methyl-2-pentanone (MIBK)	ND		0.0224	0.0120	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
Methyl tert-butyl ether	ND		0.00448	0.000897	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
Naphthalene	ND		0.00448	0.00269	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
N-Propylbenzene	ND		0.00448	0.000807	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1

Client Sample ID: SED-2
Date Collected: 05/05/25 15:30
Date Received: 05/06/25 09:35

Lab Sample ID: 400-275302-2
Matrix: Solid
Percent Solids: 78.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00448	0.000897	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
1,1,1,2-Tetrachloroethane	ND		0.00448	0.000986	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
1,1,2,2-Tetrachloroethane	ND		0.00448	0.00154	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
Tetrachloroethene	ND		0.00448	0.00269	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
Toluene	ND		0.00448	0.000897	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
1,2,3-Trichlorobenzene	ND		0.00448	0.000986	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
1,2,4-Trichlorobenzene	ND		0.00448	0.00180	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
1,1,1-Trichloroethane	ND		0.00448	0.000986	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
1,1,2-Trichloroethane	ND		0.00448	0.00144	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
Trichloroethene	ND		0.00448	0.000897	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
Trichlorofluoromethane	ND		0.00448	0.00217	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
1,2,3-Trichloropropane	ND		0.00448	0.00186	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00448	0.00169	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
1,2,4-Trimethylbenzene	ND		0.00448	0.000897	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
1,3,5-Trimethylbenzene	ND		0.00448	0.000744	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
Vinyl acetate	ND		0.0224	0.00572	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
Vinyl chloride	ND		0.00448	0.00195	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
o-Xylene	ND		0.00448	0.00269	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
m-Xylene & p-Xylene	ND		0.00448	0.00269	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
Xylenes, Total	ND		0.00897	0.00538	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
Isopropyl ether	ND		0.00448	0.00124	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
Hexane	ND		0.00448	0.00233	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
n-Heptane	ND		0.00448	0.00259	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1
Ethyl acetate	ND		0.0179	0.00448	mg/Kg	☼	05/17/25 10:32	05/17/25 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*50 - 150*	*05/17/25 10:32*	*05/17/25 15:04*	*1*
Dibromofluoromethane	*116*		*50 - 150*	*05/17/25 10:32*	*05/17/25 15:04*	*1*
Toluene-d8 (Surr)	*100*		*50 - 150*	*05/17/25 10:32*	*05/17/25 15:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*50 - 150*	*05/17/25 10:32*	*05/17/25 15:04*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.00757	0.00757	mg/Kg	☼	05/09/25 07:00	05/12/25 21:19	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*53*		*10 - 150*	*05/09/25 07:00*	*05/12/25 21:19*	*5*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		2.03	0.510	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
2,4,5-Trichlorophenol	ND		2.03	0.620	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
2,4,6-Trichlorophenol	ND		2.03	0.645	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
2,4-Dichlorophenol	ND		2.03	0.430	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
2,4-Dimethylphenol	ND		2.03	0.577	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
2,4-Dinitrophenol	ND	*+	6.08	1.78	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
2,4-Dinitrotoluene	ND		2.03	0.620	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
2-Chlorophenol	ND		2.03	0.743	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
2-Chloronaphthalene	ND		2.03	0.473	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
2-Methylnaphthalene	ND		2.03	0.669	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
2-Methylphenol	ND		2.03	0.491	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5

Client Sample ID: SED-2
Lab Sample ID: 400-275302-2
Date Collected: 05/05/25 15:30
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 78.5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		2.03	0.430	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
2-Nitrophenol	ND		2.03	0.725	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
3 & 4 Methylphenol	ND		4.05	0.473	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
3,3'-Dichlorobenzidine	ND		2.03	0.675	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
3-Nitroaniline	ND		2.03	0.479	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
4,6-Dinitro-2-methylphenol	ND	*+	2.03	1.47	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
4-Bromophenyl phenyl ether	ND		2.03	0.645	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
4-Chloro-3-methylphenol	ND		2.03	0.497	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
4-Chloroaniline	ND		2.03	0.497	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
4-Chlorophenyl phenyl ether	ND		2.03	0.203	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
4-Nitroaniline	ND	*+	2.03	0.694	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Acenaphthene	ND		2.03	0.497	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Acenaphthylene	ND		2.03	0.540	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Acetophenone	ND		2.03	0.577	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Anthracene	ND		2.03	0.479	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Benzo[a]anthracene	ND		2.03	0.540	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Benzo[a]pyrene	ND		2.03	0.289	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Benzo[b]fluoranthene	ND		2.03	0.608	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Benzo[g,h,i]perylene	ND		2.03	0.675	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Benzo[k]fluoranthene	ND		2.03	0.479	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Bis(2-chloroethoxy)methane	ND		2.03	0.448	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Bis(2-chloroethyl)ether	ND		2.03	0.663	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Bis(2-ethylhexyl) phthalate	ND		2.03	0.497	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Chrysene	ND		2.03	0.651	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Dibenz(a,h)anthracene	ND		2.03	0.780	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Dibenzofuran	ND		2.03	0.510	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Di-n-butyl phthalate	ND		2.03	0.596	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Diethyl phthalate	ND		2.03	0.651	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Dimethyl phthalate	ND		2.03	0.546	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Di-n-octyl phthalate	ND		2.03	0.737	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Fluoranthene	**0.594**	**J**	2.03	0.448	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Fluorene	ND		2.03	0.553	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Hexachlorobenzene	ND		2.03	0.614	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Hexachlorobutadiene	ND		2.03	0.853	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Hexachlorocyclopentadiene	ND		2.03	0.405	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Hexachloroethane	ND		2.03	0.933	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Indeno[1,2,3-cd]pyrene	ND		2.03	0.817	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Isophorone	ND		2.03	0.411	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Naphthalene	ND		2.03	0.546	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Nitrobenzene	ND		2.03	0.602	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
N-Nitrosodiphenylamine	ND		2.03	0.516	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
N-Nitrosodi-n-propylamine	ND		2.03	0.645	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Pentachlorophenol	ND		4.05	0.982	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Phenanthrene	ND		2.03	0.497	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Phenol	ND		2.03	0.546	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Pyrene	**0.482**	**J**	2.03	0.479	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Butyl benzyl phthalate	ND		2.03	0.982	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
bis (2-chloroisopropyl) ether	ND		2.03	0.774	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Carbazole	ND		2.03	0.688	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5

Client Sample ID: SED-2
Date Collected: 05/05/25 15:30
Date Received: 05/06/25 09:35

Lab Sample ID: 400-275302-2
Matrix: Solid
Percent Solids: 78.5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		2.03	0.632	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
4-Nitrophenol	ND		2.03	1.84	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Atrazine	ND		2.03	0.553	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Benzaldehyde	ND		2.03	0.823	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5
Caprolactam	ND		2.03	0.516	mg/Kg	☼	05/09/25 07:00	05/12/25 16:47	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*10 - 150*	*05/09/25 07:00*	*05/12/25 16:47*	*5*
2-Fluorobiphenyl (Surr)	*83*		*27 - 127*	*05/09/25 07:00*	*05/12/25 16:47*	*5*
2-Fluorophenol (Surr)	*60*		*25 - 128*	*05/09/25 07:00*	*05/12/25 16:47*	*5*
Terphenyl-d14 (Surr)	*79*		*24 - 146*	*05/09/25 07:00*	*05/12/25 16:47*	*5*
Phenol-d5 (Surr)	*64*		*29 - 130*	*05/09/25 07:00*	*05/12/25 16:47*	*5*
Nitrobenzene-d5 (Surr)	*62*		*15 - 136*	*05/09/25 07:00*	*05/12/25 16:47*	*5*

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		2.53	0.836	mg/Kg	☼		05/08/25 00:27	1
Sulfate	**20.2**	**J**	25.3	9.24	mg/Kg	☼		05/08/25 00:27	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.0124**	**J**	0.163	0.00189	mg/Kg	☼	05/16/25 09:07	05/19/25 18:44	5
Arsenic	**0.990**		0.391	0.0349	mg/Kg	☼	05/16/25 09:07	05/19/25 18:44	5
Chromium	**15.3**		0.652	0.134	mg/Kg	☼	05/16/25 09:07	05/19/25 18:44	5
Copper	**13.9**	**B**	0.326	0.0339	mg/Kg	☼	05/16/25 09:07	05/19/25 18:44	5
Cadmium	**0.0925**	**J**	0.326	0.0106	mg/Kg	☼	05/16/25 09:07	05/19/25 18:44	5
Cobalt	**3.60**		0.489	0.0185	mg/Kg	☼	05/16/25 09:07	05/19/25 18:44	5
Barium	**24.9**		1.63	0.00923	mg/Kg	☼	05/16/25 09:07	05/19/25 18:44	5
Beryllium	**0.216**	**J**	0.326	0.0229	mg/Kg	☼	05/16/25 09:07	05/19/25 18:44	5
Manganese	**113**		0.652	0.0401	mg/Kg	☼	05/16/25 09:07	05/19/25 18:44	5
Nickel	**9.96**		0.652	0.0171	mg/Kg	☼	05/16/25 09:07	05/19/25 18:44	5
Lead	**20.6**		0.326	0.0385	mg/Kg	☼	05/16/25 09:07	05/19/25 18:44	5
Antimony	**0.150**	**J**	0.652	0.149	mg/Kg	☼	05/16/25 09:07	05/19/25 18:44	5
Selenium	ND		1.63	0.116	mg/Kg	☼	05/16/25 09:07	05/19/25 18:44	5
Thallium	ND		0.457	0.0275	mg/Kg	☼	05/16/25 09:07	05/19/25 18:44	5
Vanadium	**16.1**		0.652	0.0819	mg/Kg	☼	05/16/25 09:07	05/19/25 18:44	5
Zinc	**49.7**		1.63	1.35	mg/Kg	☼	05/16/25 09:07	05/19/25 18:44	5

Method: SW846 7473 - Mercury (AAS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.127	0.0532	mg/Kg	☼		05/08/25 12:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**78.5**		0.01	0.01	%			05/08/25 12:18	1
Percent Moisture (EPA Moisture)	**21.5**		0.01	0.01	%			05/08/25 12:18	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.25	0.399	mg/Kg	☼		05/16/25 10:55	1

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SED-3
Lab Sample ID: 400-275302-3
Date Collected: 05/05/25 15:00
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 69.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.0269**	**J**	0.0282	0.0135	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
Benzene	ND		0.00564	0.000756	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
Bromobenzene	ND		0.00564	0.00147	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
Chlorobromomethane	ND		0.00564	0.000914	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
Dichlorobromomethane	ND		0.00564	0.00104	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
Bromoform	ND		0.00564	0.00147	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
Bromomethane	ND		0.00564	0.00282	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
2-Butanone (MEK)	ND		0.0282	0.00677	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
n-Butylbenzene	ND		0.00564	0.00108	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
sec-Butylbenzene	ND		0.00564	0.00107	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
tert-Butylbenzene	ND		0.00564	0.00124	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
Carbon disulfide	ND		0.00564	0.00285	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
Carbon tetrachloride	ND		0.00564	0.00192	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
Chlorobenzene	ND		0.00564	0.00149	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
Chloroethane	ND		0.00564	0.00372	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
Chloroform	ND		0.00564	0.00153	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
Chloromethane	ND		0.00564	0.00249	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
2-Chlorotoluene	ND		0.00564	0.00187	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
4-Chlorotoluene	ND		0.00564	0.00111	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
Chlorodibromomethane	ND		0.00564	0.00135	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
1,2-Dibromo-3-Chloropropane	ND		0.00564	0.00372	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
Ethylene Dibromide	ND		0.00564	0.00113	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
Dibromomethane	ND		0.00564	0.000936	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
1,2-Dichlorobenzene	ND		0.00564	0.00179	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
1,3-Dichlorobenzene	ND		0.00564	0.00107	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
1,4-Dichlorobenzene	ND		0.00564	0.000970	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
trans-1,4-Dichloro-2-butene	ND		0.00564	0.00282	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
1,1-Dichloroethane	ND		0.00564	0.000936	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
1,2-Dichloroethane	ND		0.00564	0.00208	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
cis-1,2-Dichloroethene	ND		0.00564	0.000857	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
trans-1,2-Dichloroethene	ND		0.00564	0.00108	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
1,1-Dichloroethene	ND		0.00564	0.00237	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
1,2-Dichloropropane	ND		0.00564	0.000857	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
1,3-Dichloropropane	ND		0.00564	0.00113	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
2,2-Dichloropropane	ND		0.00564	0.00124	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
1,1-Dichloropropene	ND		0.00564	0.000936	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
cis-1,3-Dichloropropene	ND		0.00564	0.00135	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
trans-1,3-Dichloropropene	ND		0.00564	0.00124	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
Ethylbenzene	ND		0.00564	0.000688	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
Hexachlorobutadiene	ND	*+	0.00564	0.00282	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
2-Hexanone	ND		0.0282	0.00564	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
Iodomethane	ND		0.00564	0.00384	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
Isopropylbenzene	ND		0.00564	0.000767	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
4-Isopropyltoluene	ND		0.00564	0.00113	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
Methylene Chloride	ND		0.0169	0.0113	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
4-Methyl-2-pentanone (MIBK)	ND		0.0282	0.0151	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
Methyl tert-butyl ether	ND		0.00564	0.00113	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
Naphthalene	ND		0.00564	0.00338	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
N-Propylbenzene	ND		0.00564	0.00102	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1

Client Sample ID: SED-3
Lab Sample ID: 400-275302-3
Date Collected: 05/05/25 15:00
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 69.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00564	0.00113	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
1,1,1,2-Tetrachloroethane	ND		0.00564	0.00124	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
1,1,2,2-Tetrachloroethane	ND		0.00564	0.00194	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
Tetrachloroethene	ND		0.00564	0.00338	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
Toluene	ND		0.00564	0.00113	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
1,2,3-Trichlorobenzene	ND		0.00564	0.00124	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
1,2,4-Trichlorobenzene	ND		0.00564	0.00227	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
1,1,1-Trichloroethane	ND		0.00564	0.00124	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
1,1,2-Trichloroethane	ND		0.00564	0.00182	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
Trichloroethene	ND		0.00564	0.00113	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
Trichlorofluoromethane	ND		0.00564	0.00273	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
1,2,3-Trichloropropane	ND		0.00564	0.00235	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00564	0.00212	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
1,2,4-Trimethylbenzene	ND		0.00564	0.00113	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
1,3,5-Trimethylbenzene	ND		0.00564	0.000936	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
Vinyl acetate	ND		0.0282	0.00720	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
Vinyl chloride	ND		0.00564	0.00246	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
o-Xylene	ND		0.00564	0.00338	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
m-Xylene & p-Xylene	ND		0.00564	0.00338	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
Xylenes, Total	ND		0.0113	0.00677	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
Isopropyl ether	ND		0.00564	0.00156	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
Hexane	ND		0.00564	0.00293	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
n-Heptane	ND		0.00564	0.00326	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1
Ethyl acetate	ND		0.0226	0.00564	mg/Kg	☼	05/17/25 10:32	05/17/25 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*50 - 150*	*05/17/25 10:32*	*05/17/25 15:24*	*1*
Dibromofluoromethane	*110*		*50 - 150*	*05/17/25 10:32*	*05/17/25 15:24*	*1*
Toluene-d8 (Surr)	*101*		*50 - 150*	*05/17/25 10:32*	*05/17/25 15:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*50 - 150*	*05/17/25 10:32*	*05/17/25 15:24*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.00820	0.00820	mg/Kg	☼	05/09/25 07:00	05/12/25 21:40	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*51*		*10 - 150*	*05/09/25 07:00*	*05/12/25 21:40*	*5*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		2.30	0.578	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
2,4,5-Trichlorophenol	ND		2.30	0.703	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
2,4,6-Trichlorophenol	ND		2.30	0.731	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
2,4-Dichlorophenol	ND		2.30	0.487	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
2,4-Dimethylphenol	ND		2.30	0.655	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
2,4-Dinitrophenol	ND	*+	6.89	2.02	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
2,4-Dinitrotoluene	ND		2.30	0.703	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
2-Chlorophenol	ND		2.30	0.843	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
2-Chloronaphthalene	ND		2.30	0.536	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
2-Methylnaphthalene	ND		2.30	0.759	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
2-Methylphenol	ND		2.30	0.557	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5

Client Sample ID: SED-3
Lab Sample ID: 400-275302-3
Date Collected: 05/05/25 15:00
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 69.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		2.30	0.487	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
2-Nitrophenol	ND		2.30	0.822	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
3 & 4 Methylphenol	ND		4.60	0.536	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
3,3'-Dichlorobenzidine	ND		2.30	0.766	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
3-Nitroaniline	ND		2.30	0.543	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
4,6-Dinitro-2-methylphenol	ND	*+	2.30	1.67	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
4-Bromophenyl phenyl ether	ND		2.30	0.731	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
4-Chloro-3-methylphenol	ND		2.30	0.564	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
4-Chloroaniline	ND		2.30	0.564	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
4-Chlorophenyl phenyl ether	ND		2.30	0.230	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
4-Nitroaniline	ND	*+	2.30	0.787	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Acenaphthene	ND		2.30	0.564	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Acenaphthylene	ND		2.30	0.613	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Acetophenone	ND		2.30	0.655	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Anthracene	ND		2.30	0.543	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Benzo[a]anthracene	ND		2.30	0.613	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Benzo[a]pyrene	ND		2.30	0.327	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Benzo[b]fluoranthene	ND		2.30	0.689	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Benzo[g,h,i]perylene	ND		2.30	0.766	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Benzo[k]fluoranthene	ND		2.30	0.543	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Bis(2-chloroethoxy)methane	ND		2.30	0.508	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Bis(2-chloroethyl)ether	ND		2.30	0.752	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Bis(2-ethylhexyl) phthalate	ND		2.30	0.564	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Chrysene	ND		2.30	0.738	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Dibenz(a,h)anthracene	ND		2.30	0.884	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Dibenzofuran	ND		2.30	0.578	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Di-n-butyl phthalate	ND		2.30	0.675	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Diethyl phthalate	ND		2.30	0.738	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Dimethyl phthalate	ND		2.30	0.620	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Di-n-octyl phthalate	ND		2.30	0.836	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Fluoranthene	**0.786**	**J**	2.30	0.508	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Fluorene	ND		2.30	0.627	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Hexachlorobenzene	ND		2.30	0.696	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Hexachlorobutadiene	ND		2.30	0.968	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Hexachlorocyclopentadiene	ND		2.30	0.460	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Hexachloroethane	ND		2.30	1.06	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Indeno[1,2,3-cd]pyrene	ND		2.30	0.926	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Isophorone	ND		2.30	0.467	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Naphthalene	ND		2.30	0.620	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Nitrobenzene	ND		2.30	0.682	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
N-Nitrosodiphenylamine	ND		2.30	0.585	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
N-Nitrosodi-n-propylamine	ND		2.30	0.731	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Pentachlorophenol	ND		4.60	1.11	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Phenanthrene	ND		2.30	0.564	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Phenol	ND		2.30	0.620	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Pyrene	ND		2.30	0.543	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Butyl benzyl phthalate	ND		2.30	1.11	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
bis (2-chloroisopropyl) ether	ND		2.30	0.877	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Carbazole	ND		2.30	0.780	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5

Client Sample ID: SED-3
Date Collected: 05/05/25 15:00
Date Received: 05/06/25 09:35

Lab Sample ID: 400-275302-3
Matrix: Solid
Percent Solids: 69.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		2.30	0.717	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
4-Nitrophenol	ND		2.30	2.09	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Atrazine	ND		2.30	0.627	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Benzaldehyde	ND		2.30	0.933	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5
Caprolactam	ND		2.30	0.585	mg/Kg	☼	05/09/25 07:00	05/12/25 17:14	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*10 - 150*	*05/09/25 07:00*	*05/12/25 17:14*	*5*
2-Fluorobiphenyl (Surr)	*71*		*27 - 127*	*05/09/25 07:00*	*05/12/25 17:14*	*5*
2-Fluorophenol (Surr)	*54*		*25 - 128*	*05/09/25 07:00*	*05/12/25 17:14*	*5*
Terphenyl-d14 (Surr)	*69*		*24 - 146*	*05/09/25 07:00*	*05/12/25 17:14*	*5*
Phenol-d5 (Surr)	*54*		*29 - 130*	*05/09/25 07:00*	*05/12/25 17:14*	*5*
Nitrobenzene-d5 (Surr)	*54*		*15 - 136*	*05/09/25 07:00*	*05/12/25 17:14*	*5*

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		2.88	0.951	mg/Kg	☼		05/08/25 00:35	1
Sulfate	**13.1**	**J**	28.8	10.5	mg/Kg	☼		05/08/25 00:35	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.0262**	**J**	0.203	0.00235	mg/Kg	☼	05/16/25 09:07	05/19/25 18:47	5
Arsenic	**1.16**		0.487	0.0434	mg/Kg	☼	05/16/25 09:07	05/19/25 18:47	5
Chromium	**8.88**		0.812	0.167	mg/Kg	☼	05/16/25 09:07	05/19/25 18:47	5
Copper	**10.8**	**B**	0.406	0.0422	mg/Kg	☼	05/16/25 09:07	05/19/25 18:47	5
Cadmium	**0.0597**	**J**	0.406	0.0132	mg/Kg	☼	05/16/25 09:07	05/19/25 18:47	5
Cobalt	**4.19**		0.609	0.0230	mg/Kg	☼	05/16/25 09:07	05/19/25 18:47	5
Barium	**38.7**		2.03	0.0115	mg/Kg	☼	05/16/25 09:07	05/19/25 18:47	5
Beryllium	**0.186**	**J**	0.406	0.0285	mg/Kg	☼	05/16/25 09:07	05/19/25 18:47	5
Manganese	**125**		0.812	0.0499	mg/Kg	☼	05/16/25 09:07	05/19/25 18:47	5
Nickel	**13.8**		0.812	0.0212	mg/Kg	☼	05/16/25 09:07	05/19/25 18:47	5
Lead	**41.5**		0.406	0.0479	mg/Kg	☼	05/16/25 09:07	05/19/25 18:47	5
Antimony	**0.224**	**J**	0.812	0.186	mg/Kg	☼	05/16/25 09:07	05/19/25 18:47	5
Selenium	ND		2.03	0.144	mg/Kg	☼	05/16/25 09:07	05/19/25 18:47	5
Thallium	**0.0402**	**J**	0.568	0.0342	mg/Kg	☼	05/16/25 09:07	05/19/25 18:47	5
Vanadium	**17.9**		0.812	0.102	mg/Kg	☼	05/16/25 09:07	05/19/25 18:47	5
Zinc	**51.2**		2.03	1.69	mg/Kg	☼	05/16/25 09:07	05/19/25 18:47	5

Method: SW846 7473 - Mercury (AAS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.144	0.0602	mg/Kg	☼		05/08/25 12:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**69.4**		0.01	0.01	%			05/08/25 12:18	1
Percent Moisture (EPA Moisture)	**30.6**		0.01	0.01	%			05/08/25 12:18	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.41	0.451	mg/Kg	☼		05/16/25 10:57	1

Client Sample ID: SED-4
Date Collected: 05/05/25 14:30
Date Received: 05/06/25 09:35

Lab Sample ID: 400-275302-4
Matrix: Solid
Percent Solids: 88.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.0175**	**J**	0.0196	0.00942	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
Benzene	ND		0.00393	0.000526	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
Bromobenzene	ND		0.00393	0.00102	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
Chlorobromomethane	ND		0.00393	0.000636	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
Dichlorobromomethane	ND		0.00393	0.000722	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
Bromoform	ND		0.00393	0.00102	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
Bromomethane	ND		0.00393	0.00196	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
2-Butanone (MEK)	ND		0.0196	0.00471	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
n-Butylbenzene	ND		0.00393	0.000754	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
sec-Butylbenzene	ND		0.00393	0.000746	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
tert-Butylbenzene	ND		0.00393	0.000864	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
Carbon disulfide	ND		0.00393	0.00199	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
Carbon tetrachloride	ND		0.00393	0.00133	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
Chlorobenzene	ND		0.00393	0.00104	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
Chloroethane	ND		0.00393	0.00259	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
Chloroform	ND		0.00393	0.00107	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
Chloromethane	ND		0.00393	0.00173	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
2-Chlorotoluene	ND		0.00393	0.00130	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
4-Chlorotoluene	ND		0.00393	0.000769	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
Chlorodibromomethane	ND		0.00393	0.000942	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
1,2-Dibromo-3-Chloropropane	ND		0.00393	0.00259	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
Ethylene Dibromide	ND		0.00393	0.000785	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
Dibromomethane	ND		0.00393	0.000652	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
1,2-Dichlorobenzene	ND		0.00393	0.00125	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
1,3-Dichlorobenzene	ND		0.00393	0.000746	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
1,4-Dichlorobenzene	ND		0.00393	0.000675	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
trans-1,4-Dichloro-2-butene	ND		0.00393	0.00196	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
1,1-Dichloroethane	ND		0.00393	0.000652	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
1,2-Dichloroethane	ND		0.00393	0.00144	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
cis-1,2-Dichloroethene	ND		0.00393	0.000597	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
trans-1,2-Dichloroethene	ND		0.00393	0.000754	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
1,1-Dichloroethene	ND		0.00393	0.00165	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
1,2-Dichloropropane	ND		0.00393	0.000597	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
1,3-Dichloropropane	ND		0.00393	0.000785	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
2,2-Dichloropropane	ND		0.00393	0.000864	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
1,1-Dichloropropene	ND		0.00393	0.000652	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
cis-1,3-Dichloropropene	ND		0.00393	0.000942	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
trans-1,3-Dichloropropene	ND		0.00393	0.000864	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
Ethylbenzene	ND		0.00393	0.000479	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
Hexachlorobutadiene	ND	*+	0.00393	0.00196	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
2-Hexanone	ND		0.0196	0.00393	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
Iodomethane	ND		0.00393	0.00267	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
Isopropylbenzene	ND		0.00393	0.000534	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
4-Isopropyltoluene	ND		0.00393	0.000785	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
Methylene Chloride	ND		0.0118	0.00785	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
4-Methyl-2-pentanone (MIBK)	ND		0.0196	0.0105	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
Methyl tert-butyl ether	ND		0.00393	0.000785	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
Naphthalene	ND		0.00393	0.00236	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
N-Propylbenzene	ND		0.00393	0.000707	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1

Client Sample ID: SED-4
Lab Sample ID: 400-275302-4

Date Collected: 05/05/25 14:30
Matrix: Solid

Date Received: 05/06/25 09:35
Percent Solids: 88.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00393	0.000785	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
1,1,1,2-Tetrachloroethane	ND		0.00393	0.000864	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
1,1,2,2-Tetrachloroethane	ND		0.00393	0.00135	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
Tetrachloroethene	ND		0.00393	0.00236	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
Toluene	ND		0.00393	0.000785	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
1,2,3-Trichlorobenzene	ND		0.00393	0.000864	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
1,2,4-Trichlorobenzene	ND		0.00393	0.00158	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
1,1,1-Trichloroethane	ND		0.00393	0.000864	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
1,1,2-Trichloroethane	ND		0.00393	0.00126	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
Trichloroethene	ND		0.00393	0.000785	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
Trichlorofluoromethane	ND		0.00393	0.00190	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
1,2,3-Trichloropropane	ND		0.00393	0.00163	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00393	0.00148	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
1,2,4-Trimethylbenzene	ND		0.00393	0.000785	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
1,3,5-Trimethylbenzene	ND		0.00393	0.000652	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
Vinyl acetate	ND		0.0196	0.00501	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
Vinyl chloride	ND		0.00393	0.00171	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
o-Xylene	ND		0.00393	0.00236	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
m-Xylene & p-Xylene	ND		0.00393	0.00236	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
Xylenes, Total	ND		0.00785	0.00471	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
Isopropyl ether	ND		0.00393	0.00108	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
Hexane	ND		0.00393	0.00204	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
n-Heptane	ND		0.00393	0.00227	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1
Ethyl acetate	ND		0.0157	0.00393	mg/Kg	☼	05/17/25 10:32	05/17/25 15:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*50 - 150*	*05/17/25 10:32*	*05/17/25 15:45*	*1*
Dibromofluoromethane	*110*		*50 - 150*	*05/17/25 10:32*	*05/17/25 15:45*	*1*
Toluene-d8 (Surr)	*103*		*50 - 150*	*05/17/25 10:32*	*05/17/25 15:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*50 - 150*	*05/17/25 10:32*	*05/17/25 15:45*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.00669	0.00669	mg/Kg	☼	05/09/25 07:00	05/12/25 22:02	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*62*		*10 - 150*	*05/09/25 07:00*	*05/12/25 22:02*	*5*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.87	0.470	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
2,4,5-Trichlorophenol	ND		1.87	0.571	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
2,4,6-Trichlorophenol	ND		1.87	0.594	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
2,4-Dichlorophenol	ND		1.87	0.396	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
2,4-Dimethylphenol	ND		1.87	0.532	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
2,4-Dinitrophenol	ND	*+	5.60	1.64	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
2,4-Dinitrotoluene	ND		1.87	0.571	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
2-Chlorophenol	ND		1.87	0.685	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
2-Chloronaphthalene	ND		1.87	0.436	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
2-Methylnaphthalene	ND		1.87	0.617	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
2-Methylphenol	ND		1.87	0.453	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5

Client Sample ID: SED-4
Lab Sample ID: 400-275302-4
Date Collected: 05/05/25 14:30
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 88.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1.87	0.396	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
2-Nitrophenol	ND		1.87	0.668	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
3 & 4 Methylphenol	ND		3.73	0.436	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
3,3'-Dichlorobenzidine	ND		1.87	0.622	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
3-Nitroaniline	ND		1.87	0.441	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
4,6-Dinitro-2-methylphenol	ND	*+	1.87	1.36	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
4-Bromophenyl phenyl ether	ND		1.87	0.594	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
4-Chloro-3-methylphenol	ND		1.87	0.458	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
4-Chloroaniline	ND		1.87	0.458	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
4-Chlorophenyl phenyl ether	ND		1.87	0.187	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
4-Nitroaniline	ND	*+	1.87	0.639	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Acenaphthene	ND		1.87	0.458	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Acenaphthylene	ND		1.87	0.498	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Acetophenone	ND		1.87	0.532	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Anthracene	ND		1.87	0.441	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Benzo[a]anthracene	ND		1.87	0.498	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Benzo[a]pyrene	ND		1.87	0.266	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Benzo[b]fluoranthene	ND		1.87	0.560	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Benzo[g,h,i]perylene	ND		1.87	0.622	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Benzo[k]fluoranthene	ND		1.87	0.441	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Bis(2-chloroethoxy)methane	ND		1.87	0.413	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Bis(2-chloroethyl)ether	ND		1.87	0.611	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Bis(2-ethylhexyl) phthalate	ND		1.87	0.458	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Chrysene	ND		1.87	0.600	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Dibenz(a,h)anthracene	ND		1.87	0.719	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Dibenzofuran	ND		1.87	0.470	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Di-n-butyl phthalate	ND		1.87	0.549	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Diethyl phthalate	ND		1.87	0.600	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Dimethyl phthalate	ND		1.87	0.504	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Di-n-octyl phthalate	ND		1.87	0.679	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Fluoranthene	**0.739**	**J**	1.87	0.413	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Fluorene	ND		1.87	0.509	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Hexachlorobenzene	ND		1.87	0.566	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Hexachlorobutadiene	ND		1.87	0.786	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Hexachlorocyclopentadiene	ND		1.87	0.373	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Hexachloroethane	ND		1.87	0.860	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Indeno[1,2,3-cd]pyrene	ND		1.87	0.752	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Isophorone	ND		1.87	0.379	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Naphthalene	ND		1.87	0.504	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Nitrobenzene	ND		1.87	0.554	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
N-Nitrosodiphenylamine	ND		1.87	0.475	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
N-Nitrosodi-n-propylamine	ND		1.87	0.594	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Pentachlorophenol	ND		3.73	0.905	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Phenanthrene	ND		1.87	0.458	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Phenol	ND		1.87	0.504	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Pyrene	**0.471**	**J**	1.87	0.441	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Butyl benzyl phthalate	ND		1.87	0.905	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
bis (2-chloroisopropyl) ether	ND		1.87	0.713	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Carbazole	ND		1.87	0.634	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5

Client Sample ID: SED-4
Lab Sample ID: 400-275302-4

Date Collected: 05/05/25 14:30
Matrix: Solid

Date Received: 05/06/25 09:35
Percent Solids: 88.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		1.87	0.583	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
4-Nitrophenol	ND		1.87	1.70	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Atrazine	ND		1.87	0.509	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Benzaldehyde	ND		1.87	0.758	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5
Caprolactam	ND		1.87	0.475	mg/Kg	☼	05/09/25 07:00	05/12/25 17:41	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*68*		*10 - 150*	*05/09/25 07:00*	*05/12/25 17:41*	*5*
2-Fluorobiphenyl (Surr)	*70*		*27 - 127*	*05/09/25 07:00*	*05/12/25 17:41*	*5*
2-Fluorophenol (Surr)	*49*		*25 - 128*	*05/09/25 07:00*	*05/12/25 17:41*	*5*
Terphenyl-d14 (Surr)	*67*		*24 - 146*	*05/09/25 07:00*	*05/12/25 17:41*	*5*
Phenol-d5 (Surr)	*53*		*29 - 130*	*05/09/25 07:00*	*05/12/25 17:41*	*5*
Nitrobenzene-d5 (Surr)	*52*		*15 - 136*	*05/09/25 07:00*	*05/12/25 17:41*	*5*

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		2.26	0.747	mg/Kg	☼		05/08/25 00:44	1
Sulfate	ND		22.6	8.26	mg/Kg	☼		05/08/25 00:44	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.0139**	**J**	0.146	0.00169	mg/Kg	☼	05/16/25 09:07	05/19/25 18:49	5
Arsenic	**0.709**		0.350	0.0312	mg/Kg	☼	05/16/25 09:07	05/19/25 18:49	5
Chromium	**4.96**		0.584	0.120	mg/Kg	☼	05/16/25 09:07	05/19/25 18:49	5
Copper	**37.0**	**B**	0.292	0.0304	mg/Kg	☼	05/16/25 09:07	05/19/25 18:49	5
Cadmium	**0.0781**	**J**	0.292	0.00952	mg/Kg	☼	05/16/25 09:07	05/19/25 18:49	5
Cobalt	**3.81**		0.438	0.0165	mg/Kg	☼	05/16/25 09:07	05/19/25 18:49	5
Barium	**22.3**		1.46	0.00826	mg/Kg	☼	05/16/25 09:07	05/19/25 18:49	5
Beryllium	**0.134**	**J**	0.292	0.0205	mg/Kg	☼	05/16/25 09:07	05/19/25 18:49	5
Manganese	**112**		0.584	0.0359	mg/Kg	☼	05/16/25 09:07	05/19/25 18:49	5
Nickel	**11.2**		0.584	0.0153	mg/Kg	☼	05/16/25 09:07	05/19/25 18:49	5
Lead	**21.2**		0.292	0.0345	mg/Kg	☼	05/16/25 09:07	05/19/25 18:49	5
Antimony	**0.741**		0.584	0.133	mg/Kg	☼	05/16/25 09:07	05/19/25 18:49	5
Selenium	ND		1.46	0.104	mg/Kg	☼	05/16/25 09:07	05/19/25 18:49	5
Thallium	ND		0.409	0.0246	mg/Kg	☼	05/16/25 09:07	05/19/25 18:49	5
Vanadium	**12.9**		0.584	0.0733	mg/Kg	☼	05/16/25 09:07	05/19/25 18:49	5
Zinc	**51.5**		1.46	1.21	mg/Kg	☼	05/16/25 09:07	05/19/25 18:49	5

Method: SW846 7473 - Mercury (AAS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.113	0.0474	mg/Kg	☼		05/08/25 12:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**88.2**		0.01	0.01	%			05/08/25 12:18	1
Percent Moisture (EPA Moisture)	**11.8**		0.01	0.01	%			05/08/25 12:18	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.12	0.359	mg/Kg	☼		05/16/25 11:00	1

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SED-5
Lab Sample ID: 400-275302-5
Date Collected: 05/05/25 11:40
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 86.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0230	0.0110	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
Benzene	ND		0.00459	0.000615	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
Bromobenzene	ND		0.00459	0.00119	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
Chlorobromomethane	ND		0.00459	0.000744	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
Dichlorobromomethane	ND		0.00459	0.000845	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
Bromoform	ND		0.00459	0.00119	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
Bromomethane	ND		0.00459	0.00230	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
2-Butanone (MEK)	ND		0.0230	0.00551	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
n-Butylbenzene	ND		0.00459	0.000882	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
sec-Butylbenzene	ND		0.00459	0.000872	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
tert-Butylbenzene	ND		0.00459	0.00101	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
Carbon disulfide	ND		0.00459	0.00232	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
Carbon tetrachloride	ND		0.00459	0.00156	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
Chlorobenzene	ND		0.00459	0.00121	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
Chloroethane	ND		0.00459	0.00303	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
Chloroform	ND		0.00459	0.00125	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
Chloromethane	ND		0.00459	0.00203	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
2-Chlorotoluene	ND		0.00459	0.00152	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
4-Chlorotoluene	ND		0.00459	0.000900	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
Chlorodibromomethane	ND		0.00459	0.00110	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
1,2-Dibromo-3-Chloropropane	ND		0.00459	0.00303	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
Ethylene Dibromide	ND		0.00459	0.000918	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
Dibromomethane	ND		0.00459	0.000762	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
1,2-Dichlorobenzene	ND		0.00459	0.00146	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
1,3-Dichlorobenzene	ND		0.00459	0.000872	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
1,4-Dichlorobenzene	ND		0.00459	0.000790	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
trans-1,4-Dichloro-2-butene	ND		0.00459	0.00230	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
1,1-Dichloroethane	ND		0.00459	0.000762	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
1,2-Dichloroethane	ND		0.00459	0.00169	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
cis-1,2-Dichloroethene	**0.00216**	**J**	0.00459	0.000698	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
trans-1,2-Dichloroethene	ND		0.00459	0.000882	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
1,1-Dichloroethene	ND		0.00459	0.00193	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
1,2-Dichloropropane	ND		0.00459	0.000698	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
1,3-Dichloropropane	ND		0.00459	0.000918	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
2,2-Dichloropropane	ND		0.00459	0.00101	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
1,1-Dichloropropene	ND		0.00459	0.000762	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
cis-1,3-Dichloropropene	ND		0.00459	0.00110	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
trans-1,3-Dichloropropene	ND		0.00459	0.00101	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
Ethylbenzene	ND		0.00459	0.000560	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
Hexachlorobutadiene	ND	*+	0.00459	0.00230	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
2-Hexanone	ND		0.0230	0.00459	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
Iodomethane	ND		0.00459	0.00312	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
Isopropylbenzene	ND		0.00459	0.000624	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
4-Isopropyltoluene	ND		0.00459	0.000918	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
Methylene Chloride	ND		0.0138	0.00918	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
4-Methyl-2-pentanone (MIBK)	ND		0.0230	0.0123	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
Methyl tert-butyl ether	ND		0.00459	0.000918	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
Naphthalene	ND		0.00459	0.00275	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
N-Propylbenzene	ND		0.00459	0.000826	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1

Client Sample ID: SED-5
Lab Sample ID: 400-275302-5

Date Collected: 05/05/25 11:40
Matrix: Solid

Date Received: 05/06/25 09:35
Percent Solids: 86.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00459	0.000918	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
1,1,1,2-Tetrachloroethane	ND		0.00459	0.00101	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
1,1,2,2-Tetrachloroethane	ND		0.00459	0.00158	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
Tetrachloroethene	ND		0.00459	0.00275	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
Toluene	ND		0.00459	0.000918	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
1,2,3-Trichlorobenzene	ND		0.00459	0.00101	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
1,2,4-Trichlorobenzene	ND		0.00459	0.00185	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
1,1,1-Trichloroethane	ND		0.00459	0.00101	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
1,1,2-Trichloroethane	ND		0.00459	0.00148	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
Trichloroethene	**0.00124**	**J**	0.00459	0.000918	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
Trichlorofluoromethane	ND		0.00459	0.00222	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
1,2,3-Trichloropropane	ND		0.00459	0.00191	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00459	0.00173	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
1,2,4-Trimethylbenzene	ND		0.00459	0.000918	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
1,3,5-Trimethylbenzene	ND		0.00459	0.000762	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
Vinyl acetate	ND		0.0230	0.00586	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
Vinyl chloride	ND		0.00459	0.00200	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
o-Xylene	ND		0.00459	0.00275	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
m-Xylene & p-Xylene	ND		0.00459	0.00275	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
Xylenes, Total	ND		0.00918	0.00551	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
Isopropyl ether	ND		0.00459	0.00127	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
Hexane	ND		0.00459	0.00239	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
n-Heptane	ND		0.00459	0.00265	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1
Ethyl acetate	ND		0.0184	0.00459	mg/Kg	☼	05/17/25 10:32	05/17/25 16:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*50 - 150*	*05/17/25 10:32*	*05/17/25 16:06*	*1*
Dibromofluoromethane	*115*		*50 - 150*	*05/17/25 10:32*	*05/17/25 16:06*	*1*
Toluene-d8 (Surr)	*102*		*50 - 150*	*05/17/25 10:32*	*05/17/25 16:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*50 - 150*	*05/17/25 10:32*	*05/17/25 16:06*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.00689	0.00689	mg/Kg	☼	05/09/25 07:00	05/12/25 22:23	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*53*		*10 - 150*	*05/09/25 07:00*	*05/12/25 22:23*	*5*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.84	0.462	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
2,4,5-Trichlorophenol	ND		1.84	0.562	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
2,4,6-Trichlorophenol	ND		1.84	0.584	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
2,4-Dichlorophenol	ND		1.84	0.389	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
2,4-Dimethylphenol	ND		1.84	0.523	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
2,4-Dinitrophenol	ND	*+	5.51	1.61	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
2,4-Dinitrotoluene	ND		1.84	0.562	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
2-Chlorophenol	ND		1.84	0.673	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
2-Chloronaphthalene	ND		1.84	0.428	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
2-Methylnaphthalene	ND		1.84	0.606	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
2-Methylphenol	ND		1.84	0.445	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5

Client Sample ID: SED-5
Lab Sample ID: 400-275302-5
Date Collected: 05/05/25 11:40
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 86.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1.84	0.389	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
2-Nitrophenol	ND		1.84	0.657	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
3 & 4 Methylphenol	ND		3.67	0.428	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
3,3'-Dichlorobenzidine	ND		1.84	0.612	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
3-Nitroaniline	ND		1.84	0.434	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
4,6-Dinitro-2-methylphenol	ND	*+	1.84	1.34	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
4-Bromophenyl phenyl ether	ND		1.84	0.584	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
4-Chloro-3-methylphenol	ND		1.84	0.451	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
4-Chloroaniline	ND		1.84	0.451	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
4-Chlorophenyl phenyl ether	ND		1.84	0.184	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
4-Nitroaniline	ND	*+	1.84	0.629	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Acenaphthene	ND		1.84	0.451	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Acenaphthylene	ND		1.84	0.490	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Acetophenone	ND		1.84	0.523	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Anthracene	ND		1.84	0.434	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Benzo[a]anthracene	ND		1.84	0.490	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Benzo[a]pyrene	ND		1.84	0.261	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Benzo[b]fluoranthene	ND		1.84	0.551	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Benzo[g,h,i]perylene	ND		1.84	0.612	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Benzo[k]fluoranthene	ND		1.84	0.434	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Bis(2-chloroethoxy)methane	ND		1.84	0.406	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Bis(2-chloroethyl)ether	ND		1.84	0.601	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Bis(2-ethylhexyl) phthalate	ND		1.84	0.451	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Chrysene	ND		1.84	0.590	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Dibenz(a,h)anthracene	ND		1.84	0.707	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Dibenzofuran	ND		1.84	0.462	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Di-n-butyl phthalate	ND		1.84	0.540	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Diethyl phthalate	ND		1.84	0.590	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Dimethyl phthalate	ND		1.84	0.495	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Di-n-octyl phthalate	ND		1.84	0.668	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Fluoranthene	**0.496**	**J**	1.84	0.406	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Fluorene	ND		1.84	0.501	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Hexachlorobenzene	ND		1.84	0.556	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Hexachlorobutadiene	ND		1.84	0.773	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Hexachlorocyclopentadiene	ND		1.84	0.367	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Hexachloroethane	ND		1.84	0.846	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Indeno[1,2,3-cd]pyrene	ND		1.84	0.740	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Isophorone	ND		1.84	0.373	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Naphthalene	ND		1.84	0.495	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Nitrobenzene	ND		1.84	0.545	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
N-Nitrosodiphenylamine	ND		1.84	0.467	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
N-Nitrosodi-n-propylamine	ND		1.84	0.584	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Pentachlorophenol	ND		3.67	0.890	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Phenanthrene	ND		1.84	0.451	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Phenol	ND		1.84	0.495	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Pyrene	ND		1.84	0.434	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Butyl benzyl phthalate	ND		1.84	0.890	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
bis (2-chloroisopropyl) ether	ND		1.84	0.701	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Carbazole	ND		1.84	0.623	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5

Client Sample ID: SED-5
Lab Sample ID: 400-275302-5

Date Collected: 05/05/25 11:40
Matrix: Solid

Date Received: 05/06/25 09:35
Percent Solids: 86.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		1.84	0.573	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
4-Nitrophenol	ND		1.84	1.67	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Atrazine	ND		1.84	0.501	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Benzaldehyde	ND		1.84	0.746	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5
Caprolactam	ND		1.84	0.467	mg/Kg	☼	05/09/25 07:00	05/12/25 18:08	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*64*		*10 - 150*	*05/09/25 07:00*	*05/12/25 18:08*	*5*
2-Fluorobiphenyl (Surr)	*72*		*27 - 127*	*05/09/25 07:00*	*05/12/25 18:08*	*5*
2-Fluorophenol (Surr)	*53*		*25 - 128*	*05/09/25 07:00*	*05/12/25 18:08*	*5*
Terphenyl-d14 (Surr)	*71*		*24 - 146*	*05/09/25 07:00*	*05/12/25 18:08*	*5*
Phenol-d5 (Surr)	*57*		*29 - 130*	*05/09/25 07:00*	*05/12/25 18:08*	*5*
Nitrobenzene-d5 (Surr)	*60*		*15 - 136*	*05/09/25 07:00*	*05/12/25 18:08*	*5*

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		2.30	0.760	mg/Kg	☼		05/08/25 01:09	1
Sulfate	**28.3**		23.0	8.41	mg/Kg	☼		05/08/25 01:09	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.00851**	**J**	0.147	0.00170	mg/Kg	☼	05/16/25 09:07	05/19/25 18:51	5
Arsenic	**0.593**		0.352	0.0314	mg/Kg	☼	05/16/25 09:07	05/19/25 18:51	5
Chromium	**5.15**		0.587	0.121	mg/Kg	☼	05/16/25 09:07	05/19/25 18:51	5
Copper	**6.27**	**B**	0.294	0.0305	mg/Kg	☼	05/16/25 09:07	05/19/25 18:51	5
Cadmium	**0.0618**	**J**	0.294	0.00957	mg/Kg	☼	05/16/25 09:07	05/19/25 18:51	5
Cobalt	**3.25**		0.440	0.0166	mg/Kg	☼	05/16/25 09:07	05/19/25 18:51	5
Barium	**13.3**		1.47	0.00831	mg/Kg	☼	05/16/25 09:07	05/19/25 18:51	5
Beryllium	**0.0897**	**J**	0.294	0.0206	mg/Kg	☼	05/16/25 09:07	05/19/25 18:51	5
Manganese	**80.9**		0.587	0.0361	mg/Kg	☼	05/16/25 09:07	05/19/25 18:51	5
Nickel	**9.24**		0.587	0.0154	mg/Kg	☼	05/16/25 09:07	05/19/25 18:51	5
Lead	**13.0**		0.294	0.0346	mg/Kg	☼	05/16/25 09:07	05/19/25 18:51	5
Antimony	ND		0.587	0.134	mg/Kg	☼	05/16/25 09:07	05/19/25 18:51	5
Selenium	ND		1.47	0.104	mg/Kg	☼	05/16/25 09:07	05/19/25 18:51	5
Thallium	ND		0.411	0.0247	mg/Kg	☼	05/16/25 09:07	05/19/25 18:51	5
Vanadium	**8.48**		0.587	0.0737	mg/Kg	☼	05/16/25 09:07	05/19/25 18:51	5
Zinc	**42.8**		1.47	1.22	mg/Kg	☼	05/16/25 09:07	05/19/25 18:51	5

Method: SW846 7473 - Mercury (AAS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.115	0.0482	mg/Kg	☼		05/08/25 13:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**86.8**		0.01	0.01	%			05/08/25 12:18	1
Percent Moisture (EPA Moisture)	**13.2**		0.01	0.01	%			05/08/25 12:18	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.06	0.339	mg/Kg	☼		05/16/25 11:03	1

Client Sample ID: SED-6
Date Collected: 05/05/25 13:30
Date Received: 05/06/25 09:35

Lab Sample ID: 400-275302-6
Matrix: Solid
Percent Solids: 66.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.0990**		0.0323	0.0155	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
Benzene	ND		0.00645	0.000864	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
Bromobenzene	ND		0.00645	0.00168	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
Chlorobromomethane	ND		0.00645	0.00105	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
Dichlorobromomethane	ND		0.00645	0.00119	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
Bromoform	ND		0.00645	0.00168	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
Bromomethane	ND		0.00645	0.00323	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
2-Butanone (MEK)	**0.0119**	**J**	0.0323	0.00774	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
n-Butylbenzene	ND		0.00645	0.00124	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
sec-Butylbenzene	ND		0.00645	0.00123	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
tert-Butylbenzene	ND		0.00645	0.00142	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
Carbon disulfide	ND		0.00645	0.00326	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
Carbon tetrachloride	ND		0.00645	0.00219	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
Chlorobenzene	ND		0.00645	0.00170	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
Chloroethane	ND		0.00645	0.00426	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
Chloroform	ND		0.00645	0.00175	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
Chloromethane	ND		0.00645	0.00285	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
2-Chlorotoluene	ND		0.00645	0.00214	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
4-Chlorotoluene	ND		0.00645	0.00126	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
Chlorodibromomethane	ND		0.00645	0.00155	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
1,2-Dibromo-3-Chloropropane	ND		0.00645	0.00426	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
Ethylene Dibromide	ND		0.00645	0.00129	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
Dibromomethane	ND		0.00645	0.00107	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
1,2-Dichlorobenzene	ND		0.00645	0.00205	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
1,3-Dichlorobenzene	ND		0.00645	0.00123	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
1,4-Dichlorobenzene	ND		0.00645	0.00111	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
trans-1,4-Dichloro-2-butene	ND		0.00645	0.00323	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
1,1-Dichloroethane	ND		0.00645	0.00107	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
1,2-Dichloroethane	ND		0.00645	0.00237	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
cis-1,2-Dichloroethene	ND		0.00645	0.000981	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
trans-1,2-Dichloroethene	ND		0.00645	0.00124	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
1,1-Dichloroethene	ND		0.00645	0.00271	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
1,2-Dichloropropane	ND		0.00645	0.000981	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
1,3-Dichloropropane	ND		0.00645	0.00129	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
2,2-Dichloropropane	ND		0.00645	0.00142	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
1,1-Dichloropropene	ND		0.00645	0.00107	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
cis-1,3-Dichloropropene	ND		0.00645	0.00155	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
trans-1,3-Dichloropropene	ND		0.00645	0.00142	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
Ethylbenzene	ND		0.00645	0.000787	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
Hexachlorobutadiene	ND	*+	0.00645	0.00323	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
2-Hexanone	ND		0.0323	0.00645	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
Iodomethane	ND		0.00645	0.00439	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
Isopropylbenzene	ND		0.00645	0.000877	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
4-Isopropyltoluene	ND		0.00645	0.00129	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
Methylene Chloride	ND		0.0194	0.0129	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
4-Methyl-2-pentanone (MIBK)	ND		0.0323	0.0173	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
Methyl tert-butyl ether	ND		0.00645	0.00129	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
Naphthalene	ND		0.00645	0.00387	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
N-Propylbenzene	ND		0.00645	0.00116	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1

Client Sample ID: SED-6
Date Collected: 05/05/25 13:30
Date Received: 05/06/25 09:35

Lab Sample ID: 400-275302-6
Matrix: Solid
Percent Solids: 66.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00645	0.00129	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
1,1,1,2-Tetrachloroethane	ND		0.00645	0.00142	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
1,1,2,2-Tetrachloroethane	ND		0.00645	0.00222	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
Tetrachloroethene	ND		0.00645	0.00387	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
Toluene	ND		0.00645	0.00129	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
1,2,3-Trichlorobenzene	ND		0.00645	0.00142	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
1,2,4-Trichlorobenzene	ND		0.00645	0.00259	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
1,1,1-Trichloroethane	ND		0.00645	0.00142	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
1,1,2-Trichloroethane	ND		0.00645	0.00208	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
Trichloroethene	ND		0.00645	0.00129	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
Trichlorofluoromethane	ND		0.00645	0.00312	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
1,2,3-Trichloropropane	ND		0.00645	0.00268	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00645	0.00243	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
1,2,4-Trimethylbenzene	ND		0.00645	0.00129	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
1,3,5-Trimethylbenzene	ND		0.00645	0.00107	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
Vinyl acetate	ND		0.0323	0.00823	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
Vinyl chloride	ND		0.00645	0.00281	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
o-Xylene	ND		0.00645	0.00387	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
m-Xylene & p-Xylene	ND		0.00645	0.00387	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
Xylenes, Total	ND		0.0129	0.00774	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
Isopropyl ether	ND		0.00645	0.00178	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
Hexane	ND		0.00645	0.00335	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
n-Heptane	ND		0.00645	0.00373	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1
Ethyl acetate	ND		0.0258	0.00645	mg/Kg	☼	05/17/25 10:32	05/17/25 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*50 - 150*	*05/17/25 10:32*	*05/17/25 16:27*	*1*
Dibromofluoromethane	*108*		*50 - 150*	*05/17/25 10:32*	*05/17/25 16:27*	*1*
Toluene-d8 (Surr)	*106*		*50 - 150*	*05/17/25 10:32*	*05/17/25 16:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*50 - 150*	*05/17/25 10:32*	*05/17/25 16:27*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.00903	0.00903	mg/Kg	☼	05/09/25 07:00	05/12/25 22:45	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*51*		*10 - 150*	*05/09/25 07:00*	*05/12/25 22:45*	*5*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		2.36	0.594	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
2,4,5-Trichlorophenol	ND		2.36	0.722	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
2,4,6-Trichlorophenol	ND		2.36	0.751	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
2,4-Dichlorophenol	ND		2.36	0.501	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
2,4-Dimethylphenol	ND		2.36	0.672	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
2,4-Dinitrophenol	ND	*+	7.08	2.07	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
2,4-Dinitrotoluene	ND		2.36	0.722	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
2-Chlorophenol	ND		2.36	0.865	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
2-Chloronaphthalene	ND		2.36	0.551	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
2-Methylnaphthalene	ND		2.36	0.780	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
2-Methylphenol	ND		2.36	0.572	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5

Client Sample ID: SED-6
Lab Sample ID: 400-275302-6
Date Collected: 05/05/25 13:30
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 66.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		2.36	0.501	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
2-Nitrophenol	ND		2.36	0.844	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
3 & 4 Methylphenol	ND		4.72	0.551	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
3,3'-Dichlorobenzidine	ND		2.36	0.787	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
3-Nitroaniline	ND		2.36	0.558	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
4,6-Dinitro-2-methylphenol	ND	*+	2.36	1.72	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
4-Bromophenyl phenyl ether	ND		2.36	0.751	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
4-Chloro-3-methylphenol	ND		2.36	0.579	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
4-Chloroaniline	ND		2.36	0.579	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
4-Chlorophenyl phenyl ether	ND		2.36	0.236	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
4-Nitroaniline	ND	*+	2.36	0.808	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Acenaphthene	ND		2.36	0.579	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Acenaphthylene	ND		2.36	0.629	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Acetophenone	ND		2.36	0.672	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Anthracene	ND		2.36	0.558	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Benzo[a]anthracene	**0.873**	**J**	2.36	0.629	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Benzo[a]pyrene	**0.942**	**J**	2.36	0.336	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Benzo[b]fluoranthene	**1.53**	**J**	2.36	0.708	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Benzo[g,h,i]perylene	ND		2.36	0.787	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Benzo[k]fluoranthene	**0.782**	**J**	2.36	0.558	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Bis(2-chloroethoxy)methane	ND		2.36	0.522	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Bis(2-chloroethyl)ether	ND		2.36	0.772	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Bis(2-ethylhexyl) phthalate	ND		2.36	0.579	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Chrysene	**1.20**	**J**	2.36	0.758	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Dibenz(a,h)anthracene	ND		2.36	0.908	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Dibenzofuran	ND		2.36	0.594	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Di-n-butyl phthalate	ND		2.36	0.694	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Diethyl phthalate	ND		2.36	0.758	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Dimethyl phthalate	ND		2.36	0.637	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Di-n-octyl phthalate	ND		2.36	0.858	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Fluoranthene	**1.73**	**J**	2.36	0.522	mg/Kg	☼	05/09/25 07:00	05/13/25 15:16	5
Fluorene	ND		2.36	0.644	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Hexachlorobenzene	ND		2.36	0.715	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Hexachlorobutadiene	ND		2.36	0.994	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Hexachlorocyclopentadiene	ND		2.36	0.472	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Hexachloroethane	ND		2.36	1.09	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Indeno[1,2,3-cd]pyrene	ND		2.36	0.951	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Isophorone	ND		2.36	0.479	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Naphthalene	ND		2.36	0.637	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Nitrobenzene	ND		2.36	0.701	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
N-Nitrosodiphenylamine	ND		2.36	0.601	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
N-Nitrosodi-n-propylamine	ND		2.36	0.751	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Pentachlorophenol	ND		4.72	1.14	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Phenanthrene	**1.20**	**J**	2.36	0.579	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Phenol	ND		2.36	0.637	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Pyrene	**1.97**	**J**	2.36	0.558	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Butyl benzyl phthalate	ND		2.36	1.14	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
bis (2-chloroisopropyl) ether	ND		2.36	0.901	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Carbazole	ND		2.36	0.801	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5

Client Sample ID: SED-6
Date Collected: 05/05/25 13:30
Date Received: 05/06/25 09:35

Lab Sample ID: 400-275302-6
Matrix: Solid
Percent Solids: 66.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		2.36	0.737	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
4-Nitrophenol	ND		2.36	2.15	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Atrazine	ND		2.36	0.644	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Benzaldehyde	ND		2.36	0.958	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5
Caprolactam	ND		2.36	0.601	mg/Kg	☼	05/09/25 07:00	05/12/25 18:35	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*10 - 150*	*05/09/25 07:00*	*05/12/25 18:35*	*5*
2-Fluorobiphenyl (Surr)	*77*		*27 - 127*	*05/09/25 07:00*	*05/12/25 18:35*	*5*
2-Fluorophenol (Surr)	*57*		*25 - 128*	*05/09/25 07:00*	*05/12/25 18:35*	*5*
Terphenyl-d14 (Surr)	*78*		*24 - 146*	*05/09/25 07:00*	*05/12/25 18:35*	*5*
Phenol-d5 (Surr)	*59*		*29 - 130*	*05/09/25 07:00*	*05/12/25 18:35*	*5*
Nitrobenzene-d5 (Surr)	*63*		*15 - 136*	*05/09/25 07:00*	*05/12/25 18:35*	*5*

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**1.38**	**J**	3.02	0.996	mg/Kg	☼		05/08/25 01:18	1
Sulfate	**73.5**		30.2	11.0	mg/Kg	☼		05/08/25 01:18	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.0636**	**J**	0.202	0.00234	mg/Kg	☼	05/16/25 09:07	05/19/25 18:54	5
Arsenic	**2.45**		0.485	0.0432	mg/Kg	☼	05/16/25 09:07	05/19/25 18:54	5
Chromium	**14.4**		0.808	0.166	mg/Kg	☼	05/16/25 09:07	05/19/25 18:54	5
Copper	**43.6**	**B**	0.404	0.0420	mg/Kg	☼	05/16/25 09:07	05/19/25 18:54	5
Cadmium	**0.293**	**J**	0.404	0.0132	mg/Kg	☼	05/16/25 09:07	05/19/25 18:54	5
Cobalt	**7.46**		0.606	0.0229	mg/Kg	☼	05/16/25 09:07	05/19/25 18:54	5
Barium	**79.8**		2.02	0.0114	mg/Kg	☼	05/16/25 09:07	05/19/25 18:54	5
Beryllium	**0.389**	**J**	0.404	0.0283	mg/Kg	☼	05/16/25 09:07	05/19/25 18:54	5
Manganese	**467**		8.08	0.497	mg/Kg	☼	05/16/25 09:07	05/20/25 18:03	50
Nickel	**18.7**		0.808	0.0211	mg/Kg	☼	05/16/25 09:07	05/19/25 18:54	5
Lead	**52.1**		0.404	0.0476	mg/Kg	☼	05/16/25 09:07	05/19/25 18:54	5
Antimony	**0.478**	**J**	0.808	0.185	mg/Kg	☼	05/16/25 09:07	05/19/25 18:54	5
Selenium	**0.300**	**J**	2.02	0.143	mg/Kg	☼	05/16/25 09:07	05/19/25 18:54	5
Thallium	**0.0674**	**J**	0.565	0.0340	mg/Kg	☼	05/16/25 09:07	05/19/25 18:54	5
Vanadium	**24.9**		0.808	0.101	mg/Kg	☼	05/16/25 09:07	05/19/25 18:54	5
Zinc	**182**		2.02	1.68	mg/Kg	☼	05/16/25 09:07	05/19/25 18:54	5

Method: SW846 7473 - Mercury (AAS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.151	0.0631	mg/Kg	☼		05/08/25 13:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**66.2**		0.01	0.01	%			05/08/25 12:18	1
Percent Moisture (EPA Moisture)	**33.8**		0.01	0.01	%			05/08/25 12:18	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.43	0.458	mg/Kg	☼		05/16/25 11:05	1

Client Sample ID: SED-7
Date Collected: 05/05/25 17:30
Date Received: 05/06/25 09:35

Lab Sample ID: 400-275302-7
Matrix: Solid
Percent Solids: 70.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.0921**		0.0268	0.0129	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
Benzene	ND		0.00536	0.000719	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
Bromobenzene	ND		0.00536	0.00139	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
Chlorobromomethane	ND		0.00536	0.000869	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
Dichlorobromomethane	ND		0.00536	0.000987	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
Bromoform	ND		0.00536	0.00139	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
Bromomethane	ND		0.00536	0.00268	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
2-Butanone (MEK)	**0.00849**	**J**	0.0268	0.00644	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
n-Butylbenzene	ND		0.00536	0.00103	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
sec-Butylbenzene	ND		0.00536	0.00102	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
tert-Butylbenzene	ND		0.00536	0.00118	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
Carbon disulfide	ND		0.00536	0.00271	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
Carbon tetrachloride	ND		0.00536	0.00182	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
Chlorobenzene	ND		0.00536	0.00142	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
Chloroethane	ND		0.00536	0.00354	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
Chloroform	ND		0.00536	0.00146	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
Chloromethane	ND		0.00536	0.00237	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
2-Chlorotoluene	ND		0.00536	0.00178	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
4-Chlorotoluene	ND		0.00536	0.00105	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
Chlorodibromomethane	ND		0.00536	0.00129	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
1,2-Dibromo-3-Chloropropane	ND		0.00536	0.00354	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
Ethylene Dibromide	ND		0.00536	0.00107	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
Dibromomethane	ND		0.00536	0.000890	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
1,2-Dichlorobenzene	ND		0.00536	0.00171	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
1,3-Dichlorobenzene	ND		0.00536	0.00102	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
1,4-Dichlorobenzene	ND		0.00536	0.000922	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
trans-1,4-Dichloro-2-butene	ND		0.00536	0.00268	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
1,1-Dichloroethane	ND		0.00536	0.000890	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
1,2-Dichloroethane	ND		0.00536	0.00197	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
cis-1,2-Dichloroethene	ND		0.00536	0.000815	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
trans-1,2-Dichloroethene	ND		0.00536	0.00103	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
1,1-Dichloroethene	ND		0.00536	0.00225	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
1,2-Dichloropropane	ND		0.00536	0.000815	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
1,3-Dichloropropane	ND		0.00536	0.00107	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
2,2-Dichloropropane	ND		0.00536	0.00118	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
1,1-Dichloropropene	ND		0.00536	0.000890	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
cis-1,3-Dichloropropene	ND		0.00536	0.00129	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
trans-1,3-Dichloropropene	ND		0.00536	0.00118	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
Ethylbenzene	ND		0.00536	0.000654	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
Hexachlorobutadiene	ND	*+	0.00536	0.00268	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
2-Hexanone	ND		0.0268	0.00536	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
Iodomethane	ND		0.00536	0.00365	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
Isopropylbenzene	ND		0.00536	0.000729	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
4-Isopropyltoluene	ND		0.00536	0.00107	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
Methylene Chloride	ND		0.0161	0.0107	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
4-Methyl-2-pentanone (MIBK)	ND		0.0268	0.0144	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
Methyl tert-butyl ether	ND		0.00536	0.00107	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
Naphthalene	ND		0.00536	0.00322	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
N-Propylbenzene	ND		0.00536	0.000965	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1

Client Sample ID: SED-7
Date Collected: 05/05/25 17:30
Date Received: 05/06/25 09:35

Lab Sample ID: 400-275302-7
Matrix: Solid
Percent Solids: 70.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00536	0.00107	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
1,1,1,2-Tetrachloroethane	ND		0.00536	0.00118	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
1,1,2,2-Tetrachloroethane	ND		0.00536	0.00184	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
Tetrachloroethene	ND		0.00536	0.00322	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
Toluene	ND		0.00536	0.00107	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
1,2,3-Trichlorobenzene	ND		0.00536	0.00118	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
1,2,4-Trichlorobenzene	ND		0.00536	0.00216	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
1,1,1-Trichloroethane	ND		0.00536	0.00118	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
1,1,2-Trichloroethane	ND		0.00536	0.00173	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
Trichloroethene	ND		0.00536	0.00107	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
Trichlorofluoromethane	ND		0.00536	0.00260	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
1,2,3-Trichloropropane	ND		0.00536	0.00223	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00536	0.00202	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
1,2,4-Trimethylbenzene	ND		0.00536	0.00107	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
1,3,5-Trimethylbenzene	ND		0.00536	0.000890	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
Vinyl acetate	ND		0.0268	0.00684	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
Vinyl chloride	ND		0.00536	0.00234	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
o-Xylene	ND		0.00536	0.00322	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
m-Xylene & p-Xylene	ND		0.00536	0.00322	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
Xylenes, Total	ND		0.0107	0.00644	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
Isopropyl ether	ND		0.00536	0.00148	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
Hexane	ND		0.00536	0.00279	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
n-Heptane	ND		0.00536	0.00310	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1
Ethyl acetate	ND		0.0215	0.00536	mg/Kg	☼	05/17/25 10:32	05/17/25 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*50 - 150*	*05/17/25 10:32*	*05/17/25 16:48*	*1*
Dibromofluoromethane	*107*		*50 - 150*	*05/17/25 10:32*	*05/17/25 16:48*	*1*
Toluene-d8 (Surr)	*104*		*50 - 150*	*05/17/25 10:32*	*05/17/25 16:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*50 - 150*	*05/17/25 10:32*	*05/17/25 16:48*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.00816	0.00816	mg/Kg	☼	05/09/25 07:00	05/12/25 23:06	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*55*		*10 - 150*	*05/09/25 07:00*	*05/12/25 23:06*	*5*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		2.29	0.575	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
2,4,5-Trichlorophenol	ND		2.29	0.700	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
2,4,6-Trichlorophenol	ND		2.29	0.728	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
2,4-Dichlorophenol	ND		2.29	0.485	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
2,4-Dimethylphenol	ND		2.29	0.652	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
2,4-Dinitrophenol	ND	*+	6.86	2.01	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
2,4-Dinitrotoluene	ND		2.29	0.700	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
2-Chlorophenol	ND		2.29	0.839	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
2-Chloronaphthalene	ND		2.29	0.534	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
2-Methylnaphthalene	ND		2.29	0.756	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
2-Methylphenol	ND		2.29	0.555	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5

Client Sample ID: SED-7
Lab Sample ID: 400-275302-7
Date Collected: 05/05/25 17:30
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 70.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		2.29	0.485	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
2-Nitrophenol	ND		2.29	0.818	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
3 & 4 Methylphenol	ND		4.58	0.534	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
3,3'-Dichlorobenzidine	ND		2.29	0.763	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
3-Nitroaniline	ND		2.29	0.541	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
4,6-Dinitro-2-methylphenol	ND	*+	2.29	1.66	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
4-Bromophenyl phenyl ether	ND		2.29	0.728	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
4-Chloro-3-methylphenol	ND		2.29	0.562	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
4-Chloroaniline	ND		2.29	0.562	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
4-Chlorophenyl phenyl ether	ND		2.29	0.229	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
4-Nitroaniline	ND	*+	2.29	0.783	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Acenaphthene	ND		2.29	0.562	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Acenaphthylene	ND		2.29	0.610	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Acetophenone	ND		2.29	0.652	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Anthracene	ND		2.29	0.541	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Benzo[a]anthracene	**0.792**	**J**	2.29	0.610	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Benzo[a]pyrene	**0.783**	**J**	2.29	0.326	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Benzo[b]fluoranthene	**0.995**	**J**	2.29	0.686	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Benzo[g,h,i]perylene	ND		2.29	0.763	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Benzo[k]fluoranthene	**0.737**	**J**	2.29	0.541	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Bis(2-chloroethoxy)methane	ND		2.29	0.506	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Bis(2-chloroethyl)ether	ND		2.29	0.749	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Bis(2-ethylhexyl) phthalate	ND		2.29	0.562	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Chrysene	**0.920**	**J**	2.29	0.735	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Dibenz(a,h)anthracene	ND		2.29	0.880	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Dibenzofuran	ND		2.29	0.575	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Di-n-butyl phthalate	ND		2.29	0.673	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Diethyl phthalate	ND		2.29	0.735	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Dimethyl phthalate	ND		2.29	0.617	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Di-n-octyl phthalate	ND		2.29	0.832	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Fluoranthene	**1.39**	**J**	2.29	0.506	mg/Kg	☼	05/09/25 07:00	05/13/25 15:38	5
Fluorene	ND		2.29	0.624	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Hexachlorobenzene	ND		2.29	0.693	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Hexachlorobutadiene	ND		2.29	0.964	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Hexachlorocyclopentadiene	ND		2.29	0.458	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Hexachloroethane	ND		2.29	1.05	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Indeno[1,2,3-cd]pyrene	ND		2.29	0.922	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Isophorone	ND		2.29	0.465	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Naphthalene	ND		2.29	0.617	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Nitrobenzene	ND		2.29	0.679	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
N-Nitrosodiphenylamine	ND		2.29	0.582	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
N-Nitrosodi-n-propylamine	ND		2.29	0.728	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Pentachlorophenol	ND		4.58	1.11	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Phenanthrene	**1.19**	**J**	2.29	0.562	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Phenol	ND		2.29	0.617	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Pyrene	**1.51**	**J**	2.29	0.541	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Butyl benzyl phthalate	ND		2.29	1.11	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
bis (2-chloroisopropyl) ether	ND		2.29	0.874	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Carbazole	ND		2.29	0.776	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5

Client Sample ID: SED-7
Date Collected: 05/05/25 17:30
Date Received: 05/06/25 09:35

Lab Sample ID: 400-275302-7
Matrix: Solid
Percent Solids: 70.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		2.29	0.714	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
4-Nitrophenol	ND		2.29	2.08	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Atrazine	ND		2.29	0.624	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Benzaldehyde	ND		2.29	0.929	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5
Caprolactam	ND		2.29	0.582	mg/Kg	☼	05/09/25 07:00	05/12/25 19:02	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*10 - 150*	*05/09/25 07:00*	*05/12/25 19:02*	*5*
2-Fluorobiphenyl (Surr)	*81*		*27 - 127*	*05/09/25 07:00*	*05/12/25 19:02*	*5*
2-Fluorophenol (Surr)	*60*		*25 - 128*	*05/09/25 07:00*	*05/12/25 19:02*	*5*
Terphenyl-d14 (Surr)	*70*		*24 - 146*	*05/09/25 07:00*	*05/12/25 19:02*	*5*
Phenol-d5 (Surr)	*62*		*29 - 130*	*05/09/25 07:00*	*05/12/25 19:02*	*5*
Nitrobenzene-d5 (Surr)	*62*		*15 - 136*	*05/09/25 07:00*	*05/12/25 19:02*	*5*

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		2.85	0.940	mg/Kg	☼		05/08/25 01:26	1
Sulfate	ND		28.5	10.4	mg/Kg	☼		05/08/25 01:26	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.0272**	**J**	0.203	0.00236	mg/Kg	☼	05/16/25 09:07	05/19/25 18:56	5
Arsenic	**1.58**		0.487	0.0435	mg/Kg	☼	05/16/25 09:07	05/19/25 18:56	5
Chromium	**10.2**		0.812	0.167	mg/Kg	☼	05/16/25 09:07	05/19/25 18:56	5
Copper	**16.4**	**B**	0.406	0.0422	mg/Kg	☼	05/16/25 09:07	05/19/25 18:56	5
Cadmium	ND		0.406	0.0132	mg/Kg	☼	05/16/25 09:07	05/19/25 18:56	5
Cobalt	**4.72**		0.609	0.0230	mg/Kg	☼	05/16/25 09:07	05/19/25 18:56	5
Barium	**42.9**		2.03	0.0115	mg/Kg	☼	05/16/25 09:07	05/19/25 18:56	5
Beryllium	**0.241**	**J**	0.406	0.0285	mg/Kg	☼	05/16/25 09:07	05/19/25 18:56	5
Manganese	**155**		0.812	0.0500	mg/Kg	☼	05/16/25 09:07	05/19/25 18:56	5
Nickel	**12.9**		0.812	0.0212	mg/Kg	☼	05/16/25 09:07	05/19/25 18:56	5
Lead	**48.8**		0.406	0.0479	mg/Kg	☼	05/16/25 09:07	05/19/25 18:56	5
Antimony	**0.627**	**J**	0.812	0.186	mg/Kg	☼	05/16/25 09:07	05/19/25 18:56	5
Selenium	**0.206**	**J**	2.03	0.144	mg/Kg	☼	05/16/25 09:07	05/19/25 18:56	5
Thallium	**0.0347**	**J**	0.569	0.0342	mg/Kg	☼	05/16/25 09:07	05/19/25 18:56	5
Vanadium	**14.8**		0.812	0.102	mg/Kg	☼	05/16/25 09:07	05/19/25 18:56	5
Zinc	**85.1**		2.03	1.69	mg/Kg	☼	05/16/25 09:07	05/19/25 18:56	5

Method: SW846 7473 - Mercury (AAS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.142	0.0595	mg/Kg	☼		05/08/25 13:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**70.2**		0.01	0.01	%			05/08/25 12:18	1
Percent Moisture (EPA Moisture)	**29.8**		0.01	0.01	%			05/08/25 12:18	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.34	0.428	mg/Kg	☼		05/16/25 11:08	1

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SED-8
Lab Sample ID: 400-275302-8
Date Collected: 05/05/25 18:00
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 88.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.0105**	**J**	0.0208	0.00997	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
Benzene	ND		0.00416	0.000557	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
Bromobenzene	ND		0.00416	0.00108	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
Chlorobromomethane	ND		0.00416	0.000673	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
Dichlorobromomethane	ND		0.00416	0.000765	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
Bromoform	ND		0.00416	0.00108	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
Bromomethane	ND		0.00416	0.00208	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
2-Butanone (MEK)	ND		0.0208	0.00499	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
n-Butylbenzene	ND		0.00416	0.000798	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
sec-Butylbenzene	ND		0.00416	0.000790	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
tert-Butylbenzene	ND		0.00416	0.000914	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
Carbon disulfide	**0.00226**	**J**	0.00416	0.00210	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
Carbon tetrachloride	ND		0.00416	0.00141	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
Chlorobenzene	ND		0.00416	0.00110	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
Chloroethane	ND		0.00416	0.00274	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
Chloroform	ND		0.00416	0.00113	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
Chloromethane	ND		0.00416	0.00184	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
2-Chlorotoluene	ND		0.00416	0.00138	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
4-Chlorotoluene	ND		0.00416	0.000815	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
Chlorodibromomethane	ND		0.00416	0.000997	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
1,2-Dibromo-3-Chloropropane	ND		0.00416	0.00274	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
Ethylene Dibromide	ND		0.00416	0.000831	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
Dibromomethane	ND		0.00416	0.000690	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
1,2-Dichlorobenzene	ND		0.00416	0.00132	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
1,3-Dichlorobenzene	ND		0.00416	0.000790	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
1,4-Dichlorobenzene	ND		0.00416	0.000715	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
trans-1,4-Dichloro-2-butene	ND		0.00416	0.00208	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
1,1-Dichloroethane	ND		0.00416	0.000690	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
1,2-Dichloroethane	ND		0.00416	0.00153	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
cis-1,2-Dichloroethene	ND		0.00416	0.000632	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
trans-1,2-Dichloroethene	ND		0.00416	0.000798	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
1,1-Dichloroethene	ND		0.00416	0.00175	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
1,2-Dichloropropane	ND		0.00416	0.000632	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
1,3-Dichloropropane	ND		0.00416	0.000831	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
2,2-Dichloropropane	ND		0.00416	0.000914	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
1,1-Dichloropropene	ND		0.00416	0.000690	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
cis-1,3-Dichloropropene	ND		0.00416	0.000997	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
trans-1,3-Dichloropropene	ND		0.00416	0.000914	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
Ethylbenzene	ND		0.00416	0.000507	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
Hexachlorobutadiene	ND	*+	0.00416	0.00208	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
2-Hexanone	ND		0.0208	0.00416	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
Iodomethane	ND		0.00416	0.00283	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
Isopropylbenzene	ND		0.00416	0.000565	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
4-Isopropyltoluene	ND		0.00416	0.000831	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
Methylene Chloride	ND		0.0125	0.00831	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
4-Methyl-2-pentanone (MIBK)	ND		0.0208	0.0112	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
Methyl tert-butyl ether	ND		0.00416	0.000831	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
Naphthalene	ND		0.00416	0.00249	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
N-Propylbenzene	ND		0.00416	0.000748	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1

Client Sample ID: SED-8
Lab Sample ID: 400-275302-8
Date Collected: 05/05/25 18:00
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 88.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00416	0.000831	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
1,1,1,2-Tetrachloroethane	ND		0.00416	0.000914	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
1,1,2,2-Tetrachloroethane	ND		0.00416	0.00143	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
Tetrachloroethene	ND		0.00416	0.00249	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
Toluene	ND		0.00416	0.000831	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
1,2,3-Trichlorobenzene	ND		0.00416	0.000914	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
1,2,4-Trichlorobenzene	ND		0.00416	0.00167	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
1,1,1-Trichloroethane	ND		0.00416	0.000914	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
1,1,2-Trichloroethane	ND		0.00416	0.00134	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
Trichloroethene	ND		0.00416	0.000831	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
Trichlorofluoromethane	ND		0.00416	0.00201	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
1,2,3-Trichloropropane	ND		0.00416	0.00173	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00416	0.00156	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
1,2,4-Trimethylbenzene	ND		0.00416	0.000831	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
1,3,5-Trimethylbenzene	ND		0.00416	0.000690	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
Vinyl acetate	ND		0.0208	0.00530	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
Vinyl chloride	ND		0.00416	0.00181	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
o-Xylene	ND		0.00416	0.00249	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
m-Xylene & p-Xylene	ND		0.00416	0.00249	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
Xylenes, Total	ND		0.00831	0.00499	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
Isopropyl ether	ND		0.00416	0.00115	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
Hexane	ND		0.00416	0.00216	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
n-Heptane	ND		0.00416	0.00240	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1
Ethyl acetate	ND		0.0166	0.00416	mg/Kg	☼	05/17/25 10:32	05/17/25 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*50 - 150*	*05/17/25 10:32*	*05/17/25 17:08*	*1*
Dibromofluoromethane	*112*		*50 - 150*	*05/17/25 10:32*	*05/17/25 17:08*	*1*
Toluene-d8 (Surr)	*101*		*50 - 150*	*05/17/25 10:32*	*05/17/25 17:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*50 - 150*	*05/17/25 10:32*	*05/17/25 17:08*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.00658	0.00658	mg/Kg	☼	05/09/25 07:00	05/12/25 23:28	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*53*		*10 - 150*	*05/09/25 07:00*	*05/12/25 23:28*	*5*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.81	0.456	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
2,4,5-Trichlorophenol	ND		1.81	0.555	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
2,4,6-Trichlorophenol	ND		1.81	0.577	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
2,4-Dichlorophenol	ND		1.81	0.385	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
2,4-Dimethylphenol	ND		1.81	0.517	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
2,4-Dinitrophenol	ND	*+	5.44	1.59	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
2,4-Dinitrotoluene	ND		1.81	0.555	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
2-Chlorophenol	ND		1.81	0.665	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
2-Chloronaphthalene	ND		1.81	0.423	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
2-Methylnaphthalene	ND		1.81	0.599	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
2-Methylphenol	ND		1.81	0.440	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SED-8
Lab Sample ID: 400-275302-8
Date Collected: 05/05/25 18:00
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 88.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1.81	0.385	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
2-Nitrophenol	ND		1.81	0.649	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
3 & 4 Methylphenol	ND		3.63	0.423	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
3,3'-Dichlorobenzidine	ND		1.81	0.605	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
3-Nitroaniline	ND		1.81	0.429	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
4,6-Dinitro-2-methylphenol	ND	*+	1.81	1.32	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
4-Bromophenyl phenyl ether	ND		1.81	0.577	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
4-Chloro-3-methylphenol	ND		1.81	0.445	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
4-Chloroaniline	ND		1.81	0.445	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
4-Chlorophenyl phenyl ether	ND		1.81	0.181	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
4-Nitroaniline	ND	*+	1.81	0.621	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Acenaphthene	ND		1.81	0.445	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Acenaphthylene	ND		1.81	0.484	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Acetophenone	ND		1.81	0.517	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Anthracene	ND		1.81	0.429	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Benzo[a]anthracene	ND		1.81	0.484	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Benzo[a]pyrene	ND		1.81	0.258	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Benzo[b]fluoranthene	ND		1.81	0.544	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Benzo[g,h,i]perylene	ND		1.81	0.605	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Benzo[k]fluoranthene	ND		1.81	0.429	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Bis(2-chloroethoxy)methane	ND		1.81	0.401	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Bis(2-chloroethyl)ether	ND		1.81	0.594	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Bis(2-ethylhexyl) phthalate	ND		1.81	0.445	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Chrysene	ND		1.81	0.583	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Dibenz(a,h)anthracene	ND		1.81	0.698	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Dibenzofuran	ND		1.81	0.456	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Di-n-butyl phthalate	ND		1.81	0.533	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Diethyl phthalate	ND		1.81	0.583	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Dimethyl phthalate	ND		1.81	0.489	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Di-n-octyl phthalate	ND		1.81	0.660	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Fluoranthene	ND		1.81	0.401	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Fluorene	ND		1.81	0.495	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Hexachlorobenzene	ND		1.81	0.550	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Hexachlorobutadiene	ND		1.81	0.764	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Hexachlorocyclopentadiene	ND		1.81	0.363	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Hexachloroethane	ND		1.81	0.835	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Indeno[1,2,3-cd]pyrene	ND		1.81	0.731	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Isophorone	ND		1.81	0.368	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Naphthalene	ND		1.81	0.489	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Nitrobenzene	ND		1.81	0.539	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
N-Nitrosodiphenylamine	ND		1.81	0.462	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
N-Nitrosodi-n-propylamine	ND		1.81	0.577	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Pentachlorophenol	ND		3.63	0.879	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Phenanthrene	ND		1.81	0.445	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Phenol	ND		1.81	0.489	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Pyrene	ND		1.81	0.429	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Butyl benzyl phthalate	ND		1.81	0.879	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
bis (2-chloroisopropyl) ether	ND		1.81	0.693	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Carbazole	ND		1.81	0.616	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5

Client Sample ID: SED-8
Date Collected: 05/05/25 18:00
Date Received: 05/06/25 09:35

Lab Sample ID: 400-275302-8
Matrix: Solid
Percent Solids: 88.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		1.81	0.566	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
4-Nitrophenol	ND		1.81	1.65	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Atrazine	ND		1.81	0.495	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Benzaldehyde	ND		1.81	0.736	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5
Caprolactam	ND		1.81	0.462	mg/Kg	☼	05/09/25 07:00	05/12/25 19:29	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*84*		*10 - 150*	*05/09/25 07:00*	*05/12/25 19:29*	*5*
2-Fluorobiphenyl (Surr)	*83*		*27 - 127*	*05/09/25 07:00*	*05/12/25 19:29*	*5*
2-Fluorophenol (Surr)	*65*		*25 - 128*	*05/09/25 07:00*	*05/12/25 19:29*	*5*
Terphenyl-d14 (Surr)	*86*		*24 - 146*	*05/09/25 07:00*	*05/12/25 19:29*	*5*
Phenol-d5 (Surr)	*66*		*29 - 130*	*05/09/25 07:00*	*05/12/25 19:29*	*5*
Nitrobenzene-d5 (Surr)	*65*		*15 - 136*	*05/09/25 07:00*	*05/12/25 19:29*	*5*

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		2.25	0.742	mg/Kg	☼		05/08/25 01:35	1
Sulfate	**9.32**	**J**	22.5	8.21	mg/Kg	☼		05/08/25 01:35	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.00978**	**J**	0.142	0.00164	mg/Kg	☼	05/16/25 09:07	05/19/25 18:59	5
Arsenic	**0.663**		0.340	0.0303	mg/Kg	☼	05/16/25 09:07	05/19/25 18:59	5
Chromium	**6.10**		0.567	0.117	mg/Kg	☼	05/16/25 09:07	05/19/25 18:59	5
Copper	**11.7**	**B**	0.284	0.0295	mg/Kg	☼	05/16/25 09:07	05/19/25 18:59	5
Cadmium	**0.0758**	**J**	0.284	0.00924	mg/Kg	☼	05/16/25 09:07	05/19/25 18:59	5
Cobalt	**4.95**		0.425	0.0160	mg/Kg	☼	05/16/25 09:07	05/19/25 18:59	5
Barium	**15.0**		1.42	0.00802	mg/Kg	☼	05/16/25 09:07	05/19/25 18:59	5
Beryllium	**0.106**	**J**	0.284	0.0199	mg/Kg	☼	05/16/25 09:07	05/19/25 18:59	5
Manganese	**114**		0.567	0.0349	mg/Kg	☼	05/16/25 09:07	05/19/25 18:59	5
Nickel	**16.7**		0.567	0.0148	mg/Kg	☼	05/16/25 09:07	05/19/25 18:59	5
Lead	**12.2**		0.284	0.0335	mg/Kg	☼	05/16/25 09:07	05/19/25 18:59	5
Antimony	ND		0.567	0.130	mg/Kg	☼	05/16/25 09:07	05/19/25 18:59	5
Selenium	ND		1.42	0.101	mg/Kg	☼	05/16/25 09:07	05/19/25 18:59	5
Thallium	ND		0.397	0.0239	mg/Kg	☼	05/16/25 09:07	05/19/25 18:59	5
Vanadium	**10.5**		0.567	0.0712	mg/Kg	☼	05/16/25 09:07	05/19/25 18:59	5
Zinc	**47.3**		1.42	1.18	mg/Kg	☼	05/16/25 09:07	05/19/25 18:59	5

Method: SW846 7473 - Mercury (AAS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.112	0.0470	mg/Kg	☼		05/08/25 13:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**88.9**		0.01	0.01	%			05/08/25 12:18	1
Percent Moisture (EPA Moisture)	**11.1**		0.01	0.01	%			05/08/25 12:18	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.09	0.349	mg/Kg	☼		05/16/25 11:11	1

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SED-9
Lab Sample ID: 400-275302-9
Date Collected: 05/05/25 18:30
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 86.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.0260**		0.0182	0.00871	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
Benzene	ND		0.00363	0.000486	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
Bromobenzene	ND		0.00363	0.000944	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
Chlorobromomethane	ND		0.00363	0.000588	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
Dichlorobromomethane	ND		0.00363	0.000668	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
Bromoform	ND		0.00363	0.000944	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
Bromomethane	ND		0.00363	0.00182	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
2-Butanone (MEK)	**0.00444**	**J**	0.0182	0.00436	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
n-Butylbenzene	ND		0.00363	0.000697	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
sec-Butylbenzene	ND		0.00363	0.000690	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
tert-Butylbenzene	ND		0.00363	0.000799	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
Carbon disulfide	ND		0.00363	0.00184	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
Carbon tetrachloride	ND		0.00363	0.00123	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
Chlorobenzene	ND		0.00363	0.000958	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
Chloroethane	ND		0.00363	0.00240	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
Chloroform	ND		0.00363	0.000987	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
Chloromethane	ND		0.00363	0.00160	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
2-Chlorotoluene	ND		0.00363	0.00121	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
4-Chlorotoluene	ND		0.00363	0.000712	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
Chlorodibromomethane	ND		0.00363	0.000871	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
1,2-Dibromo-3-Chloropropane	ND		0.00363	0.00240	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
Ethylene Dibromide	ND		0.00363	0.000726	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
Dibromomethane	ND		0.00363	0.000603	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
1,2-Dichlorobenzene	ND		0.00363	0.00115	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
1,3-Dichlorobenzene	ND		0.00363	0.000690	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
1,4-Dichlorobenzene	ND		0.00363	0.000624	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
trans-1,4-Dichloro-2-butene	ND		0.00363	0.00182	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
1,1-Dichloroethane	ND		0.00363	0.000603	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
1,2-Dichloroethane	ND		0.00363	0.00134	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
cis-1,2-Dichloroethene	ND		0.00363	0.000552	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
trans-1,2-Dichloroethene	ND		0.00363	0.000697	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
1,1-Dichloroethene	ND		0.00363	0.00152	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
1,2-Dichloropropane	ND		0.00363	0.000552	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
1,3-Dichloropropane	ND		0.00363	0.000726	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
2,2-Dichloropropane	ND		0.00363	0.000799	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
1,1-Dichloropropene	ND		0.00363	0.000603	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
cis-1,3-Dichloropropene	ND		0.00363	0.000871	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
trans-1,3-Dichloropropene	ND		0.00363	0.000799	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
Ethylbenzene	ND		0.00363	0.000443	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
Hexachlorobutadiene	ND	*+	0.00363	0.00182	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
2-Hexanone	ND		0.0182	0.00363	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
Iodomethane	ND		0.00363	0.00247	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
Isopropylbenzene	ND		0.00363	0.000494	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
4-Isopropyltoluene	ND		0.00363	0.000726	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
Methylene Chloride	ND		0.0109	0.00726	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
4-Methyl-2-pentanone (MIBK)	ND		0.0182	0.00975	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
Methyl tert-butyl ether	ND		0.00363	0.000726	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
Naphthalene	ND		0.00363	0.00218	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
N-Propylbenzene	ND		0.00363	0.000653	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1

Client Sample ID: SED-9
Lab Sample ID: 400-275302-9

Date Collected: 05/05/25 18:30
Matrix: Solid

Date Received: 05/06/25 09:35
Percent Solids: 86.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00363	0.000726	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
1,1,1,2-Tetrachloroethane	ND		0.00363	0.000799	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
1,1,2,2-Tetrachloroethane	ND		0.00363	0.00125	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
Tetrachloroethene	ND		0.00363	0.00218	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
Toluene	ND		0.00363	0.000726	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
1,2,3-Trichlorobenzene	ND		0.00363	0.000799	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
1,2,4-Trichlorobenzene	ND		0.00363	0.00146	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
1,1,1-Trichloroethane	ND		0.00363	0.000799	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
1,1,2-Trichloroethane	ND		0.00363	0.00117	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
Trichloroethene	ND		0.00363	0.000726	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
Trichlorofluoromethane	ND		0.00363	0.00176	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
1,2,3-Trichloropropane	ND		0.00363	0.00151	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00363	0.00136	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
1,2,4-Trimethylbenzene	ND		0.00363	0.000726	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
1,3,5-Trimethylbenzene	ND		0.00363	0.000603	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
Vinyl acetate	ND		0.0182	0.00463	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
Vinyl chloride	ND		0.00363	0.00158	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
o-Xylene	ND		0.00363	0.00218	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
m-Xylene & p-Xylene	ND		0.00363	0.00218	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
Xylenes, Total	ND		0.00726	0.00436	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
Isopropyl ether	ND		0.00363	0.00100	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
Hexane	ND		0.00363	0.00189	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
n-Heptane	ND		0.00363	0.00210	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1
Ethyl acetate	ND		0.0145	0.00363	mg/Kg	☼	05/17/25 10:32	05/17/25 17:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*50 - 150*	*05/17/25 10:32*	*05/17/25 17:29*	*1*
Dibromofluoromethane	*111*		*50 - 150*	*05/17/25 10:32*	*05/17/25 17:29*	*1*
Toluene-d8 (Surr)	*106*		*50 - 150*	*05/17/25 10:32*	*05/17/25 17:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*50 - 150*	*05/17/25 10:32*	*05/17/25 17:29*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.00689	0.00689	mg/Kg	☼	05/09/25 07:00	05/12/25 23:49	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*48*		*10 - 150*	*05/09/25 07:00*	*05/12/25 23:49*	*5*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.85	0.466	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
2,4,5-Trichlorophenol	ND		1.85	0.567	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
2,4,6-Trichlorophenol	ND		1.85	0.589	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
2,4-Dichlorophenol	ND		1.85	0.393	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
2,4-Dimethylphenol	ND		1.85	0.527	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
2,4-Dinitrophenol	ND	*+	5.55	1.63	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
2,4-Dinitrotoluene	ND		1.85	0.567	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
2-Chlorophenol	ND		1.85	0.679	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
2-Chloronaphthalene	ND		1.85	0.432	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
2-Methylnaphthalene	ND		1.85	0.612	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
2-Methylphenol	ND		1.85	0.449	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5

Client Sample ID: SED-9
Lab Sample ID: 400-275302-9
Date Collected: 05/05/25 18:30
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 86.3

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1.85	0.393	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
2-Nitrophenol	ND		1.85	0.662	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
3 & 4 Methylphenol	ND		3.70	0.432	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
3,3'-Dichlorobenzidine	ND		1.85	0.617	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
3-Nitroaniline	ND		1.85	0.438	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
4,6-Dinitro-2-methylphenol	ND	*+	1.85	1.35	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
4-Bromophenyl phenyl ether	ND		1.85	0.589	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
4-Chloro-3-methylphenol	ND		1.85	0.454	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
4-Chloroaniline	ND		1.85	0.454	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
4-Chlorophenyl phenyl ether	ND		1.85	0.185	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
4-Nitroaniline	ND	*+	1.85	0.634	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Acenaphthene	ND		1.85	0.454	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Acenaphthylene	ND		1.85	0.494	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Acetophenone	ND		1.85	0.527	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Anthracene	ND		1.85	0.438	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Benzo[a]anthracene	**0.959**	**J**	1.85	0.494	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Benzo[a]pyrene	**0.974**	**J**	1.85	0.264	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Benzo[b]fluoranthene	**1.28**	**J**	1.85	0.555	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Benzo[g,h,i]perylene	**0.638**	**J**	1.85	0.617	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Benzo[k]fluoranthene	**0.799**	**J**	1.85	0.438	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Bis(2-chloroethoxy)methane	ND		1.85	0.410	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Bis(2-chloroethyl)ether	ND		1.85	0.606	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Bis(2-ethylhexyl) phthalate	ND		1.85	0.454	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Chrysene	**1.01**	**J**	1.85	0.595	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Dibenz(a,h)anthracene	ND		1.85	0.713	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Dibenzofuran	ND		1.85	0.466	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Di-n-butyl phthalate	ND		1.85	0.544	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Diethyl phthalate	ND		1.85	0.595	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Dimethyl phthalate	ND		1.85	0.499	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Di-n-octyl phthalate	ND		1.85	0.673	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Fluoranthene	**1.63**	**J**	1.85	0.410	mg/Kg	☼	05/09/25 07:00	05/13/25 16:01	5
Fluorene	ND		1.85	0.505	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Hexachlorobenzene	ND		1.85	0.561	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Hexachlorobutadiene	ND		1.85	0.780	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Hexachlorocyclopentadiene	ND		1.85	0.370	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Hexachloroethane	ND		1.85	0.853	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Indeno[1,2,3-cd]pyrene	ND		1.85	0.746	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Isophorone	ND		1.85	0.376	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Naphthalene	ND		1.85	0.499	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Nitrobenzene	ND		1.85	0.550	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
N-Nitrosodiphenylamine	ND		1.85	0.471	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
N-Nitrosodi-n-propylamine	ND		1.85	0.589	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Pentachlorophenol	ND		3.70	0.898	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Phenanthrene	**1.05**	**J**	1.85	0.454	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Phenol	ND		1.85	0.499	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Pyrene	**1.81**	**J**	1.85	0.438	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Butyl benzyl phthalate	ND		1.85	0.898	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
bis (2-chloroisopropyl) ether	ND		1.85	0.707	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Carbazole	ND		1.85	0.628	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5

Client Sample ID: SED-9
Lab Sample ID: 400-275302-9

Date Collected: 05/05/25 18:30
Matrix: Solid

Date Received: 05/06/25 09:35
Percent Solids: 86.3

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		1.85	0.578	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
4-Nitrophenol	ND		1.85	1.68	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Atrazine	ND		1.85	0.505	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Benzaldehyde	ND		1.85	0.752	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5
Caprolactam	ND		1.85	0.471	mg/Kg	☼	05/09/25 07:00	05/12/25 19:57	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*73*		*10 - 150*	*05/09/25 07:00*	*05/12/25 19:57*	*5*
2-Fluorobiphenyl (Surr)	*69*		*27 - 127*	*05/09/25 07:00*	*05/12/25 19:57*	*5*
2-Fluorophenol (Surr)	*51*		*25 - 128*	*05/09/25 07:00*	*05/12/25 19:57*	*5*
Terphenyl-d14 (Surr)	*69*		*24 - 146*	*05/09/25 07:00*	*05/12/25 19:57*	*5*
Phenol-d5 (Surr)	*57*		*29 - 130*	*05/09/25 07:00*	*05/12/25 19:57*	*5*
Nitrobenzene-d5 (Surr)	*54*		*15 - 136*	*05/09/25 07:00*	*05/12/25 19:57*	*5*

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		2.31	0.762	mg/Kg	☼		05/08/25 01:43	1
Sulfate	**10.7**	**J**	23.1	8.43	mg/Kg	☼		05/08/25 01:43	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.0143**	**J**	0.147	0.00171	mg/Kg	☼	05/16/25 09:07	05/19/25 19:08	5
Arsenic	**1.03**		0.353	0.0315	mg/Kg	☼	05/16/25 09:07	05/19/25 19:08	5
Chromium	**8.85**		0.589	0.121	mg/Kg	☼	05/16/25 09:07	05/19/25 19:08	5
Copper	**12.9**	**B**	0.294	0.0306	mg/Kg	☼	05/16/25 09:07	05/19/25 19:08	5
Cadmium	**0.0958**	**J**	0.294	0.00960	mg/Kg	☼	05/16/25 09:07	05/19/25 19:08	5
Cobalt	**5.23**		0.442	0.0167	mg/Kg	☼	05/16/25 09:07	05/19/25 19:08	5
Barium	**20.2**		1.47	0.00833	mg/Kg	☼	05/16/25 09:07	05/19/25 19:08	5
Beryllium	**0.150**	**J**	0.294	0.0206	mg/Kg	☼	05/16/25 09:07	05/19/25 19:08	5
Manganese	**144**		0.589	0.0362	mg/Kg	☼	05/16/25 09:07	05/19/25 19:08	5
Nickel	**18.8**		0.589	0.0154	mg/Kg	☼	05/16/25 09:07	05/19/25 19:08	5
Lead	**15.1**		0.294	0.0347	mg/Kg	☼	05/16/25 09:07	05/19/25 19:08	5
Antimony	**0.137**	**J**	0.589	0.135	mg/Kg	☼	05/16/25 09:07	05/19/25 19:08	5
Selenium	ND		1.47	0.105	mg/Kg	☼	05/16/25 09:07	05/19/25 19:08	5
Thallium	ND		0.412	0.0248	mg/Kg	☼	05/16/25 09:07	05/19/25 19:08	5
Vanadium	**17.2**		0.589	0.0739	mg/Kg	☼	05/16/25 09:07	05/19/25 19:08	5
Zinc	**55.1**		1.47	1.22	mg/Kg	☼	05/16/25 09:07	05/19/25 19:08	5

Method: SW846 7473 - Mercury (AAS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.116	0.0484	mg/Kg	☼		05/08/25 14:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**86.3**		0.01	0.01	%			05/08/25 12:18	1
Percent Moisture (EPA Moisture)	**13.7**		0.01	0.01	%			05/08/25 12:18	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.12	0.357	mg/Kg	☼		05/16/25 11:25	1

Client Sample ID: SED-DUP-1
Lab Sample ID: 400-275302-10

Date Collected: 05/05/25 00:00
Matrix: Solid

Date Received: 05/06/25 09:35
Percent Solids: 73.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.0814**		0.0271	0.0130	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
Benzene	ND		0.00542	0.000726	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
Bromobenzene	ND		0.00542	0.00141	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
Chlorobromomethane	ND		0.00542	0.000878	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
Dichlorobromomethane	ND		0.00542	0.000997	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
Bromoform	ND		0.00542	0.00141	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
Bromomethane	ND		0.00542	0.00271	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
2-Butanone (MEK)	**0.00922**	**J**	0.0271	0.00650	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
n-Butylbenzene	ND		0.00542	0.00104	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
sec-Butylbenzene	ND		0.00542	0.00103	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
tert-Butylbenzene	ND		0.00542	0.00119	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
Carbon disulfide	ND		0.00542	0.00274	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
Carbon tetrachloride	ND		0.00542	0.00184	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
Chlorobenzene	ND		0.00542	0.00143	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
Chloroethane	ND		0.00542	0.00358	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
Chloroform	ND		0.00542	0.00147	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
Chloromethane	ND		0.00542	0.00240	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
2-Chlorotoluene	ND		0.00542	0.00180	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
4-Chlorotoluene	ND		0.00542	0.00106	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
Chlorodibromomethane	ND		0.00542	0.00130	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
1,2-Dibromo-3-Chloropropane	ND		0.00542	0.00358	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
Ethylene Dibromide	ND		0.00542	0.00108	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
Dibromomethane	ND		0.00542	0.000900	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
1,2-Dichlorobenzene	ND		0.00542	0.00172	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
1,3-Dichlorobenzene	ND		0.00542	0.00103	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
1,4-Dichlorobenzene	ND		0.00542	0.000932	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
trans-1,4-Dichloro-2-butene	ND		0.00542	0.00271	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
1,1-Dichloroethane	ND		0.00542	0.000900	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
1,2-Dichloroethane	ND		0.00542	0.00199	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
cis-1,2-Dichloroethene	ND		0.00542	0.000824	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
trans-1,2-Dichloroethene	ND		0.00542	0.00104	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
1,1-Dichloroethene	ND		0.00542	0.00228	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
1,2-Dichloropropane	ND		0.00542	0.000824	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
1,3-Dichloropropane	ND		0.00542	0.00108	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
2,2-Dichloropropane	ND		0.00542	0.00119	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
1,1-Dichloropropene	ND		0.00542	0.000900	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
cis-1,3-Dichloropropene	ND		0.00542	0.00130	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
trans-1,3-Dichloropropene	ND		0.00542	0.00119	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
Ethylbenzene	ND		0.00542	0.000661	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
Hexachlorobutadiene	ND	*+	0.00542	0.00271	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
2-Hexanone	ND		0.0271	0.00542	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
Iodomethane	ND		0.00542	0.00369	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
Isopropylbenzene	ND		0.00542	0.000737	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
4-Isopropyltoluene	ND		0.00542	0.00108	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
Methylene Chloride	ND		0.0163	0.0108	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
4-Methyl-2-pentanone (MIBK)	ND		0.0271	0.0146	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
Methyl tert-butyl ether	ND		0.00542	0.00108	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
Naphthalene	ND		0.00542	0.00325	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
N-Propylbenzene	ND		0.00542	0.000975	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1

Client Sample ID: SED-DUP-1
Lab Sample ID: 400-275302-10

Date Collected: 05/05/25 00:00
Matrix: Solid

Date Received: 05/06/25 09:35
Percent Solids: 73.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00542	0.00108	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
1,1,1,2-Tetrachloroethane	ND		0.00542	0.00119	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
1,1,2,2-Tetrachloroethane	ND		0.00542	0.00186	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
Tetrachloroethene	ND		0.00542	0.00325	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
Toluene	ND		0.00542	0.00108	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
1,2,3-Trichlorobenzene	ND		0.00542	0.00119	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
1,2,4-Trichlorobenzene	ND		0.00542	0.00218	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
1,1,1-Trichloroethane	ND		0.00542	0.00119	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
1,1,2-Trichloroethane	ND		0.00542	0.00174	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
Trichloroethene	ND		0.00542	0.00108	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
Trichlorofluoromethane	ND		0.00542	0.00262	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
1,2,3-Trichloropropane	ND		0.00542	0.00225	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00542	0.00204	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
1,2,4-Trimethylbenzene	ND		0.00542	0.00108	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
1,3,5-Trimethylbenzene	ND		0.00542	0.000900	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
Vinyl acetate	ND		0.0271	0.00691	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
Vinyl chloride	ND		0.00542	0.00236	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
o-Xylene	ND		0.00542	0.00325	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
m-Xylene & p-Xylene	ND		0.00542	0.00325	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
Xylenes, Total	ND		0.0108	0.00650	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
Isopropyl ether	ND		0.00542	0.00150	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
Hexane	ND		0.00542	0.00282	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
n-Heptane	ND		0.00542	0.00313	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1
Ethyl acetate	ND		0.0217	0.00542	mg/Kg	☼	05/17/25 10:32	05/17/25 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*50 - 150*	*05/17/25 10:32*	*05/17/25 17:50*	*1*
Dibromofluoromethane	*111*		*50 - 150*	*05/17/25 10:32*	*05/17/25 17:50*	*1*
Toluene-d8 (Surr)	*104*		*50 - 150*	*05/17/25 10:32*	*05/17/25 17:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*50 - 150*	*05/17/25 10:32*	*05/17/25 17:50*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.00802	0.00802	mg/Kg	☼	05/09/25 07:00	05/13/25 00:11	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*54*		*10 - 150*	*05/09/25 07:00*	*05/13/25 00:11*	*5*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		2.18	0.547	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
2,4,5-Trichlorophenol	ND		2.18	0.666	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
2,4,6-Trichlorophenol	ND		2.18	0.693	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
2,4-Dichlorophenol	ND		2.18	0.462	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
2,4-Dimethylphenol	ND		2.18	0.620	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
2,4-Dinitrophenol	ND	*+	6.53	1.91	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
2,4-Dinitrotoluene	ND		2.18	0.666	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
2-Chlorophenol	ND		2.18	0.798	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
2-Chloronaphthalene	ND		2.18	0.508	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
2-Methylnaphthalene	ND		2.18	0.719	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
2-Methylphenol	ND		2.18	0.528	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SED-DUP-1
Lab Sample ID: 400-275302-10
Date Collected: 05/05/25 00:00
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 73.6

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		2.18	0.462	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
2-Nitrophenol	ND		2.18	0.778	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
3 & 4 Methylphenol	ND		4.35	0.508	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
3,3'-Dichlorobenzidine	ND		2.18	0.726	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
3-Nitroaniline	ND		2.18	0.514	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
4,6-Dinitro-2-methylphenol	ND	*+	2.18	1.58	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
4-Bromophenyl phenyl ether	ND		2.18	0.693	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
4-Chloro-3-methylphenol	ND		2.18	0.534	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
4-Chloroaniline	ND		2.18	0.534	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
4-Chlorophenyl phenyl ether	ND		2.18	0.218	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
4-Nitroaniline	ND	*+	2.18	0.745	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Acenaphthene	ND		2.18	0.534	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Acenaphthylene	ND		2.18	0.580	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Acetophenone	ND		2.18	0.620	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Anthracene	ND		2.18	0.514	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Benzo[a]anthracene	**0.747**	**J**	2.18	0.580	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Benzo[a]pyrene	**0.839**	**J**	2.18	0.310	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Benzo[b]fluoranthene	**1.33**	**J**	2.18	0.653	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Benzo[g,h,i]perylene	ND		2.18	0.726	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Benzo[k]fluoranthene	**0.699**	**J**	2.18	0.514	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Bis(2-chloroethoxy)methane	ND		2.18	0.481	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Bis(2-chloroethyl)ether	ND		2.18	0.712	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Bis(2-ethylhexyl) phthalate	ND		2.18	0.534	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Chrysene	**1.03**	**J**	2.18	0.699	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Dibenz(a,h)anthracene	ND		2.18	0.838	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Dibenzofuran	ND		2.18	0.547	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Di-n-butyl phthalate	ND		2.18	0.640	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Diethyl phthalate	ND		2.18	0.699	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Dimethyl phthalate	ND		2.18	0.587	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Di-n-octyl phthalate	ND		2.18	0.791	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Fluoranthene	**1.41**	**J**	2.18	0.481	mg/Kg	☼	05/09/25 07:00	05/13/25 16:24	5
Fluorene	ND		2.18	0.594	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Hexachlorobenzene	ND		2.18	0.660	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Hexachlorobutadiene	ND		2.18	0.917	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Hexachlorocyclopentadiene	ND		2.18	0.435	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Hexachloroethane	ND		2.18	1.00	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Indeno[1,2,3-cd]pyrene	ND		2.18	0.877	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Isophorone	ND		2.18	0.442	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Naphthalene	ND		2.18	0.587	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Nitrobenzene	ND		2.18	0.646	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
N-Nitrosodiphenylamine	ND		2.18	0.554	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
N-Nitrosodi-n-propylamine	ND		2.18	0.693	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Pentachlorophenol	ND		4.35	1.06	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Phenanthrene	**0.797**	**J**	2.18	0.534	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Phenol	ND		2.18	0.587	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Pyrene	**1.63**	**J**	2.18	0.514	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Butyl benzyl phthalate	ND		2.18	1.06	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
bis (2-chloroisopropyl) ether	ND		2.18	0.831	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Carbazole	ND		2.18	0.739	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5

Client Sample ID: SED-DUP-1
Lab Sample ID: 400-275302-10

Date Collected: 05/05/25 00:00
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 73.6

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		2.18	0.679	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
4-Nitrophenol	ND		2.18	1.98	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Atrazine	ND		2.18	0.594	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Benzaldehyde	ND		2.18	0.884	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5
Caprolactam	ND		2.18	0.554	mg/Kg	☼	05/09/25 07:00	05/12/25 20:24	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*77*		*10 - 150*	*05/09/25 07:00*	*05/12/25 20:24*	*5*
2-Fluorobiphenyl (Surr)	*75*		*27 - 127*	*05/09/25 07:00*	*05/12/25 20:24*	*5*
2-Fluorophenol (Surr)	*57*		*25 - 128*	*05/09/25 07:00*	*05/12/25 20:24*	*5*
Terphenyl-d14 (Surr)	*77*		*24 - 146*	*05/09/25 07:00*	*05/12/25 20:24*	*5*
Phenol-d5 (Surr)	*59*		*29 - 130*	*05/09/25 07:00*	*05/12/25 20:24*	*5*
Nitrobenzene-d5 (Surr)	*57*		*15 - 136*	*05/09/25 07:00*	*05/12/25 20:24*	*5*

Method: SW846 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**1.01**	**J**	2.71	0.896	mg/Kg	☼		05/08/25 01:52	1
Sulfate	**48.0**		27.1	9.91	mg/Kg	☼		05/08/25 01:52	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.0641**	**J**	0.175	0.00203	mg/Kg	☼	05/16/25 09:07	05/19/25 19:11	5
Arsenic	**2.24**		0.419	0.0374	mg/Kg	☼	05/16/25 09:07	05/19/25 19:11	5
Chromium	**13.2**		0.699	0.144	mg/Kg	☼	05/16/25 09:07	05/19/25 19:11	5
Copper	**33.9**	**B**	0.349	0.0363	mg/Kg	☼	05/16/25 09:07	05/19/25 19:11	5
Cadmium	**0.262**	**J**	0.349	0.0114	mg/Kg	☼	05/16/25 09:07	05/19/25 19:11	5
Cobalt	**6.54**		0.524	0.0198	mg/Kg	☼	05/16/25 09:07	05/19/25 19:11	5
Barium	**68.1**		1.75	0.00988	mg/Kg	☼	05/16/25 09:07	05/19/25 19:11	5
Beryllium	**0.343**	**J**	0.349	0.0245	mg/Kg	☼	05/16/25 09:07	05/19/25 19:11	5
Manganese	**445**		6.99	0.430	mg/Kg	☼	05/16/25 09:07	05/20/25 18:05	50
Nickel	**16.3**		0.699	0.0183	mg/Kg	☼	05/16/25 09:07	05/19/25 19:11	5
Lead	**47.3**		0.349	0.0412	mg/Kg	☼	05/16/25 09:07	05/19/25 19:11	5
Antimony	**0.424**	**J**	0.699	0.160	mg/Kg	☼	05/16/25 09:07	05/19/25 19:11	5
Selenium	**0.267**	**J**	1.75	0.124	mg/Kg	☼	05/16/25 09:07	05/19/25 19:11	5
Thallium	**0.0625**	**J**	0.489	0.0294	mg/Kg	☼	05/16/25 09:07	05/19/25 19:11	5
Vanadium	**22.2**		0.699	0.0877	mg/Kg	☼	05/16/25 09:07	05/19/25 19:11	5
Zinc	**168**		1.75	1.45	mg/Kg	☼	05/16/25 09:07	05/19/25 19:11	5

Method: SW846 7473 - Mercury (AAS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.136	0.0568	mg/Kg	☼		05/08/25 14:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**73.6**		0.01	0.01	%			05/08/25 12:18	1
Percent Moisture (EPA Moisture)	**26.4**		0.01	0.01	%			05/08/25 12:18	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	ND		1.30	0.417	mg/Kg	☼		05/16/25 11:27	1

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SW-1
Lab Sample ID: 400-275302-11
Date Collected: 05/05/25 16:00
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10.4	J	25.0	10.0	ug/L			05/16/25 16:41	1
Benzene	ND		1.00	0.500	ug/L			05/16/25 16:41	1
Bromobenzene	ND		1.00	0.540	ug/L			05/16/25 16:41	1
Bromoform	ND		5.00	0.250	ug/L			05/16/25 16:41	1
Bromomethane	ND		1.00	0.980	ug/L			05/16/25 16:41	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			05/16/25 16:41	1
Carbon disulfide	ND		1.00	0.500	ug/L			05/16/25 16:41	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			05/16/25 16:41	1
Chlorobenzene	ND		1.00	0.420	ug/L			05/16/25 16:41	1
Chlorobromomethane	ND		1.00	0.520	ug/L			05/16/25 16:41	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			05/16/25 16:41	1
Chloroethane	ND		1.00	0.760	ug/L			05/16/25 16:41	1
Chloroform	ND		1.00	0.900	ug/L			05/16/25 16:41	1
Chloromethane	ND		1.00	0.400	ug/L			05/16/25 16:41	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			05/16/25 16:41	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			05/16/25 16:41	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			05/16/25 16:41	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			05/16/25 16:41	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			05/16/25 16:41	1
Dibromomethane	ND		5.00	0.220	ug/L			05/16/25 16:41	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			05/16/25 16:41	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			05/16/25 16:41	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			05/16/25 16:41	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			05/16/25 16:41	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			05/16/25 16:41	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			05/16/25 16:41	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			05/16/25 16:41	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			05/16/25 16:41	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			05/16/25 16:41	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			05/16/25 16:41	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			05/16/25 16:41	1
Ethyl acetate	ND		10.0	6.14	ug/L			05/16/25 16:41	1
Ethylbenzene	ND		1.00	0.500	ug/L			05/16/25 16:41	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			05/16/25 16:41	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			05/16/25 16:41	1
Hexane	ND		1.00	0.960	ug/L			05/16/25 16:41	1
2-Hexanone	ND		25.0	4.26	ug/L			05/16/25 16:41	1
Iodomethane	ND		1.00	0.900	ug/L			05/16/25 16:41	1
Isopropylbenzene	ND		1.00	0.530	ug/L			05/16/25 16:41	1
Isopropyl ether	ND		1.00	0.740	ug/L			05/16/25 16:41	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			05/16/25 16:41	1
Methylene Chloride	ND		5.00	3.00	ug/L			05/16/25 16:41	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			05/16/25 16:41	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			05/16/25 16:41	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			05/16/25 16:41	1
Naphthalene	ND		5.00	3.00	ug/L			05/16/25 16:41	1
n-Butylbenzene	ND		1.00	0.760	ug/L			05/16/25 16:41	1
n-Heptane	ND		1.00	0.210	ug/L			05/16/25 16:41	1
N-Propylbenzene	ND		1.00	0.690	ug/L			05/16/25 16:41	1

Client Sample ID: SW-1
Lab Sample ID: 400-275302-11

Date Collected: 05/05/25 16:00
Matrix: Water

Date Received: 05/06/25 09:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.00	3.00	ug/L			05/16/25 16:41	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			05/16/25 16:41	1
Styrene	ND		1.00	1.00	ug/L			05/16/25 16:41	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			05/16/25 16:41	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			05/16/25 16:41	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			05/16/25 16:41	1
Tetrachloroethene	ND		1.00	0.330	ug/L			05/16/25 16:41	1
Toluene	ND		1.00	0.900	ug/L			05/16/25 16:41	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			05/16/25 16:41	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			05/16/25 16:41	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			05/16/25 16:41	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			05/16/25 16:41	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			05/16/25 16:41	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			05/16/25 16:41	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			05/16/25 16:41	1
Trichloroethene	ND		1.00	0.150	ug/L			05/16/25 16:41	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			05/16/25 16:41	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			05/16/25 16:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			05/16/25 16:41	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			05/16/25 16:41	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			05/16/25 16:41	1
Vinyl acetate	ND		25.0	0.930	ug/L			05/16/25 16:41	1
Vinyl chloride	ND		1.00	0.500	ug/L			05/16/25 16:41	1
Xylenes, Total	ND		10.0	6.00	ug/L			05/16/25 16:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*82*		*56 - 136*		*05/16/25 16:41*	*1*
Dibromofluoromethane	*125*		*79 - 130*		*05/16/25 16:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*59 - 146*		*05/16/25 16:41*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*05/16/25 16:41*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.287	0.287	ug/L		05/11/25 07:00	05/20/25 14:02	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*24*		*10 - 140*	*05/11/25 07:00*	*05/20/25 14:02*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.74	0.409	ug/L		05/10/25 07:00	05/13/25 21:19	1
2,4,5-Trichlorophenol	ND		9.74	0.526	ug/L		05/10/25 07:00	05/13/25 21:19	1
2,4,6-Trichlorophenol	ND		9.74	1.06	ug/L		05/10/25 07:00	05/13/25 21:19	1
2,4-Dichlorophenol	ND		9.74	0.555	ug/L		05/10/25 07:00	05/13/25 21:19	1
2,4-Dimethylphenol	ND		9.74	0.234	ug/L		05/10/25 07:00	05/13/25 21:19	1
2,4-Dinitrophenol	ND		29.2	4.56	ug/L		05/10/25 07:00	05/13/25 21:19	1
2,4-Dinitrotoluene	ND		9.74	0.633	ug/L		05/10/25 07:00	05/13/25 21:19	1
2,6-Dinitrotoluene	ND		9.74	0.282	ug/L		05/10/25 07:00	05/13/25 21:19	1
2-Chloronaphthalene	ND		9.74	0.370	ug/L		05/10/25 07:00	05/13/25 21:19	1
2-Chlorophenol	ND		9.74	0.818	ug/L		05/10/25 07:00	05/13/25 21:19	1
2-Methylnaphthalene	ND		9.74	0.789	ug/L		05/10/25 07:00	05/13/25 21:19	1

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SW-1
Lab Sample ID: 400-275302-11
Date Collected: 05/05/25 16:00
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		9.74	0.740	ug/L		05/10/25 07:00	05/13/25 21:19	1
2-Nitroaniline	ND		9.74	1.33	ug/L		05/10/25 07:00	05/13/25 21:19	1
2-Nitrophenol	ND		9.74	1.14	ug/L		05/10/25 07:00	05/13/25 21:19	1
3 & 4 Methylphenol	ND		19.5	4.48	ug/L		05/10/25 07:00	05/13/25 21:19	1
3,3'-Dichlorobenzidine	ND		10.7	0.399	ug/L		05/10/25 07:00	05/13/25 21:19	1
3-Nitroaniline	ND		9.74	0.925	ug/L		05/10/25 07:00	05/13/25 21:19	1
4,6-Dinitro-2-methylphenol	ND		9.74	1.92	ug/L		05/10/25 07:00	05/13/25 21:19	1
4-Bromophenyl phenyl ether	ND		9.74	0.127	ug/L		05/10/25 07:00	05/13/25 21:19	1
4-Chloro-3-methylphenol	ND		9.74	0.711	ug/L		05/10/25 07:00	05/13/25 21:19	1
4-Chloroaniline	ND		9.74	0.273	ug/L		05/10/25 07:00	05/13/25 21:19	1
4-Chlorophenyl phenyl ether	ND		9.74	0.234	ug/L		05/10/25 07:00	05/13/25 21:19	1
4-Nitroaniline	ND		9.74	3.41	ug/L		05/10/25 07:00	05/13/25 21:19	1
4-Nitrophenol	ND		9.74	2.67	ug/L		05/10/25 07:00	05/13/25 21:19	1
Acenaphthene	ND		9.74	0.614	ug/L		05/10/25 07:00	05/13/25 21:19	1
Acenaphthylene	ND		9.74	0.740	ug/L		05/10/25 07:00	05/13/25 21:19	1
Acetophenone	ND		9.74	3.12	ug/L		05/10/25 07:00	05/13/25 21:19	1
Anthracene	ND		9.74	0.886	ug/L		05/10/25 07:00	05/13/25 21:19	1
Atrazine	ND		9.74	1.10	ug/L		05/10/25 07:00	05/13/25 21:19	1
Benzaldehyde	ND		9.74	0.653	ug/L		05/10/25 07:00	05/13/25 21:19	1
Benzo[a]anthracene	ND		9.74	0.974	ug/L		05/10/25 07:00	05/13/25 21:19	1
Benzo[a]pyrene	ND		9.74	1.07	ug/L		05/10/25 07:00	05/13/25 21:19	1
Benzo[b]fluoranthene	ND		9.74	1.17	ug/L		05/10/25 07:00	05/13/25 21:19	1
Benzo[g,h,i]perylene	ND		9.74	1.46	ug/L		05/10/25 07:00	05/13/25 21:19	1
Benzo[k]fluoranthene	ND		9.74	1.46	ug/L		05/10/25 07:00	05/13/25 21:19	1
bis (2-chloroisopropyl) ether	ND		9.74	0.906	ug/L		05/10/25 07:00	05/13/25 21:19	1
Bis(2-chloroethoxy)methane	ND		9.74	0.331	ug/L		05/10/25 07:00	05/13/25 21:19	1
Bis(2-chloroethyl)ether	ND		9.74	0.711	ug/L		05/10/25 07:00	05/13/25 21:19	1
Bis(2-ethylhexyl) phthalate	ND		9.74	3.90	ug/L		05/10/25 07:00	05/13/25 21:19	1
Butyl benzyl phthalate	ND		9.74	3.90	ug/L		05/10/25 07:00	05/13/25 21:19	1
Caprolactam	ND		9.74	2.34	ug/L		05/10/25 07:00	05/13/25 21:19	1
Carbazole	ND		9.74	0.312	ug/L		05/10/25 07:00	05/13/25 21:19	1
Chrysene	ND		9.74	1.17	ug/L		05/10/25 07:00	05/13/25 21:19	1
Dibenz(a,h)anthracene	ND		9.74	1.27	ug/L		05/10/25 07:00	05/13/25 21:19	1
Dibenzofuran	ND		9.74	0.623	ug/L		05/10/25 07:00	05/13/25 21:19	1
Diethyl phthalate	ND		9.74	3.90	ug/L		05/10/25 07:00	05/13/25 21:19	1
Dimethyl phthalate	ND		9.74	3.90	ug/L		05/10/25 07:00	05/13/25 21:19	1
Di-n-butyl phthalate	ND		9.74	3.90	ug/L		05/10/25 07:00	05/13/25 21:19	1
Di-n-octyl phthalate	ND		9.74	3.90	ug/L		05/10/25 07:00	05/13/25 21:19	1
Fluoranthene	ND		9.74	0.614	ug/L		05/10/25 07:00	05/13/25 21:19	1
Fluorene	ND		9.74	0.653	ug/L		05/10/25 07:00	05/13/25 21:19	1
Hexachlorobenzene	ND		9.74	0.244	ug/L		05/10/25 07:00	05/13/25 21:19	1
Hexachlorobutadiene	ND		9.74	0.536	ug/L		05/10/25 07:00	05/13/25 21:19	1
Hexachlorocyclopentadiene	ND		19.5	0.312	ug/L		05/10/25 07:00	05/13/25 21:19	1
Hexachloroethane	ND		9.74	0.516	ug/L		05/10/25 07:00	05/13/25 21:19	1
Indeno[1,2,3-cd]pyrene	ND		9.74	1.07	ug/L		05/10/25 07:00	05/13/25 21:19	1
Isophorone	ND		9.74	0.779	ug/L		05/10/25 07:00	05/13/25 21:19	1
Naphthalene	ND		9.74	0.731	ug/L		05/10/25 07:00	05/13/25 21:19	1
Nitrobenzene	ND		9.74	0.584	ug/L		05/10/25 07:00	05/13/25 21:19	1
N-Nitrosodi-n-propylamine	ND		9.74	0.321	ug/L		05/10/25 07:00	05/13/25 21:19	1

Client Sample ID: SW-1
Lab Sample ID: 400-275302-11

Date Collected: 05/05/25 16:00
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.74	0.185	ug/L		05/10/25 07:00	05/13/25 21:19	1
Pentachlorophenol	ND		9.74	2.73	ug/L		05/10/25 07:00	05/13/25 21:19	1
Phenanthrene	ND		9.74	0.721	ug/L		05/10/25 07:00	05/13/25 21:19	1
Phenol	ND		9.74	0.662	ug/L		05/10/25 07:00	05/13/25 21:19	1
Pyrene	ND		9.74	0.614	ug/L		05/10/25 07:00	05/13/25 21:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*10 - 150*	*05/10/25 07:00*	*05/13/25 21:19*	*1*
2-Fluorobiphenyl (Surr)	*67*		*15 - 150*	*05/10/25 07:00*	*05/13/25 21:19*	*1*
2-Fluorophenol (Surr)	*75*		*10 - 150*	*05/10/25 07:00*	*05/13/25 21:19*	*1*
Nitrobenzene-d5 (Surr)	*74*		*50 - 150*	*05/10/25 07:00*	*05/13/25 21:19*	*1*
Phenol-d5 (Surr)	*72*		*10 - 150*	*05/10/25 07:00*	*05/13/25 21:19*	*1*
Terphenyl-d14 (Surr)	*59*		*43 - 147*	*05/10/25 07:00*	*05/13/25 21:19*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.509**		0.100	0.0630	mg/L			05/06/25 18:08	1
Sulfate	**6.96**		1.00	0.390	mg/L			05/06/25 18:08	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	2.45	ug/L		05/08/25 12:30	05/09/25 17:05	1
Arsenic	**2.02**	**J**	5.00	1.32	ug/L		05/08/25 12:30	05/09/25 17:05	1
Barium	**38.5**		10.0	0.410	ug/L		05/08/25 12:30	05/09/25 17:05	1
Beryllium	ND		1.00	0.147	ug/L		05/08/25 12:30	05/09/25 17:05	1
Cadmium	ND		0.700	0.237	ug/L		05/08/25 12:30	05/09/25 17:05	1
Chromium	ND		5.00	3.69	ug/L		05/08/25 12:30	05/09/25 17:05	1
Cobalt	ND		5.00	0.411	ug/L		05/08/25 12:30	05/09/25 17:05	1
Copper	**11.3**		2.00	0.642	ug/L		05/08/25 12:30	05/09/25 17:05	1
Lead	**6.51**		1.00	0.864	ug/L		05/08/25 12:30	05/09/25 17:05	1
Manganese	**75.8**		5.00	1.29	ug/L		05/08/25 12:30	05/12/25 17:03	1
Nickel	**2.47**	**J**	5.00	0.422	ug/L		05/08/25 12:30	05/09/25 17:05	1
Selenium	ND		5.00	2.29	ug/L		05/08/25 12:30	05/09/25 17:05	1
Silver	**0.207**	**J**	1.00	0.167	ug/L		05/08/25 12:30	05/09/25 17:05	1
Thallium	ND		1.00	0.190	ug/L		05/08/25 12:30	05/09/25 17:05	1
Vanadium	**4.26**	**J**	5.00	1.22	ug/L		05/08/25 12:30	05/12/25 17:03	1
Zinc	**30.5**		10.0	8.91	ug/L		05/08/25 12:30	05/09/25 17:05	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.166	ug/L		05/19/25 07:20	05/19/25 12:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**0.129**		0.0500	0.0460	mg/L			05/18/25 10:40	1

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SW-2
Lab Sample ID: 400-275302-12
Date Collected: 05/05/25 15:30
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**10.9**	**J**	25.0	10.0	ug/L			05/16/25 17:09	1
Benzene	ND		1.00	0.500	ug/L			05/16/25 17:09	1
Bromobenzene	ND		1.00	0.540	ug/L			05/16/25 17:09	1
Bromoform	ND		5.00	0.250	ug/L			05/16/25 17:09	1
Bromomethane	ND		1.00	0.980	ug/L			05/16/25 17:09	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			05/16/25 17:09	1
Carbon disulfide	ND		1.00	0.500	ug/L			05/16/25 17:09	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			05/16/25 17:09	1
Chlorobenzene	ND		1.00	0.420	ug/L			05/16/25 17:09	1
Chlorobromomethane	ND		1.00	0.520	ug/L			05/16/25 17:09	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			05/16/25 17:09	1
Chloroethane	ND		1.00	0.760	ug/L			05/16/25 17:09	1
Chloroform	ND		1.00	0.900	ug/L			05/16/25 17:09	1
Chloromethane	ND		1.00	0.400	ug/L			05/16/25 17:09	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			05/16/25 17:09	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			05/16/25 17:09	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			05/16/25 17:09	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			05/16/25 17:09	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			05/16/25 17:09	1
Dibromomethane	ND		5.00	0.220	ug/L			05/16/25 17:09	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			05/16/25 17:09	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			05/16/25 17:09	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			05/16/25 17:09	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			05/16/25 17:09	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			05/16/25 17:09	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			05/16/25 17:09	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			05/16/25 17:09	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			05/16/25 17:09	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			05/16/25 17:09	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			05/16/25 17:09	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			05/16/25 17:09	1
Ethyl acetate	ND		10.0	6.14	ug/L			05/16/25 17:09	1
Ethylbenzene	ND		1.00	0.500	ug/L			05/16/25 17:09	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			05/16/25 17:09	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			05/16/25 17:09	1
Hexane	ND		1.00	0.960	ug/L			05/16/25 17:09	1
2-Hexanone	ND		25.0	4.26	ug/L			05/16/25 17:09	1
Iodomethane	ND		1.00	0.900	ug/L			05/16/25 17:09	1
Isopropylbenzene	ND		1.00	0.530	ug/L			05/16/25 17:09	1
Isopropyl ether	ND		1.00	0.740	ug/L			05/16/25 17:09	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			05/16/25 17:09	1
Methylene Chloride	ND		5.00	3.00	ug/L			05/16/25 17:09	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			05/16/25 17:09	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			05/16/25 17:09	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			05/16/25 17:09	1
Naphthalene	ND		5.00	3.00	ug/L			05/16/25 17:09	1
n-Butylbenzene	ND		1.00	0.760	ug/L			05/16/25 17:09	1
n-Heptane	ND		1.00	0.210	ug/L			05/16/25 17:09	1
N-Propylbenzene	ND		1.00	0.690	ug/L			05/16/25 17:09	1

Client Sample ID: SW-2
Lab Sample ID: 400-275302-12
Date Collected: 05/05/25 15:30
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.00	3.00	ug/L			05/16/25 17:09	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			05/16/25 17:09	1
Styrene	ND		1.00	1.00	ug/L			05/16/25 17:09	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			05/16/25 17:09	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			05/16/25 17:09	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			05/16/25 17:09	1
Tetrachloroethene	ND		1.00	0.330	ug/L			05/16/25 17:09	1
Toluene	ND		1.00	0.900	ug/L			05/16/25 17:09	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			05/16/25 17:09	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			05/16/25 17:09	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			05/16/25 17:09	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			05/16/25 17:09	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			05/16/25 17:09	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			05/16/25 17:09	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			05/16/25 17:09	1
Trichloroethene	ND		1.00	0.150	ug/L			05/16/25 17:09	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			05/16/25 17:09	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			05/16/25 17:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			05/16/25 17:09	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			05/16/25 17:09	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			05/16/25 17:09	1
Vinyl acetate	ND		25.0	0.930	ug/L			05/16/25 17:09	1
Vinyl chloride	ND		1.00	0.500	ug/L			05/16/25 17:09	1
Xylenes, Total	ND		10.0	6.00	ug/L			05/16/25 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*82*		*56 - 136*		*05/16/25 17:09*	*1*
Dibromofluoromethane	*122*		*79 - 130*		*05/16/25 17:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*59 - 146*		*05/16/25 17:09*	*1*
Toluene-d8 (Surr)	*89*		*64 - 132*		*05/16/25 17:09*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.299	0.299	ug/L		05/11/25 07:00	05/20/25 14:24	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*25*		*10 - 140*	*05/11/25 07:00*	*05/20/25 14:24*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.84	0.413	ug/L		05/10/25 07:00	05/13/25 21:50	1
2,4,5-Trichlorophenol	ND		9.84	0.531	ug/L		05/10/25 07:00	05/13/25 21:50	1
2,4,6-Trichlorophenol	ND		9.84	1.07	ug/L		05/10/25 07:00	05/13/25 21:50	1
2,4-Dichlorophenol	ND		9.84	0.561	ug/L		05/10/25 07:00	05/13/25 21:50	1
2,4-Dimethylphenol	ND		9.84	0.236	ug/L		05/10/25 07:00	05/13/25 21:50	1
2,4-Dinitrophenol	ND		29.5	4.60	ug/L		05/10/25 07:00	05/13/25 21:50	1
2,4-Dinitrotoluene	ND		9.84	0.639	ug/L		05/10/25 07:00	05/13/25 21:50	1
2,6-Dinitrotoluene	ND		9.84	0.285	ug/L		05/10/25 07:00	05/13/25 21:50	1
2-Chloronaphthalene	ND		9.84	0.374	ug/L		05/10/25 07:00	05/13/25 21:50	1
2-Chlorophenol	ND		9.84	0.826	ug/L		05/10/25 07:00	05/13/25 21:50	1
2-Methylnaphthalene	ND		9.84	0.797	ug/L		05/10/25 07:00	05/13/25 21:50	1

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SW-2
Lab Sample ID: 400-275302-12
Date Collected: 05/05/25 15:30
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		9.84	0.748	ug/L		05/10/25 07:00	05/13/25 21:50	1
2-Nitroaniline	ND		9.84	1.35	ug/L		05/10/25 07:00	05/13/25 21:50	1
2-Nitrophenol	ND		9.84	1.15	ug/L		05/10/25 07:00	05/13/25 21:50	1
3 & 4 Methylphenol	ND		19.7	4.52	ug/L		05/10/25 07:00	05/13/25 21:50	1
3,3'-Dichlorobenzidine	ND		10.8	0.403	ug/L		05/10/25 07:00	05/13/25 21:50	1
3-Nitroaniline	ND		9.84	0.934	ug/L		05/10/25 07:00	05/13/25 21:50	1
4,6-Dinitro-2-methylphenol	ND		9.84	1.94	ug/L		05/10/25 07:00	05/13/25 21:50	1
4-Bromophenyl phenyl ether	ND		9.84	0.128	ug/L		05/10/25 07:00	05/13/25 21:50	1
4-Chloro-3-methylphenol	ND		9.84	0.718	ug/L		05/10/25 07:00	05/13/25 21:50	1
4-Chloroaniline	ND		9.84	0.275	ug/L		05/10/25 07:00	05/13/25 21:50	1
4-Chlorophenyl phenyl ether	ND		9.84	0.236	ug/L		05/10/25 07:00	05/13/25 21:50	1
4-Nitroaniline	ND		9.84	3.44	ug/L		05/10/25 07:00	05/13/25 21:50	1
4-Nitrophenol	ND		9.84	2.70	ug/L		05/10/25 07:00	05/13/25 21:50	1
Acenaphthene	ND		9.84	0.620	ug/L		05/10/25 07:00	05/13/25 21:50	1
Acenaphthylene	ND		9.84	0.748	ug/L		05/10/25 07:00	05/13/25 21:50	1
Acetophenone	ND		9.84	3.15	ug/L		05/10/25 07:00	05/13/25 21:50	1
Anthracene	ND		9.84	0.895	ug/L		05/10/25 07:00	05/13/25 21:50	1
Atrazine	ND		9.84	1.11	ug/L		05/10/25 07:00	05/13/25 21:50	1
Benzaldehyde	ND		9.84	0.659	ug/L		05/10/25 07:00	05/13/25 21:50	1
Benzo[a]anthracene	ND		9.84	0.984	ug/L		05/10/25 07:00	05/13/25 21:50	1
Benzo[a]pyrene	ND		9.84	1.08	ug/L		05/10/25 07:00	05/13/25 21:50	1
Benzo[b]fluoranthene	ND		9.84	1.18	ug/L		05/10/25 07:00	05/13/25 21:50	1
Benzo[g,h,i]perylene	ND		9.84	1.48	ug/L		05/10/25 07:00	05/13/25 21:50	1
Benzo[k]fluoranthene	ND		9.84	1.48	ug/L		05/10/25 07:00	05/13/25 21:50	1
bis (2-chloroisopropyl) ether	ND		9.84	0.915	ug/L		05/10/25 07:00	05/13/25 21:50	1
Bis(2-chloroethoxy)methane	ND		9.84	0.334	ug/L		05/10/25 07:00	05/13/25 21:50	1
Bis(2-chloroethyl)ether	ND		9.84	0.718	ug/L		05/10/25 07:00	05/13/25 21:50	1
Bis(2-ethylhexyl) phthalate	ND		9.84	3.93	ug/L		05/10/25 07:00	05/13/25 21:50	1
Butyl benzyl phthalate	ND		9.84	3.93	ug/L		05/10/25 07:00	05/13/25 21:50	1
Caprolactam	**2.94**	**J**	9.84	2.36	ug/L		05/10/25 07:00	05/13/25 21:50	1
Carbazole	ND		9.84	0.315	ug/L		05/10/25 07:00	05/13/25 21:50	1
Chrysene	ND		9.84	1.18	ug/L		05/10/25 07:00	05/13/25 21:50	1
Dibenz(a,h)anthracene	ND		9.84	1.28	ug/L		05/10/25 07:00	05/13/25 21:50	1
Dibenzofuran	ND		9.84	0.630	ug/L		05/10/25 07:00	05/13/25 21:50	1
Diethyl phthalate	ND		9.84	3.93	ug/L		05/10/25 07:00	05/13/25 21:50	1
Dimethyl phthalate	ND		9.84	3.93	ug/L		05/10/25 07:00	05/13/25 21:50	1
Di-n-butyl phthalate	ND		9.84	3.93	ug/L		05/10/25 07:00	05/13/25 21:50	1
Di-n-octyl phthalate	ND		9.84	3.93	ug/L		05/10/25 07:00	05/13/25 21:50	1
Fluoranthene	ND		9.84	0.620	ug/L		05/10/25 07:00	05/13/25 21:50	1
Fluorene	ND		9.84	0.659	ug/L		05/10/25 07:00	05/13/25 21:50	1
Hexachlorobenzene	ND		9.84	0.246	ug/L		05/10/25 07:00	05/13/25 21:50	1
Hexachlorobutadiene	ND		9.84	0.541	ug/L		05/10/25 07:00	05/13/25 21:50	1
Hexachlorocyclopentadiene	ND		19.7	0.315	ug/L		05/10/25 07:00	05/13/25 21:50	1
Hexachloroethane	ND		9.84	0.521	ug/L		05/10/25 07:00	05/13/25 21:50	1
Indeno[1,2,3-cd]pyrene	ND		9.84	1.08	ug/L		05/10/25 07:00	05/13/25 21:50	1
Isophorone	ND		9.84	0.787	ug/L		05/10/25 07:00	05/13/25 21:50	1
Naphthalene	ND		9.84	0.738	ug/L		05/10/25 07:00	05/13/25 21:50	1
Nitrobenzene	ND		9.84	0.590	ug/L		05/10/25 07:00	05/13/25 21:50	1
N-Nitrosodi-n-propylamine	ND		9.84	0.325	ug/L		05/10/25 07:00	05/13/25 21:50	1

Client Sample ID: SW-2
Lab Sample ID: 400-275302-12

Date Collected: 05/05/25 15:30
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.84	0.187	ug/L		05/10/25 07:00	05/13/25 21:50	1
Pentachlorophenol	ND		9.84	2.75	ug/L		05/10/25 07:00	05/13/25 21:50	1
Phenanthrene	ND		9.84	0.728	ug/L		05/10/25 07:00	05/13/25 21:50	1
Phenol	ND		9.84	0.669	ug/L		05/10/25 07:00	05/13/25 21:50	1
Pyrene	ND		9.84	0.620	ug/L		05/10/25 07:00	05/13/25 21:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*78*		*10 - 150*	*05/10/25 07:00*	*05/13/25 21:50*	*1*
2-Fluorobiphenyl (Surr)	*67*		*15 - 150*	*05/10/25 07:00*	*05/13/25 21:50*	*1*
2-Fluorophenol (Surr)	*77*		*10 - 150*	*05/10/25 07:00*	*05/13/25 21:50*	*1*
Nitrobenzene-d5 (Surr)	*71*		*50 - 150*	*05/10/25 07:00*	*05/13/25 21:50*	*1*
Phenol-d5 (Surr)	*78*		*10 - 150*	*05/10/25 07:00*	*05/13/25 21:50*	*1*
Terphenyl-d14 (Surr)	*57*		*43 - 147*	*05/10/25 07:00*	*05/13/25 21:50*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.399**		0.100	0.0630	mg/L			05/06/25 18:17	1
Sulfate	**6.16**		1.00	0.390	mg/L			05/06/25 18:17	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	2.45	ug/L		05/08/25 12:30	05/09/25 17:17	1
Arsenic	**1.48**	**J**	5.00	1.32	ug/L		05/08/25 12:30	05/09/25 17:17	1
Barium	**36.2**		10.0	0.410	ug/L		05/08/25 12:30	05/09/25 17:17	1
Beryllium	ND		1.00	0.147	ug/L		05/08/25 12:30	05/09/25 17:17	1
Cadmium	ND		0.700	0.237	ug/L		05/08/25 12:30	05/09/25 17:17	1
Chromium	ND		5.00	3.69	ug/L		05/08/25 12:30	05/09/25 17:17	1
Cobalt	ND		5.00	0.411	ug/L		05/08/25 12:30	05/09/25 17:17	1
Copper	**11.2**		2.00	0.642	ug/L		05/08/25 12:30	05/09/25 17:17	1
Lead	**6.61**		1.00	0.864	ug/L		05/08/25 12:30	05/09/25 17:17	1
Manganese	**73.0**		5.00	1.29	ug/L		05/08/25 12:30	05/12/25 17:13	1
Nickel	**2.23**	**J**	5.00	0.422	ug/L		05/08/25 12:30	05/09/25 17:17	1
Selenium	ND		5.00	2.29	ug/L		05/08/25 12:30	05/09/25 17:17	1
Silver	ND		1.00	0.167	ug/L		05/08/25 12:30	05/09/25 17:17	1
Thallium	ND		1.00	0.190	ug/L		05/08/25 12:30	05/09/25 17:17	1
Vanadium	**3.81**	**J**	5.00	1.22	ug/L		05/08/25 12:30	05/12/25 17:13	1
Zinc	**33.5**		10.0	8.91	ug/L		05/08/25 12:30	05/09/25 17:17	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.166	ug/L		05/19/25 07:20	05/19/25 12:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**0.164**		0.0500	0.0460	mg/L			05/18/25 10:59	1

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SW-3
Lab Sample ID: 400-275302-13
Date Collected: 05/05/25 15:00
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**12.9**	**J**	25.0	10.0	ug/L			05/16/25 17:36	1
Benzene	ND		1.00	0.500	ug/L			05/16/25 17:36	1
Bromobenzene	ND		1.00	0.540	ug/L			05/16/25 17:36	1
Bromoform	ND		5.00	0.250	ug/L			05/16/25 17:36	1
Bromomethane	ND		1.00	0.980	ug/L			05/16/25 17:36	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			05/16/25 17:36	1
Carbon disulfide	ND		1.00	0.500	ug/L			05/16/25 17:36	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			05/16/25 17:36	1
Chlorobenzene	ND		1.00	0.420	ug/L			05/16/25 17:36	1
Chlorobromomethane	ND		1.00	0.520	ug/L			05/16/25 17:36	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			05/16/25 17:36	1
Chloroethane	ND		1.00	0.760	ug/L			05/16/25 17:36	1
Chloroform	ND		1.00	0.900	ug/L			05/16/25 17:36	1
Chloromethane	ND		1.00	0.400	ug/L			05/16/25 17:36	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			05/16/25 17:36	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			05/16/25 17:36	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			05/16/25 17:36	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			05/16/25 17:36	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			05/16/25 17:36	1
Dibromomethane	ND		5.00	0.220	ug/L			05/16/25 17:36	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			05/16/25 17:36	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			05/16/25 17:36	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			05/16/25 17:36	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			05/16/25 17:36	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			05/16/25 17:36	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			05/16/25 17:36	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			05/16/25 17:36	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			05/16/25 17:36	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			05/16/25 17:36	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			05/16/25 17:36	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			05/16/25 17:36	1
Ethyl acetate	ND		10.0	6.14	ug/L			05/16/25 17:36	1
Ethylbenzene	ND		1.00	0.500	ug/L			05/16/25 17:36	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			05/16/25 17:36	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			05/16/25 17:36	1
Hexane	ND		1.00	0.960	ug/L			05/16/25 17:36	1
2-Hexanone	ND		25.0	4.26	ug/L			05/16/25 17:36	1
Iodomethane	ND		1.00	0.900	ug/L			05/16/25 17:36	1
Isopropylbenzene	ND		1.00	0.530	ug/L			05/16/25 17:36	1
Isopropyl ether	ND		1.00	0.740	ug/L			05/16/25 17:36	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			05/16/25 17:36	1
Methylene Chloride	ND		5.00	3.00	ug/L			05/16/25 17:36	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			05/16/25 17:36	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			05/16/25 17:36	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			05/16/25 17:36	1
Naphthalene	ND		5.00	3.00	ug/L			05/16/25 17:36	1
n-Butylbenzene	ND		1.00	0.760	ug/L			05/16/25 17:36	1
n-Heptane	ND		1.00	0.210	ug/L			05/16/25 17:36	1
N-Propylbenzene	ND		1.00	0.690	ug/L			05/16/25 17:36	1

Client Sample ID: SW-3
Lab Sample ID: 400-275302-13
Date Collected: 05/05/25 15:00
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.00	3.00	ug/L			05/16/25 17:36	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			05/16/25 17:36	1
Styrene	ND		1.00	1.00	ug/L			05/16/25 17:36	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			05/16/25 17:36	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			05/16/25 17:36	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			05/16/25 17:36	1
Tetrachloroethene	ND		1.00	0.330	ug/L			05/16/25 17:36	1
Toluene	ND		1.00	0.900	ug/L			05/16/25 17:36	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			05/16/25 17:36	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			05/16/25 17:36	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			05/16/25 17:36	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			05/16/25 17:36	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			05/16/25 17:36	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			05/16/25 17:36	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			05/16/25 17:36	1
Trichloroethene	ND		1.00	0.150	ug/L			05/16/25 17:36	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			05/16/25 17:36	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			05/16/25 17:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			05/16/25 17:36	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			05/16/25 17:36	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			05/16/25 17:36	1
Vinyl acetate	ND		25.0	0.930	ug/L			05/16/25 17:36	1
Vinyl chloride	ND		1.00	0.500	ug/L			05/16/25 17:36	1
Xylenes, Total	ND		10.0	6.00	ug/L			05/16/25 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*82*		*56 - 136*		*05/16/25 17:36*	*1*
Dibromofluoromethane	*117*		*79 - 130*		*05/16/25 17:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*59 - 146*		*05/16/25 17:36*	*1*
Toluene-d8 (Surr)	*89*		*64 - 132*		*05/16/25 17:36*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.290	0.290	ug/L		05/11/25 07:00	05/20/25 14:46	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*25*		*10 - 140*	*05/11/25 07:00*	*05/20/25 14:46*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.0	0.420	ug/L		05/10/25 07:00	05/13/25 22:21	1
2,4,5-Trichlorophenol	ND		10.0	0.540	ug/L		05/10/25 07:00	05/13/25 22:21	1
2,4,6-Trichlorophenol	ND		10.0	1.09	ug/L		05/10/25 07:00	05/13/25 22:21	1
2,4-Dichlorophenol	ND		10.0	0.570	ug/L		05/10/25 07:00	05/13/25 22:21	1
2,4-Dimethylphenol	ND		10.0	0.240	ug/L		05/10/25 07:00	05/13/25 22:21	1
2,4-Dinitrophenol	ND		30.0	4.68	ug/L		05/10/25 07:00	05/13/25 22:21	1
2,4-Dinitrotoluene	ND		10.0	0.650	ug/L		05/10/25 07:00	05/13/25 22:21	1
2,6-Dinitrotoluene	ND		10.0	0.290	ug/L		05/10/25 07:00	05/13/25 22:21	1
2-Chloronaphthalene	ND		10.0	0.380	ug/L		05/10/25 07:00	05/13/25 22:21	1
2-Chlorophenol	ND		10.0	0.840	ug/L		05/10/25 07:00	05/13/25 22:21	1
2-Methylnaphthalene	ND		10.0	0.810	ug/L		05/10/25 07:00	05/13/25 22:21	1

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SW-3
Lab Sample ID: 400-275302-13
Date Collected: 05/05/25 15:00
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		10.0	0.760	ug/L		05/10/25 07:00	05/13/25 22:21	1
2-Nitroaniline	ND		10.0	1.37	ug/L		05/10/25 07:00	05/13/25 22:21	1
2-Nitrophenol	ND		10.0	1.17	ug/L		05/10/25 07:00	05/13/25 22:21	1
3 & 4 Methylphenol	ND		20.0	4.60	ug/L		05/10/25 07:00	05/13/25 22:21	1
3,3'-Dichlorobenzidine	ND		11.0	0.410	ug/L		05/10/25 07:00	05/13/25 22:21	1
3-Nitroaniline	ND		10.0	0.950	ug/L		05/10/25 07:00	05/13/25 22:21	1
4,6-Dinitro-2-methylphenol	ND		10.0	1.97	ug/L		05/10/25 07:00	05/13/25 22:21	1
4-Bromophenyl phenyl ether	ND		10.0	0.130	ug/L		05/10/25 07:00	05/13/25 22:21	1
4-Chloro-3-methylphenol	ND		10.0	0.730	ug/L		05/10/25 07:00	05/13/25 22:21	1
4-Chloroaniline	ND		10.0	0.280	ug/L		05/10/25 07:00	05/13/25 22:21	1
4-Chlorophenyl phenyl ether	ND		10.0	0.240	ug/L		05/10/25 07:00	05/13/25 22:21	1
4-Nitroaniline	ND		10.0	3.50	ug/L		05/10/25 07:00	05/13/25 22:21	1
4-Nitrophenol	ND		10.0	2.74	ug/L		05/10/25 07:00	05/13/25 22:21	1
Acenaphthene	ND		10.0	0.630	ug/L		05/10/25 07:00	05/13/25 22:21	1
Acenaphthylene	ND		10.0	0.760	ug/L		05/10/25 07:00	05/13/25 22:21	1
Acetophenone	ND		10.0	3.20	ug/L		05/10/25 07:00	05/13/25 22:21	1
Anthracene	ND		10.0	0.910	ug/L		05/10/25 07:00	05/13/25 22:21	1
Atrazine	ND		10.0	1.13	ug/L		05/10/25 07:00	05/13/25 22:21	1
Benzaldehyde	ND		10.0	0.670	ug/L		05/10/25 07:00	05/13/25 22:21	1
Benzo[a]anthracene	ND		10.0	1.00	ug/L		05/10/25 07:00	05/13/25 22:21	1
Benzo[a]pyrene	ND		10.0	1.10	ug/L		05/10/25 07:00	05/13/25 22:21	1
Benzo[b]fluoranthene	ND		10.0	1.20	ug/L		05/10/25 07:00	05/13/25 22:21	1
Benzo[g,h,i]perylene	ND		10.0	1.50	ug/L		05/10/25 07:00	05/13/25 22:21	1
Benzo[k]fluoranthene	ND		10.0	1.50	ug/L		05/10/25 07:00	05/13/25 22:21	1
bis (2-chloroisopropyl) ether	ND		10.0	0.930	ug/L		05/10/25 07:00	05/13/25 22:21	1
Bis(2-chloroethoxy)methane	ND		10.0	0.340	ug/L		05/10/25 07:00	05/13/25 22:21	1
Bis(2-chloroethyl)ether	ND		10.0	0.730	ug/L		05/10/25 07:00	05/13/25 22:21	1
Bis(2-ethylhexyl) phthalate	ND		10.0	4.00	ug/L		05/10/25 07:00	05/13/25 22:21	1
Butyl benzyl phthalate	ND		10.0	4.00	ug/L		05/10/25 07:00	05/13/25 22:21	1
Caprolactam	ND		10.0	2.40	ug/L		05/10/25 07:00	05/13/25 22:21	1
Carbazole	ND		10.0	0.320	ug/L		05/10/25 07:00	05/13/25 22:21	1
Chrysene	ND		10.0	1.20	ug/L		05/10/25 07:00	05/13/25 22:21	1
Dibenz(a,h)anthracene	ND		10.0	1.30	ug/L		05/10/25 07:00	05/13/25 22:21	1
Dibenzofuran	ND		10.0	0.640	ug/L		05/10/25 07:00	05/13/25 22:21	1
Diethyl phthalate	ND		10.0	4.00	ug/L		05/10/25 07:00	05/13/25 22:21	1
Dimethyl phthalate	ND		10.0	4.00	ug/L		05/10/25 07:00	05/13/25 22:21	1
Di-n-butyl phthalate	ND		10.0	4.00	ug/L		05/10/25 07:00	05/13/25 22:21	1
Di-n-octyl phthalate	ND		10.0	4.00	ug/L		05/10/25 07:00	05/13/25 22:21	1
Fluoranthene	ND		10.0	0.630	ug/L		05/10/25 07:00	05/13/25 22:21	1
Fluorene	ND		10.0	0.670	ug/L		05/10/25 07:00	05/13/25 22:21	1
Hexachlorobenzene	ND		10.0	0.250	ug/L		05/10/25 07:00	05/13/25 22:21	1
Hexachlorobutadiene	ND		10.0	0.550	ug/L		05/10/25 07:00	05/13/25 22:21	1
Hexachlorocyclopentadiene	ND		20.0	0.320	ug/L		05/10/25 07:00	05/13/25 22:21	1
Hexachloroethane	ND		10.0	0.530	ug/L		05/10/25 07:00	05/13/25 22:21	1
Indeno[1,2,3-cd]pyrene	ND		10.0	1.10	ug/L		05/10/25 07:00	05/13/25 22:21	1
Isophorone	ND		10.0	0.800	ug/L		05/10/25 07:00	05/13/25 22:21	1
Naphthalene	ND		10.0	0.750	ug/L		05/10/25 07:00	05/13/25 22:21	1
Nitrobenzene	ND		10.0	0.600	ug/L		05/10/25 07:00	05/13/25 22:21	1
N-Nitrosodi-n-propylamine	ND		10.0	0.330	ug/L		05/10/25 07:00	05/13/25 22:21	1

Client Sample ID: SW-3
Lab Sample ID: 400-275302-13
Date Collected: 05/05/25 15:00
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		10.0	0.190	ug/L		05/10/25 07:00	05/13/25 22:21	1
Pentachlorophenol	ND		10.0	2.80	ug/L		05/10/25 07:00	05/13/25 22:21	1
Phenanthrene	ND		10.0	0.740	ug/L		05/10/25 07:00	05/13/25 22:21	1
Phenol	ND		10.0	0.680	ug/L		05/10/25 07:00	05/13/25 22:21	1
Pyrene	ND		10.0	0.630	ug/L		05/10/25 07:00	05/13/25 22:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*10 - 150*	*05/10/25 07:00*	*05/13/25 22:21*	*1*
2-Fluorobiphenyl (Surr)	*68*		*15 - 150*	*05/10/25 07:00*	*05/13/25 22:21*	*1*
2-Fluorophenol (Surr)	*77*		*10 - 150*	*05/10/25 07:00*	*05/13/25 22:21*	*1*
Nitrobenzene-d5 (Surr)	*75*		*50 - 150*	*05/10/25 07:00*	*05/13/25 22:21*	*1*
Phenol-d5 (Surr)	*78*		*10 - 150*	*05/10/25 07:00*	*05/13/25 22:21*	*1*
Terphenyl-d14 (Surr)	*63*		*43 - 147*	*05/10/25 07:00*	*05/13/25 22:21*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.341**		0.100	0.0630	mg/L			05/06/25 18:25	1
Sulfate	**5.31**		1.00	0.390	mg/L			05/06/25 18:25	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	2.45	ug/L		05/08/25 12:30	05/09/25 17:20	1
Arsenic	ND		5.00	1.32	ug/L		05/08/25 12:30	05/09/25 17:20	1
Barium	**33.4**		10.0	0.410	ug/L		05/08/25 12:30	05/09/25 17:20	1
Beryllium	ND		1.00	0.147	ug/L		05/08/25 12:30	05/09/25 17:20	1
Cadmium	ND		0.700	0.237	ug/L		05/08/25 12:30	05/09/25 17:20	1
Chromium	ND		5.00	3.69	ug/L		05/08/25 12:30	05/09/25 17:20	1
Cobalt	**0.709**	**J**	5.00	0.411	ug/L		05/08/25 12:30	05/09/25 17:20	1
Copper	**11.7**		2.00	0.642	ug/L		05/08/25 12:30	05/09/25 17:20	1
Lead	**8.04**		1.00	0.864	ug/L		05/08/25 12:30	05/09/25 17:20	1
Manganese	**78.5**		5.00	1.29	ug/L		05/08/25 12:30	05/12/25 17:15	1
Nickel	**2.83**	**J**	5.00	0.422	ug/L		05/08/25 12:30	05/09/25 17:20	1
Selenium	ND		5.00	2.29	ug/L		05/08/25 12:30	05/09/25 17:20	1
Silver	ND		1.00	0.167	ug/L		05/08/25 12:30	05/09/25 17:20	1
Thallium	ND		1.00	0.190	ug/L		05/08/25 12:30	05/09/25 17:20	1
Vanadium	**4.74**	**J**	5.00	1.22	ug/L		05/08/25 12:30	05/12/25 17:15	1
Zinc	**35.4**		10.0	8.91	ug/L		05/08/25 12:30	05/09/25 17:20	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.166	ug/L		05/19/25 07:20	05/19/25 12:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**0.176**		0.0500	0.0460	mg/L			05/18/25 11:01	1

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SW-4
Lab Sample ID: 400-275302-14

Date Collected: 05/05/25 14:30
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**12.3**	**J**	25.0	10.0	ug/L			05/16/25 18:03	1
Benzene	ND		1.00	0.500	ug/L			05/16/25 18:03	1
Bromobenzene	ND		1.00	0.540	ug/L			05/16/25 18:03	1
Bromoform	ND		5.00	0.250	ug/L			05/16/25 18:03	1
Bromomethane	ND		1.00	0.980	ug/L			05/16/25 18:03	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			05/16/25 18:03	1
Carbon disulfide	ND		1.00	0.500	ug/L			05/16/25 18:03	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			05/16/25 18:03	1
Chlorobenzene	ND		1.00	0.420	ug/L			05/16/25 18:03	1
Chlorobromomethane	ND		1.00	0.520	ug/L			05/16/25 18:03	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			05/16/25 18:03	1
Chloroethane	ND		1.00	0.760	ug/L			05/16/25 18:03	1
Chloroform	ND		1.00	0.900	ug/L			05/16/25 18:03	1
Chloromethane	ND		1.00	0.400	ug/L			05/16/25 18:03	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			05/16/25 18:03	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			05/16/25 18:03	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			05/16/25 18:03	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			05/16/25 18:03	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			05/16/25 18:03	1
Dibromomethane	ND		5.00	0.220	ug/L			05/16/25 18:03	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			05/16/25 18:03	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			05/16/25 18:03	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			05/16/25 18:03	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			05/16/25 18:03	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			05/16/25 18:03	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			05/16/25 18:03	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			05/16/25 18:03	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			05/16/25 18:03	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			05/16/25 18:03	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			05/16/25 18:03	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			05/16/25 18:03	1
Ethyl acetate	ND		10.0	6.14	ug/L			05/16/25 18:03	1
Ethylbenzene	ND		1.00	0.500	ug/L			05/16/25 18:03	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			05/16/25 18:03	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			05/16/25 18:03	1
Hexane	ND		1.00	0.960	ug/L			05/16/25 18:03	1
2-Hexanone	ND		25.0	4.26	ug/L			05/16/25 18:03	1
Iodomethane	ND		1.00	0.900	ug/L			05/16/25 18:03	1
Isopropylbenzene	ND		1.00	0.530	ug/L			05/16/25 18:03	1
Isopropyl ether	ND		1.00	0.740	ug/L			05/16/25 18:03	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			05/16/25 18:03	1
Methylene Chloride	ND		5.00	3.00	ug/L			05/16/25 18:03	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			05/16/25 18:03	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			05/16/25 18:03	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			05/16/25 18:03	1
Naphthalene	ND		5.00	3.00	ug/L			05/16/25 18:03	1
n-Butylbenzene	ND		1.00	0.760	ug/L			05/16/25 18:03	1
n-Heptane	ND		1.00	0.210	ug/L			05/16/25 18:03	1
N-Propylbenzene	ND		1.00	0.690	ug/L			05/16/25 18:03	1

Client Sample ID: SW-4
Lab Sample ID: 400-275302-14
Date Collected: 05/05/25 14:30
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.00	3.00	ug/L			05/16/25 18:03	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			05/16/25 18:03	1
Styrene	ND		1.00	1.00	ug/L			05/16/25 18:03	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			05/16/25 18:03	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			05/16/25 18:03	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			05/16/25 18:03	1
Tetrachloroethene	ND		1.00	0.330	ug/L			05/16/25 18:03	1
Toluene	ND		1.00	0.900	ug/L			05/16/25 18:03	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			05/16/25 18:03	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			05/16/25 18:03	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			05/16/25 18:03	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			05/16/25 18:03	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			05/16/25 18:03	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			05/16/25 18:03	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			05/16/25 18:03	1
Trichloroethene	ND		1.00	0.150	ug/L			05/16/25 18:03	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			05/16/25 18:03	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			05/16/25 18:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			05/16/25 18:03	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			05/16/25 18:03	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			05/16/25 18:03	1
Vinyl acetate	ND		25.0	0.930	ug/L			05/16/25 18:03	1
Vinyl chloride	ND		1.00	0.500	ug/L			05/16/25 18:03	1
Xylenes, Total	ND		10.0	6.00	ug/L			05/16/25 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*81*		*56 - 136*		*05/16/25 18:03*	*1*
Dibromofluoromethane	*117*		*79 - 130*		*05/16/25 18:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*59 - 146*		*05/16/25 18:03*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*05/16/25 18:03*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.301	0.301	ug/L		05/11/25 07:00	05/20/25 15:08	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*29*		*10 - 140*	*05/11/25 07:00*	*05/20/25 15:08*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.58	0.403	ug/L		05/10/25 07:00	05/13/25 22:52	1
2,4,5-Trichlorophenol	ND		9.58	0.518	ug/L		05/10/25 07:00	05/13/25 22:52	1
2,4,6-Trichlorophenol	ND		9.58	1.04	ug/L		05/10/25 07:00	05/13/25 22:52	1
2,4-Dichlorophenol	ND		9.58	0.546	ug/L		05/10/25 07:00	05/13/25 22:52	1
2,4-Dimethylphenol	ND		9.58	0.230	ug/L		05/10/25 07:00	05/13/25 22:52	1
2,4-Dinitrophenol	ND		28.8	4.49	ug/L		05/10/25 07:00	05/13/25 22:52	1
2,4-Dinitrotoluene	ND		9.58	0.623	ug/L		05/10/25 07:00	05/13/25 22:52	1
2,6-Dinitrotoluene	ND		9.58	0.278	ug/L		05/10/25 07:00	05/13/25 22:52	1
2-Chloronaphthalene	ND		9.58	0.364	ug/L		05/10/25 07:00	05/13/25 22:52	1
2-Chlorophenol	ND		9.58	0.805	ug/L		05/10/25 07:00	05/13/25 22:52	1
2-Methylnaphthalene	ND		9.58	0.776	ug/L		05/10/25 07:00	05/13/25 22:52	1

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SW-4
Lab Sample ID: 400-275302-14
Date Collected: 05/05/25 14:30
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		9.58	0.728	ug/L		05/10/25 07:00	05/13/25 22:52	1
2-Nitroaniline	ND		9.58	1.31	ug/L		05/10/25 07:00	05/13/25 22:52	1
2-Nitrophenol	ND		9.58	1.12	ug/L		05/10/25 07:00	05/13/25 22:52	1
3 & 4 Methylphenol	ND		19.2	4.41	ug/L		05/10/25 07:00	05/13/25 22:52	1
3,3'-Dichlorobenzidine	ND		10.5	0.393	ug/L		05/10/25 07:00	05/13/25 22:52	1
3-Nitroaniline	ND		9.58	0.911	ug/L		05/10/25 07:00	05/13/25 22:52	1
4,6-Dinitro-2-methylphenol	ND		9.58	1.89	ug/L		05/10/25 07:00	05/13/25 22:52	1
4-Bromophenyl phenyl ether	ND		9.58	0.125	ug/L		05/10/25 07:00	05/13/25 22:52	1
4-Chloro-3-methylphenol	ND		9.58	0.700	ug/L		05/10/25 07:00	05/13/25 22:52	1
4-Chloroaniline	ND		9.58	0.268	ug/L		05/10/25 07:00	05/13/25 22:52	1
4-Chlorophenyl phenyl ether	ND		9.58	0.230	ug/L		05/10/25 07:00	05/13/25 22:52	1
4-Nitroaniline	ND		9.58	3.35	ug/L		05/10/25 07:00	05/13/25 22:52	1
4-Nitrophenol	ND		9.58	2.63	ug/L		05/10/25 07:00	05/13/25 22:52	1
Acenaphthene	ND		9.58	0.604	ug/L		05/10/25 07:00	05/13/25 22:52	1
Acenaphthylene	ND		9.58	0.728	ug/L		05/10/25 07:00	05/13/25 22:52	1
Acetophenone	ND		9.58	3.07	ug/L		05/10/25 07:00	05/13/25 22:52	1
Anthracene	ND		9.58	0.872	ug/L		05/10/25 07:00	05/13/25 22:52	1
Atrazine	ND		9.58	1.08	ug/L		05/10/25 07:00	05/13/25 22:52	1
Benzaldehyde	ND		9.58	0.642	ug/L		05/10/25 07:00	05/13/25 22:52	1
Benzo[a]anthracene	ND		9.58	0.958	ug/L		05/10/25 07:00	05/13/25 22:52	1
Benzo[a]pyrene	ND		9.58	1.05	ug/L		05/10/25 07:00	05/13/25 22:52	1
Benzo[b]fluoranthene	ND		9.58	1.15	ug/L		05/10/25 07:00	05/13/25 22:52	1
Benzo[g,h,i]perylene	ND		9.58	1.44	ug/L		05/10/25 07:00	05/13/25 22:52	1
Benzo[k]fluoranthene	ND		9.58	1.44	ug/L		05/10/25 07:00	05/13/25 22:52	1
bis (2-chloroisopropyl) ether	ND		9.58	0.891	ug/L		05/10/25 07:00	05/13/25 22:52	1
Bis(2-chloroethoxy)methane	ND		9.58	0.326	ug/L		05/10/25 07:00	05/13/25 22:52	1
Bis(2-chloroethyl)ether	ND		9.58	0.700	ug/L		05/10/25 07:00	05/13/25 22:52	1
Bis(2-ethylhexyl) phthalate	ND		9.58	3.83	ug/L		05/10/25 07:00	05/13/25 22:52	1
Butyl benzyl phthalate	ND		9.58	3.83	ug/L		05/10/25 07:00	05/13/25 22:52	1
Caprolactam	ND		9.58	2.30	ug/L		05/10/25 07:00	05/13/25 22:52	1
Carbazole	ND		9.58	0.307	ug/L		05/10/25 07:00	05/13/25 22:52	1
Chrysene	ND		9.58	1.15	ug/L		05/10/25 07:00	05/13/25 22:52	1
Dibenz(a,h)anthracene	ND		9.58	1.25	ug/L		05/10/25 07:00	05/13/25 22:52	1
Dibenzofuran	ND		9.58	0.613	ug/L		05/10/25 07:00	05/13/25 22:52	1
Diethyl phthalate	ND		9.58	3.83	ug/L		05/10/25 07:00	05/13/25 22:52	1
Dimethyl phthalate	ND		9.58	3.83	ug/L		05/10/25 07:00	05/13/25 22:52	1
Di-n-butyl phthalate	ND		9.58	3.83	ug/L		05/10/25 07:00	05/13/25 22:52	1
Di-n-octyl phthalate	ND		9.58	3.83	ug/L		05/10/25 07:00	05/13/25 22:52	1
Fluoranthene	ND		9.58	0.604	ug/L		05/10/25 07:00	05/13/25 22:52	1
Fluorene	ND		9.58	0.642	ug/L		05/10/25 07:00	05/13/25 22:52	1
Hexachlorobenzene	ND		9.58	0.240	ug/L		05/10/25 07:00	05/13/25 22:52	1
Hexachlorobutadiene	ND		9.58	0.527	ug/L		05/10/25 07:00	05/13/25 22:52	1
Hexachlorocyclopentadiene	ND		19.2	0.307	ug/L		05/10/25 07:00	05/13/25 22:52	1
Hexachloroethane	ND		9.58	0.508	ug/L		05/10/25 07:00	05/13/25 22:52	1
Indeno[1,2,3-cd]pyrene	ND		9.58	1.05	ug/L		05/10/25 07:00	05/13/25 22:52	1
Isophorone	ND		9.58	0.767	ug/L		05/10/25 07:00	05/13/25 22:52	1
Naphthalene	ND		9.58	0.719	ug/L		05/10/25 07:00	05/13/25 22:52	1
Nitrobenzene	ND		9.58	0.575	ug/L		05/10/25 07:00	05/13/25 22:52	1
N-Nitrosodi-n-propylamine	ND		9.58	0.316	ug/L		05/10/25 07:00	05/13/25 22:52	1

Client Sample ID: SW-4
Lab Sample ID: 400-275302-14
Date Collected: 05/05/25 14:30
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.58	0.182	ug/L		05/10/25 07:00	05/13/25 22:52	1
Pentachlorophenol	ND		9.58	2.68	ug/L		05/10/25 07:00	05/13/25 22:52	1
Phenanthrene	ND		9.58	0.709	ug/L		05/10/25 07:00	05/13/25 22:52	1
Phenol	ND		9.58	0.652	ug/L		05/10/25 07:00	05/13/25 22:52	1
Pyrene	ND		9.58	0.604	ug/L		05/10/25 07:00	05/13/25 22:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*10 - 150*	*05/10/25 07:00*	*05/13/25 22:52*	*1*
2-Fluorobiphenyl (Surr)	*70*		*15 - 150*	*05/10/25 07:00*	*05/13/25 22:52*	*1*
2-Fluorophenol (Surr)	*75*		*10 - 150*	*05/10/25 07:00*	*05/13/25 22:52*	*1*
Nitrobenzene-d5 (Surr)	*77*		*50 - 150*	*05/10/25 07:00*	*05/13/25 22:52*	*1*
Phenol-d5 (Surr)	*74*		*10 - 150*	*05/10/25 07:00*	*05/13/25 22:52*	*1*
Terphenyl-d14 (Surr)	*62*		*43 - 147*	*05/10/25 07:00*	*05/13/25 22:52*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.312**		0.100	0.0630	mg/L			05/06/25 18:51	1
Sulfate	**4.82**		1.00	0.390	mg/L			05/06/25 18:51	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	2.45	ug/L		05/08/25 12:30	05/09/25 17:22	1
Arsenic	ND		5.00	1.32	ug/L		05/08/25 12:30	05/09/25 17:22	1
Barium	**37.7**		10.0	0.410	ug/L		05/08/25 12:30	05/09/25 17:22	1
Beryllium	ND		1.00	0.147	ug/L		05/08/25 12:30	05/09/25 17:22	1
Cadmium	ND		0.700	0.237	ug/L		05/08/25 12:30	05/09/25 17:22	1
Chromium	**3.83**	**J**	5.00	3.69	ug/L		05/08/25 12:30	05/09/25 17:22	1
Cobalt	**1.03**	**J**	5.00	0.411	ug/L		05/08/25 12:30	05/09/25 17:22	1
Copper	**13.7**		2.00	0.642	ug/L		05/08/25 12:30	05/09/25 17:22	1
Lead	**11.9**		1.00	0.864	ug/L		05/08/25 12:30	05/09/25 17:22	1
Manganese	**113**		5.00	1.29	ug/L		05/08/25 12:30	05/12/25 17:17	1
Nickel	**3.97**	**J**	5.00	0.422	ug/L		05/08/25 12:30	05/09/25 17:22	1
Selenium	ND		5.00	2.29	ug/L		05/08/25 12:30	05/09/25 17:22	1
Silver	ND		1.00	0.167	ug/L		05/08/25 12:30	05/09/25 17:22	1
Thallium	ND		1.00	0.190	ug/L		05/08/25 12:30	05/09/25 17:22	1
Vanadium	**5.38**		5.00	1.22	ug/L		05/08/25 12:30	05/12/25 17:17	1
Zinc	**42.9**		10.0	8.91	ug/L		05/08/25 12:30	05/09/25 17:22	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.172**	**J**	0.200	0.166	ug/L		05/19/25 07:20	05/19/25 12:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**0.176**		0.0500	0.0460	mg/L			05/18/25 11:15	1

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SW-5
Lab Sample ID: 400-275302-15
Date Collected: 05/05/25 11:40
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0	10.0	ug/L			05/16/25 18:31	1
Benzene	ND		1.00	0.500	ug/L			05/16/25 18:31	1
Bromobenzene	ND		1.00	0.540	ug/L			05/16/25 18:31	1
Bromoform	ND		5.00	0.250	ug/L			05/16/25 18:31	1
Bromomethane	ND		1.00	0.980	ug/L			05/16/25 18:31	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			05/16/25 18:31	1
Carbon disulfide	ND		1.00	0.500	ug/L			05/16/25 18:31	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			05/16/25 18:31	1
Chlorobenzene	ND		1.00	0.420	ug/L			05/16/25 18:31	1
Chlorobromomethane	ND		1.00	0.520	ug/L			05/16/25 18:31	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			05/16/25 18:31	1
Chloroethane	ND		1.00	0.760	ug/L			05/16/25 18:31	1
Chloroform	ND		1.00	0.900	ug/L			05/16/25 18:31	1
Chloromethane	ND		1.00	0.400	ug/L			05/16/25 18:31	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			05/16/25 18:31	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			05/16/25 18:31	1
cis-1,2-Dichloroethene	**2.07**		1.00	0.200	ug/L			05/16/25 18:31	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			05/16/25 18:31	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			05/16/25 18:31	1
Dibromomethane	ND		5.00	0.220	ug/L			05/16/25 18:31	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			05/16/25 18:31	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			05/16/25 18:31	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			05/16/25 18:31	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			05/16/25 18:31	1
1,1-Dichloroethane	**0.689**	**J**	1.00	0.500	ug/L			05/16/25 18:31	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			05/16/25 18:31	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			05/16/25 18:31	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			05/16/25 18:31	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			05/16/25 18:31	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			05/16/25 18:31	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			05/16/25 18:31	1
Ethyl acetate	ND		10.0	6.14	ug/L			05/16/25 18:31	1
Ethylbenzene	ND		1.00	0.500	ug/L			05/16/25 18:31	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			05/16/25 18:31	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			05/16/25 18:31	1
Hexane	ND		1.00	0.960	ug/L			05/16/25 18:31	1
2-Hexanone	ND		25.0	4.26	ug/L			05/16/25 18:31	1
Iodomethane	ND		1.00	0.900	ug/L			05/16/25 18:31	1
Isopropylbenzene	ND		1.00	0.530	ug/L			05/16/25 18:31	1
Isopropyl ether	ND		1.00	0.740	ug/L			05/16/25 18:31	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			05/16/25 18:31	1
Methylene Chloride	ND		5.00	3.00	ug/L			05/16/25 18:31	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			05/16/25 18:31	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			05/16/25 18:31	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			05/16/25 18:31	1
Naphthalene	ND		5.00	3.00	ug/L			05/16/25 18:31	1
n-Butylbenzene	ND		1.00	0.760	ug/L			05/16/25 18:31	1
n-Heptane	ND		1.00	0.210	ug/L			05/16/25 18:31	1
N-Propylbenzene	ND		1.00	0.690	ug/L			05/16/25 18:31	1

Client Sample ID: SW-5
Lab Sample ID: 400-275302-15

Date Collected: 05/05/25 11:40
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.00	3.00	ug/L			05/16/25 18:31	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			05/16/25 18:31	1
Styrene	ND		1.00	1.00	ug/L			05/16/25 18:31	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			05/16/25 18:31	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			05/16/25 18:31	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			05/16/25 18:31	1
Tetrachloroethene	ND		1.00	0.330	ug/L			05/16/25 18:31	1
Toluene	ND		1.00	0.900	ug/L			05/16/25 18:31	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			05/16/25 18:31	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			05/16/25 18:31	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			05/16/25 18:31	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			05/16/25 18:31	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			05/16/25 18:31	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			05/16/25 18:31	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			05/16/25 18:31	1
Trichloroethene	ND		1.00	0.150	ug/L			05/16/25 18:31	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			05/16/25 18:31	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			05/16/25 18:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.862**	**J**	1.00	0.500	ug/L			05/16/25 18:31	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			05/16/25 18:31	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			05/16/25 18:31	1
Vinyl acetate	ND		25.0	0.930	ug/L			05/16/25 18:31	1
Vinyl chloride	ND		1.00	0.500	ug/L			05/16/25 18:31	1
Xylenes, Total	ND		10.0	6.00	ug/L			05/16/25 18:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*82*		*56 - 136*		*05/16/25 18:31*	*1*
Dibromofluoromethane	*117*		*79 - 130*		*05/16/25 18:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*59 - 146*		*05/16/25 18:31*	*1*
Toluene-d8 (Surr)	*90*		*64 - 132*		*05/16/25 18:31*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.327	0.327	ug/L		05/11/25 07:00	05/20/25 15:30	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*34*		*10 - 140*	*05/11/25 07:00*	*05/20/25 15:30*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.68	0.406	ug/L		05/10/25 07:00	05/13/25 23:23	1
2,4,5-Trichlorophenol	ND		9.68	0.523	ug/L		05/10/25 07:00	05/13/25 23:23	1
2,4,6-Trichlorophenol	ND		9.68	1.05	ug/L		05/10/25 07:00	05/13/25 23:23	1
2,4-Dichlorophenol	ND		9.68	0.552	ug/L		05/10/25 07:00	05/13/25 23:23	1
2,4-Dimethylphenol	ND		9.68	0.232	ug/L		05/10/25 07:00	05/13/25 23:23	1
2,4-Dinitrophenol	ND		29.0	4.53	ug/L		05/10/25 07:00	05/13/25 23:23	1
2,4-Dinitrotoluene	ND		9.68	0.629	ug/L		05/10/25 07:00	05/13/25 23:23	1
2,6-Dinitrotoluene	ND		9.68	0.281	ug/L		05/10/25 07:00	05/13/25 23:23	1
2-Chloronaphthalene	ND		9.68	0.368	ug/L		05/10/25 07:00	05/13/25 23:23	1
2-Chlorophenol	ND		9.68	0.813	ug/L		05/10/25 07:00	05/13/25 23:23	1

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SW-5
Lab Sample ID: 400-275302-15
Date Collected: 05/05/25 11:40
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		9.68	0.784	ug/L		05/10/25 07:00	05/13/25 23:23	1
2-Methylphenol	ND		9.68	0.735	ug/L		05/10/25 07:00	05/13/25 23:23	1
2-Nitroaniline	ND		9.68	1.33	ug/L		05/10/25 07:00	05/13/25 23:23	1
2-Nitrophenol	ND		9.68	1.13	ug/L		05/10/25 07:00	05/13/25 23:23	1
3 & 4 Methylphenol	ND		19.4	4.45	ug/L		05/10/25 07:00	05/13/25 23:23	1
3,3'-Dichlorobenzidine	ND		10.6	0.397	ug/L		05/10/25 07:00	05/13/25 23:23	1
3-Nitroaniline	ND		9.68	0.919	ug/L		05/10/25 07:00	05/13/25 23:23	1
4,6-Dinitro-2-methylphenol	ND		9.68	1.91	ug/L		05/10/25 07:00	05/13/25 23:23	1
4-Bromophenyl phenyl ether	ND		9.68	0.126	ug/L		05/10/25 07:00	05/13/25 23:23	1
4-Chloro-3-methylphenol	ND		9.68	0.706	ug/L		05/10/25 07:00	05/13/25 23:23	1
4-Chloroaniline	ND		9.68	0.271	ug/L		05/10/25 07:00	05/13/25 23:23	1
4-Chlorophenyl phenyl ether	ND		9.68	0.232	ug/L		05/10/25 07:00	05/13/25 23:23	1
4-Nitroaniline	ND		9.68	3.39	ug/L		05/10/25 07:00	05/13/25 23:23	1
4-Nitrophenol	ND		9.68	2.65	ug/L		05/10/25 07:00	05/13/25 23:23	1
Acenaphthene	ND		9.68	0.610	ug/L		05/10/25 07:00	05/13/25 23:23	1
Acenaphthylene	ND		9.68	0.735	ug/L		05/10/25 07:00	05/13/25 23:23	1
Acetophenone	ND		9.68	3.10	ug/L		05/10/25 07:00	05/13/25 23:23	1
Anthracene	ND		9.68	0.881	ug/L		05/10/25 07:00	05/13/25 23:23	1
Atrazine	ND		9.68	1.09	ug/L		05/10/25 07:00	05/13/25 23:23	1
Benzaldehyde	ND		9.68	0.648	ug/L		05/10/25 07:00	05/13/25 23:23	1
Benzo[a]anthracene	ND		9.68	0.968	ug/L		05/10/25 07:00	05/13/25 23:23	1
Benzo[a]pyrene	ND		9.68	1.06	ug/L		05/10/25 07:00	05/13/25 23:23	1
Benzo[b]fluoranthene	ND		9.68	1.16	ug/L		05/10/25 07:00	05/13/25 23:23	1
Benzo[g,h,i]perylene	ND		9.68	1.45	ug/L		05/10/25 07:00	05/13/25 23:23	1
Benzo[k]fluoranthene	ND		9.68	1.45	ug/L		05/10/25 07:00	05/13/25 23:23	1
bis (2-chloroisopropyl) ether	ND		9.68	0.900	ug/L		05/10/25 07:00	05/13/25 23:23	1
Bis(2-chloroethoxy)methane	ND		9.68	0.329	ug/L		05/10/25 07:00	05/13/25 23:23	1
Bis(2-chloroethyl)ether	ND		9.68	0.706	ug/L		05/10/25 07:00	05/13/25 23:23	1
Bis(2-ethylhexyl) phthalate	ND		9.68	3.87	ug/L		05/10/25 07:00	05/13/25 23:23	1
Butyl benzyl phthalate	ND		9.68	3.87	ug/L		05/10/25 07:00	05/13/25 23:23	1
Caprolactam	ND		9.68	2.32	ug/L		05/10/25 07:00	05/13/25 23:23	1
Carbazole	ND		9.68	0.310	ug/L		05/10/25 07:00	05/13/25 23:23	1
Chrysene	ND		9.68	1.16	ug/L		05/10/25 07:00	05/13/25 23:23	1
Dibenz(a,h)anthracene	ND		9.68	1.26	ug/L		05/10/25 07:00	05/13/25 23:23	1
Dibenzofuran	ND		9.68	0.619	ug/L		05/10/25 07:00	05/13/25 23:23	1
Diethyl phthalate	ND		9.68	3.87	ug/L		05/10/25 07:00	05/13/25 23:23	1
Dimethyl phthalate	ND		9.68	3.87	ug/L		05/10/25 07:00	05/13/25 23:23	1
Di-n-butyl phthalate	ND		9.68	3.87	ug/L		05/10/25 07:00	05/13/25 23:23	1
Di-n-octyl phthalate	ND		9.68	3.87	ug/L		05/10/25 07:00	05/13/25 23:23	1
Fluoranthene	ND		9.68	0.610	ug/L		05/10/25 07:00	05/13/25 23:23	1
Fluorene	ND		9.68	0.648	ug/L		05/10/25 07:00	05/13/25 23:23	1
Hexachlorobenzene	ND		9.68	0.242	ug/L		05/10/25 07:00	05/13/25 23:23	1
Hexachlorobutadiene	ND		9.68	0.532	ug/L		05/10/25 07:00	05/13/25 23:23	1
Hexachlorocyclopentadiene	ND		19.4	0.310	ug/L		05/10/25 07:00	05/13/25 23:23	1
Hexachloroethane	ND		9.68	0.513	ug/L		05/10/25 07:00	05/13/25 23:23	1
Indeno[1,2,3-cd]pyrene	ND		9.68	1.06	ug/L		05/10/25 07:00	05/13/25 23:23	1
Isophorone	ND		9.68	0.774	ug/L		05/10/25 07:00	05/13/25 23:23	1
Naphthalene	ND		9.68	0.726	ug/L		05/10/25 07:00	05/13/25 23:23	1
Nitrobenzene	ND		9.68	0.581	ug/L		05/10/25 07:00	05/13/25 23:23	1

Client Sample ID: SW-5
Lab Sample ID: 400-275302-15
Date Collected: 05/05/25 11:40
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.68	0.319	ug/L		05/10/25 07:00	05/13/25 23:23	1
N-Nitrosodiphenylamine	ND		9.68	0.184	ug/L		05/10/25 07:00	05/13/25 23:23	1
Pentachlorophenol	ND		9.68	2.71	ug/L		05/10/25 07:00	05/13/25 23:23	1
Phenanthrene	ND		9.68	0.716	ug/L		05/10/25 07:00	05/13/25 23:23	1
Phenol	ND		9.68	0.658	ug/L		05/10/25 07:00	05/13/25 23:23	1
Pyrene	ND		9.68	0.610	ug/L		05/10/25 07:00	05/13/25 23:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*10 - 150*	*05/10/25 07:00*	*05/13/25 23:23*	*1*
2-Fluorobiphenyl (Surr)	*73*		*15 - 150*	*05/10/25 07:00*	*05/13/25 23:23*	*1*
2-Fluorophenol (Surr)	*69*		*10 - 150*	*05/10/25 07:00*	*05/13/25 23:23*	*1*
Nitrobenzene-d5 (Surr)	*78*		*50 - 150*	*05/10/25 07:00*	*05/13/25 23:23*	*1*
Phenol-d5 (Surr)	*64*		*10 - 150*	*05/10/25 07:00*	*05/13/25 23:23*	*1*
Terphenyl-d14 (Surr)	*47*		*43 - 147*	*05/10/25 07:00*	*05/13/25 23:23*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**3.64**		0.100	0.0630	mg/L			05/06/25 19:00	1
Sulfate	**25.3**		1.00	0.390	mg/L			05/06/25 19:00	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	2.45	ug/L		05/08/25 12:30	05/09/25 18:40	1
Arsenic	**1.33**	**J**	5.00	1.32	ug/L		05/08/25 12:30	05/09/25 18:40	1
Barium	**67.0**		10.0	0.410	ug/L		05/08/25 12:30	05/09/25 18:40	1
Beryllium	ND		1.00	0.147	ug/L		05/08/25 12:30	05/12/25 17:35	1
Cadmium	**0.248**	**J**	0.700	0.237	ug/L		05/08/25 12:30	05/09/25 18:40	1
Chromium	ND		5.00	3.69	ug/L		05/08/25 12:30	05/09/25 18:40	1
Cobalt	ND		5.00	0.411	ug/L		05/08/25 12:30	05/09/25 18:40	1
Copper	**3.94**		2.00	0.642	ug/L		05/08/25 12:30	05/09/25 18:40	1
Lead	**1.38**		1.00	0.864	ug/L		05/08/25 12:30	05/09/25 18:40	1
Manganese	**199**		5.00	1.29	ug/L		05/08/25 12:30	05/09/25 18:40	1
Nickel	**2.54**	**J**	5.00	0.422	ug/L		05/08/25 12:30	05/09/25 18:40	1
Selenium	ND		5.00	2.29	ug/L		05/08/25 12:30	05/09/25 18:40	1
Silver	ND		1.00	0.167	ug/L		05/08/25 12:30	05/09/25 18:40	1
Thallium	ND		1.00	0.190	ug/L		05/08/25 12:30	05/09/25 18:40	1
Vanadium	**1.83**	**J**	5.00	1.22	ug/L		05/08/25 12:30	05/09/25 18:40	1
Zinc	**13.0**		10.0	8.91	ug/L		05/08/25 12:30	05/09/25 18:40	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.267**		0.200	0.166	ug/L		05/19/25 07:20	05/19/25 12:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**0.0970**		0.0500	0.0460	mg/L			05/18/25 11:18	1

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SW-6
Lab Sample ID: 400-275302-16
Date Collected: 05/05/25 13:30
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**12.5**	**J**	25.0	10.0	ug/L			05/16/25 18:58	1
Benzene	ND		1.00	0.500	ug/L			05/16/25 18:58	1
Bromobenzene	ND		1.00	0.540	ug/L			05/16/25 18:58	1
Bromoform	ND		5.00	0.250	ug/L			05/16/25 18:58	1
Bromomethane	ND		1.00	0.980	ug/L			05/16/25 18:58	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			05/16/25 18:58	1
Carbon disulfide	ND		1.00	0.500	ug/L			05/16/25 18:58	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			05/16/25 18:58	1
Chlorobenzene	ND		1.00	0.420	ug/L			05/16/25 18:58	1
Chlorobromomethane	ND		1.00	0.520	ug/L			05/16/25 18:58	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			05/16/25 18:58	1
Chloroethane	ND		1.00	0.760	ug/L			05/16/25 18:58	1
Chloroform	ND		1.00	0.900	ug/L			05/16/25 18:58	1
Chloromethane	ND		1.00	0.400	ug/L			05/16/25 18:58	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			05/16/25 18:58	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			05/16/25 18:58	1
cis-1,2-Dichloroethene	**0.752**	**J**	1.00	0.200	ug/L			05/16/25 18:58	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			05/16/25 18:58	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			05/16/25 18:58	1
Dibromomethane	ND		5.00	0.220	ug/L			05/16/25 18:58	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			05/16/25 18:58	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			05/16/25 18:58	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			05/16/25 18:58	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			05/16/25 18:58	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			05/16/25 18:58	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			05/16/25 18:58	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			05/16/25 18:58	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			05/16/25 18:58	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			05/16/25 18:58	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			05/16/25 18:58	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			05/16/25 18:58	1
Ethyl acetate	ND		10.0	6.14	ug/L			05/16/25 18:58	1
Ethylbenzene	ND		1.00	0.500	ug/L			05/16/25 18:58	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			05/16/25 18:58	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			05/16/25 18:58	1
Hexane	ND		1.00	0.960	ug/L			05/16/25 18:58	1
2-Hexanone	ND		25.0	4.26	ug/L			05/16/25 18:58	1
Iodomethane	ND		1.00	0.900	ug/L			05/16/25 18:58	1
Isopropylbenzene	ND		1.00	0.530	ug/L			05/16/25 18:58	1
Isopropyl ether	ND		1.00	0.740	ug/L			05/16/25 18:58	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			05/16/25 18:58	1
Methylene Chloride	ND		5.00	3.00	ug/L			05/16/25 18:58	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			05/16/25 18:58	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			05/16/25 18:58	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			05/16/25 18:58	1
Naphthalene	ND		5.00	3.00	ug/L			05/16/25 18:58	1
n-Butylbenzene	ND		1.00	0.760	ug/L			05/16/25 18:58	1
n-Heptane	ND		1.00	0.210	ug/L			05/16/25 18:58	1
N-Propylbenzene	ND		1.00	0.690	ug/L			05/16/25 18:58	1

Client Sample ID: SW-6
Lab Sample ID: 400-275302-16
Date Collected: 05/05/25 13:30
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.00	3.00	ug/L			05/16/25 18:58	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			05/16/25 18:58	1
Styrene	ND		1.00	1.00	ug/L			05/16/25 18:58	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			05/16/25 18:58	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			05/16/25 18:58	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			05/16/25 18:58	1
Tetrachloroethene	ND		1.00	0.330	ug/L			05/16/25 18:58	1
Toluene	ND		1.00	0.900	ug/L			05/16/25 18:58	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			05/16/25 18:58	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			05/16/25 18:58	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			05/16/25 18:58	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			05/16/25 18:58	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			05/16/25 18:58	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			05/16/25 18:58	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			05/16/25 18:58	1
Trichloroethene	ND		1.00	0.150	ug/L			05/16/25 18:58	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			05/16/25 18:58	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			05/16/25 18:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			05/16/25 18:58	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			05/16/25 18:58	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			05/16/25 18:58	1
Vinyl acetate	ND		25.0	0.930	ug/L			05/16/25 18:58	1
Vinyl chloride	ND		1.00	0.500	ug/L			05/16/25 18:58	1
Xylenes, Total	ND		10.0	6.00	ug/L			05/16/25 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*82*		*56 - 136*		*05/16/25 18:58*	*1*
Dibromofluoromethane	*117*		*79 - 130*		*05/16/25 18:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*59 - 146*		*05/16/25 18:58*	*1*
Toluene-d8 (Surr)	*89*		*64 - 132*		*05/16/25 18:58*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.284	0.284	ug/L		05/11/25 07:00	05/20/25 15:52	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*31*		*10 - 140*	*05/11/25 07:00*	*05/20/25 15:52*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.97	0.419	ug/L		05/10/25 07:00	05/13/25 23:54	1
2,4,5-Trichlorophenol	ND		9.97	0.538	ug/L		05/10/25 07:00	05/13/25 23:54	1
2,4,6-Trichlorophenol	ND		9.97	1.09	ug/L		05/10/25 07:00	05/13/25 23:54	1
2,4-Dichlorophenol	ND		9.97	0.568	ug/L		05/10/25 07:00	05/13/25 23:54	1
2,4-Dimethylphenol	ND		9.97	0.239	ug/L		05/10/25 07:00	05/13/25 23:54	1
2,4-Dinitrophenol	ND		29.9	4.66	ug/L		05/10/25 07:00	05/13/25 23:54	1
2,4-Dinitrotoluene	ND		9.97	0.648	ug/L		05/10/25 07:00	05/13/25 23:54	1
2,6-Dinitrotoluene	ND		9.97	0.289	ug/L		05/10/25 07:00	05/13/25 23:54	1
2-Chloronaphthalene	ND		9.97	0.379	ug/L		05/10/25 07:00	05/13/25 23:54	1
2-Chlorophenol	ND		9.97	0.837	ug/L		05/10/25 07:00	05/13/25 23:54	1
2-Methylnaphthalene	ND		9.97	0.807	ug/L		05/10/25 07:00	05/13/25 23:54	1

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SW-6
Lab Sample ID: 400-275302-16
Date Collected: 05/05/25 13:30
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		9.97	0.757	ug/L		05/10/25 07:00	05/13/25 23:54	1
2-Nitroaniline	ND		9.97	1.37	ug/L		05/10/25 07:00	05/13/25 23:54	1
2-Nitrophenol	ND		9.97	1.17	ug/L		05/10/25 07:00	05/13/25 23:54	1
3 & 4 Methylphenol	ND		19.9	4.58	ug/L		05/10/25 07:00	05/13/25 23:54	1
3,3'-Dichlorobenzidine	ND		11.0	0.409	ug/L		05/10/25 07:00	05/13/25 23:54	1
3-Nitroaniline	ND		9.97	0.947	ug/L		05/10/25 07:00	05/13/25 23:54	1
4,6-Dinitro-2-methylphenol	ND		9.97	1.96	ug/L		05/10/25 07:00	05/13/25 23:54	1
4-Bromophenyl phenyl ether	ND		9.97	0.130	ug/L		05/10/25 07:00	05/13/25 23:54	1
4-Chloro-3-methylphenol	ND		9.97	0.728	ug/L		05/10/25 07:00	05/13/25 23:54	1
4-Chloroaniline	ND		9.97	0.279	ug/L		05/10/25 07:00	05/13/25 23:54	1
4-Chlorophenyl phenyl ether	ND		9.97	0.239	ug/L		05/10/25 07:00	05/13/25 23:54	1
4-Nitroaniline	ND		9.97	3.49	ug/L		05/10/25 07:00	05/13/25 23:54	1
4-Nitrophenol	ND		9.97	2.73	ug/L		05/10/25 07:00	05/13/25 23:54	1
Acenaphthene	ND		9.97	0.628	ug/L		05/10/25 07:00	05/13/25 23:54	1
Acenaphthylene	ND		9.97	0.757	ug/L		05/10/25 07:00	05/13/25 23:54	1
Acetophenone	ND		9.97	3.19	ug/L		05/10/25 07:00	05/13/25 23:54	1
Anthracene	ND		9.97	0.907	ug/L		05/10/25 07:00	05/13/25 23:54	1
Atrazine	ND		9.97	1.13	ug/L		05/10/25 07:00	05/13/25 23:54	1
Benzaldehyde	ND		9.97	0.668	ug/L		05/10/25 07:00	05/13/25 23:54	1
Benzo[a]anthracene	ND		9.97	0.997	ug/L		05/10/25 07:00	05/13/25 23:54	1
Benzo[a]pyrene	ND		9.97	1.10	ug/L		05/10/25 07:00	05/13/25 23:54	1
Benzo[b]fluoranthene	ND		9.97	1.20	ug/L		05/10/25 07:00	05/13/25 23:54	1
Benzo[g,h,i]perylene	ND		9.97	1.50	ug/L		05/10/25 07:00	05/13/25 23:54	1
Benzo[k]fluoranthene	ND		9.97	1.50	ug/L		05/10/25 07:00	05/13/25 23:54	1
bis (2-chloroisopropyl) ether	ND		9.97	0.927	ug/L		05/10/25 07:00	05/13/25 23:54	1
Bis(2-chloroethoxy)methane	ND		9.97	0.339	ug/L		05/10/25 07:00	05/13/25 23:54	1
Bis(2-chloroethyl)ether	ND		9.97	0.728	ug/L		05/10/25 07:00	05/13/25 23:54	1
Bis(2-ethylhexyl) phthalate	ND		9.97	3.99	ug/L		05/10/25 07:00	05/13/25 23:54	1
Butyl benzyl phthalate	ND		9.97	3.99	ug/L		05/10/25 07:00	05/13/25 23:54	1
Caprolactam	**2.75**	**J**	9.97	2.39	ug/L		05/10/25 07:00	05/13/25 23:54	1
Carbazole	ND		9.97	0.319	ug/L		05/10/25 07:00	05/13/25 23:54	1
Chrysene	ND		9.97	1.20	ug/L		05/10/25 07:00	05/13/25 23:54	1
Dibenz(a,h)anthracene	ND		9.97	1.30	ug/L		05/10/25 07:00	05/13/25 23:54	1
Dibenzofuran	ND		9.97	0.638	ug/L		05/10/25 07:00	05/13/25 23:54	1
Diethyl phthalate	ND		9.97	3.99	ug/L		05/10/25 07:00	05/13/25 23:54	1
Dimethyl phthalate	ND		9.97	3.99	ug/L		05/10/25 07:00	05/13/25 23:54	1
Di-n-butyl phthalate	ND		9.97	3.99	ug/L		05/10/25 07:00	05/13/25 23:54	1
Di-n-octyl phthalate	ND		9.97	3.99	ug/L		05/10/25 07:00	05/13/25 23:54	1
Fluoranthene	ND		9.97	0.628	ug/L		05/10/25 07:00	05/13/25 23:54	1
Fluorene	ND		9.97	0.668	ug/L		05/10/25 07:00	05/13/25 23:54	1
Hexachlorobenzene	ND		9.97	0.249	ug/L		05/10/25 07:00	05/13/25 23:54	1
Hexachlorobutadiene	ND		9.97	0.548	ug/L		05/10/25 07:00	05/13/25 23:54	1
Hexachlorocyclopentadiene	ND		19.9	0.319	ug/L		05/10/25 07:00	05/13/25 23:54	1
Hexachloroethane	ND		9.97	0.528	ug/L		05/10/25 07:00	05/13/25 23:54	1
Indeno[1,2,3-cd]pyrene	ND		9.97	1.10	ug/L		05/10/25 07:00	05/13/25 23:54	1
Isophorone	ND		9.97	0.797	ug/L		05/10/25 07:00	05/13/25 23:54	1
Naphthalene	ND		9.97	0.748	ug/L		05/10/25 07:00	05/13/25 23:54	1
Nitrobenzene	ND		9.97	0.598	ug/L		05/10/25 07:00	05/13/25 23:54	1
N-Nitrosodi-n-propylamine	ND		9.97	0.329	ug/L		05/10/25 07:00	05/13/25 23:54	1

Client Sample ID: SW-6
Lab Sample ID: 400-275302-16
Date Collected: 05/05/25 13:30
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.97	0.189	ug/L		05/10/25 07:00	05/13/25 23:54	1
Pentachlorophenol	ND		9.97	2.79	ug/L		05/10/25 07:00	05/13/25 23:54	1
Phenanthrene	ND		9.97	0.738	ug/L		05/10/25 07:00	05/13/25 23:54	1
Phenol	ND		9.97	0.678	ug/L		05/10/25 07:00	05/13/25 23:54	1
Pyrene	ND		9.97	0.628	ug/L		05/10/25 07:00	05/13/25 23:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*10 - 150*	*05/10/25 07:00*	*05/13/25 23:54*	*1*
2-Fluorobiphenyl (Surr)	*67*		*15 - 150*	*05/10/25 07:00*	*05/13/25 23:54*	*1*
2-Fluorophenol (Surr)	*82*		*10 - 150*	*05/10/25 07:00*	*05/13/25 23:54*	*1*
Nitrobenzene-d5 (Surr)	*71*		*50 - 150*	*05/10/25 07:00*	*05/13/25 23:54*	*1*
Phenol-d5 (Surr)	*85*		*10 - 150*	*05/10/25 07:00*	*05/13/25 23:54*	*1*
Terphenyl-d14 (Surr)	*60*		*43 - 147*	*05/10/25 07:00*	*05/13/25 23:54*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.403**		0.100	0.0630	mg/L			05/06/25 19:08	1
Sulfate	**30.5**		1.00	0.390	mg/L			05/06/25 19:08	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	2.45	ug/L		05/08/25 12:30	05/09/25 18:42	1
Arsenic	**2.65**	**J**	5.00	1.32	ug/L		05/08/25 12:30	05/09/25 18:42	1
Barium	**66.7**		10.0	0.410	ug/L		05/08/25 12:30	05/09/25 18:42	1
Beryllium	ND		1.00	0.147	ug/L		05/08/25 12:30	05/12/25 17:37	1
Cadmium	ND		0.700	0.237	ug/L		05/08/25 12:30	05/09/25 18:42	1
Chromium	**8.50**		5.00	3.69	ug/L		05/08/25 12:30	05/09/25 18:42	1
Cobalt	**3.55**	**J**	5.00	0.411	ug/L		05/08/25 12:30	05/09/25 18:42	1
Copper	**19.8**		2.00	0.642	ug/L		05/08/25 12:30	05/09/25 18:42	1
Lead	**22.2**		1.00	0.864	ug/L		05/08/25 12:30	05/09/25 18:42	1
Manganese	**213**		5.00	1.29	ug/L		05/08/25 12:30	05/09/25 18:42	1
Nickel	**8.55**		5.00	0.422	ug/L		05/08/25 12:30	05/09/25 18:42	1
Selenium	ND		5.00	2.29	ug/L		05/08/25 12:30	05/09/25 18:42	1
Silver	ND		1.00	0.167	ug/L		05/08/25 12:30	05/09/25 18:42	1
Thallium	ND		1.00	0.190	ug/L		05/08/25 12:30	05/09/25 18:42	1
Vanadium	**12.0**		5.00	1.22	ug/L		05/08/25 12:30	05/09/25 18:42	1
Zinc	**69.2**		10.0	8.91	ug/L		05/08/25 12:30	05/09/25 18:42	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.184**	**J**	0.200	0.166	ug/L		05/19/25 07:20	05/19/25 12:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**0.192**		0.0500	0.0460	mg/L			05/18/25 11:20	1

Client Sample ID: SW-7
Lab Sample ID: 400-275302-17
Date Collected: 05/05/25 17:30
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0	10.0	ug/L			05/16/25 19:25	1
Benzene	ND		1.00	0.500	ug/L			05/16/25 19:25	1
Bromobenzene	ND		1.00	0.540	ug/L			05/16/25 19:25	1
Bromoform	ND		5.00	0.250	ug/L			05/16/25 19:25	1
Bromomethane	ND		1.00	0.980	ug/L			05/16/25 19:25	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			05/16/25 19:25	1
Carbon disulfide	ND		1.00	0.500	ug/L			05/16/25 19:25	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			05/16/25 19:25	1
Chlorobenzene	ND		1.00	0.420	ug/L			05/16/25 19:25	1
Chlorobromomethane	ND		1.00	0.520	ug/L			05/16/25 19:25	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			05/16/25 19:25	1
Chloroethane	ND		1.00	0.760	ug/L			05/16/25 19:25	1
Chloroform	ND		1.00	0.900	ug/L			05/16/25 19:25	1
Chloromethane	ND		1.00	0.400	ug/L			05/16/25 19:25	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			05/16/25 19:25	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			05/16/25 19:25	1
cis-1,2-Dichloroethene	**2.11**		1.00	0.200	ug/L			05/16/25 19:25	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			05/16/25 19:25	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			05/16/25 19:25	1
Dibromomethane	ND		5.00	0.220	ug/L			05/16/25 19:25	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			05/16/25 19:25	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			05/16/25 19:25	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			05/16/25 19:25	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			05/16/25 19:25	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			05/16/25 19:25	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			05/16/25 19:25	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			05/16/25 19:25	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			05/16/25 19:25	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			05/16/25 19:25	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			05/16/25 19:25	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			05/16/25 19:25	1
Ethyl acetate	ND		10.0	6.14	ug/L			05/16/25 19:25	1
Ethylbenzene	ND		1.00	0.500	ug/L			05/16/25 19:25	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			05/16/25 19:25	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			05/16/25 19:25	1
Hexane	ND		1.00	0.960	ug/L			05/16/25 19:25	1
2-Hexanone	ND		25.0	4.26	ug/L			05/16/25 19:25	1
Iodomethane	ND		1.00	0.900	ug/L			05/16/25 19:25	1
Isopropylbenzene	ND		1.00	0.530	ug/L			05/16/25 19:25	1
Isopropyl ether	ND		1.00	0.740	ug/L			05/16/25 19:25	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			05/16/25 19:25	1
Methylene Chloride	ND		5.00	3.00	ug/L			05/16/25 19:25	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			05/16/25 19:25	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			05/16/25 19:25	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			05/16/25 19:25	1
Naphthalene	ND		5.00	3.00	ug/L			05/16/25 19:25	1
n-Butylbenzene	ND		1.00	0.760	ug/L			05/16/25 19:25	1
n-Heptane	ND		1.00	0.210	ug/L			05/16/25 19:25	1
N-Propylbenzene	ND		1.00	0.690	ug/L			05/16/25 19:25	1

Client Sample ID: SW-7
Lab Sample ID: 400-275302-17
Date Collected: 05/05/25 17:30
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.00	3.00	ug/L			05/16/25 19:25	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			05/16/25 19:25	1
Styrene	ND		1.00	1.00	ug/L			05/16/25 19:25	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			05/16/25 19:25	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			05/16/25 19:25	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			05/16/25 19:25	1
Tetrachloroethene	ND		1.00	0.330	ug/L			05/16/25 19:25	1
Toluene	ND		1.00	0.900	ug/L			05/16/25 19:25	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			05/16/25 19:25	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			05/16/25 19:25	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			05/16/25 19:25	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			05/16/25 19:25	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			05/16/25 19:25	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			05/16/25 19:25	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			05/16/25 19:25	1
Trichloroethene	**0.348**	**J**	1.00	0.150	ug/L			05/16/25 19:25	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			05/16/25 19:25	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			05/16/25 19:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			05/16/25 19:25	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			05/16/25 19:25	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			05/16/25 19:25	1
Vinyl acetate	ND		25.0	0.930	ug/L			05/16/25 19:25	1
Vinyl chloride	ND		1.00	0.500	ug/L			05/16/25 19:25	1
Xylenes, Total	ND		10.0	6.00	ug/L			05/16/25 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*83*		*56 - 136*		*05/16/25 19:25*	*1*
Dibromofluoromethane	*115*		*79 - 130*		*05/16/25 19:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*59 - 146*		*05/16/25 19:25*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*05/16/25 19:25*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.286	0.286	ug/L		05/11/25 07:00	05/20/25 16:14	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*43*		*10 - 140*	*05/11/25 07:00*	*05/20/25 16:14*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.0	0.420	ug/L		05/10/25 07:00	05/14/25 00:25	1
2,4,5-Trichlorophenol	ND		10.0	0.540	ug/L		05/10/25 07:00	05/14/25 00:25	1
2,4,6-Trichlorophenol	ND		10.0	1.09	ug/L		05/10/25 07:00	05/14/25 00:25	1
2,4-Dichlorophenol	ND		10.0	0.570	ug/L		05/10/25 07:00	05/14/25 00:25	1
2,4-Dimethylphenol	ND		10.0	0.240	ug/L		05/10/25 07:00	05/14/25 00:25	1
2,4-Dinitrophenol	ND		30.0	4.68	ug/L		05/10/25 07:00	05/14/25 00:25	1
2,4-Dinitrotoluene	ND		10.0	0.650	ug/L		05/10/25 07:00	05/14/25 00:25	1
2,6-Dinitrotoluene	ND		10.0	0.290	ug/L		05/10/25 07:00	05/14/25 00:25	1
2-Chloronaphthalene	ND		10.0	0.380	ug/L		05/10/25 07:00	05/14/25 00:25	1
2-Chlorophenol	ND		10.0	0.840	ug/L		05/10/25 07:00	05/14/25 00:25	1
2-Methylnaphthalene	ND		10.0	0.810	ug/L		05/10/25 07:00	05/14/25 00:25	1

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SW-7
Lab Sample ID: 400-275302-17
Date Collected: 05/05/25 17:30
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		10.0	0.760	ug/L		05/10/25 07:00	05/14/25 00:25	1
2-Nitroaniline	ND		10.0	1.37	ug/L		05/10/25 07:00	05/14/25 00:25	1
2-Nitrophenol	ND		10.0	1.17	ug/L		05/10/25 07:00	05/14/25 00:25	1
3 & 4 Methylphenol	ND		20.0	4.60	ug/L		05/10/25 07:00	05/14/25 00:25	1
3,3'-Dichlorobenzidine	ND		11.0	0.410	ug/L		05/10/25 07:00	05/14/25 00:25	1
3-Nitroaniline	ND		10.0	0.950	ug/L		05/10/25 07:00	05/14/25 00:25	1
4,6-Dinitro-2-methylphenol	ND		10.0	1.97	ug/L		05/10/25 07:00	05/14/25 00:25	1
4-Bromophenyl phenyl ether	ND		10.0	0.130	ug/L		05/10/25 07:00	05/14/25 00:25	1
4-Chloro-3-methylphenol	ND		10.0	0.730	ug/L		05/10/25 07:00	05/14/25 00:25	1
4-Chloroaniline	ND		10.0	0.280	ug/L		05/10/25 07:00	05/14/25 00:25	1
4-Chlorophenyl phenyl ether	ND		10.0	0.240	ug/L		05/10/25 07:00	05/14/25 00:25	1
4-Nitroaniline	ND		10.0	3.50	ug/L		05/10/25 07:00	05/14/25 00:25	1
4-Nitrophenol	ND		10.0	2.74	ug/L		05/10/25 07:00	05/14/25 00:25	1
Acenaphthene	ND		10.0	0.630	ug/L		05/10/25 07:00	05/14/25 00:25	1
Acenaphthylene	ND		10.0	0.760	ug/L		05/10/25 07:00	05/14/25 00:25	1
Acetophenone	ND		10.0	3.20	ug/L		05/10/25 07:00	05/14/25 00:25	1
Anthracene	ND		10.0	0.910	ug/L		05/10/25 07:00	05/14/25 00:25	1
Atrazine	ND		10.0	1.13	ug/L		05/10/25 07:00	05/14/25 00:25	1
Benzaldehyde	ND		10.0	0.670	ug/L		05/10/25 07:00	05/14/25 00:25	1
Benzo[a]anthracene	ND		10.0	1.00	ug/L		05/10/25 07:00	05/14/25 00:25	1
Benzo[a]pyrene	ND		10.0	1.10	ug/L		05/10/25 07:00	05/14/25 00:25	1
Benzo[b]fluoranthene	ND		10.0	1.20	ug/L		05/10/25 07:00	05/14/25 00:25	1
Benzo[g,h,i]perylene	ND		10.0	1.50	ug/L		05/10/25 07:00	05/14/25 00:25	1
Benzo[k]fluoranthene	ND		10.0	1.50	ug/L		05/10/25 07:00	05/14/25 00:25	1
bis (2-chloroisopropyl) ether	ND		10.0	0.930	ug/L		05/10/25 07:00	05/14/25 00:25	1
Bis(2-chloroethoxy)methane	ND		10.0	0.340	ug/L		05/10/25 07:00	05/14/25 00:25	1
Bis(2-chloroethyl)ether	ND		10.0	0.730	ug/L		05/10/25 07:00	05/14/25 00:25	1
Bis(2-ethylhexyl) phthalate	ND		10.0	4.00	ug/L		05/10/25 07:00	05/14/25 00:25	1
Butyl benzyl phthalate	ND		10.0	4.00	ug/L		05/10/25 07:00	05/14/25 00:25	1
Caprolactam	ND		10.0	2.40	ug/L		05/10/25 07:00	05/14/25 00:25	1
Carbazole	ND		10.0	0.320	ug/L		05/10/25 07:00	05/14/25 00:25	1
Chrysene	ND		10.0	1.20	ug/L		05/10/25 07:00	05/14/25 00:25	1
Dibenz(a,h)anthracene	ND		10.0	1.30	ug/L		05/10/25 07:00	05/14/25 00:25	1
Dibenzofuran	ND		10.0	0.640	ug/L		05/10/25 07:00	05/14/25 00:25	1
Diethyl phthalate	ND		10.0	4.00	ug/L		05/10/25 07:00	05/14/25 00:25	1
Dimethyl phthalate	ND		10.0	4.00	ug/L		05/10/25 07:00	05/14/25 00:25	1
Di-n-butyl phthalate	ND		10.0	4.00	ug/L		05/10/25 07:00	05/14/25 00:25	1
Di-n-octyl phthalate	ND		10.0	4.00	ug/L		05/10/25 07:00	05/14/25 00:25	1
Fluoranthene	ND		10.0	0.630	ug/L		05/10/25 07:00	05/14/25 00:25	1
Fluorene	ND		10.0	0.670	ug/L		05/10/25 07:00	05/14/25 00:25	1
Hexachlorobenzene	ND		10.0	0.250	ug/L		05/10/25 07:00	05/14/25 00:25	1
Hexachlorobutadiene	ND		10.0	0.550	ug/L		05/10/25 07:00	05/14/25 00:25	1
Hexachlorocyclopentadiene	ND		20.0	0.320	ug/L		05/10/25 07:00	05/14/25 00:25	1
Hexachloroethane	ND		10.0	0.530	ug/L		05/10/25 07:00	05/14/25 00:25	1
Indeno[1,2,3-cd]pyrene	ND		10.0	1.10	ug/L		05/10/25 07:00	05/14/25 00:25	1
Isophorone	ND		10.0	0.800	ug/L		05/10/25 07:00	05/14/25 00:25	1
Naphthalene	ND		10.0	0.750	ug/L		05/10/25 07:00	05/14/25 00:25	1
Nitrobenzene	ND		10.0	0.600	ug/L		05/10/25 07:00	05/14/25 00:25	1
N-Nitrosodi-n-propylamine	ND		10.0	0.330	ug/L		05/10/25 07:00	05/14/25 00:25	1

Client Sample ID: SW-7
Lab Sample ID: 400-275302-17
Date Collected: 05/05/25 17:30
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		10.0	0.190	ug/L		05/10/25 07:00	05/14/25 00:25	1
Pentachlorophenol	ND		10.0	2.80	ug/L		05/10/25 07:00	05/14/25 00:25	1
Phenanthrene	ND		10.0	0.740	ug/L		05/10/25 07:00	05/14/25 00:25	1
Phenol	ND		10.0	0.680	ug/L		05/10/25 07:00	05/14/25 00:25	1
Pyrene	ND		10.0	0.630	ug/L		05/10/25 07:00	05/14/25 00:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*10 - 150*	*05/10/25 07:00*	*05/14/25 00:25*	*1*
2-Fluorobiphenyl (Surr)	*70*		*15 - 150*	*05/10/25 07:00*	*05/14/25 00:25*	*1*
2-Fluorophenol (Surr)	*76*		*10 - 150*	*05/10/25 07:00*	*05/14/25 00:25*	*1*
Nitrobenzene-d5 (Surr)	*74*		*50 - 150*	*05/10/25 07:00*	*05/14/25 00:25*	*1*
Phenol-d5 (Surr)	*75*		*10 - 150*	*05/10/25 07:00*	*05/14/25 00:25*	*1*
Terphenyl-d14 (Surr)	*62*		*43 - 147*	*05/10/25 07:00*	*05/14/25 00:25*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.375**		0.100	0.0630	mg/L			05/06/25 19:17	1
Sulfate	**8.08**		1.00	0.390	mg/L			05/06/25 19:17	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	2.45	ug/L		05/08/25 12:30	05/09/25 18:45	1
Arsenic	**2.42**	**J**	5.00	1.32	ug/L		05/08/25 12:30	05/09/25 18:45	1
Barium	**59.4**		10.0	0.410	ug/L		05/08/25 12:30	05/09/25 18:45	1
Beryllium	ND		1.00	0.147	ug/L		05/08/25 12:30	05/09/25 18:45	1
Cadmium	ND		0.700	0.237	ug/L		05/08/25 12:30	05/09/25 18:45	1
Chromium	**5.11**		5.00	3.69	ug/L		05/08/25 12:30	05/09/25 18:45	1
Cobalt	**1.56**	**J**	5.00	0.411	ug/L		05/08/25 12:30	05/09/25 18:45	1
Copper	**15.4**		2.00	0.642	ug/L		05/08/25 12:30	05/09/25 18:45	1
Lead	**11.9**		1.00	0.864	ug/L		05/08/25 12:30	05/09/25 18:45	1
Manganese	**124**		5.00	1.29	ug/L		05/08/25 12:30	05/09/25 18:45	1
Nickel	**5.35**		5.00	0.422	ug/L		05/08/25 12:30	05/09/25 18:45	1
Selenium	ND		5.00	2.29	ug/L		05/08/25 12:30	05/09/25 18:45	1
Silver	ND		1.00	0.167	ug/L		05/08/25 12:30	05/09/25 18:45	1
Thallium	ND		1.00	0.190	ug/L		05/08/25 12:30	05/09/25 18:45	1
Vanadium	**7.46**		5.00	1.22	ug/L		05/08/25 12:30	05/09/25 18:45	1
Zinc	**54.3**		10.0	8.91	ug/L		05/08/25 12:30	05/09/25 18:45	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.166	ug/L		05/19/25 07:20	05/19/25 12:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**0.137**		0.0500	0.0460	mg/L			05/18/25 11:23	1

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SW-8
Lab Sample ID: 400-275302-18
Date Collected: 05/05/25 18:00
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0	10.0	ug/L			05/16/25 19:53	1
Benzene	ND		1.00	0.500	ug/L			05/16/25 19:53	1
Bromobenzene	ND		1.00	0.540	ug/L			05/16/25 19:53	1
Bromoform	ND		5.00	0.250	ug/L			05/16/25 19:53	1
Bromomethane	ND		1.00	0.980	ug/L			05/16/25 19:53	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			05/16/25 19:53	1
Carbon disulfide	ND		1.00	0.500	ug/L			05/16/25 19:53	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			05/16/25 19:53	1
Chlorobenzene	ND		1.00	0.420	ug/L			05/16/25 19:53	1
Chlorobromomethane	ND		1.00	0.520	ug/L			05/16/25 19:53	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			05/16/25 19:53	1
Chloroethane	ND		1.00	0.760	ug/L			05/16/25 19:53	1
Chloroform	ND		1.00	0.900	ug/L			05/16/25 19:53	1
Chloromethane	ND		1.00	0.400	ug/L			05/16/25 19:53	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			05/16/25 19:53	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			05/16/25 19:53	1
cis-1,2-Dichloroethene	**2.16**		1.00	0.200	ug/L			05/16/25 19:53	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			05/16/25 19:53	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			05/16/25 19:53	1
Dibromomethane	ND		5.00	0.220	ug/L			05/16/25 19:53	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			05/16/25 19:53	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			05/16/25 19:53	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			05/16/25 19:53	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			05/16/25 19:53	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			05/16/25 19:53	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			05/16/25 19:53	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			05/16/25 19:53	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			05/16/25 19:53	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			05/16/25 19:53	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			05/16/25 19:53	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			05/16/25 19:53	1
Ethyl acetate	ND		10.0	6.14	ug/L			05/16/25 19:53	1
Ethylbenzene	ND		1.00	0.500	ug/L			05/16/25 19:53	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			05/16/25 19:53	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			05/16/25 19:53	1
Hexane	ND		1.00	0.960	ug/L			05/16/25 19:53	1
2-Hexanone	ND		25.0	4.26	ug/L			05/16/25 19:53	1
Iodomethane	ND		1.00	0.900	ug/L			05/16/25 19:53	1
Isopropylbenzene	ND		1.00	0.530	ug/L			05/16/25 19:53	1
Isopropyl ether	ND		1.00	0.740	ug/L			05/16/25 19:53	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			05/16/25 19:53	1
Methylene Chloride	ND		5.00	3.00	ug/L			05/16/25 19:53	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			05/16/25 19:53	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			05/16/25 19:53	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			05/16/25 19:53	1
Naphthalene	ND		5.00	3.00	ug/L			05/16/25 19:53	1
n-Butylbenzene	ND		1.00	0.760	ug/L			05/16/25 19:53	1
n-Heptane	ND		1.00	0.210	ug/L			05/16/25 19:53	1
N-Propylbenzene	ND		1.00	0.690	ug/L			05/16/25 19:53	1

Client Sample ID: SW-8
Lab Sample ID: 400-275302-18
Date Collected: 05/05/25 18:00
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.00	3.00	ug/L			05/16/25 19:53	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			05/16/25 19:53	1
Styrene	ND		1.00	1.00	ug/L			05/16/25 19:53	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			05/16/25 19:53	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			05/16/25 19:53	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			05/16/25 19:53	1
Tetrachloroethene	ND		1.00	0.330	ug/L			05/16/25 19:53	1
Toluene	ND		1.00	0.900	ug/L			05/16/25 19:53	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			05/16/25 19:53	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			05/16/25 19:53	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			05/16/25 19:53	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			05/16/25 19:53	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			05/16/25 19:53	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			05/16/25 19:53	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			05/16/25 19:53	1
Trichloroethene	**0.343**	**J**	1.00	0.150	ug/L			05/16/25 19:53	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			05/16/25 19:53	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			05/16/25 19:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			05/16/25 19:53	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			05/16/25 19:53	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			05/16/25 19:53	1
Vinyl acetate	ND		25.0	0.930	ug/L			05/16/25 19:53	1
Vinyl chloride	ND		1.00	0.500	ug/L			05/16/25 19:53	1
Xylenes, Total	ND		10.0	6.00	ug/L			05/16/25 19:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*82*		*56 - 136*		*05/16/25 19:53*	*1*
Dibromofluoromethane	*115*		*79 - 130*		*05/16/25 19:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*59 - 146*		*05/16/25 19:53*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*05/16/25 19:53*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.296	0.296	ug/L		05/11/25 07:00	05/20/25 16:37	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*40*		*10 - 140*	*05/11/25 07:00*	*05/20/25 16:37*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.93	0.417	ug/L		05/10/25 07:00	05/14/25 00:56	1
2,4,5-Trichlorophenol	ND		9.93	0.536	ug/L		05/10/25 07:00	05/14/25 00:56	1
2,4,6-Trichlorophenol	ND		9.93	1.08	ug/L		05/10/25 07:00	05/14/25 00:56	1
2,4-Dichlorophenol	ND		9.93	0.566	ug/L		05/10/25 07:00	05/14/25 00:56	1
2,4-Dimethylphenol	ND		9.93	0.238	ug/L		05/10/25 07:00	05/14/25 00:56	1
2,4-Dinitrophenol	ND		29.8	4.65	ug/L		05/10/25 07:00	05/14/25 00:56	1
2,4-Dinitrotoluene	ND		9.93	0.646	ug/L		05/10/25 07:00	05/14/25 00:56	1
2,6-Dinitrotoluene	ND		9.93	0.288	ug/L		05/10/25 07:00	05/14/25 00:56	1
2-Chloronaphthalene	ND		9.93	0.377	ug/L		05/10/25 07:00	05/14/25 00:56	1
2-Chlorophenol	ND		9.93	0.834	ug/L		05/10/25 07:00	05/14/25 00:56	1
2-Methylnaphthalene	ND		9.93	0.805	ug/L		05/10/25 07:00	05/14/25 00:56	1

Client Sample ID: SW-8
Lab Sample ID: 400-275302-18
Date Collected: 05/05/25 18:00
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		9.93	0.755	ug/L		05/10/25 07:00	05/14/25 00:56	1
2-Nitroaniline	ND		9.93	1.36	ug/L		05/10/25 07:00	05/14/25 00:56	1
2-Nitrophenol	ND		9.93	1.16	ug/L		05/10/25 07:00	05/14/25 00:56	1
3 & 4 Methylphenol	ND		19.9	4.57	ug/L		05/10/25 07:00	05/14/25 00:56	1
3,3'-Dichlorobenzidine	ND		10.9	0.407	ug/L		05/10/25 07:00	05/14/25 00:56	1
3-Nitroaniline	ND		9.93	0.944	ug/L		05/10/25 07:00	05/14/25 00:56	1
4,6-Dinitro-2-methylphenol	ND		9.93	1.96	ug/L		05/10/25 07:00	05/14/25 00:56	1
4-Bromophenyl phenyl ether	ND		9.93	0.129	ug/L		05/10/25 07:00	05/14/25 00:56	1
4-Chloro-3-methylphenol	ND		9.93	0.725	ug/L		05/10/25 07:00	05/14/25 00:56	1
4-Chloroaniline	ND		9.93	0.278	ug/L		05/10/25 07:00	05/14/25 00:56	1
4-Chlorophenyl phenyl ether	ND		9.93	0.238	ug/L		05/10/25 07:00	05/14/25 00:56	1
4-Nitroaniline	ND		9.93	3.48	ug/L		05/10/25 07:00	05/14/25 00:56	1
4-Nitrophenol	ND		9.93	2.72	ug/L		05/10/25 07:00	05/14/25 00:56	1
Acenaphthene	ND		9.93	0.626	ug/L		05/10/25 07:00	05/14/25 00:56	1
Acenaphthylene	ND		9.93	0.755	ug/L		05/10/25 07:00	05/14/25 00:56	1
Acetophenone	ND		9.93	3.18	ug/L		05/10/25 07:00	05/14/25 00:56	1
Anthracene	ND		9.93	0.904	ug/L		05/10/25 07:00	05/14/25 00:56	1
Atrazine	ND		9.93	1.12	ug/L		05/10/25 07:00	05/14/25 00:56	1
Benzaldehyde	ND		9.93	0.666	ug/L		05/10/25 07:00	05/14/25 00:56	1
Benzo[a]anthracene	ND		9.93	0.993	ug/L		05/10/25 07:00	05/14/25 00:56	1
Benzo[a]pyrene	ND		9.93	1.09	ug/L		05/10/25 07:00	05/14/25 00:56	1
Benzo[b]fluoranthene	ND		9.93	1.19	ug/L		05/10/25 07:00	05/14/25 00:56	1
Benzo[g,h,i]perylene	ND		9.93	1.49	ug/L		05/10/25 07:00	05/14/25 00:56	1
Benzo[k]fluoranthene	ND		9.93	1.49	ug/L		05/10/25 07:00	05/14/25 00:56	1
bis (2-chloroisopropyl) ether	ND		9.93	0.924	ug/L		05/10/25 07:00	05/14/25 00:56	1
Bis(2-chloroethoxy)methane	ND		9.93	0.338	ug/L		05/10/25 07:00	05/14/25 00:56	1
Bis(2-chloroethyl)ether	ND		9.93	0.725	ug/L		05/10/25 07:00	05/14/25 00:56	1
Bis(2-ethylhexyl) phthalate	ND		9.93	3.97	ug/L		05/10/25 07:00	05/14/25 00:56	1
Butyl benzyl phthalate	ND		9.93	3.97	ug/L		05/10/25 07:00	05/14/25 00:56	1
Caprolactam	ND		9.93	2.38	ug/L		05/10/25 07:00	05/14/25 00:56	1
Carbazole	ND		9.93	0.318	ug/L		05/10/25 07:00	05/14/25 00:56	1
Chrysene	ND		9.93	1.19	ug/L		05/10/25 07:00	05/14/25 00:56	1
Dibenz(a,h)anthracene	ND		9.93	1.29	ug/L		05/10/25 07:00	05/14/25 00:56	1
Dibenzofuran	ND		9.93	0.636	ug/L		05/10/25 07:00	05/14/25 00:56	1
Diethyl phthalate	ND		9.93	3.97	ug/L		05/10/25 07:00	05/14/25 00:56	1
Dimethyl phthalate	ND		9.93	3.97	ug/L		05/10/25 07:00	05/14/25 00:56	1
Di-n-butyl phthalate	ND		9.93	3.97	ug/L		05/10/25 07:00	05/14/25 00:56	1
Di-n-octyl phthalate	ND		9.93	3.97	ug/L		05/10/25 07:00	05/14/25 00:56	1
Fluoranthene	ND		9.93	0.626	ug/L		05/10/25 07:00	05/14/25 00:56	1
Fluorene	ND		9.93	0.666	ug/L		05/10/25 07:00	05/14/25 00:56	1
Hexachlorobenzene	ND		9.93	0.248	ug/L		05/10/25 07:00	05/14/25 00:56	1
Hexachlorobutadiene	ND		9.93	0.546	ug/L		05/10/25 07:00	05/14/25 00:56	1
Hexachlorocyclopentadiene	ND		19.9	0.318	ug/L		05/10/25 07:00	05/14/25 00:56	1
Hexachloroethane	ND		9.93	0.526	ug/L		05/10/25 07:00	05/14/25 00:56	1
Indeno[1,2,3-cd]pyrene	ND		9.93	1.09	ug/L		05/10/25 07:00	05/14/25 00:56	1
Isophorone	ND		9.93	0.795	ug/L		05/10/25 07:00	05/14/25 00:56	1
Naphthalene	ND		9.93	0.745	ug/L		05/10/25 07:00	05/14/25 00:56	1
Nitrobenzene	ND		9.93	0.596	ug/L		05/10/25 07:00	05/14/25 00:56	1
N-Nitrosodi-n-propylamine	ND		9.93	0.328	ug/L		05/10/25 07:00	05/14/25 00:56	1

Client Sample ID: SW-8
Lab Sample ID: 400-275302-18

Date Collected: 05/05/25 18:00
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.93	0.189	ug/L		05/10/25 07:00	05/14/25 00:56	1
Pentachlorophenol	ND		9.93	2.78	ug/L		05/10/25 07:00	05/14/25 00:56	1
Phenanthrene	ND		9.93	0.735	ug/L		05/10/25 07:00	05/14/25 00:56	1
Phenol	ND		9.93	0.675	ug/L		05/10/25 07:00	05/14/25 00:56	1
Pyrene	ND		9.93	0.626	ug/L		05/10/25 07:00	05/14/25 00:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*10 - 150*	*05/10/25 07:00*	*05/14/25 00:56*	*1*
2-Fluorobiphenyl (Surr)	*69*		*15 - 150*	*05/10/25 07:00*	*05/14/25 00:56*	*1*
2-Fluorophenol (Surr)	*60*		*10 - 150*	*05/10/25 07:00*	*05/14/25 00:56*	*1*
Nitrobenzene-d5 (Surr)	*76*		*50 - 150*	*05/10/25 07:00*	*05/14/25 00:56*	*1*
Phenol-d5 (Surr)	*55*		*10 - 150*	*05/10/25 07:00*	*05/14/25 00:56*	*1*
Terphenyl-d14 (Surr)	*66*		*43 - 147*	*05/10/25 07:00*	*05/14/25 00:56*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.369**		0.100	0.0630	mg/L			05/06/25 19:25	1
Sulfate	**8.74**		1.00	0.390	mg/L			05/06/25 19:25	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	2.45	ug/L		05/08/25 12:30	05/09/25 18:47	1
Arsenic	**2.26**	**J**	5.00	1.32	ug/L		05/08/25 12:30	05/09/25 18:47	1
Barium	**55.4**		10.0	0.410	ug/L		05/08/25 12:30	05/09/25 18:47	1
Beryllium	ND		1.00	0.147	ug/L		05/08/25 12:30	05/12/25 17:39	1
Cadmium	ND		0.700	0.237	ug/L		05/08/25 12:30	05/09/25 18:47	1
Chromium	**5.22**		5.00	3.69	ug/L		05/08/25 12:30	05/09/25 18:47	1
Cobalt	**1.22**	**J**	5.00	0.411	ug/L		05/08/25 12:30	05/09/25 18:47	1
Copper	**12.8**		2.00	0.642	ug/L		05/08/25 12:30	05/09/25 18:47	1
Lead	**7.46**		1.00	0.864	ug/L		05/08/25 12:30	05/09/25 18:47	1
Manganese	**99.9**		5.00	1.29	ug/L		05/08/25 12:30	05/09/25 18:47	1
Nickel	**4.93**	**J**	5.00	0.422	ug/L		05/08/25 12:30	05/09/25 18:47	1
Selenium	ND		5.00	2.29	ug/L		05/08/25 12:30	05/09/25 18:47	1
Silver	ND		1.00	0.167	ug/L		05/08/25 12:30	05/09/25 18:47	1
Thallium	ND		1.00	0.190	ug/L		05/08/25 12:30	05/09/25 18:47	1
Vanadium	**7.62**		5.00	1.22	ug/L		05/08/25 12:30	05/09/25 18:47	1
Zinc	**40.9**		10.0	8.91	ug/L		05/08/25 12:30	05/09/25 18:47	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.166	ug/L		05/19/25 07:20	05/19/25 12:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**0.126**		0.0500	0.0460	mg/L			05/18/25 11:26	1

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SW-9
Lab Sample ID: 400-275302-19
Date Collected: 05/05/25 18:30
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0	10.0	ug/L			05/16/25 20:20	1
Benzene	ND		1.00	0.500	ug/L			05/16/25 20:20	1
Bromobenzene	ND		1.00	0.540	ug/L			05/16/25 20:20	1
Bromoform	ND		5.00	0.250	ug/L			05/16/25 20:20	1
Bromomethane	ND		1.00	0.980	ug/L			05/16/25 20:20	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			05/16/25 20:20	1
Carbon disulfide	ND		1.00	0.500	ug/L			05/16/25 20:20	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			05/16/25 20:20	1
Chlorobenzene	ND		1.00	0.420	ug/L			05/16/25 20:20	1
Chlorobromomethane	ND		1.00	0.520	ug/L			05/16/25 20:20	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			05/16/25 20:20	1
Chloroethane	ND		1.00	0.760	ug/L			05/16/25 20:20	1
Chloroform	ND		1.00	0.900	ug/L			05/16/25 20:20	1
Chloromethane	ND		1.00	0.400	ug/L			05/16/25 20:20	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			05/16/25 20:20	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			05/16/25 20:20	1
cis-1,2-Dichloroethene	**2.05**		1.00	0.200	ug/L			05/16/25 20:20	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			05/16/25 20:20	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			05/16/25 20:20	1
Dibromomethane	ND		5.00	0.220	ug/L			05/16/25 20:20	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			05/16/25 20:20	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			05/16/25 20:20	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			05/16/25 20:20	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			05/16/25 20:20	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			05/16/25 20:20	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			05/16/25 20:20	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			05/16/25 20:20	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			05/16/25 20:20	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			05/16/25 20:20	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			05/16/25 20:20	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			05/16/25 20:20	1
Ethyl acetate	ND		10.0	6.14	ug/L			05/16/25 20:20	1
Ethylbenzene	ND		1.00	0.500	ug/L			05/16/25 20:20	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			05/16/25 20:20	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			05/16/25 20:20	1
Hexane	ND		1.00	0.960	ug/L			05/16/25 20:20	1
2-Hexanone	ND		25.0	4.26	ug/L			05/16/25 20:20	1
Iodomethane	ND		1.00	0.900	ug/L			05/16/25 20:20	1
Isopropylbenzene	ND		1.00	0.530	ug/L			05/16/25 20:20	1
Isopropyl ether	ND		1.00	0.740	ug/L			05/16/25 20:20	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			05/16/25 20:20	1
Methylene Chloride	ND		5.00	3.00	ug/L			05/16/25 20:20	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			05/16/25 20:20	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			05/16/25 20:20	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			05/16/25 20:20	1
Naphthalene	ND		5.00	3.00	ug/L			05/16/25 20:20	1
n-Butylbenzene	ND		1.00	0.760	ug/L			05/16/25 20:20	1
n-Heptane	ND		1.00	0.210	ug/L			05/16/25 20:20	1
N-Propylbenzene	ND		1.00	0.690	ug/L			05/16/25 20:20	1

Client Sample ID: SW-9
Lab Sample ID: 400-275302-19
Date Collected: 05/05/25 18:30
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.00	3.00	ug/L			05/16/25 20:20	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			05/16/25 20:20	1
Styrene	ND		1.00	1.00	ug/L			05/16/25 20:20	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			05/16/25 20:20	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			05/16/25 20:20	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			05/16/25 20:20	1
Tetrachloroethene	ND		1.00	0.330	ug/L			05/16/25 20:20	1
Toluene	ND		1.00	0.900	ug/L			05/16/25 20:20	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			05/16/25 20:20	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			05/16/25 20:20	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			05/16/25 20:20	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			05/16/25 20:20	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			05/16/25 20:20	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			05/16/25 20:20	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			05/16/25 20:20	1
Trichloroethene	**0.271**	**J**	1.00	0.150	ug/L			05/16/25 20:20	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			05/16/25 20:20	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			05/16/25 20:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			05/16/25 20:20	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			05/16/25 20:20	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			05/16/25 20:20	1
Vinyl acetate	ND		25.0	0.930	ug/L			05/16/25 20:20	1
Vinyl chloride	ND		1.00	0.500	ug/L			05/16/25 20:20	1
Xylenes, Total	ND		10.0	6.00	ug/L			05/16/25 20:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*81*		*56 - 136*		*05/16/25 20:20*	*1*
Dibromofluoromethane	*116*		*79 - 130*		*05/16/25 20:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*59 - 146*		*05/16/25 20:20*	*1*
Toluene-d8 (Surr)	*89*		*64 - 132*		*05/16/25 20:20*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.286	0.286	ug/L		05/11/25 07:00	05/20/25 16:59	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*30*		*10 - 140*	*05/11/25 07:00*	*05/20/25 16:59*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.1	0.424	ug/L		05/10/25 07:00	05/14/25 01:27	1
2,4,5-Trichlorophenol	ND		10.1	0.545	ug/L		05/10/25 07:00	05/14/25 01:27	1
2,4,6-Trichlorophenol	ND		10.1	1.10	ug/L		05/10/25 07:00	05/14/25 01:27	1
2,4-Dichlorophenol	ND		10.1	0.576	ug/L		05/10/25 07:00	05/14/25 01:27	1
2,4-Dimethylphenol	ND		10.1	0.242	ug/L		05/10/25 07:00	05/14/25 01:27	1
2,4-Dinitrophenol	ND		30.3	4.73	ug/L		05/10/25 07:00	05/14/25 01:27	1
2,4-Dinitrotoluene	ND		10.1	0.657	ug/L		05/10/25 07:00	05/14/25 01:27	1
2,6-Dinitrotoluene	ND		10.1	0.293	ug/L		05/10/25 07:00	05/14/25 01:27	1
2-Chloronaphthalene	ND		10.1	0.384	ug/L		05/10/25 07:00	05/14/25 01:27	1
2-Chlorophenol	ND		10.1	0.848	ug/L		05/10/25 07:00	05/14/25 01:27	1
2-Methylnaphthalene	ND		10.1	0.818	ug/L		05/10/25 07:00	05/14/25 01:27	1

Client Sample ID: SW-9
Lab Sample ID: 400-275302-19
Date Collected: 05/05/25 18:30
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		10.1	0.768	ug/L		05/10/25 07:00	05/14/25 01:27	1
2-Nitroaniline	ND		10.1	1.38	ug/L		05/10/25 07:00	05/14/25 01:27	1
2-Nitrophenol	ND		10.1	1.18	ug/L		05/10/25 07:00	05/14/25 01:27	1
3 & 4 Methylphenol	ND		20.2	4.65	ug/L		05/10/25 07:00	05/14/25 01:27	1
3,3'-Dichlorobenzidine	ND		11.1	0.414	ug/L		05/10/25 07:00	05/14/25 01:27	1
3-Nitroaniline	ND		10.1	0.960	ug/L		05/10/25 07:00	05/14/25 01:27	1
4,6-Dinitro-2-methylphenol	ND		10.1	1.99	ug/L		05/10/25 07:00	05/14/25 01:27	1
4-Bromophenyl phenyl ether	ND		10.1	0.131	ug/L		05/10/25 07:00	05/14/25 01:27	1
4-Chloro-3-methylphenol	ND		10.1	0.737	ug/L		05/10/25 07:00	05/14/25 01:27	1
4-Chloroaniline	ND		10.1	0.283	ug/L		05/10/25 07:00	05/14/25 01:27	1
4-Chlorophenyl phenyl ether	ND		10.1	0.242	ug/L		05/10/25 07:00	05/14/25 01:27	1
4-Nitroaniline	ND		10.1	3.54	ug/L		05/10/25 07:00	05/14/25 01:27	1
4-Nitrophenol	ND		10.1	2.77	ug/L		05/10/25 07:00	05/14/25 01:27	1
Acenaphthene	ND		10.1	0.636	ug/L		05/10/25 07:00	05/14/25 01:27	1
Acenaphthylene	ND		10.1	0.768	ug/L		05/10/25 07:00	05/14/25 01:27	1
Acetophenone	ND		10.1	3.23	ug/L		05/10/25 07:00	05/14/25 01:27	1
Anthracene	ND		10.1	0.919	ug/L		05/10/25 07:00	05/14/25 01:27	1
Atrazine	ND		10.1	1.14	ug/L		05/10/25 07:00	05/14/25 01:27	1
Benzaldehyde	ND		10.1	0.677	ug/L		05/10/25 07:00	05/14/25 01:27	1
Benzo[a]anthracene	ND		10.1	1.01	ug/L		05/10/25 07:00	05/14/25 01:27	1
Benzo[a]pyrene	ND		10.1	1.11	ug/L		05/10/25 07:00	05/14/25 01:27	1
Benzo[b]fluoranthene	ND		10.1	1.21	ug/L		05/10/25 07:00	05/14/25 01:27	1
Benzo[g,h,i]perylene	ND		10.1	1.52	ug/L		05/10/25 07:00	05/14/25 01:27	1
Benzo[k]fluoranthene	ND		10.1	1.52	ug/L		05/10/25 07:00	05/14/25 01:27	1
bis (2-chloroisopropyl) ether	ND		10.1	0.939	ug/L		05/10/25 07:00	05/14/25 01:27	1
Bis(2-chloroethoxy)methane	ND		10.1	0.343	ug/L		05/10/25 07:00	05/14/25 01:27	1
Bis(2-chloroethyl)ether	ND		10.1	0.737	ug/L		05/10/25 07:00	05/14/25 01:27	1
Bis(2-ethylhexyl) phthalate	ND		10.1	4.04	ug/L		05/10/25 07:00	05/14/25 01:27	1
Butyl benzyl phthalate	ND		10.1	4.04	ug/L		05/10/25 07:00	05/14/25 01:27	1
Caprolactam	ND		10.1	2.42	ug/L		05/10/25 07:00	05/14/25 01:27	1
Carbazole	ND		10.1	0.323	ug/L		05/10/25 07:00	05/14/25 01:27	1
Chrysene	ND		10.1	1.21	ug/L		05/10/25 07:00	05/14/25 01:27	1
Dibenz(a,h)anthracene	ND		10.1	1.31	ug/L		05/10/25 07:00	05/14/25 01:27	1
Dibenzofuran	ND		10.1	0.646	ug/L		05/10/25 07:00	05/14/25 01:27	1
Diethyl phthalate	ND		10.1	4.04	ug/L		05/10/25 07:00	05/14/25 01:27	1
Dimethyl phthalate	ND		10.1	4.04	ug/L		05/10/25 07:00	05/14/25 01:27	1
Di-n-butyl phthalate	ND		10.1	4.04	ug/L		05/10/25 07:00	05/14/25 01:27	1
Di-n-octyl phthalate	ND		10.1	4.04	ug/L		05/10/25 07:00	05/14/25 01:27	1
Fluoranthene	ND		10.1	0.636	ug/L		05/10/25 07:00	05/14/25 01:27	1
Fluorene	ND		10.1	0.677	ug/L		05/10/25 07:00	05/14/25 01:27	1
Hexachlorobenzene	ND		10.1	0.253	ug/L		05/10/25 07:00	05/14/25 01:27	1
Hexachlorobutadiene	ND		10.1	0.556	ug/L		05/10/25 07:00	05/14/25 01:27	1
Hexachlorocyclopentadiene	ND		20.2	0.323	ug/L		05/10/25 07:00	05/14/25 01:27	1
Hexachloroethane	ND		10.1	0.535	ug/L		05/10/25 07:00	05/14/25 01:27	1
Indeno[1,2,3-cd]pyrene	ND		10.1	1.11	ug/L		05/10/25 07:00	05/14/25 01:27	1
Isophorone	ND		10.1	0.808	ug/L		05/10/25 07:00	05/14/25 01:27	1
Naphthalene	ND		10.1	0.758	ug/L		05/10/25 07:00	05/14/25 01:27	1
Nitrobenzene	ND		10.1	0.606	ug/L		05/10/25 07:00	05/14/25 01:27	1
N-Nitrosodi-n-propylamine	ND		10.1	0.333	ug/L		05/10/25 07:00	05/14/25 01:27	1

Client Sample ID: SW-9
Lab Sample ID: 400-275302-19

Date Collected: 05/05/25 18:30
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		10.1	0.192	ug/L		05/10/25 07:00	05/14/25 01:27	1
Pentachlorophenol	ND		10.1	2.83	ug/L		05/10/25 07:00	05/14/25 01:27	1
Phenanthrene	ND		10.1	0.747	ug/L		05/10/25 07:00	05/14/25 01:27	1
Phenol	ND		10.1	0.687	ug/L		05/10/25 07:00	05/14/25 01:27	1
Pyrene	ND		10.1	0.636	ug/L		05/10/25 07:00	05/14/25 01:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*84*		*10 - 150*	*05/10/25 07:00*	*05/14/25 01:27*	*1*
2-Fluorobiphenyl (Surr)	*71*		*15 - 150*	*05/10/25 07:00*	*05/14/25 01:27*	*1*
2-Fluorophenol (Surr)	*62*		*10 - 150*	*05/10/25 07:00*	*05/14/25 01:27*	*1*
Nitrobenzene-d5 (Surr)	*80*		*50 - 150*	*05/10/25 07:00*	*05/14/25 01:27*	*1*
Phenol-d5 (Surr)	*59*		*10 - 150*	*05/10/25 07:00*	*05/14/25 01:27*	*1*
Terphenyl-d14 (Surr)	*71*		*43 - 147*	*05/10/25 07:00*	*05/14/25 01:27*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.381**		0.100	0.0630	mg/L			05/06/25 19:34	1
Sulfate	**9.24**		1.00	0.390	mg/L			05/06/25 19:34	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	2.45	ug/L		05/08/25 12:30	05/09/25 18:50	1
Arsenic	**1.99**	**J**	5.00	1.32	ug/L		05/08/25 12:30	05/09/25 18:50	1
Barium	**56.6**		10.0	0.410	ug/L		05/08/25 12:30	05/09/25 18:50	1
Beryllium	ND		1.00	0.147	ug/L		05/08/25 12:30	05/12/25 17:42	1
Cadmium	ND		0.700	0.237	ug/L		05/08/25 12:30	05/09/25 18:50	1
Chromium	**3.77**	**J**	5.00	3.69	ug/L		05/08/25 12:30	05/09/25 18:50	1
Cobalt	**1.04**	**J**	5.00	0.411	ug/L		05/08/25 12:30	05/09/25 18:50	1
Copper	**12.1**		2.00	0.642	ug/L		05/08/25 12:30	05/09/25 18:50	1
Lead	**6.51**		1.00	0.864	ug/L		05/08/25 12:30	05/09/25 18:50	1
Manganese	**99.2**		5.00	1.29	ug/L		05/08/25 12:30	05/09/25 18:50	1
Nickel	**4.48**	**J**	5.00	0.422	ug/L		05/08/25 12:30	05/09/25 18:50	1
Selenium	ND		5.00	2.29	ug/L		05/08/25 12:30	05/09/25 18:50	1
Silver	ND		1.00	0.167	ug/L		05/08/25 12:30	05/09/25 18:50	1
Thallium	ND		1.00	0.190	ug/L		05/08/25 12:30	05/09/25 18:50	1
Vanadium	**6.20**		5.00	1.22	ug/L		05/08/25 12:30	05/09/25 18:50	1
Zinc	**49.5**		10.0	8.91	ug/L		05/08/25 12:30	05/09/25 18:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.166	ug/L		05/19/25 07:20	05/19/25 12:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**0.123**		0.0500	0.0460	mg/L			05/18/25 11:28	1

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SW-DUP-1
Lab Sample ID: 400-275302-20
Date Collected: 05/05/25 00:00
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**14.1**	**J**	25.0	10.0	ug/L			05/16/25 20:47	1
Benzene	ND		1.00	0.500	ug/L			05/16/25 20:47	1
Bromobenzene	ND		1.00	0.540	ug/L			05/16/25 20:47	1
Bromoform	ND		5.00	0.250	ug/L			05/16/25 20:47	1
Bromomethane	ND		1.00	0.980	ug/L			05/16/25 20:47	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			05/16/25 20:47	1
Carbon disulfide	ND		1.00	0.500	ug/L			05/16/25 20:47	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			05/16/25 20:47	1
Chlorobenzene	ND		1.00	0.420	ug/L			05/16/25 20:47	1
Chlorobromomethane	ND		1.00	0.520	ug/L			05/16/25 20:47	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			05/16/25 20:47	1
Chloroethane	ND		1.00	0.760	ug/L			05/16/25 20:47	1
Chloroform	ND		1.00	0.900	ug/L			05/16/25 20:47	1
Chloromethane	ND		1.00	0.400	ug/L			05/16/25 20:47	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			05/16/25 20:47	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			05/16/25 20:47	1
cis-1,2-Dichloroethene	**0.770**	**J**	1.00	0.200	ug/L			05/16/25 20:47	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			05/16/25 20:47	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			05/16/25 20:47	1
Dibromomethane	ND		5.00	0.220	ug/L			05/16/25 20:47	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			05/16/25 20:47	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			05/16/25 20:47	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			05/16/25 20:47	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			05/16/25 20:47	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			05/16/25 20:47	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			05/16/25 20:47	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			05/16/25 20:47	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			05/16/25 20:47	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			05/16/25 20:47	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			05/16/25 20:47	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			05/16/25 20:47	1
Ethyl acetate	ND		10.0	6.14	ug/L			05/16/25 20:47	1
Ethylbenzene	ND		1.00	0.500	ug/L			05/16/25 20:47	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			05/16/25 20:47	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			05/16/25 20:47	1
Hexane	ND		1.00	0.960	ug/L			05/16/25 20:47	1
2-Hexanone	ND		25.0	4.26	ug/L			05/16/25 20:47	1
Iodomethane	ND		1.00	0.900	ug/L			05/16/25 20:47	1
Isopropylbenzene	ND		1.00	0.530	ug/L			05/16/25 20:47	1
Isopropyl ether	ND		1.00	0.740	ug/L			05/16/25 20:47	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			05/16/25 20:47	1
Methylene Chloride	ND		5.00	3.00	ug/L			05/16/25 20:47	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			05/16/25 20:47	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			05/16/25 20:47	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			05/16/25 20:47	1
Naphthalene	ND		5.00	3.00	ug/L			05/16/25 20:47	1
n-Butylbenzene	ND		1.00	0.760	ug/L			05/16/25 20:47	1
n-Heptane	ND		1.00	0.210	ug/L			05/16/25 20:47	1
N-Propylbenzene	ND		1.00	0.690	ug/L			05/16/25 20:47	1

Client Sample ID: SW-DUP-1
Lab Sample ID: 400-275302-20
Date Collected: 05/05/25 00:00
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.00	3.00	ug/L			05/16/25 20:47	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			05/16/25 20:47	1
Styrene	ND		1.00	1.00	ug/L			05/16/25 20:47	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			05/16/25 20:47	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			05/16/25 20:47	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			05/16/25 20:47	1
Tetrachloroethene	ND		1.00	0.330	ug/L			05/16/25 20:47	1
Toluene	ND		1.00	0.900	ug/L			05/16/25 20:47	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			05/16/25 20:47	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			05/16/25 20:47	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			05/16/25 20:47	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			05/16/25 20:47	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			05/16/25 20:47	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			05/16/25 20:47	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			05/16/25 20:47	1
Trichloroethene	ND		1.00	0.150	ug/L			05/16/25 20:47	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			05/16/25 20:47	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			05/16/25 20:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			05/16/25 20:47	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			05/16/25 20:47	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			05/16/25 20:47	1
Vinyl acetate	ND		25.0	0.930	ug/L			05/16/25 20:47	1
Vinyl chloride	ND		1.00	0.500	ug/L			05/16/25 20:47	1
Xylenes, Total	ND		10.0	6.00	ug/L			05/16/25 20:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*81*		*56 - 136*		*05/16/25 20:47*	*1*
Dibromofluoromethane	*122*		*79 - 130*		*05/16/25 20:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*59 - 146*		*05/16/25 20:47*	*1*
Toluene-d8 (Surr)	*87*		*64 - 132*		*05/16/25 20:47*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.282	0.282	ug/L		05/11/25 07:00	05/20/25 17:21	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*26*		*10 - 140*	*05/11/25 07:00*	*05/20/25 17:21*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.90	0.416	ug/L		05/10/25 07:00	05/14/25 01:57	1
2,4,5-Trichlorophenol	ND		9.90	0.535	ug/L		05/10/25 07:00	05/14/25 01:57	1
2,4,6-Trichlorophenol	ND		9.90	1.08	ug/L		05/10/25 07:00	05/14/25 01:57	1
2,4-Dichlorophenol	ND		9.90	0.564	ug/L		05/10/25 07:00	05/14/25 01:57	1
2,4-Dimethylphenol	ND		9.90	0.238	ug/L		05/10/25 07:00	05/14/25 01:57	1
2,4-Dinitrophenol	ND		29.7	4.63	ug/L		05/10/25 07:00	05/14/25 01:57	1
2,4-Dinitrotoluene	ND		9.90	0.644	ug/L		05/10/25 07:00	05/14/25 01:57	1
2,6-Dinitrotoluene	ND		9.90	0.287	ug/L		05/10/25 07:00	05/14/25 01:57	1
2-Chloronaphthalene	ND		9.90	0.376	ug/L		05/10/25 07:00	05/14/25 01:57	1
2-Chlorophenol	ND		9.90	0.832	ug/L		05/10/25 07:00	05/14/25 01:57	1
2-Methylnaphthalene	ND		9.90	0.802	ug/L		05/10/25 07:00	05/14/25 01:57	1

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SW-DUP-1
Lab Sample ID: 400-275302-20
Date Collected: 05/05/25 00:00
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		9.90	0.752	ug/L		05/10/25 07:00	05/14/25 01:57	1
2-Nitroaniline	ND		9.90	1.36	ug/L		05/10/25 07:00	05/14/25 01:57	1
2-Nitrophenol	ND		9.90	1.16	ug/L		05/10/25 07:00	05/14/25 01:57	1
3 & 4 Methylphenol	ND		19.8	4.55	ug/L		05/10/25 07:00	05/14/25 01:57	1
3,3'-Dichlorobenzidine	ND		10.9	0.406	ug/L		05/10/25 07:00	05/14/25 01:57	1
3-Nitroaniline	ND		9.90	0.941	ug/L		05/10/25 07:00	05/14/25 01:57	1
4,6-Dinitro-2-methylphenol	ND		9.90	1.95	ug/L		05/10/25 07:00	05/14/25 01:57	1
4-Bromophenyl phenyl ether	ND		9.90	0.129	ug/L		05/10/25 07:00	05/14/25 01:57	1
4-Chloro-3-methylphenol	ND		9.90	0.723	ug/L		05/10/25 07:00	05/14/25 01:57	1
4-Chloroaniline	ND		9.90	0.277	ug/L		05/10/25 07:00	05/14/25 01:57	1
4-Chlorophenyl phenyl ether	ND		9.90	0.238	ug/L		05/10/25 07:00	05/14/25 01:57	1
4-Nitroaniline	ND		9.90	3.47	ug/L		05/10/25 07:00	05/14/25 01:57	1
4-Nitrophenol	ND		9.90	2.71	ug/L		05/10/25 07:00	05/14/25 01:57	1
Acenaphthene	ND		9.90	0.624	ug/L		05/10/25 07:00	05/14/25 01:57	1
Acenaphthylene	ND		9.90	0.752	ug/L		05/10/25 07:00	05/14/25 01:57	1
Acetophenone	ND		9.90	3.17	ug/L		05/10/25 07:00	05/14/25 01:57	1
Anthracene	ND		9.90	0.901	ug/L		05/10/25 07:00	05/14/25 01:57	1
Atrazine	ND		9.90	1.12	ug/L		05/10/25 07:00	05/14/25 01:57	1
Benzaldehyde	ND		9.90	0.663	ug/L		05/10/25 07:00	05/14/25 01:57	1
Benzo[a]anthracene	ND		9.90	0.990	ug/L		05/10/25 07:00	05/14/25 01:57	1
Benzo[a]pyrene	ND		9.90	1.09	ug/L		05/10/25 07:00	05/14/25 01:57	1
Benzo[b]fluoranthene	ND		9.90	1.19	ug/L		05/10/25 07:00	05/14/25 01:57	1
Benzo[g,h,i]perylene	ND		9.90	1.49	ug/L		05/10/25 07:00	05/14/25 01:57	1
Benzo[k]fluoranthene	ND		9.90	1.49	ug/L		05/10/25 07:00	05/14/25 01:57	1
bis (2-chloroisopropyl) ether	ND		9.90	0.921	ug/L		05/10/25 07:00	05/14/25 01:57	1
Bis(2-chloroethoxy)methane	ND		9.90	0.337	ug/L		05/10/25 07:00	05/14/25 01:57	1
Bis(2-chloroethyl)ether	ND		9.90	0.723	ug/L		05/10/25 07:00	05/14/25 01:57	1
Bis(2-ethylhexyl) phthalate	ND		9.90	3.96	ug/L		05/10/25 07:00	05/14/25 01:57	1
Butyl benzyl phthalate	ND		9.90	3.96	ug/L		05/10/25 07:00	05/14/25 01:57	1
Caprolactam	ND		9.90	2.38	ug/L		05/10/25 07:00	05/14/25 01:57	1
Carbazole	ND		9.90	0.317	ug/L		05/10/25 07:00	05/14/25 01:57	1
Chrysene	ND		9.90	1.19	ug/L		05/10/25 07:00	05/14/25 01:57	1
Dibenz(a,h)anthracene	ND		9.90	1.29	ug/L		05/10/25 07:00	05/14/25 01:57	1
Dibenzofuran	ND		9.90	0.634	ug/L		05/10/25 07:00	05/14/25 01:57	1
Diethyl phthalate	ND		9.90	3.96	ug/L		05/10/25 07:00	05/14/25 01:57	1
Dimethyl phthalate	ND		9.90	3.96	ug/L		05/10/25 07:00	05/14/25 01:57	1
Di-n-butyl phthalate	ND		9.90	3.96	ug/L		05/10/25 07:00	05/14/25 01:57	1
Di-n-octyl phthalate	ND		9.90	3.96	ug/L		05/10/25 07:00	05/14/25 01:57	1
Fluoranthene	ND		9.90	0.624	ug/L		05/10/25 07:00	05/14/25 01:57	1
Fluorene	ND		9.90	0.663	ug/L		05/10/25 07:00	05/14/25 01:57	1
Hexachlorobenzene	ND		9.90	0.248	ug/L		05/10/25 07:00	05/14/25 01:57	1
Hexachlorobutadiene	ND		9.90	0.545	ug/L		05/10/25 07:00	05/14/25 01:57	1
Hexachlorocyclopentadiene	ND		19.8	0.317	ug/L		05/10/25 07:00	05/14/25 01:57	1
Hexachloroethane	ND		9.90	0.525	ug/L		05/10/25 07:00	05/14/25 01:57	1
Indeno[1,2,3-cd]pyrene	ND		9.90	1.09	ug/L		05/10/25 07:00	05/14/25 01:57	1
Isophorone	ND		9.90	0.792	ug/L		05/10/25 07:00	05/14/25 01:57	1
Naphthalene	ND		9.90	0.743	ug/L		05/10/25 07:00	05/14/25 01:57	1
Nitrobenzene	ND		9.90	0.594	ug/L		05/10/25 07:00	05/14/25 01:57	1
N-Nitrosodi-n-propylamine	ND		9.90	0.327	ug/L		05/10/25 07:00	05/14/25 01:57	1

Client Sample ID: SW-DUP-1
Lab Sample ID: 400-275302-20

Date Collected: 05/05/25 00:00
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.90	0.188	ug/L		05/10/25 07:00	05/14/25 01:57	1
Pentachlorophenol	ND		9.90	2.77	ug/L		05/10/25 07:00	05/14/25 01:57	1
Phenanthrene	ND		9.90	0.733	ug/L		05/10/25 07:00	05/14/25 01:57	1
Phenol	ND		9.90	0.673	ug/L		05/10/25 07:00	05/14/25 01:57	1
Pyrene	ND		9.90	0.624	ug/L		05/10/25 07:00	05/14/25 01:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*86*		*10 - 150*	*05/10/25 07:00*	*05/14/25 01:57*	*1*
2-Fluorobiphenyl (Surr)	*73*		*15 - 150*	*05/10/25 07:00*	*05/14/25 01:57*	*1*
2-Fluorophenol (Surr)	*61*		*10 - 150*	*05/10/25 07:00*	*05/14/25 01:57*	*1*
Nitrobenzene-d5 (Surr)	*80*		*50 - 150*	*05/10/25 07:00*	*05/14/25 01:57*	*1*
Phenol-d5 (Surr)	*56*		*10 - 150*	*05/10/25 07:00*	*05/14/25 01:57*	*1*
Terphenyl-d14 (Surr)	*77*		*43 - 147*	*05/10/25 07:00*	*05/14/25 01:57*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.326**		0.100	0.0630	mg/L			05/06/25 19:42	1
Sulfate	**17.4**		1.00	0.390	mg/L			05/06/25 19:42	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	2.45	ug/L		05/08/25 12:30	05/09/25 18:52	1
Arsenic	**2.80**	**J**	5.00	1.32	ug/L		05/08/25 12:30	05/09/25 18:52	1
Barium	**59.4**		10.0	0.410	ug/L		05/08/25 12:30	05/09/25 18:52	1
Beryllium	ND		1.00	0.147	ug/L		05/08/25 12:30	05/09/25 18:52	1
Cadmium	ND		0.700	0.237	ug/L		05/08/25 12:30	05/09/25 18:52	1
Chromium	**7.12**		5.00	3.69	ug/L		05/08/25 12:30	05/09/25 18:52	1
Cobalt	**2.72**	**J**	5.00	0.411	ug/L		05/08/25 12:30	05/09/25 18:52	1
Copper	**17.4**		2.00	0.642	ug/L		05/08/25 12:30	05/09/25 18:52	1
Lead	**19.8**		1.00	0.864	ug/L		05/08/25 12:30	05/09/25 18:52	1
Manganese	**175**		5.00	1.29	ug/L		05/08/25 12:30	05/09/25 18:52	1
Nickel	**6.79**		5.00	0.422	ug/L		05/08/25 12:30	05/09/25 18:52	1
Selenium	ND		5.00	2.29	ug/L		05/08/25 12:30	05/09/25 18:52	1
Silver	ND		1.00	0.167	ug/L		05/08/25 12:30	05/09/25 18:52	1
Thallium	ND		1.00	0.190	ug/L		05/08/25 12:30	05/09/25 18:52	1
Vanadium	**10.3**		5.00	1.22	ug/L		05/08/25 12:30	05/09/25 18:52	1
Zinc	**62.6**		10.0	8.91	ug/L		05/08/25 12:30	05/09/25 18:52	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.245**		0.200	0.166	ug/L		05/19/25 07:20	05/19/25 13:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**0.205**		0.0500	0.0460	mg/L			05/18/25 11:31	1

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: TRIP BLANK
Lab Sample ID: 400-275302-21
Date Collected: 05/05/25 00:00
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	25.0	10.0	ug/L			05/19/25 13:30	1
Benzene	ND		1.00	0.500	ug/L			05/19/25 13:30	1
Bromobenzene	ND		1.00	0.540	ug/L			05/19/25 13:30	1
Bromoform	ND		5.00	0.250	ug/L			05/19/25 13:30	1
Bromomethane	ND		1.00	0.980	ug/L			05/19/25 13:30	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			05/19/25 13:30	1
Carbon disulfide	ND		1.00	0.500	ug/L			05/19/25 13:30	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			05/19/25 13:30	1
Chlorobenzene	ND		1.00	0.420	ug/L			05/19/25 13:30	1
Chlorobromomethane	ND		1.00	0.520	ug/L			05/19/25 13:30	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			05/19/25 13:30	1
Chloroethane	ND		1.00	0.760	ug/L			05/19/25 13:30	1
Chloroform	ND		1.00	0.900	ug/L			05/19/25 13:30	1
Chloromethane	ND		1.00	0.400	ug/L			05/19/25 13:30	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			05/19/25 13:30	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			05/19/25 13:30	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			05/19/25 13:30	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			05/19/25 13:30	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			05/19/25 13:30	1
Dibromomethane	ND		5.00	0.220	ug/L			05/19/25 13:30	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			05/19/25 13:30	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			05/19/25 13:30	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			05/19/25 13:30	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			05/19/25 13:30	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			05/19/25 13:30	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			05/19/25 13:30	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			05/19/25 13:30	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			05/19/25 13:30	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			05/19/25 13:30	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			05/19/25 13:30	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			05/19/25 13:30	1
Ethyl acetate	ND		10.0	6.14	ug/L			05/19/25 13:30	1
Ethylbenzene	ND		1.00	0.500	ug/L			05/19/25 13:30	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			05/19/25 13:30	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			05/19/25 13:30	1
Hexane	ND		1.00	0.960	ug/L			05/19/25 13:30	1
2-Hexanone	ND		25.0	4.26	ug/L			05/19/25 13:30	1
Iodomethane	ND		1.00	0.900	ug/L			05/19/25 13:30	1
Isopropylbenzene	ND		1.00	0.530	ug/L			05/19/25 13:30	1
Isopropyl ether	ND		1.00	0.740	ug/L			05/19/25 13:30	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			05/19/25 13:30	1
Methylene Chloride	ND		5.00	3.00	ug/L			05/19/25 13:30	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			05/19/25 13:30	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			05/19/25 13:30	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			05/19/25 13:30	1
Naphthalene	ND		5.00	3.00	ug/L			05/19/25 13:30	1
n-Butylbenzene	ND		1.00	0.760	ug/L			05/19/25 13:30	1
n-Heptane	ND		1.00	0.210	ug/L			05/19/25 13:30	1
N-Propylbenzene	ND		1.00	0.690	ug/L			05/19/25 13:30	1

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: TRIP BLANK
Lab Sample ID: 400-275302-21
Date Collected: 05/05/25 00:00
Matrix: Water
Date Received: 05/06/25 09:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		5.00	3.00	ug/L			05/19/25 13:30	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			05/19/25 13:30	1
Styrene	ND		1.00	1.00	ug/L			05/19/25 13:30	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			05/19/25 13:30	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			05/19/25 13:30	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			05/19/25 13:30	1
Tetrachloroethene	ND		1.00	0.330	ug/L			05/19/25 13:30	1
Toluene	ND		1.00	0.900	ug/L			05/19/25 13:30	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			05/19/25 13:30	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			05/19/25 13:30	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			05/19/25 13:30	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			05/19/25 13:30	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			05/19/25 13:30	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			05/19/25 13:30	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			05/19/25 13:30	1
Trichloroethene	ND		1.00	0.150	ug/L			05/19/25 13:30	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			05/19/25 13:30	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			05/19/25 13:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			05/19/25 13:30	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			05/19/25 13:30	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			05/19/25 13:30	1
Vinyl acetate	ND		25.0	0.930	ug/L			05/19/25 13:30	1
Vinyl chloride	ND		1.00	0.500	ug/L			05/19/25 13:30	1
Xylenes, Total	ND		10.0	6.00	ug/L			05/19/25 13:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*83*		*56 - 136*		*05/19/25 13:30*	*1*
Dibromofluoromethane	*116*		*79 - 130*		*05/19/25 13:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*59 - 146*		*05/19/25 13:30*	*1*
Toluene-d8 (Surr)	*89*		*64 - 132*		*05/19/25 13:30*	*1*

Definitions/Glossary

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	TOL	DCA
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)	(50-150)
400-275302-1	SED-1	90	115	102	114
400-275302-2	SED-2	89	116	100	113
400-275302-3	SED-3	89	110	101	110
400-275302-4	SED-4	93	110	103	110
400-275302-5	SED-5	87	115	102	113
400-275302-6	SED-6	91	108	106	106
400-275302-7	SED-7	87	107	104	106
400-275302-8	SED-8	88	112	101	113
400-275302-9	SED-9	92	111	106	111
400-275302-10	SED-DUP-1	90	111	104	109
LCS 400-709600/1-A	Lab Control Sample	91	102	101	102
MB 400-709600/2-A	Method Blank	88	116	104	103

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(59-146)	(64-132)
400-275302-11	SW-1	82	125	111	88
400-275302-12	SW-2	82	122	112	89
400-275302-13	SW-3	82	117	105	89
400-275302-14	SW-4	81	117	104	88
400-275302-15	SW-5	82	117	105	90
400-275302-16	SW-6	82	117	107	89
400-275302-17	SW-7	83	115	105	88
400-275302-18	SW-8	82	115	107	88
400-275302-19	SW-9	81	116	105	89
400-275302-20	SW-DUP-1	81	122	111	87
400-275302-21	TRIP BLANK	83	116	105	89
LCS 400-709445/1002	Lab Control Sample	79	110	100	89
LCS 400-709661/1002	Lab Control Sample	79	111	100	92
MB 400-709445/4	Method Blank	81	116	107	89
MB 400-709661/4	Method Blank	82	123	111	88

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Surrogate Summary

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	TPHL	PHL	NBZ
Lab Sample ID	Client Sample ID	(10-150)	(27-127)	(25-128)	(24-146)	(29-130)	(15-136)
400-275302-1	SED-1	66	66	48	63	51	51
400-275302-1 MS	SED-1	87	77	67	78	68	74
400-275302-1 MSD	SED-1	82	71	60	71	61	65
400-275302-2	SED-2	81	83	60	79	64	62
400-275302-3	SED-3	71	71	54	69	54	54
400-275302-4	SED-4	68	70	49	67	53	52
400-275302-5	SED-5	64	72	53	71	57	60
400-275302-6	SED-6	80	77	57	78	59	63
400-275302-7	SED-7	81	81	60	70	62	62
400-275302-8	SED-8	84	83	65	86	66	65
400-275302-9	SED-9	73	69	51	69	57	54
400-275302-10	SED-DUP-1	77	75	57	77	59	57
LCS 400-708696/2-A	Lab Control Sample	64	73	53	74	59	58
MB 400-708696/1-A	Method Blank	48	66	55	79	58	54

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
TPHL = Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)
NBZ = Nitrobenzene-d5 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(10-150)	(15-150)	(10-150)	(50-150)	(10-150)	(43-147)
400-275302-11	SW-1	81	67	75	74	72	59
400-275302-12	SW-2	78	67	77	71	78	57
400-275302-13	SW-3	81	68	77	75	78	63
400-275302-14	SW-4	80	70	75	77	74	62
400-275302-15	SW-5	81	73	69	78	64	47
400-275302-16	SW-6	79	67	82	71	85	60
400-275302-17	SW-7	81	70	76	74	75	62
400-275302-18	SW-8	80	69	60	76	55	66
400-275302-19	SW-9	84	71	62	80	59	71
400-275302-20	SW-DUP-1	86	73	61	80	56	77
LCS 400-708738/2-A	Lab Control Sample	80	77	79	96	82	69
LCS 400-708738/3-A LCSD	Lab Control Sample Dup	82	76	85	97	86	73
MB 400-708738/1-A	Method Blank	78	72	75	94	69	67

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

GC/MS VOA

Analysis Batch: 709445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-11	SW-1	Total/NA	Water	8260D	
400-275302-12	SW-2	Total/NA	Water	8260D	
400-275302-13	SW-3	Total/NA	Water	8260D	
400-275302-14	SW-4	Total/NA	Water	8260D	
400-275302-15	SW-5	Total/NA	Water	8260D	
400-275302-16	SW-6	Total/NA	Water	8260D	
400-275302-17	SW-7	Total/NA	Water	8260D	
400-275302-18	SW-8	Total/NA	Water	8260D	
400-275302-19	SW-9	Total/NA	Water	8260D	
400-275302-20	SW-DUP-1	Total/NA	Water	8260D	
MB 400-709445/4	Method Blank	Total/NA	Water	8260D	
LCS 400-709445/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 709576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-1	SED-1	Total/NA	Solid	8260D	709600
400-275302-2	SED-2	Total/NA	Solid	8260D	709600
400-275302-3	SED-3	Total/NA	Solid	8260D	709600
400-275302-4	SED-4	Total/NA	Solid	8260D	709600
400-275302-5	SED-5	Total/NA	Solid	8260D	709600
400-275302-6	SED-6	Total/NA	Solid	8260D	709600
400-275302-7	SED-7	Total/NA	Solid	8260D	709600
400-275302-8	SED-8	Total/NA	Solid	8260D	709600
400-275302-9	SED-9	Total/NA	Solid	8260D	709600
400-275302-10	SED-DUP-1	Total/NA	Solid	8260D	709600
MB 400-709600/2-A	Method Blank	Total/NA	Solid	8260D	709600
LCS 400-709600/1-A	Lab Control Sample	Total/NA	Solid	8260D	709600

Prep Batch: 709600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-1	SED-1	Total/NA	Solid	5035	
400-275302-2	SED-2	Total/NA	Solid	5035	
400-275302-3	SED-3	Total/NA	Solid	5035	
400-275302-4	SED-4	Total/NA	Solid	5035	
400-275302-5	SED-5	Total/NA	Solid	5035	
400-275302-6	SED-6	Total/NA	Solid	5035	
400-275302-7	SED-7	Total/NA	Solid	5035	
400-275302-8	SED-8	Total/NA	Solid	5035	
400-275302-9	SED-9	Total/NA	Solid	5035	
400-275302-10	SED-DUP-1	Total/NA	Solid	5035	
MB 400-709600/2-A	Method Blank	Total/NA	Solid	5035	
LCS 400-709600/1-A	Lab Control Sample	Total/NA	Solid	5035	

Analysis Batch: 709661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-21	TRIP BLANK	Total/NA	Water	8260D	
MB 400-709661/4	Method Blank	Total/NA	Water	8260D	
LCS 400-709661/1002	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 708696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-1	SED-1	Total/NA	Solid	3546	
400-275302-2	SED-2	Total/NA	Solid	3546	
400-275302-3	SED-3	Total/NA	Solid	3546	
400-275302-4	SED-4	Total/NA	Solid	3546	
400-275302-5	SED-5	Total/NA	Solid	3546	
400-275302-6	SED-6	Total/NA	Solid	3546	
400-275302-7	SED-7	Total/NA	Solid	3546	
400-275302-8	SED-8	Total/NA	Solid	3546	
400-275302-9	SED-9	Total/NA	Solid	3546	
400-275302-10	SED-DUP-1	Total/NA	Solid	3546	
MB 400-708696/1-A	Method Blank	Total/NA	Solid	3546	
LCS 400-708696/2-A	Lab Control Sample	Total/NA	Solid	3546	
400-275302-1 MS	SED-1	Total/NA	Solid	3546	
400-275302-1 MSD	SED-1	Total/NA	Solid	3546	

Prep Batch: 708702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-1	SED-1	Total/NA	Solid	3546	
400-275302-2	SED-2	Total/NA	Solid	3546	
400-275302-3	SED-3	Total/NA	Solid	3546	
400-275302-4	SED-4	Total/NA	Solid	3546	
400-275302-5	SED-5	Total/NA	Solid	3546	
400-275302-6	SED-6	Total/NA	Solid	3546	
400-275302-7	SED-7	Total/NA	Solid	3546	
400-275302-8	SED-8	Total/NA	Solid	3546	
400-275302-9	SED-9	Total/NA	Solid	3546	
400-275302-10	SED-DUP-1	Total/NA	Solid	3546	
MB 400-708702/1-A	Method Blank	Total/NA	Solid	3546	
LCS 400-708702/2-A	Lab Control Sample	Total/NA	Solid	3546	
400-275302-1 MS	SED-1	Total/NA	Solid	3546	
400-275302-1 MSD	SED-1	Total/NA	Solid	3546	

Prep Batch: 708738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-11	SW-1	Total/NA	Water	3511	
400-275302-12	SW-2	Total/NA	Water	3511	
400-275302-13	SW-3	Total/NA	Water	3511	
400-275302-14	SW-4	Total/NA	Water	3511	
400-275302-15	SW-5	Total/NA	Water	3511	
400-275302-16	SW-6	Total/NA	Water	3511	
400-275302-17	SW-7	Total/NA	Water	3511	
400-275302-18	SW-8	Total/NA	Water	3511	
400-275302-19	SW-9	Total/NA	Water	3511	
400-275302-20	SW-DUP-1	Total/NA	Water	3511	
MB 400-708738/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-708738/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-708738/3-A LCSD	Lab Control Sample Dup	Total/NA	Water	3511	

Prep Batch: 708784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-11	SW-1	Total/NA	Water	3510C	

GC/MS Semi VOA (Continued)

Prep Batch: 708784 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-12	SW-2	Total/NA	Water	3510C	
400-275302-13	SW-3	Total/NA	Water	3510C	
400-275302-14	SW-4	Total/NA	Water	3510C	
400-275302-15	SW-5	Total/NA	Water	3510C	
400-275302-16	SW-6	Total/NA	Water	3510C	
400-275302-17	SW-7	Total/NA	Water	3510C	
400-275302-18	SW-8	Total/NA	Water	3510C	
400-275302-19	SW-9	Total/NA	Water	3510C	
400-275302-20	SW-DUP-1	Total/NA	Water	3510C	
MB 400-708784/1-A	Method Blank	Total/NA	Water	3510C	
LCS 400-708784/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 400-708784/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 708847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-1	SED-1	Total/NA	Solid	8270E	708696
400-275302-2	SED-2	Total/NA	Solid	8270E	708696
400-275302-3	SED-3	Total/NA	Solid	8270E	708696
400-275302-4	SED-4	Total/NA	Solid	8270E	708696
400-275302-5	SED-5	Total/NA	Solid	8270E	708696
400-275302-6	SED-6	Total/NA	Solid	8270E	708696
400-275302-7	SED-7	Total/NA	Solid	8270E	708696
400-275302-8	SED-8	Total/NA	Solid	8270E	708696
400-275302-9	SED-9	Total/NA	Solid	8270E	708696
400-275302-10	SED-DUP-1	Total/NA	Solid	8270E	708696
400-275302-1 MS	SED-1	Total/NA	Solid	8270E	708696
400-275302-1 MSD	SED-1	Total/NA	Solid	8270E	708696

Analysis Batch: 708848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-1	SED-1	Total/NA	Solid	8270E SIM ID	708702
400-275302-2	SED-2	Total/NA	Solid	8270E SIM ID	708702
400-275302-3	SED-3	Total/NA	Solid	8270E SIM ID	708702
400-275302-4	SED-4	Total/NA	Solid	8270E SIM ID	708702
400-275302-5	SED-5	Total/NA	Solid	8270E SIM ID	708702
400-275302-6	SED-6	Total/NA	Solid	8270E SIM ID	708702
400-275302-7	SED-7	Total/NA	Solid	8270E SIM ID	708702
400-275302-8	SED-8	Total/NA	Solid	8270E SIM ID	708702
400-275302-9	SED-9	Total/NA	Solid	8270E SIM ID	708702
400-275302-10	SED-DUP-1	Total/NA	Solid	8270E SIM ID	708702
MB 400-708702/1-A	Method Blank	Total/NA	Solid	8270E SIM ID	708702
LCS 400-708702/2-A	Lab Control Sample	Total/NA	Solid	8270E SIM ID	708702
400-275302-1 MS	SED-1	Total/NA	Solid	8270E SIM ID	708702
400-275302-1 MSD	SED-1	Total/NA	Solid	8270E SIM ID	708702

Analysis Batch: 708889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-708696/1-A	Method Blank	Total/NA	Solid	8270E	708696
LCS 400-708696/2-A	Lab Control Sample	Total/NA	Solid	8270E	708696

QC Association Summary

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

GC/MS Semi VOA

Analysis Batch: 709019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-708738/1-A	Method Blank	Total/NA	Water	8270E	708738
LCS 400-708738/2-A	Lab Control Sample	Total/NA	Water	8270E	708738
LCS 400-708738/3-A LCSD	Lab Control Sample Dup	Total/NA	Water	8270E	708738

Analysis Batch: 709036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-6	SED-6	Total/NA	Solid	8270E	708696
400-275302-7	SED-7	Total/NA	Solid	8270E	708696
400-275302-9	SED-9	Total/NA	Solid	8270E	708696
400-275302-10	SED-DUP-1	Total/NA	Solid	8270E	708696

Analysis Batch: 709096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-11	SW-1	Total/NA	Water	8270E	708738
400-275302-12	SW-2	Total/NA	Water	8270E	708738
400-275302-13	SW-3	Total/NA	Water	8270E	708738
400-275302-14	SW-4	Total/NA	Water	8270E	708738
400-275302-15	SW-5	Total/NA	Water	8270E	708738
400-275302-16	SW-6	Total/NA	Water	8270E	708738
400-275302-17	SW-7	Total/NA	Water	8270E	708738
400-275302-18	SW-8	Total/NA	Water	8270E	708738
400-275302-19	SW-9	Total/NA	Water	8270E	708738
400-275302-20	SW-DUP-1	Total/NA	Water	8270E	708738

Analysis Batch: 709807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-11	SW-1	Total/NA	Water	8270E SIM ID	708784
400-275302-12	SW-2	Total/NA	Water	8270E SIM ID	708784
400-275302-13	SW-3	Total/NA	Water	8270E SIM ID	708784
400-275302-14	SW-4	Total/NA	Water	8270E SIM ID	708784
400-275302-15	SW-5	Total/NA	Water	8270E SIM ID	708784
400-275302-16	SW-6	Total/NA	Water	8270E SIM ID	708784
400-275302-17	SW-7	Total/NA	Water	8270E SIM ID	708784
400-275302-18	SW-8	Total/NA	Water	8270E SIM ID	708784
400-275302-19	SW-9	Total/NA	Water	8270E SIM ID	708784
400-275302-20	SW-DUP-1	Total/NA	Water	8270E SIM ID	708784
MB 400-708784/1-A	Method Blank	Total/NA	Water	8270E SIM ID	708784
LCS 400-708784/2-A	Lab Control Sample	Total/NA	Water	8270E SIM ID	708784
LCSD 400-708784/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM ID	708784

HPLC/IC

Analysis Batch: 708296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-11	SW-1	Total/NA	Water	9056A	
400-275302-12	SW-2	Total/NA	Water	9056A	
400-275302-13	SW-3	Total/NA	Water	9056A	
400-275302-14	SW-4	Total/NA	Water	9056A	
400-275302-15	SW-5	Total/NA	Water	9056A	
400-275302-16	SW-6	Total/NA	Water	9056A	
400-275302-17	SW-7	Total/NA	Water	9056A	

HPLC/IC (Continued)

Analysis Batch: 708296 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-18	SW-8	Total/NA	Water	9056A	
400-275302-19	SW-9	Total/NA	Water	9056A	
400-275302-20	SW-DUP-1	Total/NA	Water	9056A	
MB 400-708296/5	Method Blank	Total/NA	Water	9056A	
LCS 400-708296/6	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-708296/7	Lab Control Sample Dup	Total/NA	Water	9056A	

Analysis Batch: 708298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-11	SW-1	Total/NA	Water	9056A	
400-275302-12	SW-2	Total/NA	Water	9056A	
400-275302-13	SW-3	Total/NA	Water	9056A	
400-275302-14	SW-4	Total/NA	Water	9056A	
400-275302-15	SW-5	Total/NA	Water	9056A	
400-275302-16	SW-6	Total/NA	Water	9056A	
400-275302-17	SW-7	Total/NA	Water	9056A	
400-275302-18	SW-8	Total/NA	Water	9056A	
400-275302-19	SW-9	Total/NA	Water	9056A	
400-275302-20	SW-DUP-1	Total/NA	Water	9056A	
MB 400-708298/5	Method Blank	Total/NA	Water	9056A	
LCS 400-708298/6	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-708298/7	Lab Control Sample Dup	Total/NA	Water	9056A	

Leach Batch: 708381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-1	SED-1	Soluble	Solid	DI Leach	
400-275302-2	SED-2	Soluble	Solid	DI Leach	
400-275302-3	SED-3	Soluble	Solid	DI Leach	
400-275302-4	SED-4	Soluble	Solid	DI Leach	
400-275302-5	SED-5	Soluble	Solid	DI Leach	
400-275302-6	SED-6	Soluble	Solid	DI Leach	
400-275302-7	SED-7	Soluble	Solid	DI Leach	
400-275302-8	SED-8	Soluble	Solid	DI Leach	
400-275302-9	SED-9	Soluble	Solid	DI Leach	
400-275302-10	SED-DUP-1	Soluble	Solid	DI Leach	
MB 400-708381/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 400-708381/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 400-708381/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 708447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-1	SED-1	Soluble	Solid	9056A	708381
400-275302-2	SED-2	Soluble	Solid	9056A	708381
400-275302-3	SED-3	Soluble	Solid	9056A	708381
400-275302-4	SED-4	Soluble	Solid	9056A	708381
400-275302-5	SED-5	Soluble	Solid	9056A	708381
400-275302-6	SED-6	Soluble	Solid	9056A	708381
400-275302-7	SED-7	Soluble	Solid	9056A	708381
400-275302-8	SED-8	Soluble	Solid	9056A	708381
400-275302-9	SED-9	Soluble	Solid	9056A	708381
400-275302-10	SED-DUP-1	Soluble	Solid	9056A	708381

HPLC/IC (Continued)

Analysis Batch: 708447 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-708381/1-A	Method Blank	Soluble	Solid	9056A	708381
LCS 400-708381/2-A	Lab Control Sample	Soluble	Solid	9056A	708381
LCSD 400-708381/3-A	Lab Control Sample Dup	Soluble	Solid	9056A	708381

Analysis Batch: 708449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-1	SED-1	Soluble	Solid	9056A	708381
400-275302-2	SED-2	Soluble	Solid	9056A	708381
400-275302-3	SED-3	Soluble	Solid	9056A	708381
400-275302-4	SED-4	Soluble	Solid	9056A	708381
400-275302-5	SED-5	Soluble	Solid	9056A	708381
400-275302-6	SED-6	Soluble	Solid	9056A	708381
400-275302-7	SED-7	Soluble	Solid	9056A	708381
400-275302-8	SED-8	Soluble	Solid	9056A	708381
400-275302-9	SED-9	Soluble	Solid	9056A	708381
400-275302-10	SED-DUP-1	Soluble	Solid	9056A	708381
MB 400-708381/1-A	Method Blank	Soluble	Solid	9056A	708381
LCS 400-708381/2-A	Lab Control Sample	Soluble	Solid	9056A	708381
LCSD 400-708381/3-A	Lab Control Sample Dup	Soluble	Solid	9056A	708381

Metals

Prep Batch: 53479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-11	SW-1	Total Recoverable	Water	3005A	
400-275302-12	SW-2	Total Recoverable	Water	3005A	
400-275302-13	SW-3	Total Recoverable	Water	3005A	
400-275302-14	SW-4	Total Recoverable	Water	3005A	
400-275302-15	SW-5	Total Recoverable	Water	3005A	
400-275302-16	SW-6	Total Recoverable	Water	3005A	
400-275302-17	SW-7	Total Recoverable	Water	3005A	
400-275302-18	SW-8	Total Recoverable	Water	3005A	
400-275302-19	SW-9	Total Recoverable	Water	3005A	
400-275302-20	SW-DUP-1	Total Recoverable	Water	3005A	
MB 705-53479/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 705-53479/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
400-275302-11 MS	SW-1	Total Recoverable	Water	3005A	
400-275302-11 MSD	SW-1	Total Recoverable	Water	3005A	

Analysis Batch: 53542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-1	SED-1	Total/NA	Solid	7473	
400-275302-2	SED-2	Total/NA	Solid	7473	
400-275302-3	SED-3	Total/NA	Solid	7473	
400-275302-4	SED-4	Total/NA	Solid	7473	
400-275302-5	SED-5	Total/NA	Solid	7473	
400-275302-6	SED-6	Total/NA	Solid	7473	
400-275302-7	SED-7	Total/NA	Solid	7473	
400-275302-8	SED-8	Total/NA	Solid	7473	
400-275302-9	SED-9	Total/NA	Solid	7473	
400-275302-10	SED-DUP-1	Total/NA	Solid	7473	

Metals (Continued)

Analysis Batch: 53542 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 705-53542/5	Method Blank	Total/NA	Solid	7473	
LCS 705-53542/6	Lab Control Sample	Total/NA	Solid	7473	

Analysis Batch: 54072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-11	SW-1	Total Recoverable	Water	6020B	53479
400-275302-12	SW-2	Total Recoverable	Water	6020B	53479
400-275302-13	SW-3	Total Recoverable	Water	6020B	53479
400-275302-14	SW-4	Total Recoverable	Water	6020B	53479
400-275302-15	SW-5	Total Recoverable	Water	6020B	53479
400-275302-16	SW-6	Total Recoverable	Water	6020B	53479
400-275302-17	SW-7	Total Recoverable	Water	6020B	53479
400-275302-18	SW-8	Total Recoverable	Water	6020B	53479
400-275302-19	SW-9	Total Recoverable	Water	6020B	53479
400-275302-20	SW-DUP-1	Total Recoverable	Water	6020B	53479
MB 705-53479/1-A	Method Blank	Total Recoverable	Water	6020B	53479
LCS 705-53479/2-A	Lab Control Sample	Total Recoverable	Water	6020B	53479
400-275302-11 MS	SW-1	Total Recoverable	Water	6020B	53479
400-275302-11 MSD	SW-1	Total Recoverable	Water	6020B	53479

Analysis Batch: 54295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-11	SW-1	Total Recoverable	Water	6020B	53479
400-275302-12	SW-2	Total Recoverable	Water	6020B	53479
400-275302-13	SW-3	Total Recoverable	Water	6020B	53479
400-275302-14	SW-4	Total Recoverable	Water	6020B	53479
400-275302-15	SW-5	Total Recoverable	Water	6020B	53479
400-275302-16	SW-6	Total Recoverable	Water	6020B	53479
400-275302-18	SW-8	Total Recoverable	Water	6020B	53479
400-275302-19	SW-9	Total Recoverable	Water	6020B	53479
400-275302-11 MS	SW-1	Total Recoverable	Water	6020B	53479
400-275302-11 MSD	SW-1	Total Recoverable	Water	6020B	53479

Prep Batch: 55244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-1	SED-1	Total/NA	Solid	3050B	
400-275302-2	SED-2	Total/NA	Solid	3050B	
400-275302-3	SED-3	Total/NA	Solid	3050B	
400-275302-4	SED-4	Total/NA	Solid	3050B	
400-275302-5	SED-5	Total/NA	Solid	3050B	
400-275302-6	SED-6	Total/NA	Solid	3050B	
400-275302-7	SED-7	Total/NA	Solid	3050B	
400-275302-8	SED-8	Total/NA	Solid	3050B	
400-275302-9	SED-9	Total/NA	Solid	3050B	
400-275302-10	SED-DUP-1	Total/NA	Solid	3050B	
MB 705-55244/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 705-55244/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 55457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-11	SW-1	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 55457 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-12	SW-2	Total/NA	Water	7470A	
400-275302-13	SW-3	Total/NA	Water	7470A	
400-275302-14	SW-4	Total/NA	Water	7470A	
400-275302-15	SW-5	Total/NA	Water	7470A	
400-275302-16	SW-6	Total/NA	Water	7470A	
400-275302-17	SW-7	Total/NA	Water	7470A	
400-275302-18	SW-8	Total/NA	Water	7470A	
400-275302-19	SW-9	Total/NA	Water	7470A	
400-275302-20	SW-DUP-1	Total/NA	Water	7470A	
MB 705-55457/1-A	Method Blank	Total/NA	Water	7470A	
LCS 705-55457/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 55907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-11	SW-1	Total/NA	Water	7470A	55457
400-275302-12	SW-2	Total/NA	Water	7470A	55457
400-275302-13	SW-3	Total/NA	Water	7470A	55457
400-275302-14	SW-4	Total/NA	Water	7470A	55457
400-275302-15	SW-5	Total/NA	Water	7470A	55457
400-275302-16	SW-6	Total/NA	Water	7470A	55457
400-275302-17	SW-7	Total/NA	Water	7470A	55457
400-275302-18	SW-8	Total/NA	Water	7470A	55457
400-275302-19	SW-9	Total/NA	Water	7470A	55457
400-275302-20	SW-DUP-1	Total/NA	Water	7470A	55457
MB 705-55457/1-A	Method Blank	Total/NA	Water	7470A	55457
LCS 705-55457/2-A	Lab Control Sample	Total/NA	Water	7470A	55457

Analysis Batch: 56127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-1	SED-1	Total/NA	Solid	6020B	55244
400-275302-2	SED-2	Total/NA	Solid	6020B	55244
400-275302-3	SED-3	Total/NA	Solid	6020B	55244
400-275302-4	SED-4	Total/NA	Solid	6020B	55244
400-275302-5	SED-5	Total/NA	Solid	6020B	55244
400-275302-6	SED-6	Total/NA	Solid	6020B	55244
400-275302-7	SED-7	Total/NA	Solid	6020B	55244
400-275302-8	SED-8	Total/NA	Solid	6020B	55244
400-275302-9	SED-9	Total/NA	Solid	6020B	55244
400-275302-10	SED-DUP-1	Total/NA	Solid	6020B	55244
MB 705-55244/1-A ^5	Method Blank	Total/NA	Solid	6020B	55244
LCS 705-55244/2-A ^5	Lab Control Sample	Total/NA	Solid	6020B	55244

Analysis Batch: 56225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-6	SED-6	Total/NA	Solid	6020B	55244
400-275302-10	SED-DUP-1	Total/NA	Solid	6020B	55244

General Chemistry

Analysis Batch: 708553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-1	SED-1	Total/NA	Solid	Moisture	
400-275302-2	SED-2	Total/NA	Solid	Moisture	
400-275302-3	SED-3	Total/NA	Solid	Moisture	
400-275302-4	SED-4	Total/NA	Solid	Moisture	
400-275302-5	SED-5	Total/NA	Solid	Moisture	
400-275302-6	SED-6	Total/NA	Solid	Moisture	
400-275302-7	SED-7	Total/NA	Solid	Moisture	
400-275302-8	SED-8	Total/NA	Solid	Moisture	
400-275302-9	SED-9	Total/NA	Solid	Moisture	
400-275302-10	SED-DUP-1	Total/NA	Solid	Moisture	

Leach Batch: 709317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-1	SED-1	Soluble	Solid	DI Leach	
400-275302-2	SED-2	Soluble	Solid	DI Leach	
400-275302-3	SED-3	Soluble	Solid	DI Leach	
400-275302-4	SED-4	Soluble	Solid	DI Leach	
400-275302-5	SED-5	Soluble	Solid	DI Leach	
400-275302-6	SED-6	Soluble	Solid	DI Leach	
400-275302-7	SED-7	Soluble	Solid	DI Leach	
400-275302-8	SED-8	Soluble	Solid	DI Leach	
400-275302-9	SED-9	Soluble	Solid	DI Leach	
400-275302-10	SED-DUP-1	Soluble	Solid	DI Leach	
MB 400-709317/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 400-709317/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
400-275302-1 MS	SED-1	Soluble	Solid	DI Leach	
400-275302-1 MSD	SED-1	Soluble	Solid	DI Leach	

Analysis Batch: 709541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-1	SED-1	Soluble	Solid	350.1	709317
400-275302-2	SED-2	Soluble	Solid	350.1	709317
400-275302-3	SED-3	Soluble	Solid	350.1	709317
400-275302-4	SED-4	Soluble	Solid	350.1	709317
400-275302-5	SED-5	Soluble	Solid	350.1	709317
400-275302-6	SED-6	Soluble	Solid	350.1	709317
400-275302-7	SED-7	Soluble	Solid	350.1	709317
400-275302-8	SED-8	Soluble	Solid	350.1	709317
400-275302-9	SED-9	Soluble	Solid	350.1	709317
400-275302-10	SED-DUP-1	Soluble	Solid	350.1	709317
MB 400-709317/1-A	Method Blank	Soluble	Solid	350.1	709317
LCS 400-709317/2-A	Lab Control Sample	Soluble	Solid	350.1	709317
MRL 400-709541/19	Lab Control Sample	Total/NA	Solid	350.1	
400-275302-1 MS	SED-1	Soluble	Solid	350.1	709317
400-275302-1 MSD	SED-1	Soluble	Solid	350.1	709317

Analysis Batch: 709615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-11	SW-1	Total/NA	Water	350.1	
400-275302-12	SW-2	Total/NA	Water	350.1	
400-275302-13	SW-3	Total/NA	Water	350.1	

General Chemistry (Continued)

Analysis Batch: 709615 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275302-14	SW-4	Total/NA	Water	350.1	
400-275302-15	SW-5	Total/NA	Water	350.1	
400-275302-16	SW-6	Total/NA	Water	350.1	
400-275302-17	SW-7	Total/NA	Water	350.1	
400-275302-18	SW-8	Total/NA	Water	350.1	
400-275302-19	SW-9	Total/NA	Water	350.1	
400-275302-20	SW-DUP-1	Total/NA	Water	350.1	
MB 400-709615/23	Method Blank	Total/NA	Water	350.1	
LCS 400-709615/24	Lab Control Sample	Total/NA	Water	350.1	
MRL 400-709615/18	Lab Control Sample	Total/NA	Water	350.1	
400-275302-11 MS	SW-1	Total/NA	Water	350.1	
400-275302-11 MSD	SW-1	Total/NA	Water	350.1	

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-709445/4
Matrix: Water
Analysis Batch: 709445

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0	10.0	ug/L			05/16/25 11:13	1
Benzene	ND		1.00	0.500	ug/L			05/16/25 11:13	1
Bromobenzene	ND		1.00	0.540	ug/L			05/16/25 11:13	1
Bromoform	ND		5.00	0.250	ug/L			05/16/25 11:13	1
Bromomethane	ND		1.00	0.980	ug/L			05/16/25 11:13	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			05/16/25 11:13	1
Chlorobromomethane	ND		1.00	0.520	ug/L			05/16/25 11:13	1
Carbon disulfide	ND		1.00	0.500	ug/L			05/16/25 11:13	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			05/16/25 11:13	1
Chlorobenzene	ND		1.00	0.420	ug/L			05/16/25 11:13	1
Chloroethane	ND		1.00	0.760	ug/L			05/16/25 11:13	1
Chloroform	ND		1.00	0.900	ug/L			05/16/25 11:13	1
Chloromethane	ND		1.00	0.400	ug/L			05/16/25 11:13	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			05/16/25 11:13	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			05/16/25 11:13	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			05/16/25 11:13	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			05/16/25 11:13	1
Dibromomethane	ND		5.00	0.220	ug/L			05/16/25 11:13	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			05/16/25 11:13	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			05/16/25 11:13	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			05/16/25 11:13	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			05/16/25 11:13	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			05/16/25 11:13	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			05/16/25 11:13	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			05/16/25 11:13	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			05/16/25 11:13	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			05/16/25 11:13	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			05/16/25 11:13	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			05/16/25 11:13	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			05/16/25 11:13	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			05/16/25 11:13	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			05/16/25 11:13	1
Ethylbenzene	ND		1.00	0.500	ug/L			05/16/25 11:13	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			05/16/25 11:13	1
2-Hexanone	ND		25.0	4.26	ug/L			05/16/25 11:13	1
Iodomethane	ND		1.00	0.900	ug/L			05/16/25 11:13	1
Isopropylbenzene	ND		1.00	0.530	ug/L			05/16/25 11:13	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			05/16/25 11:13	1
Methylene Chloride	ND		5.00	3.00	ug/L			05/16/25 11:13	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			05/16/25 11:13	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			05/16/25 11:13	1
Naphthalene	ND		5.00	3.00	ug/L			05/16/25 11:13	1
n-Butylbenzene	ND		1.00	0.760	ug/L			05/16/25 11:13	1
N-Propylbenzene	ND		1.00	0.690	ug/L			05/16/25 11:13	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			05/16/25 11:13	1
Styrene	ND		1.00	1.00	ug/L			05/16/25 11:13	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			05/16/25 11:13	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			05/16/25 11:13	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-709445/4
Matrix: Water
Analysis Batch: 709445

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			05/16/25 11:13	1
Tetrachloroethene	ND		1.00	0.330	ug/L			05/16/25 11:13	1
Toluene	ND		1.00	0.900	ug/L			05/16/25 11:13	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			05/16/25 11:13	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			05/16/25 11:13	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			05/16/25 11:13	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			05/16/25 11:13	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			05/16/25 11:13	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			05/16/25 11:13	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			05/16/25 11:13	1
o-Xylene	ND		5.00	3.00	ug/L			05/16/25 11:13	1
Trichloroethene	ND		1.00	0.150	ug/L			05/16/25 11:13	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			05/16/25 11:13	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			05/16/25 11:13	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			05/16/25 11:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			05/16/25 11:13	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			05/16/25 11:13	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			05/16/25 11:13	1
Isopropyl ether	ND		1.00	0.740	ug/L			05/16/25 11:13	1
Hexane	ND		1.00	0.960	ug/L			05/16/25 11:13	1
Vinyl acetate	ND		25.0	0.930	ug/L			05/16/25 11:13	1
n-Heptane	ND		1.00	0.210	ug/L			05/16/25 11:13	1
Vinyl chloride	ND		1.00	0.500	ug/L			05/16/25 11:13	1
Ethyl acetate	ND		10.0	6.14	ug/L			05/16/25 11:13	1
Xylenes, Total	ND		10.0	6.00	ug/L			05/16/25 11:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*81*		*56 - 136*		*05/16/25 11:13*	*1*
Dibromofluoromethane	*116*		*79 - 130*		*05/16/25 11:13*	*1*
Toluene-d8 (Surr)	*89*		*64 - 132*		*05/16/25 11:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*59 - 146*		*05/16/25 11:13*	*1*

Lab Sample ID: LCS 400-709445/1002
Matrix: Water
Analysis Batch: 709445

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	288.8		ug/L		144	43 - 150
Benzene	50.0	49.52		ug/L		99	70 - 130
Bromobenzene	50.0	56.28		ug/L		113	70 - 132
Bromoform	50.0	49.92		ug/L		100	57 - 140
Bromomethane	50.0	51.34		ug/L		103	10 - 150
2-Butanone (MEK)	200	216.0		ug/L		108	61 - 145
Chlorobromomethane	50.0	59.32		ug/L		119	70 - 130
Carbon disulfide	50.0	45.34		ug/L		91	61 - 137
Carbon tetrachloride	50.0	55.17		ug/L		110	61 - 137
Chlorobenzene	50.0	51.59		ug/L		103	70 - 130
Chloroethane	50.0	56.47		ug/L		113	55 - 141

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-709445/1002
Matrix: Water
Analysis Batch: 709445

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	50.0	50.19		ug/L		100	69 - 130
Chloromethane	50.0	42.50		ug/L		85	58 - 137
2-Chlorotoluene	50.0	40.55		ug/L		81	70 - 130
4-Chlorotoluene	50.0	44.78		ug/L		90	70 - 130
Chlorodibromomethane	50.0	52.83		ug/L		106	67 - 135
1,2-Dibromo-3-Chloropropane	50.0	52.44		ug/L		105	54 - 135
Dibromomethane	50.0	52.23		ug/L		104	70 - 130
1,2-Dichlorobenzene	50.0	55.06		ug/L		110	67 - 130
1,3-Dichlorobenzene	50.0	55.13		ug/L		110	70 - 130
Dichlorobromomethane	50.0	50.83		ug/L		102	67 - 133
1,4-Dichlorobenzene	50.0	55.54		ug/L		111	70 - 130
1,1-Dichloroethane	50.0	49.77		ug/L		100	70 - 130
1,2-Dichloroethane	50.0	49.94		ug/L		100	69 - 130
cis-1,2-Dichloroethene	50.0	50.06		ug/L		100	68 - 130
1,1-Dichloroethene	50.0	51.39		ug/L		103	63 - 134
1,2-Dichloropropane	50.0	52.25		ug/L		105	70 - 130
1,3-Dichloropropane	50.0	45.41		ug/L		91	70 - 130
2,2-Dichloropropane	50.0	45.77		ug/L		92	52 - 135
1,1-Dichloropropene	50.0	48.46		ug/L		97	70 - 130
Ethylene Dibromide	50.0	50.95		ug/L		102	70 - 130
cis-1,3-Dichloropropene	50.0	49.51		ug/L		99	69 - 132
Ethylbenzene	50.0	48.28		ug/L		97	70 - 130
Hexachlorobutadiene	50.0	69.72		ug/L		139	53 - 140
2-Hexanone	200	190.3		ug/L		95	65 - 137
Iodomethane	50.0	46.34		ug/L		93	27 - 150
Isopropylbenzene	50.0	52.15		ug/L		104	70 - 130
4-Isopropyltoluene	50.0	50.73		ug/L		101	65 - 130
Methylene Chloride	50.0	61.26		ug/L		123	66 - 135
4-Methyl-2-pentanone (MIBK)	200	192.5		ug/L		96	69 - 138
Methyl tert-butyl ether	50.0	46.80		ug/L		94	66 - 130
Naphthalene	50.0	48.00		ug/L		96	47 - 149
n-Butylbenzene	50.0	42.34		ug/L		85	67 - 130
N-Propylbenzene	50.0	50.44		ug/L		101	70 - 130
sec-Butylbenzene	50.0	49.25		ug/L		98	66 - 130
Styrene	50.0	52.50		ug/L		105	70 - 130
tert-Butylbenzene	50.0	43.44		ug/L		87	64 - 139
1,1,1,2-Tetrachloroethane	50.0	53.77		ug/L		108	67 - 131
1,1,2,2-Tetrachloroethane	50.0	40.14		ug/L		80	70 - 131
Tetrachloroethene	50.0	58.00		ug/L		116	65 - 130
Toluene	50.0	46.14		ug/L		92	70 - 130
trans-1,4-Dichloro-2-butene	50.0	38.79		ug/L		78	57 - 140
trans-1,2-Dichloroethene	50.0	49.55		ug/L		99	70 - 130
trans-1,3-Dichloropropene	50.0	43.89		ug/L		88	63 - 130
1,2,3-Trichlorobenzene	50.0	61.01		ug/L		122	60 - 138
1,2,4-Trichlorobenzene	50.0	62.86		ug/L		126	60 - 140
1,1,1-Trichloroethane	50.0	50.59		ug/L		101	68 - 130
1,1,2-Trichloroethane	50.0	45.98		ug/L		92	70 - 130
o-Xylene	50.0	48.25		ug/L		96	70 - 130
Trichloroethene	50.0	59.61		ug/L		119	70 - 130

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-709445/1002
Matrix: Water
Analysis Batch: 709445

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
m-Xylene & p-Xylene	50.0	48.26		ug/L		97	70 - 130
Trichlorofluoromethane	50.0	60.07		ug/L		120	65 - 138
1,2,3-Trichloropropane	50.0	44.89		ug/L		90	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	55.00		ug/L		110	60 - 139
1,2,4-Trimethylbenzene	50.0	47.94		ug/L		96	70 - 130
1,3,5-Trimethylbenzene	50.0	46.97		ug/L		94	69 - 130
Isopropyl ether	20.0	19.22		ug/L		96	64 - 132
Hexane	50.0	46.73		ug/L		93	69 - 130
Vinyl acetate	100	91.39		ug/L		91	26 - 150
n-Heptane	50.0	43.54		ug/L		87	70 - 130
Vinyl chloride	50.0	44.67		ug/L		89	59 - 136
Ethyl acetate	100	94.58		ug/L		95	34 - 150
Xylenes, Total	100	96.50		ug/L		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*79*		*56 - 136*
Dibromofluoromethane	*110*		*79 - 130*
Toluene-d8 (Surr)	*89*		*64 - 132*
1,2-Dichloroethane-d4 (Surr)	*100*		*59 - 146*

Lab Sample ID: MB 400-709600/2-A
Matrix: Solid
Analysis Batch: 709576

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 709600

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0250	0.0120	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
Benzene	ND		0.00500	0.000670	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
Bromobenzene	ND		0.00500	0.00130	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
Bromoform	ND		0.00500	0.00130	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
Bromomethane	ND		0.00500	0.00250	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
2-Butanone (MEK)	ND		0.0250	0.00600	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
Chlorobromomethane	ND		0.00500	0.000810	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
Carbon disulfide	ND		0.00500	0.00253	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
Carbon tetrachloride	ND		0.00500	0.00170	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
Chlorobenzene	ND		0.00500	0.00132	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
Chloroethane	ND		0.00500	0.00330	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
Chloroform	ND		0.00500	0.00136	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
Chloromethane	ND		0.00500	0.00221	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
2-Chlorotoluene	ND		0.00500	0.00166	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
4-Chlorotoluene	ND		0.00500	0.000980	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
Chlorodibromomethane	ND		0.00500	0.00120	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
1,2-Dibromo-3-Chloropropane	ND		0.00500	0.00330	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
Dibromomethane	ND		0.00500	0.000830	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
1,2-Dichlorobenzene	ND		0.00500	0.00159	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
1,3-Dichlorobenzene	ND		0.00500	0.000950	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
Dichlorobromomethane	ND		0.00500	0.000920	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
1,4-Dichlorobenzene	ND		0.00500	0.000860	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
1,1-Dichloroethane	ND		0.00500	0.000830	mg/Kg		05/17/25 10:32	05/17/25 11:36	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-709600/2-A
Matrix: Solid
Analysis Batch: 709576

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 709600

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.00500	0.00184	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
cis-1,2-Dichloroethene	ND		0.00500	0.000760	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
1,1-Dichloroethene	ND		0.00500	0.00210	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
1,2-Dichloropropane	ND		0.00500	0.000760	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
1,3-Dichloropropane	ND		0.00500	0.00100	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
2,2-Dichloropropane	ND		0.00500	0.00110	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
1,1-Dichloropropene	ND		0.00500	0.000830	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
Ethylene Dibromide	ND		0.00500	0.00100	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
cis-1,3-Dichloropropene	ND		0.00500	0.00120	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
Ethylbenzene	ND		0.00500	0.000610	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
Hexachlorobutadiene	ND		0.00500	0.00250	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
2-Hexanone	ND		0.0250	0.00500	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
Iodomethane	ND		0.00500	0.00340	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
Isopropylbenzene	ND		0.00500	0.000680	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
4-Isopropyltoluene	ND		0.00500	0.00100	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
Methylene Chloride	ND		0.0150	0.0100	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
4-Methyl-2-pentanone (MIBK)	ND		0.0250	0.0134	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
Methyl tert-butyl ether	ND		0.00500	0.00100	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
Naphthalene	ND		0.00500	0.00300	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
n-Butylbenzene	ND		0.00500	0.000960	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
N-Propylbenzene	ND		0.00500	0.000900	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
sec-Butylbenzene	ND		0.00500	0.000950	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
Styrene	ND		0.00500	0.00100	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
tert-Butylbenzene	ND		0.00500	0.00110	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
1,1,1,2-Tetrachloroethane	ND		0.00500	0.00110	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
1,1,2,2-Tetrachloroethane	ND		0.00500	0.00172	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
Tetrachloroethene	ND		0.00500	0.00300	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
Toluene	ND		0.00500	0.00100	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
trans-1,4-Dichloro-2-butene	ND		0.00500	0.00250	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
trans-1,2-Dichloroethene	ND		0.00500	0.000960	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
trans-1,3-Dichloropropene	ND		0.00500	0.00110	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
1,2,3-Trichlorobenzene	ND		0.00500	0.00110	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
1,2,4-Trichlorobenzene	ND		0.00500	0.00201	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
1,1,1-Trichloroethane	ND		0.00500	0.00110	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
1,1,2-Trichloroethane	ND		0.00500	0.00161	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
o-Xylene	ND		0.00500	0.00300	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
Trichloroethene	ND		0.00500	0.00100	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
m-Xylene & p-Xylene	ND		0.00500	0.00300	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
Trichlorofluoromethane	ND		0.00500	0.00242	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
1,2,3-Trichloropropane	ND		0.00500	0.00208	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00500	0.00188	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
1,2,4-Trimethylbenzene	ND		0.00500	0.00100	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
1,3,5-Trimethylbenzene	ND		0.00500	0.000830	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
Isopropyl ether	ND		0.00500	0.00138	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
Hexane	ND		0.00500	0.00260	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
Vinyl acetate	ND		0.0250	0.00638	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
n-Heptane	ND		0.00500	0.00289	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
Vinyl chloride	ND		0.00500	0.00218	mg/Kg		05/17/25 10:32	05/17/25 11:36	1
Ethyl acetate	ND		0.0200	0.00500	mg/Kg		05/17/25 10:32	05/17/25 11:36	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-709600/2-A
Matrix: Solid
Analysis Batch: 709576

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 709600

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.0100	0.00600	mg/Kg		05/17/25 10:32	05/17/25 11:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*50 - 150*	*05/17/25 10:32*	*05/17/25 11:36*	*1*
Dibromofluoromethane	*116*		*50 - 150*	*05/17/25 10:32*	*05/17/25 11:36*	*1*
Toluene-d8 (Surr)	*104*		*50 - 150*	*05/17/25 10:32*	*05/17/25 11:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*50 - 150*	*05/17/25 10:32*	*05/17/25 11:36*	*1*

Lab Sample ID: LCS 400-709600/1-A
Matrix: Solid
Analysis Batch: 709576

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 709600

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	0.200	0.1429		mg/Kg		71	48 - 150
Benzene	0.0500	0.04913		mg/Kg		98	65 - 130
Bromobenzene	0.0500	0.05013		mg/Kg		100	65 - 130
Bromoform	0.0500	0.05349		mg/Kg		107	52 - 136
Bromomethane	0.0500	0.05922		mg/Kg		118	12 - 150
2-Butanone (MEK)	0.200	0.1703		mg/Kg		85	55 - 130
Chlorobromomethane	0.0500	0.04833		mg/Kg		97	65 - 130
Carbon disulfide	0.0500	0.04440		mg/Kg		89	46 - 141
Carbon tetrachloride	0.0500	0.05570		mg/Kg		111	60 - 130
Chlorobenzene	0.0500	0.05026		mg/Kg		101	70 - 130
Chloroethane	0.0500	0.06107		mg/Kg		122	55 - 134
Chloroform	0.0500	0.05172		mg/Kg		103	62 - 130
Chloromethane	0.0500	0.03770		mg/Kg		75	49 - 136
2-Chlorotoluene	0.0500	0.04581		mg/Kg		92	67 - 130
4-Chlorotoluene	0.0500	0.04601		mg/Kg		92	66 - 130
Chlorodibromomethane	0.0500	0.05291		mg/Kg		106	58 - 132
1,2-Dibromo-3-Chloropropane	0.0500	0.04189		mg/Kg		84	49 - 130
Dibromomethane	0.0500	0.05224		mg/Kg		104	65 - 130
1,2-Dichlorobenzene	0.0500	0.04929		mg/Kg		99	64 - 130
1,3-Dichlorobenzene	0.0500	0.04945		mg/Kg		99	66 - 130
Dichlorobromomethane	0.0500	0.05185		mg/Kg		104	61 - 130
1,4-Dichlorobenzene	0.0500	0.04562		mg/Kg		91	65 - 130
1,1-Dichloroethane	0.0500	0.04473		mg/Kg		89	59 - 130
1,2-Dichloroethane	0.0500	0.04757		mg/Kg		95	62 - 130
cis-1,2-Dichloroethene	0.0500	0.05054		mg/Kg		101	53 - 135
1,1-Dichloroethene	0.0500	0.06240		mg/Kg		125	55 - 137
1,2-Dichloropropane	0.0500	0.04789		mg/Kg		96	64 - 130
1,3-Dichloropropane	0.0500	0.05255		mg/Kg		105	67 - 130
2,2-Dichloropropane	0.0500	0.04710		mg/Kg		94	51 - 132
1,1-Dichloropropene	0.0500	0.05208		mg/Kg		104	65 - 130
Ethylene Dibromide	0.0500	0.05133		mg/Kg		103	67 - 130
cis-1,3-Dichloropropene	0.0500	0.05358		mg/Kg		107	61 - 130
Ethylbenzene	0.0500	0.05356		mg/Kg		107	70 - 130
Hexachlorobutadiene	0.0500	0.07042	*+	mg/Kg		141	62 - 133
2-Hexanone	0.200	0.1393		mg/Kg		70	57 - 131

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-709600/1-A
Matrix: Solid
Analysis Batch: 709576

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 709600

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iodomethane	0.0500	0.05822		mg/Kg		116	12 - 150
Isopropylbenzene	0.0500	0.04756		mg/Kg		95	70 - 130
4-Isopropyltoluene	0.0500	0.04614		mg/Kg		92	68 - 130
Methylene Chloride	0.0500	0.05235		mg/Kg		105	57 - 132
4-Methyl-2-pentanone (MIBK)	0.200	0.1418		mg/Kg		71	58 - 130
Methyl tert-butyl ether	0.0500	0.05800		mg/Kg		116	63 - 130
Naphthalene	0.0500	0.04008		mg/Kg		80	45 - 144
n-Butylbenzene	0.0500	0.04976		mg/Kg		100	66 - 130
N-Propylbenzene	0.0500	0.04285		mg/Kg		86	67 - 130
sec-Butylbenzene	0.0500	0.04544		mg/Kg		91	67 - 130
Styrene	0.0500	0.04833		mg/Kg		97	68 - 130
tert-Butylbenzene	0.0500	0.04657		mg/Kg		93	67 - 130
1,1,1,2-Tetrachloroethane	0.0500	0.05409		mg/Kg		108	65 - 130
1,1,2,2-Tetrachloroethane	0.0500	0.04862		mg/Kg		97	60 - 131
Tetrachloroethene	0.0500	0.05604		mg/Kg		112	67 - 130
Toluene	0.0500	0.04990		mg/Kg		100	70 - 130
trans-1,4-Dichloro-2-butene	0.0500	0.03459		mg/Kg		69	45 - 137
trans-1,2-Dichloroethene	0.0500	0.04939		mg/Kg		99	58 - 134
trans-1,3-Dichloropropene	0.0500	0.05603		mg/Kg		112	60 - 130
1,2,3-Trichlorobenzene	0.0500	0.05344		mg/Kg		107	58 - 135
1,2,4-Trichlorobenzene	0.0500	0.05155		mg/Kg		103	56 - 138
1,1,1-Trichloroethane	0.0500	0.05326		mg/Kg		107	63 - 130
1,1,2-Trichloroethane	0.0500	0.05176		mg/Kg		104	65 - 130
o-Xylene	0.0500	0.04801		mg/Kg		96	70 - 130
Trichloroethene	0.0500	0.04903		mg/Kg		98	65 - 130
m-Xylene & p-Xylene	0.0500	0.04717		mg/Kg		94	70 - 130
Trichlorofluoromethane	0.0500	0.06477		mg/Kg		130	61 - 136
1,2,3-Trichloropropane	0.0500	0.04900		mg/Kg		98	60 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0500	0.06141		mg/Kg		123	47 - 143
1,2,4-Trimethylbenzene	0.0500	0.04431		mg/Kg		89	66 - 130
1,3,5-Trimethylbenzene	0.0500	0.04394		mg/Kg		88	67 - 130
Isopropyl ether	0.0500	0.04723		mg/Kg		94	62 - 130
Hexane	0.0500	0.03590		mg/Kg		72	57 - 132
Vinyl acetate	0.100	0.09882		mg/Kg		99	24 - 150
n-Heptane	0.0500	0.03213		mg/Kg		64	61 - 130
Vinyl chloride	0.0500	0.04832		mg/Kg		97	52 - 132
Ethyl acetate	0.100	0.08797		mg/Kg		88	21 - 150
Xylenes, Total	0.100	0.09518		mg/Kg		95	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*91*		*50 - 150*
Dibromofluoromethane	*102*		*50 - 150*
Toluene-d8 (Surr)	*101*		*50 - 150*
1,2-Dichloroethane-d4 (Surr)	*102*		*50 - 150*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-709661/4
Matrix: Water
Analysis Batch: 709661

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0	10.0	ug/L			05/19/25 12:35	1
Benzene	ND		1.00	0.500	ug/L			05/19/25 12:35	1
Bromobenzene	ND		1.00	0.540	ug/L			05/19/25 12:35	1
Bromoform	ND		5.00	0.250	ug/L			05/19/25 12:35	1
Bromomethane	ND		1.00	0.980	ug/L			05/19/25 12:35	1
2-Butanone (MEK)	ND		25.0	2.60	ug/L			05/19/25 12:35	1
Chlorobromomethane	ND		1.00	0.520	ug/L			05/19/25 12:35	1
Carbon disulfide	ND		1.00	0.500	ug/L			05/19/25 12:35	1
Carbon tetrachloride	ND		1.00	0.190	ug/L			05/19/25 12:35	1
Chlorobenzene	ND		1.00	0.420	ug/L			05/19/25 12:35	1
Chloroethane	ND		1.00	0.760	ug/L			05/19/25 12:35	1
Chloroform	ND		1.00	0.900	ug/L			05/19/25 12:35	1
Chloromethane	ND		1.00	0.400	ug/L			05/19/25 12:35	1
2-Chlorotoluene	ND		1.00	0.570	ug/L			05/19/25 12:35	1
4-Chlorotoluene	ND		1.00	0.560	ug/L			05/19/25 12:35	1
Chlorodibromomethane	ND		1.00	0.240	ug/L			05/19/25 12:35	1
1,2-Dibromo-3-Chloropropane	ND		5.00	1.50	ug/L			05/19/25 12:35	1
Dibromomethane	ND		5.00	0.220	ug/L			05/19/25 12:35	1
1,2-Dichlorobenzene	ND		1.00	0.500	ug/L			05/19/25 12:35	1
1,3-Dichlorobenzene	ND		1.00	0.540	ug/L			05/19/25 12:35	1
Dichlorobromomethane	ND		1.00	0.500	ug/L			05/19/25 12:35	1
1,4-Dichlorobenzene	ND		1.00	0.640	ug/L			05/19/25 12:35	1
1,1-Dichloroethane	ND		1.00	0.500	ug/L			05/19/25 12:35	1
1,2-Dichloroethane	ND		1.00	0.550	ug/L			05/19/25 12:35	1
cis-1,2-Dichloroethene	ND		1.00	0.200	ug/L			05/19/25 12:35	1
1,1-Dichloroethene	ND		1.00	0.500	ug/L			05/19/25 12:35	1
1,2-Dichloropropane	ND		1.00	0.500	ug/L			05/19/25 12:35	1
1,3-Dichloropropane	ND		1.00	0.500	ug/L			05/19/25 12:35	1
2,2-Dichloropropane	ND		1.00	0.500	ug/L			05/19/25 12:35	1
1,1-Dichloropropene	ND		1.00	0.0900	ug/L			05/19/25 12:35	1
Ethylene Dibromide	ND		1.00	0.230	ug/L			05/19/25 12:35	1
cis-1,3-Dichloropropene	ND		5.00	0.500	ug/L			05/19/25 12:35	1
Ethylbenzene	ND		1.00	0.500	ug/L			05/19/25 12:35	1
Hexachlorobutadiene	ND		5.00	0.900	ug/L			05/19/25 12:35	1
2-Hexanone	ND		25.0	4.26	ug/L			05/19/25 12:35	1
Iodomethane	ND		1.00	0.900	ug/L			05/19/25 12:35	1
Isopropylbenzene	ND		1.00	0.530	ug/L			05/19/25 12:35	1
4-Isopropyltoluene	ND		1.00	0.710	ug/L			05/19/25 12:35	1
Methylene Chloride	ND		5.00	3.00	ug/L			05/19/25 12:35	1
4-Methyl-2-pentanone (MIBK)	ND		25.0	1.80	ug/L			05/19/25 12:35	1
Methyl tert-butyl ether	ND		1.00	0.220	ug/L			05/19/25 12:35	1
Naphthalene	ND		5.00	3.00	ug/L			05/19/25 12:35	1
n-Butylbenzene	ND		1.00	0.760	ug/L			05/19/25 12:35	1
N-Propylbenzene	ND		1.00	0.690	ug/L			05/19/25 12:35	1
sec-Butylbenzene	ND		1.00	0.700	ug/L			05/19/25 12:35	1
Styrene	ND		1.00	1.00	ug/L			05/19/25 12:35	1
tert-Butylbenzene	ND		1.00	0.630	ug/L			05/19/25 12:35	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.380	ug/L			05/19/25 12:35	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-709661/4
Matrix: Water
Analysis Batch: 709661

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.00	0.500	ug/L			05/19/25 12:35	1
Tetrachloroethene	ND		1.00	0.330	ug/L			05/19/25 12:35	1
Toluene	ND		1.00	0.900	ug/L			05/19/25 12:35	1
trans-1,4-Dichloro-2-butene	ND		5.00	1.00	ug/L			05/19/25 12:35	1
trans-1,2-Dichloroethene	ND		1.00	0.500	ug/L			05/19/25 12:35	1
trans-1,3-Dichloropropene	ND		5.00	0.200	ug/L			05/19/25 12:35	1
1,2,3-Trichlorobenzene	ND		1.00	0.900	ug/L			05/19/25 12:35	1
1,2,4-Trichlorobenzene	ND		1.00	0.820	ug/L			05/19/25 12:35	1
1,1,1-Trichloroethane	ND		1.00	0.180	ug/L			05/19/25 12:35	1
1,1,2-Trichloroethane	ND		5.00	0.210	ug/L			05/19/25 12:35	1
o-Xylene	ND		5.00	3.00	ug/L			05/19/25 12:35	1
Trichloroethene	ND		1.00	0.150	ug/L			05/19/25 12:35	1
m-Xylene & p-Xylene	ND		5.00	3.00	ug/L			05/19/25 12:35	1
Trichlorofluoromethane	ND		1.00	0.250	ug/L			05/19/25 12:35	1
1,2,3-Trichloropropane	ND		5.00	0.840	ug/L			05/19/25 12:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.500	ug/L			05/19/25 12:35	1
1,2,4-Trimethylbenzene	ND		1.00	0.820	ug/L			05/19/25 12:35	1
1,3,5-Trimethylbenzene	ND		1.00	0.560	ug/L			05/19/25 12:35	1
Isopropyl ether	ND		1.00	0.740	ug/L			05/19/25 12:35	1
Hexane	ND		1.00	0.960	ug/L			05/19/25 12:35	1
Vinyl acetate	ND		25.0	0.930	ug/L			05/19/25 12:35	1
n-Heptane	ND		1.00	0.210	ug/L			05/19/25 12:35	1
Vinyl chloride	ND		1.00	0.500	ug/L			05/19/25 12:35	1
Ethyl acetate	ND		10.0	6.14	ug/L			05/19/25 12:35	1
Xylenes, Total	ND		10.0	6.00	ug/L			05/19/25 12:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*82*		*56 - 136*		*05/19/25 12:35*	*1*
Dibromofluoromethane	*123*		*79 - 130*		*05/19/25 12:35*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*05/19/25 12:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*59 - 146*		*05/19/25 12:35*	*1*

Lab Sample ID: LCS 400-709661/1002
Matrix: Water
Analysis Batch: 709661

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	303.3	*+	ug/L		152	43 - 150
Benzene	50.0	47.69		ug/L		95	70 - 130
Bromobenzene	50.0	53.40		ug/L		107	70 - 132
Bromoform	50.0	51.33		ug/L		103	57 - 140
Bromomethane	50.0	52.84		ug/L		106	10 - 150
2-Butanone (MEK)	200	228.4		ug/L		114	61 - 145
Chlorobromomethane	50.0	59.56		ug/L		119	70 - 130
Carbon disulfide	50.0	44.46		ug/L		89	61 - 137
Carbon tetrachloride	50.0	53.86		ug/L		108	61 - 137
Chlorobenzene	50.0	50.29		ug/L		101	70 - 130
Chloroethane	50.0	58.69		ug/L		117	55 - 141

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-709661/1002
Matrix: Water
Analysis Batch: 709661

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	50.0	49.78		ug/L		100	69 - 130
Chloromethane	50.0	42.63		ug/L		85	58 - 137
2-Chlorotoluene	50.0	37.61		ug/L		75	70 - 130
4-Chlorotoluene	50.0	41.66		ug/L		83	70 - 130
Chlorodibromomethane	50.0	53.38		ug/L		107	67 - 135
1,2-Dibromo-3-Chloropropane	50.0	52.26		ug/L		105	54 - 135
Dibromomethane	50.0	51.19		ug/L		102	70 - 130
1,2-Dichlorobenzene	50.0	52.48		ug/L		105	67 - 130
1,3-Dichlorobenzene	50.0	51.67		ug/L		103	70 - 130
Dichlorobromomethane	50.0	49.93		ug/L		100	67 - 133
1,4-Dichlorobenzene	50.0	52.17		ug/L		104	70 - 130
1,1-Dichloroethane	50.0	48.59		ug/L		97	70 - 130
1,2-Dichloroethane	50.0	49.49		ug/L		99	69 - 130
cis-1,2-Dichloroethene	50.0	47.16		ug/L		94	68 - 130
1,1-Dichloroethene	50.0	51.28		ug/L		103	63 - 134
1,2-Dichloropropane	50.0	49.73		ug/L		99	70 - 130
1,3-Dichloropropane	50.0	45.62		ug/L		91	70 - 130
2,2-Dichloropropane	50.0	45.15		ug/L		90	52 - 135
1,1-Dichloropropene	50.0	46.64		ug/L		93	70 - 130
Ethylene Dibromide	50.0	51.07		ug/L		102	70 - 130
cis-1,3-Dichloropropene	50.0	48.55		ug/L		97	69 - 132
Ethylbenzene	50.0	45.95		ug/L		92	70 - 130
Hexachlorobutadiene	50.0	65.94		ug/L		132	53 - 140
2-Hexanone	200	201.5		ug/L		101	65 - 137
Iodomethane	50.0	42.10		ug/L		84	27 - 150
Isopropylbenzene	50.0	50.09		ug/L		100	70 - 130
4-Isopropyltoluene	50.0	46.36		ug/L		93	65 - 130
Methylene Chloride	50.0	59.38		ug/L		119	66 - 135
4-Methyl-2-pentanone (MIBK)	200	200.1		ug/L		100	69 - 138
Methyl tert-butyl ether	50.0	47.19		ug/L		94	66 - 130
Naphthalene	50.0	48.41		ug/L		97	47 - 149
n-Butylbenzene	50.0	38.94		ug/L		78	67 - 130
N-Propylbenzene	50.0	47.36		ug/L		95	70 - 130
sec-Butylbenzene	50.0	45.19		ug/L		90	66 - 130
Styrene	50.0	50.75		ug/L		102	70 - 130
tert-Butylbenzene	50.0	39.87		ug/L		80	64 - 139
1,1,1,2-Tetrachloroethane	50.0	54.01		ug/L		108	67 - 131
1,1,2,2-Tetrachloroethane	50.0	39.35		ug/L		79	70 - 131
Tetrachloroethene	50.0	56.04		ug/L		112	65 - 130
Toluene	50.0	45.56		ug/L		91	70 - 130
trans-1,4-Dichloro-2-butene	50.0	39.22		ug/L		78	57 - 140
trans-1,2-Dichloroethene	50.0	47.69		ug/L		95	70 - 130
trans-1,3-Dichloropropene	50.0	44.65		ug/L		89	63 - 130
1,2,3-Trichlorobenzene	50.0	60.60		ug/L		121	60 - 138
1,2,4-Trichlorobenzene	50.0	60.92		ug/L		122	60 - 140
1,1,1-Trichloroethane	50.0	49.16		ug/L		98	68 - 130
1,1,2-Trichloroethane	50.0	46.41		ug/L		93	70 - 130
o-Xylene	50.0	46.30		ug/L		93	70 - 130
Trichloroethene	50.0	58.20		ug/L		116	70 - 130

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-709661/1002
Matrix: Water
Analysis Batch: 709661

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
m-Xylene & p-Xylene	50.0	46.02		ug/L		92	70 - 130
Trichlorofluoromethane	50.0	61.66		ug/L		123	65 - 138
1,2,3-Trichloropropane	50.0	44.46		ug/L		89	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	53.89		ug/L		108	60 - 139
1,2,4-Trimethylbenzene	50.0	44.85		ug/L		90	70 - 130
1,3,5-Trimethylbenzene	50.0	43.51		ug/L		87	69 - 130
Isopropyl ether	20.0	19.03		ug/L		95	64 - 132
Hexane	50.0	45.24		ug/L		90	69 - 130
Vinyl acetate	100	99.53		ug/L		100	26 - 150
n-Heptane	50.0	41.73		ug/L		83	70 - 130
Vinyl chloride	50.0	47.45		ug/L		95	59 - 136
Ethyl acetate	100	94.25		ug/L		94	34 - 150
Xylenes, Total	100	92.33		ug/L		92	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*79*		*56 - 136*
Dibromofluoromethane	*111*		*79 - 130*
Toluene-d8 (Surr)	*92*		*64 - 132*
1,2-Dichloroethane-d4 (Surr)	*100*		*59 - 146*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-708696/1-A
Matrix: Solid
Analysis Batch: 708889

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 708696

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.330	0.0830	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
2,4,5-Trichlorophenol	ND		0.330	0.101	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
2,4,6-Trichlorophenol	ND		0.330	0.105	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
2,4-Dichlorophenol	ND		0.330	0.0700	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
2,4-Dimethylphenol	ND		0.330	0.0940	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
2,4-Dinitrophenol	ND		0.990	0.290	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
2,4-Dinitrotoluene	ND		0.330	0.101	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
2-Chlorophenol	ND		0.330	0.121	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
2-Chloronaphthalene	ND		0.330	0.0770	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
2-Methylnaphthalene	ND		0.330	0.109	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
2-Methylphenol	ND		0.330	0.0800	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
2-Nitroaniline	ND		0.330	0.0700	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
2-Nitrophenol	ND		0.330	0.118	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
3 & 4 Methylphenol	ND		0.660	0.0770	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
3,3'-Dichlorobenzidine	ND		0.330	0.110	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
3-Nitroaniline	ND		0.330	0.0780	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
4,6-Dinitro-2-methylphenol	ND		0.330	0.240	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
4-Bromophenyl phenyl ether	ND		0.330	0.105	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
4-Chloro-3-methylphenol	ND		0.330	0.0810	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
4-Chloroaniline	ND		0.330	0.0810	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
4-Chlorophenyl phenyl ether	ND		0.330	0.0330	mg/Kg		05/09/25 07:00	05/12/25 23:48	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-708696/1-A
Matrix: Solid
Analysis Batch: 708889

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 708696

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		0.330	0.113	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Acenaphthene	ND		0.330	0.0810	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Acenaphthylene	ND		0.330	0.0880	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Acetophenone	ND		0.330	0.0940	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Anthracene	ND		0.330	0.0780	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Benzo[a]anthracene	ND		0.330	0.0880	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Benzo[a]pyrene	ND		0.330	0.0470	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Benzo[b]fluoranthene	ND		0.330	0.0990	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Benzo[g,h,i]perylene	ND		0.330	0.110	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Benzo[k]fluoranthene	ND		0.330	0.0780	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Bis(2-chloroethoxy)methane	ND		0.330	0.0730	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Bis(2-chloroethyl)ether	ND		0.330	0.108	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Bis(2-ethylhexyl) phthalate	ND		0.330	0.0810	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Chrysene	ND		0.330	0.106	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Dibenz(a,h)anthracene	ND		0.330	0.127	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Dibenzofuran	ND		0.330	0.0830	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Di-n-butyl phthalate	ND		0.330	0.0970	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Diethyl phthalate	ND		0.330	0.106	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Dimethyl phthalate	ND		0.330	0.0890	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Di-n-octyl phthalate	ND		0.330	0.120	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Fluoranthene	ND		0.330	0.0730	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Fluorene	ND		0.330	0.0900	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Hexachlorobenzene	ND		0.330	0.100	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Hexachlorobutadiene	ND		0.330	0.139	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Hexachlorocyclopentadiene	ND		0.330	0.0660	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Hexachloroethane	ND		0.330	0.152	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Indeno[1,2,3-cd]pyrene	ND		0.330	0.133	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Isophorone	ND		0.330	0.0670	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Naphthalene	ND		0.330	0.0890	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Nitrobenzene	ND		0.330	0.0980	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
N-Nitrosodiphenylamine	ND		0.330	0.0840	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
N-Nitrosodi-n-propylamine	ND		0.330	0.105	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Pentachlorophenol	ND		0.660	0.160	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Phenanthrene	ND		0.330	0.0810	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Phenol	ND		0.330	0.0890	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Pyrene	ND		0.330	0.0780	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Butyl benzyl phthalate	ND		0.330	0.160	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
bis (2-chloroisopropyl) ether	ND		0.330	0.126	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Carbazole	ND		0.330	0.112	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
2,6-Dinitrotoluene	ND		0.330	0.103	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
4-Nitrophenol	ND		0.330	0.300	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Atrazine	ND		0.330	0.0900	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Benzaldehyde	ND		0.330	0.134	mg/Kg		05/09/25 07:00	05/12/25 23:48	1
Caprolactam	ND		0.330	0.0840	mg/Kg		05/09/25 07:00	05/12/25 23:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*48*		*10 - 150*	*05/09/25 07:00*	*05/12/25 23:48*	*1*
2-Fluorobiphenyl (Surr)	*66*		*27 - 127*	*05/09/25 07:00*	*05/12/25 23:48*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-708696/1-A
Matrix: Solid
Analysis Batch: 708889

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 708696

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	55		25 - 128	05/09/25 07:00	05/12/25 23:48	1
Terphenyl-d14 (Surr)	79		24 - 146	05/09/25 07:00	05/12/25 23:48	1
Phenol-d5 (Surr)	58		29 - 130	05/09/25 07:00	05/12/25 23:48	1
Nitrobenzene-d5 (Surr)	54		15 - 136	05/09/25 07:00	05/12/25 23:48	1

Lab Sample ID: LCS 400-708696/2-A
Matrix: Solid
Analysis Batch: 708889

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 708696

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	2.00	1.292		mg/Kg		65	47 - 100
2,4,5-Trichlorophenol	2.00	1.273		mg/Kg		64	50 - 118
2,4,6-Trichlorophenol	2.00	1.223		mg/Kg		61	49 - 115
2,4-Dichlorophenol	2.00	1.066		mg/Kg		53	53 - 120
2,4-Dimethylphenol	2.00	1.299		mg/Kg		65	45 - 108
2,4-Dinitrophenol	4.00	5.596	*+	mg/Kg		140	10 - 138
2,4-Dinitrotoluene	2.00	1.562		mg/Kg		78	53 - 133
2-Chlorophenol	2.00	1.311		mg/Kg		66	50 - 102
2-Chloronaphthalene	2.00	1.355		mg/Kg		68	48 - 102
2-Methylnaphthalene	2.00	1.183		mg/Kg		59	39 - 112
2-Methylphenol	2.00	1.499		mg/Kg		75	49 - 111
2-Nitroaniline	2.00	1.342		mg/Kg		67	46 - 108
2-Nitrophenol	2.00	1.103		mg/Kg		55	53 - 120
3 & 4 Methylphenol	2.00	1.454		mg/Kg		73	47 - 123
3,3'-Dichlorobenzidine	2.67	2.370		mg/Kg		89	42 - 120
3-Nitroaniline	2.00	1.504		mg/Kg		75	28 - 119
4,6-Dinitro-2-methylphenol	4.00	5.563	*+	mg/Kg		139	35 - 135
4-Bromophenyl phenyl ether	2.00	1.400		mg/Kg		70	51 - 120
4-Chloro-3-methylphenol	2.00	1.162		mg/Kg		58	57 - 124
4-Chloroaniline	2.00	1.113		mg/Kg		56	26 - 102
4-Chlorophenyl phenyl ether	2.00	1.364		mg/Kg		68	53 - 113
4-Nitroaniline	2.00	3.412	*+	mg/Kg		171	32 - 131
Acenaphthene	2.00	1.592		mg/Kg		80	46 - 112
Acenaphthylene	2.00	1.332		mg/Kg		67	41 - 116
Acetophenone	2.00	1.302		mg/Kg		65	43 - 100
Anthracene	2.00	1.598		mg/Kg		80	43 - 120
Benzo[a]anthracene	2.00	1.548		mg/Kg		77	45 - 122
Benzo[a]pyrene	2.00	1.692		mg/Kg		85	40 - 121
Benzo[b]fluoranthene	2.00	1.636		mg/Kg		82	37 - 116
Benzo[g,h,i]perylene	2.00	1.417		mg/Kg		71	34 - 120
Benzo[k]fluoranthene	2.00	1.936		mg/Kg		97	35 - 133
Bis(2-chloroethoxy)methane	2.00	1.028		mg/Kg		51	33 - 100
Bis(2-chloroethyl)ether	2.00	1.050		mg/Kg		53	28 - 120
Bis(2-ethylhexyl) phthalate	2.00	1.285		mg/Kg		64	40 - 150
Chrysene	2.00	1.599		mg/Kg		80	42 - 132
Dibenz(a,h)anthracene	2.00	1.748		mg/Kg		87	36 - 127
Dibenzofuran	2.00	1.444		mg/Kg		72	54 - 105
Di-n-butyl phthalate	2.00	2.113		mg/Kg		106	40 - 122

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-708696/2-A
Matrix: Solid
Analysis Batch: 708889

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 708696

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diethyl phthalate	2.00	1.834		mg/Kg		92	40 - 128
Dimethyl phthalate	2.00	1.325		mg/Kg		66	58 - 120
Di-n-octyl phthalate	2.00	1.447		mg/Kg		72	40 - 137
Fluoranthene	2.00	1.668		mg/Kg		83	42 - 124
Fluorene	2.00	1.799		mg/Kg		90	45 - 116
Hexachlorobenzene	2.00	1.822		mg/Kg		91	49 - 127
Hexachlorobutadiene	2.00	1.168		mg/Kg		58	43 - 120
Hexachlorocyclopentadiene	2.00	1.637		mg/Kg		82	10 - 140
Hexachloroethane	2.00	1.237		mg/Kg		62	45 - 120
Indeno[1,2,3-cd]pyrene	2.00	1.737		mg/Kg		87	40 - 117
Isophorone	2.00	0.9943		mg/Kg		50	36 - 120
Naphthalene	2.00	1.342		mg/Kg		67	40 - 106
Nitrobenzene	2.00	1.025		mg/Kg		51	40 - 120
N-Nitrosodiphenylamine	1.98	1.351		mg/Kg		68	54 - 120
N-Nitrosodi-n-propylamine	2.00	1.378		mg/Kg		69	39 - 120
Pentachlorophenol	4.00	3.952		mg/Kg		99	32 - 131
Phenanthrene	2.00	1.714		mg/Kg		86	47 - 111
Phenol	2.00	1.197		mg/Kg		60	40 - 120
Pyrene	2.00	1.253		mg/Kg		63	41 - 124
Butyl benzyl phthalate	2.00	1.203		mg/Kg		60	50 - 126
bis (2-chloroisopropyl) ether	2.00	1.170		mg/Kg		59	18 - 105
Carbazole	2.00	2.038		mg/Kg		102	36 - 132
2,6-Dinitrotoluene	2.00	1.217		mg/Kg		61	51 - 114
4-Nitrophenol	4.00	3.985		mg/Kg		100	35 - 139
Atrazine	2.00	1.716		mg/Kg		86	44 - 120
Benzaldehyde	2.00	0.9421		mg/Kg		47	20 - 120
Caprolactam	2.00	1.053		mg/Kg		53	43 - 111

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*64*		*10 - 150*
2-Fluorobiphenyl (Surr)	*73*		*27 - 127*
2-Fluorophenol (Surr)	*53*		*25 - 128*
Terphenyl-d14 (Surr)	*74*		*24 - 146*
Phenol-d5 (Surr)	*59*		*29 - 130*
Nitrobenzene-d5 (Surr)	*58*		*15 - 136*

Lab Sample ID: 400-275302-1 MS
Matrix: Solid
Analysis Batch: 708847

Client Sample ID: SED-1
Prep Type: Total/NA
Prep Batch: 708696

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	ND		2.66	2.074	J	mg/Kg	☼	78	40 - 140
2,4,5-Trichlorophenol	ND		2.66	2.376		mg/Kg	☼	89	40 - 140
2,4,6-Trichlorophenol	ND		2.66	2.201		mg/Kg	☼	83	40 - 140
2,4-Dichlorophenol	ND		2.66	2.256		mg/Kg	☼	85	40 - 140
2,4-Dimethylphenol	ND		2.66	2.367		mg/Kg	☼	89	40 - 140
2,4-Dinitrophenol	ND	F1 *+	5.31	2.210	J	mg/Kg	☼	42	40 - 140
2,4-Dinitrotoluene	ND		2.66	2.267		mg/Kg	☼	85	40 - 140

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-275302-1 MS
Matrix: Solid
Analysis Batch: 708847

Client Sample ID: SED-1
Prep Type: Total/NA
Prep Batch: 708696

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chlorophenol	ND		2.66	1.915	J	mg/Kg	☼	72	40 - 140
2-Chloronaphthalene	ND		2.66	2.408		mg/Kg	☼	91	40 - 140
2-Methylnaphthalene	ND		2.66	2.131	J	mg/Kg	☼	80	40 - 140
2-Methylphenol	ND		2.66	2.388		mg/Kg	☼	90	40 - 140
2-Nitroaniline	ND		2.66	2.493		mg/Kg	☼	94	40 - 140
2-Nitrophenol	ND		2.66	2.393		mg/Kg	☼	90	40 - 140
3 & 4 Methylphenol	ND		2.66	2.331	J	mg/Kg	☼	88	40 - 140
3,3'-Dichlorobenzidine	ND		3.54	2.275		mg/Kg	☼	64	40 - 140
3-Nitroaniline	ND		2.66	1.433	J	mg/Kg	☼	54	40 - 140
4,6-Dinitro-2-methylphenol	ND	*+	5.31	3.342		mg/Kg	☼	63	40 - 140
4-Bromophenyl phenyl ether	ND		2.66	2.014	J	mg/Kg	☼	76	40 - 140
4-Chloro-3-methylphenol	ND		2.66	2.301		mg/Kg	☼	87	40 - 140
4-Chloroaniline	ND		2.66	1.314	J	mg/Kg	☼	49	40 - 140
4-Chlorophenyl phenyl ether	ND		2.66	2.232		mg/Kg	☼	84	40 - 140
4-Nitroaniline	ND	*+	2.66	1.378	J	mg/Kg	☼	52	40 - 140
Acenaphthene	ND		2.66	2.129	J	mg/Kg	☼	80	40 - 140
Acenaphthylene	ND		2.66	2.095	J	mg/Kg	☼	79	40 - 140
Acetophenone	ND		2.66	2.017	J	mg/Kg	☼	76	40 - 140
Anthracene	ND		2.66	2.290		mg/Kg	☼	86	40 - 140
Benzo[a]anthracene	ND		2.66	2.458		mg/Kg	☼	93	40 - 140
Benzo[a]pyrene	ND		2.66	2.329		mg/Kg	☼	88	40 - 140
Benzo[b]fluoranthene	ND		2.66	2.804		mg/Kg	☼	106	40 - 140
Benzo[g,h,i]perylene	ND		2.66	2.249		mg/Kg	☼	85	40 - 140
Benzo[k]fluoranthene	ND		2.66	2.212		mg/Kg	☼	83	40 - 140
Bis(2-chloroethoxy)methane	ND		2.66	1.939	J	mg/Kg	☼	73	40 - 140
Bis(2-chloroethyl)ether	ND		2.66	2.747		mg/Kg	☼	103	40 - 140
Bis(2-ethylhexyl) phthalate	ND		2.66	2.134	J	mg/Kg	☼	80	40 - 140
Chrysene	ND		2.66	2.344		mg/Kg	☼	88	40 - 140
Dibenz(a,h)anthracene	ND		2.66	2.160	J	mg/Kg	☼	81	40 - 140
Dibenzofuran	ND		2.66	2.255		mg/Kg	☼	85	40 - 140
Di-n-butyl phthalate	ND		2.66	2.526		mg/Kg	☼	95	40 - 140
Diethyl phthalate	ND		2.66	2.514		mg/Kg	☼	95	40 - 140
Dimethyl phthalate	ND		2.66	2.223		mg/Kg	☼	84	40 - 140
Di-n-octyl phthalate	ND		2.66	2.109	J	mg/Kg	☼	79	40 - 140
Fluoranthene	0.977	J	2.66	3.291		mg/Kg	☼	87	40 - 140
Fluorene	ND		2.66	2.378		mg/Kg	☼	90	40 - 140
Hexachlorobenzene	ND		2.66	2.231		mg/Kg	☼	84	40 - 140
Hexachlorobutadiene	ND		2.66	2.083	J	mg/Kg	☼	78	40 - 140
Hexachlorocyclopentadiene	ND	F1	2.66	1.235	J	mg/Kg	☼	46	40 - 140
Hexachloroethane	ND		2.66	1.779	J	mg/Kg	☼	67	40 - 140
Indeno[1,2,3-cd]pyrene	ND		2.66	2.313		mg/Kg	☼	87	40 - 140
Isophorone	ND		2.66	1.921	J	mg/Kg	☼	72	40 - 140
Naphthalene	ND		2.66	1.945	J	mg/Kg	☼	73	40 - 140
Nitrobenzene	ND		2.66	1.865	J	mg/Kg	☼	70	40 - 140
N-Nitrosodiphenylamine	ND		2.64	1.902	J	mg/Kg	☼	72	40 - 140
N-Nitrosodi-n-propylamine	ND		2.66	1.770	J	mg/Kg	☼	67	40 - 140
Pentachlorophenol	ND		5.31	4.066	J	mg/Kg	☼	77	40 - 140
Phenanthrene	ND		2.66	2.323		mg/Kg	☼	87	40 - 140
Phenol	ND		2.66	1.974	J	mg/Kg	☼	74	40 - 140

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-275302-1 MS
Matrix: Solid
Analysis Batch: 708847

Client Sample ID: SED-1
Prep Type: Total/NA
Prep Batch: 708696

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Pyrene	0.623	J	2.66	2.459		mg/Kg	☼	69	40 - 140
Butyl benzyl phthalate	ND		2.66	1.925	J	mg/Kg	☼	72	40 - 140
bis (2-chloroisopropyl) ether	ND		2.66	1.567	J	mg/Kg	☼	59	40 - 140
Carbazole	ND		2.66	2.596		mg/Kg	☼	98	40 - 140
2,6-Dinitrotoluene	ND		2.66	2.239		mg/Kg	☼	84	40 - 140
4-Nitrophenol	ND		5.31	4.052		mg/Kg	☼	76	40 - 140
Atrazine	ND		2.66	1.750	J	mg/Kg	☼	66	40 - 140
Benzaldehyde	ND		2.66	2.857		mg/Kg	☼	108	40 - 140
Caprolactam	ND		2.66	1.893	J	mg/Kg	☼	71	40 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*87*		*10 - 150*
2-Fluorobiphenyl (Surr)	*77*		*27 - 127*
2-Fluorophenol (Surr)	*67*		*25 - 128*
Terphenyl-d14 (Surr)	*78*		*24 - 146*
Phenol-d5 (Surr)	*68*		*29 - 130*
Nitrobenzene-d5 (Surr)	*74*		*15 - 136*

Lab Sample ID: 400-275302-1 MSD
Matrix: Solid
Analysis Batch: 708847

Client Sample ID: SED-1
Prep Type: Total/NA
Prep Batch: 708696

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	ND		2.65	1.976	J	mg/Kg	☼	75	40 - 140	5	30
2,4,5-Trichlorophenol	ND		2.65	2.143	J	mg/Kg	☼	81	40 - 140	10	30
2,4,6-Trichlorophenol	ND		2.65	2.110	J	mg/Kg	☼	80	40 - 140	4	30
2,4-Dichlorophenol	ND		2.65	2.050	J	mg/Kg	☼	77	40 - 140	10	30
2,4-Dimethylphenol	ND		2.65	2.150	J	mg/Kg	☼	81	40 - 140	10	30
2,4-Dinitrophenol	ND	F1 *+	5.30	ND	F1	mg/Kg	☼	0	40 - 140	NC	30
2,4-Dinitrotoluene	ND		2.65	2.123	J	mg/Kg	☼	80	40 - 140	7	30
2-Chlorophenol	ND		2.65	1.769	J	mg/Kg	☼	67	40 - 140	8	30
2-Chloronaphthalene	ND		2.65	2.998		mg/Kg	☼	113	40 - 140	22	30
2-Methylnaphthalene	ND		2.65	1.930	J	mg/Kg	☼	73	40 - 140	10	30
2-Methylphenol	ND		2.65	2.242		mg/Kg	☼	85	40 - 140	6	30
2-Nitroaniline	ND		2.65	2.364		mg/Kg	☼	89	40 - 140	5	30
2-Nitrophenol	ND		2.65	2.103	J	mg/Kg	☼	79	40 - 140	13	30
3 & 4 Methylphenol	ND		2.65	2.191	J	mg/Kg	☼	83	40 - 140	6	30
3,3'-Dichlorobenzidine	ND		3.53	2.675		mg/Kg	☼	76	40 - 140	16	30
3-Nitroaniline	ND		2.65	1.420	J	mg/Kg	☼	54	40 - 140	1	30
4,6-Dinitro-2-methylphenol	ND	*+	5.30	2.461		mg/Kg	☼	46	40 - 140	30	30
4-Bromophenyl phenyl ether	ND		2.65	1.894	J	mg/Kg	☼	72	40 - 140	6	30
4-Chloro-3-methylphenol	ND		2.65	2.122	J	mg/Kg	☼	80	40 - 140	8	30
4-Chloroaniline	ND		2.65	1.392	J	mg/Kg	☼	53	40 - 140	6	30
4-Chlorophenyl phenyl ether	ND		2.65	2.158	J	mg/Kg	☼	81	40 - 140	3	30
4-Nitroaniline	ND	*+	2.65	1.633	J	mg/Kg	☼	62	40 - 140	17	30
Acenaphthene	ND		2.65	2.018	J	mg/Kg	☼	76	40 - 140	5	30
Acenaphthylene	ND		2.65	1.937	J	mg/Kg	☼	73	40 - 140	8	30
Acetophenone	ND		2.65	1.915	J	mg/Kg	☼	72	40 - 140	5	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-275302-1 MSD
Matrix: Solid
Analysis Batch: 708847

Client Sample ID: SED-1
Prep Type: Total/NA
Prep Batch: 708696

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Anthracene	ND		2.65	2.263		mg/Kg	☼	85	40 - 140	1	30
Benzo[a]anthracene	ND		2.65	2.562		mg/Kg	☼	97	40 - 140	4	30
Benzo[a]pyrene	ND		2.65	2.546		mg/Kg	☼	96	40 - 140	9	30
Benzo[b]fluoranthene	ND		2.65	2.895		mg/Kg	☼	109	40 - 140	3	30
Benzo[g,h,i]perylene	ND		2.65	2.284		mg/Kg	☼	86	40 - 140	2	30
Benzo[k]fluoranthene	ND		2.65	2.328		mg/Kg	☼	88	40 - 140	5	30
Bis(2-chloroethoxy)methane	ND		2.65	1.723	J	mg/Kg	☼	65	40 - 140	12	30
Bis(2-chloroethyl)ether	ND		2.65	2.568		mg/Kg	☼	97	40 - 140	7	30
Bis(2-ethylhexyl) phthalate	ND		2.65	2.355		mg/Kg	☼	89	40 - 140	10	30
Chrysene	ND		2.65	2.461		mg/Kg	☼	93	40 - 140	5	30
Dibenz(a,h)anthracene	ND		2.65	2.071	J	mg/Kg	☼	78	40 - 140	4	30
Dibenzofuran	ND		2.65	2.088	J	mg/Kg	☼	79	40 - 140	8	30
Di-n-butyl phthalate	ND		2.65	2.403		mg/Kg	☼	91	40 - 140	5	30
Diethyl phthalate	ND		2.65	2.444		mg/Kg	☼	92	40 - 140	3	30
Dimethyl phthalate	ND		2.65	2.064	J	mg/Kg	☼	78	40 - 140	7	30
Di-n-octyl phthalate	ND		2.65	2.066	J	mg/Kg	☼	78	40 - 140	2	30
Fluoranthene	0.977	J	2.65	3.862		mg/Kg	☼	109	40 - 140	16	30
Fluorene	ND		2.65	2.299		mg/Kg	☼	87	40 - 140	3	30
Hexachlorobenzene	ND		2.65	2.211		mg/Kg	☼	84	40 - 140	1	30
Hexachlorobutadiene	ND		2.65	1.909	J	mg/Kg	☼	72	40 - 140	9	30
Hexachlorocyclopentadiene	ND	F1	2.65	0.9195	J F1	mg/Kg	☼	35	40 - 140	29	30
Hexachloroethane	ND		2.65	1.563	J	mg/Kg	☼	59	40 - 140	13	30
Indeno[1,2,3-cd]pyrene	ND		2.65	2.256		mg/Kg	☼	85	40 - 140	3	30
Isophorone	ND		2.65	1.752	J	mg/Kg	☼	66	40 - 140	9	30
Naphthalene	ND		2.65	1.799	J	mg/Kg	☼	68	40 - 140	8	30
Nitrobenzene	ND		2.65	1.662	J	mg/Kg	☼	63	40 - 140	11	30
N-Nitrosodiphenylamine	ND		2.63	1.881	J	mg/Kg	☼	72	40 - 140	1	30
N-Nitrosodi-n-propylamine	ND		2.65	1.541	J	mg/Kg	☼	58	40 - 140	14	30
Pentachlorophenol	ND		5.30	3.745	J	mg/Kg	☼	71	40 - 140	8	30
Phenanthrene	ND		2.65	2.456		mg/Kg	☼	93	40 - 140	6	30
Phenol	ND		2.65	1.813	J	mg/Kg	☼	68	40 - 140	8	30
Pyrene	0.623	J	2.65	2.637		mg/Kg	☼	76	40 - 140	7	30
Butyl benzyl phthalate	ND		2.65	1.820	J	mg/Kg	☼	69	40 - 140	6	30
bis (2-chloroisopropyl) ether	ND		2.65	1.351	J	mg/Kg	☼	51	40 - 140	15	30
Carbazole	ND		2.65	2.496		mg/Kg	☼	94	40 - 140	4	30
2,6-Dinitrotoluene	ND		2.65	1.994	J	mg/Kg	☼	75	40 - 140	12	30
4-Nitrophenol	ND		5.30	3.696		mg/Kg	☼	70	40 - 140	9	30
Atrazine	ND		2.65	1.715	J	mg/Kg	☼	65	40 - 140	2	30
Benzaldehyde	ND		2.65	2.828		mg/Kg	☼	107	40 - 140	1	30
Caprolactam	ND		2.65	1.648	J	mg/Kg	☼	62	40 - 140	14	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*82*		*10 - 150*
2-Fluorobiphenyl (Surr)	*71*		*27 - 127*
2-Fluorophenol (Surr)	*60*		*25 - 128*
Terphenyl-d14 (Surr)	*71*		*24 - 146*
Phenol-d5 (Surr)	*61*		*29 - 130*
Nitrobenzene-d5 (Surr)	*65*		*15 - 136*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 400-708738/1-A
Matrix: Water
Analysis Batch: 709019

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 708738

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10.0	0.420	ug/L		05/10/25 07:00	05/13/25 21:28	1
2,4,5-Trichlorophenol	ND		10.0	0.540	ug/L		05/10/25 07:00	05/13/25 21:28	1
2,4,6-Trichlorophenol	ND		10.0	1.09	ug/L		05/10/25 07:00	05/13/25 21:28	1
2,4-Dichlorophenol	ND		10.0	0.570	ug/L		05/10/25 07:00	05/13/25 21:28	1
2,4-Dimethylphenol	ND		10.0	0.240	ug/L		05/10/25 07:00	05/13/25 21:28	1
2,4-Dinitrophenol	ND		30.0	4.68	ug/L		05/10/25 07:00	05/13/25 21:28	1
2,4-Dinitrotoluene	ND		10.0	0.650	ug/L		05/10/25 07:00	05/13/25 21:28	1
2,6-Dinitrotoluene	ND		10.0	0.290	ug/L		05/10/25 07:00	05/13/25 21:28	1
2-Chloronaphthalene	ND		10.0	0.380	ug/L		05/10/25 07:00	05/13/25 21:28	1
2-Chlorophenol	ND		10.0	0.840	ug/L		05/10/25 07:00	05/13/25 21:28	1
2-Methylnaphthalene	ND		10.0	0.810	ug/L		05/10/25 07:00	05/13/25 21:28	1
2-Methylphenol	ND		10.0	0.760	ug/L		05/10/25 07:00	05/13/25 21:28	1
2-Nitroaniline	ND		10.0	1.37	ug/L		05/10/25 07:00	05/13/25 21:28	1
2-Nitrophenol	ND		10.0	1.17	ug/L		05/10/25 07:00	05/13/25 21:28	1
3 & 4 Methylphenol	ND		20.0	4.60	ug/L		05/10/25 07:00	05/13/25 21:28	1
3,3'-Dichlorobenzidine	ND		11.0	0.410	ug/L		05/10/25 07:00	05/13/25 21:28	1
3-Nitroaniline	ND		10.0	0.950	ug/L		05/10/25 07:00	05/13/25 21:28	1
4,6-Dinitro-2-methylphenol	ND		10.0	1.97	ug/L		05/10/25 07:00	05/13/25 21:28	1
4-Bromophenyl phenyl ether	ND		10.0	0.130	ug/L		05/10/25 07:00	05/13/25 21:28	1
4-Chloro-3-methylphenol	ND		10.0	0.730	ug/L		05/10/25 07:00	05/13/25 21:28	1
4-Chloroaniline	ND		10.0	0.280	ug/L		05/10/25 07:00	05/13/25 21:28	1
4-Chlorophenyl phenyl ether	ND		10.0	0.240	ug/L		05/10/25 07:00	05/13/25 21:28	1
4-Nitroaniline	ND		10.0	3.50	ug/L		05/10/25 07:00	05/13/25 21:28	1
4-Nitrophenol	ND		10.0	2.74	ug/L		05/10/25 07:00	05/13/25 21:28	1
Acenaphthene	ND		10.0	0.630	ug/L		05/10/25 07:00	05/13/25 21:28	1
Acenaphthylene	ND		10.0	0.760	ug/L		05/10/25 07:00	05/13/25 21:28	1
Acetophenone	ND		10.0	3.20	ug/L		05/10/25 07:00	05/13/25 21:28	1
Anthracene	ND		10.0	0.910	ug/L		05/10/25 07:00	05/13/25 21:28	1
Atrazine	ND		10.0	1.13	ug/L		05/10/25 07:00	05/13/25 21:28	1
Benzaldehyde	ND		10.0	0.670	ug/L		05/10/25 07:00	05/13/25 21:28	1
Benzo[a]anthracene	ND		10.0	1.00	ug/L		05/10/25 07:00	05/13/25 21:28	1
Benzo[a]pyrene	ND		10.0	1.10	ug/L		05/10/25 07:00	05/13/25 21:28	1
Benzo[b]fluoranthene	ND		10.0	1.20	ug/L		05/10/25 07:00	05/13/25 21:28	1
Benzo[g,h,i]perylene	ND		10.0	1.50	ug/L		05/10/25 07:00	05/13/25 21:28	1
Benzo[k]fluoranthene	ND		10.0	1.50	ug/L		05/10/25 07:00	05/13/25 21:28	1
bis (2-chloroisopropyl) ether	ND		10.0	0.930	ug/L		05/10/25 07:00	05/13/25 21:28	1
Bis(2-chloroethoxy)methane	ND		10.0	0.340	ug/L		05/10/25 07:00	05/13/25 21:28	1
Bis(2-chloroethyl)ether	ND		10.0	0.730	ug/L		05/10/25 07:00	05/13/25 21:28	1
Bis(2-ethylhexyl) phthalate	ND		10.0	4.00	ug/L		05/10/25 07:00	05/13/25 21:28	1
Butyl benzyl phthalate	ND		10.0	4.00	ug/L		05/10/25 07:00	05/13/25 21:28	1
Caprolactam	ND		10.0	2.40	ug/L		05/10/25 07:00	05/13/25 21:28	1
Carbazole	ND		10.0	0.320	ug/L		05/10/25 07:00	05/13/25 21:28	1
Chrysene	ND		10.0	1.20	ug/L		05/10/25 07:00	05/13/25 21:28	1
Dibenz(a,h)anthracene	ND		10.0	1.30	ug/L		05/10/25 07:00	05/13/25 21:28	1
Dibenzofuran	ND		10.0	0.640	ug/L		05/10/25 07:00	05/13/25 21:28	1
Diethyl phthalate	ND		10.0	4.00	ug/L		05/10/25 07:00	05/13/25 21:28	1
Dimethyl phthalate	ND		10.0	4.00	ug/L		05/10/25 07:00	05/13/25 21:28	1
Di-n-butyl phthalate	ND		10.0	4.00	ug/L		05/10/25 07:00	05/13/25 21:28	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 400-708738/1-A
Matrix: Water
Analysis Batch: 709019

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 708738

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		10.0	4.00	ug/L		05/10/25 07:00	05/13/25 21:28	1
Fluoranthene	ND		10.0	0.630	ug/L		05/10/25 07:00	05/13/25 21:28	1
Fluorene	ND		10.0	0.670	ug/L		05/10/25 07:00	05/13/25 21:28	1
Hexachlorobenzene	ND		10.0	0.250	ug/L		05/10/25 07:00	05/13/25 21:28	1
Hexachlorobutadiene	ND		10.0	0.550	ug/L		05/10/25 07:00	05/13/25 21:28	1
Hexachlorocyclopentadiene	ND		20.0	0.320	ug/L		05/10/25 07:00	05/13/25 21:28	1
Hexachloroethane	ND		10.0	0.530	ug/L		05/10/25 07:00	05/13/25 21:28	1
Indeno[1,2,3-cd]pyrene	ND		10.0	1.10	ug/L		05/10/25 07:00	05/13/25 21:28	1
Isophorone	ND		10.0	0.800	ug/L		05/10/25 07:00	05/13/25 21:28	1
Naphthalene	ND		10.0	0.750	ug/L		05/10/25 07:00	05/13/25 21:28	1
Nitrobenzene	ND		10.0	0.600	ug/L		05/10/25 07:00	05/13/25 21:28	1
N-Nitrosodi-n-propylamine	ND		10.0	0.330	ug/L		05/10/25 07:00	05/13/25 21:28	1
N-Nitrosodiphenylamine	ND		10.0	0.190	ug/L		05/10/25 07:00	05/13/25 21:28	1
Pentachlorophenol	ND		10.0	2.80	ug/L		05/10/25 07:00	05/13/25 21:28	1
Phenanthrene	ND		10.0	0.740	ug/L		05/10/25 07:00	05/13/25 21:28	1
Phenol	ND		10.0	0.680	ug/L		05/10/25 07:00	05/13/25 21:28	1
Pyrene	ND		10.0	0.630	ug/L		05/10/25 07:00	05/13/25 21:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*78*		*10 - 150*	*05/10/25 07:00*	*05/13/25 21:28*	*1*
2-Fluorobiphenyl (Surr)	*72*		*15 - 150*	*05/10/25 07:00*	*05/13/25 21:28*	*1*
2-Fluorophenol (Surr)	*75*		*10 - 150*	*05/10/25 07:00*	*05/13/25 21:28*	*1*
Nitrobenzene-d5 (Surr)	*94*		*50 - 150*	*05/10/25 07:00*	*05/13/25 21:28*	*1*
Phenol-d5 (Surr)	*69*		*10 - 150*	*05/10/25 07:00*	*05/13/25 21:28*	*1*
Terphenyl-d14 (Surr)	*67*		*43 - 147*	*05/10/25 07:00*	*05/13/25 21:28*	*1*

Lab Sample ID: LCS 400-708738/2-A
Matrix: Water
Analysis Batch: 709019

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 708738

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	50.0	34.09		ug/L		68	47 - 124
2,4,5-Trichlorophenol	50.0	45.16		ug/L		90	10 - 150
2,4,6-Trichlorophenol	50.0	47.31		ug/L		95	50 - 150
2,4-Dichlorophenol	50.0	38.43		ug/L		77	11 - 150
2,4-Dimethylphenol	50.0	28.75		ug/L		58	5 - 150
2,4-Dinitrophenol	100	81.08		ug/L		81	10 - 150
2,4-Dinitrotoluene	50.0	47.51		ug/L		95	46 - 137
2,6-Dinitrotoluene	50.0	41.26		ug/L		83	35 - 150
2-Chloronaphthalene	50.0	35.59		ug/L		71	44 - 122
2-Chlorophenol	50.0	44.76		ug/L		90	10 - 150
2-Methylnaphthalene	50.0	32.66		ug/L		65	31 - 115
2-Methylphenol	50.0	28.94		ug/L		58	42 - 120
2-Nitroaniline	50.0	50.17		ug/L		100	10 - 150
2-Nitrophenol	50.0	45.28		ug/L		91	21 - 150
3 & 4 Methylphenol	50.0	51.42		ug/L		103	10 - 150
3,3'-Dichlorobenzidine	66.7	59.13		ug/L		89	10 - 150
3-Nitroaniline	50.0	41.05		ug/L		82	10 - 150

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-708738/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 709019
Prep Batch: 708738

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,6-Dinitro-2-methylphenol	100	87.41		ug/L		87	10 - 150
4-Bromophenyl phenyl ether	50.0	41.88		ug/L		84	50 - 126
4-Chloro-3-methylphenol	50.0	37.31		ug/L		75	14 - 150
4-Chloroaniline	50.0	30.52		ug/L		61	10 - 150
4-Chlorophenyl phenyl ether	50.0	34.18		ug/L		68	51 - 125
4-Nitroaniline	50.0	45.28		ug/L		91	10 - 144
4-Nitrophenol	100	75.18		ug/L		75	10 - 150
Acenaphthene	50.0	37.63		ug/L		75	44 - 122
Acenaphthylene	50.0	38.89		ug/L		78	42 - 125
Acetophenone	50.0	44.44		ug/L		89	54 - 131
Anthracene	50.0	41.28		ug/L		83	51 - 136
Atrazine	50.0	42.26		ug/L		85	10 - 150
Benzaldehyde	50.0	43.98		ug/L		88	10 - 150
Benzo[a]anthracene	50.0	39.26		ug/L		79	50 - 138
Benzo[a]pyrene	50.0	40.18		ug/L		80	53 - 134
Benzo[b]fluoranthene	50.0	36.91		ug/L		74	50 - 134
Benzo[g,h,i]perylene	50.0	38.63		ug/L		77	42 - 138
Benzo[k]fluoranthene	50.0	38.26		ug/L		77	55 - 136
bis (2-chloroisopropyl) ether	50.0	41.33		ug/L		83	10 - 150
Bis(2-chloroethoxy)methane	50.0	39.63		ug/L		79	60 - 123
Bis(2-chloroethyl)ether	50.0	43.44		ug/L		87	45 - 127
Bis(2-ethylhexyl) phthalate	50.0	36.77		ug/L		74	10 - 147
Butyl benzyl phthalate	50.0	44.99		ug/L		90	36 - 137
Caprolactam	50.0	43.83		ug/L		88	50 - 150
Carbazole	50.0	37.28		ug/L		75	59 - 128
Chrysene	50.0	37.20		ug/L		74	53 - 141
Dibenz(a,h)anthracene	50.0	39.07		ug/L		78	41 - 139
Dibenzofuran	50.0	38.83		ug/L		78	55 - 125
Diethyl phthalate	50.0	41.27		ug/L		83	61 - 130
Dimethyl phthalate	50.0	38.24		ug/L		76	55 - 139
Di-n-butyl phthalate	50.0	38.19		ug/L		76	50 - 150
Di-n-octyl phthalate	50.0	38.07		ug/L		76	10 - 150
Fluoranthene	50.0	39.89		ug/L		80	49 - 141
Fluorene	50.0	43.39		ug/L		87	41 - 136
Hexachlorobenzene	50.0	38.08		ug/L		76	53 - 126
Hexachlorobutadiene	50.0	16.80		ug/L		34	10 - 117
Hexachlorocyclopentadiene	50.0	34.61		ug/L		69	10 - 150
Hexachloroethane	50.0	21.22		ug/L		42	10 - 112
Indeno[1,2,3-cd]pyrene	50.0	38.37		ug/L		77	30 - 150
Isophorone	50.0	45.83		ug/L		92	51 - 125
Naphthalene	50.0	34.90		ug/L		70	31 - 122
Nitrobenzene	50.0	48.54		ug/L		97	57 - 138
N-Nitrosodi-n-propylamine	50.0	47.79		ug/L		96	53 - 134
N-Nitrosodiphenylamine	49.6	40.91		ug/L		82	62 - 132
Pentachlorophenol	100	85.50		ug/L		86	16 - 150
Phenanthrene	50.0	38.52		ug/L		77	50 - 133
Phenol	50.0	41.49		ug/L		83	10 - 150
Pyrene	50.0	38.99		ug/L		78	46 - 149

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-708738/2-A
Matrix: Water
Analysis Batch: 709019

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 708738

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*80*		*10 - 150*
2-Fluorobiphenyl (Surr)	*77*		*15 - 150*
2-Fluorophenol (Surr)	*79*		*10 - 150*
Nitrobenzene-d5 (Surr)	*96*		*50 - 150*
Phenol-d5 (Surr)	*82*		*10 - 150*
Terphenyl-d14 (Surr)	*69*		*43 - 147*

Lab Sample ID: LCS 400-708738/3-A LCSD
Matrix: Water
Analysis Batch: 709019

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 708738

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl			50.0	35.00		ug/L		70	47 - 124	3	40
2,4,5-Trichlorophenol			50.0	48.14		ug/L		96	10 - 150	6	40
2,4,6-Trichlorophenol			50.0	48.54		ug/L		97	50 - 150	3	40
2,4-Dichlorophenol			50.0	38.78		ug/L		78	11 - 150	1	40
2,4-Dimethylphenol			50.0	28.91		ug/L		58	5 - 150	1	40
2,4-Dinitrophenol			100	85.10		ug/L		85	10 - 150	5	40
2,4-Dinitrotoluene			50.0	48.82		ug/L		98	46 - 137	3	40
2,6-Dinitrotoluene			50.0	42.60		ug/L		85	35 - 150	3	40
2-Chloronaphthalene			50.0	36.28		ug/L		73	44 - 122	2	40
2-Chlorophenol			50.0	46.14		ug/L		92	10 - 150	3	40
2-Methylnaphthalene			50.0	33.30		ug/L		67	31 - 115	2	40
2-Methylphenol			50.0	29.74		ug/L		59	42 - 120	3	40
2-Nitroaniline			50.0	51.81		ug/L		104	10 - 150	3	40
2-Nitrophenol			50.0	45.83		ug/L		92	21 - 150	1	40
3 & 4 Methylphenol			50.0	54.07		ug/L		108	10 - 150	5	40
3,3'-Dichlorobenzidine			66.7	55.08		ug/L		83	10 - 150	7	40
3-Nitroaniline			50.0	41.25		ug/L		82	10 - 150	0	40
4,6-Dinitro-2-methylphenol			100	91.02		ug/L		91	10 - 150	4	40
4-Bromophenyl phenyl ether			50.0	41.89		ug/L		84	50 - 126	0	40
4-Chloro-3-methylphenol			50.0	37.43		ug/L		75	14 - 150	0	40
4-Chloroaniline			50.0	31.04		ug/L		62	10 - 150	2	40
4-Chlorophenyl phenyl ether			50.0	33.79		ug/L		68	51 - 125	1	40
4-Nitroaniline			50.0	45.44		ug/L		91	10 - 144	0	40
4-Nitrophenol			100	76.67		ug/L		77	10 - 150	2	40
Acenaphthene			50.0	37.80		ug/L		76	44 - 122	0	40
Acenaphthylene			50.0	39.64		ug/L		79	42 - 125	2	40
Acetophenone			50.0	45.39		ug/L		91	54 - 131	2	40
Anthracene			50.0	41.01		ug/L		82	51 - 136	1	40
Atrazine			50.0	42.86		ug/L		86	10 - 150	1	40
Benzaldehyde			50.0	43.88		ug/L		88	10 - 150	0	40
Benzo[a]anthracene			50.0	39.19		ug/L		78	50 - 138	0	40
Benzo[a]pyrene			50.0	39.50		ug/L		79	53 - 134	2	40
Benzo[b]fluoranthene			50.0	36.03		ug/L		72	50 - 134	2	40
Benzo[g,h,i]perylene			50.0	38.12		ug/L		76	42 - 138	1	40
Benzo[k]fluoranthene			50.0	38.40		ug/L		77	55 - 136	0	40
bis (2-chloroisopropyl) ether			50.0	42.18		ug/L		84	10 - 150	2	40

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 400-708738/3-A LCSD
Matrix: Water
Analysis Batch: 709019

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 708738

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bis(2-chloroethoxy)methane			50.0	40.27		ug/L		81	60 - 123	2	40
Bis(2-chloroethyl)ether			50.0	44.38		ug/L		89	45 - 127	2	40
Bis(2-ethylhexyl) phthalate			50.0	35.57		ug/L		71	10 - 147	3	40
Butyl benzyl phthalate			50.0	43.93		ug/L		88	36 - 137	2	40
Caprolactam			50.0	44.59		ug/L		89	50 - 150	2	40
Carbazole			50.0	38.33		ug/L		77	59 - 128	3	40
Chrysene			50.0	36.86		ug/L		74	53 - 141	1	40
Dibenz(a,h)anthracene			50.0	38.45		ug/L		77	41 - 139	2	40
Dibenzofuran			50.0	38.76		ug/L		78	55 - 125	0	40
Diethyl phthalate			50.0	40.98		ug/L		82	61 - 130	1	40
Dimethyl phthalate			50.0	36.52		ug/L		73	55 - 139	5	40
Di-n-butyl phthalate			50.0	37.64		ug/L		75	50 - 150	1	40
Di-n-octyl phthalate			50.0	37.49		ug/L		75	10 - 150	2	40
Fluoranthene			50.0	39.11		ug/L		78	49 - 141	2	40
Fluorene			50.0	43.66		ug/L		87	41 - 136	1	40
Hexachlorobenzene			50.0	37.19		ug/L		74	53 - 126	2	40
Hexachlorobutadiene			50.0	19.50		ug/L		39	10 - 117	15	40
Hexachlorocyclopentadiene			50.0	35.10		ug/L		70	10 - 150	1	40
Hexachloroethane			50.0	24.68		ug/L		49	10 - 112	15	40
Indeno[1,2,3-cd]pyrene			50.0	38.16		ug/L		76	30 - 150	1	40
Isophorone			50.0	46.81		ug/L		94	51 - 125	2	40
Naphthalene			50.0	36.14		ug/L		72	31 - 122	3	40
Nitrobenzene			50.0	49.87		ug/L		100	57 - 138	3	40
N-Nitrosodi-n-propylamine			50.0	48.94		ug/L		98	53 - 134	2	40
N-Nitrosodiphenylamine			49.6	41.85		ug/L		84	62 - 132	2	40
Pentachlorophenol			100	89.32		ug/L		89	16 - 150	4	40
Phenanthrene			50.0	38.36		ug/L		77	50 - 133	0	40
Phenol			50.0	43.59		ug/L		87	10 - 150	5	40
Pyrene			50.0	38.89		ug/L		78	46 - 149	0	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*82*		*10 - 150*
2-Fluorobiphenyl (Surr)	*76*		*15 - 150*
2-Fluorophenol (Surr)	*85*		*10 - 150*
Nitrobenzene-d5 (Surr)	*97*		*50 - 150*
Phenol-d5 (Surr)	*86*		*10 - 150*
Terphenyl-d14 (Surr)	*73*		*43 - 147*

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 400-708702/1-A
Matrix: Solid
Analysis Batch: 708848

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 708702

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.00120	0.00120	mg/Kg		05/09/25 07:00	05/12/25 19:31	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*67*		*10 - 150*	*05/09/25 07:00*	*05/12/25 19:31*	*1*

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: LCS 400-708702/2-A
Matrix: Solid
Analysis Batch: 708848

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 708702

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			0.267	0.2360		mg/Kg		89	50 - 150		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*73*		*10 - 150*

Lab Sample ID: 400-275302-1 MS
Matrix: Solid
Analysis Batch: 708848

Client Sample ID: SED-1
Prep Type: Total/NA
Prep Batch: 708702

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane	ND		0.354	0.2856		mg/Kg	☼	81	50 - 150		

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
1,4-Dioxane-d8	*60*		*10 - 150*

Lab Sample ID: 400-275302-1 MSD
Matrix: Solid
Analysis Batch: 708848

Client Sample ID: SED-1
Prep Type: Total/NA
Prep Batch: 708702

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	ND		0.350	0.3059		mg/Kg	☼	87	50 - 150	7	50

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,4-Dioxane-d8	*60*		*10 - 150*

Lab Sample ID: MB 400-708784/1-A
Matrix: Water
Analysis Batch: 709807

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 708784

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.300	0.300	ug/L		05/11/25 07:00	05/20/25 12:56	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*20*		*10 - 140*	*05/11/25 07:00*	*05/20/25 12:56*	*1*

Lab Sample ID: LCS 400-708784/2-A
Matrix: Water
Analysis Batch: 709807

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 708784

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			16.0	16.00		ug/L		100	30 - 150		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*24*		*10 - 140*

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) (Continued)

Lab Sample ID: LCSD 400-708784/3-A
Matrix: Water
Analysis Batch: 709807

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 708784

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			16.0	15.97		ug/L		100	30 - 150	0	

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,4-Dioxane-d8	*27*		*10 - 140*

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 400-708296/5
Matrix: Water
Analysis Batch: 708296

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.100	0.0630	mg/L			05/06/25 17:09	1

Lab Sample ID: LCS 400-708296/6
Matrix: Water
Analysis Batch: 708296

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N			2.26	2.101		mg/L		93	90 - 110		

Lab Sample ID: LCSD 400-708296/7
Matrix: Water
Analysis Batch: 708296

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N			2.26	2.136		mg/L		95	90 - 110	2	15

Lab Sample ID: MB 400-708298/5
Matrix: Water
Analysis Batch: 708298

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		1.00	0.390	mg/L			05/06/25 17:09	1

Lab Sample ID: LCS 400-708298/6
Matrix: Water
Analysis Batch: 708298

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			10.0	9.557		mg/L		96	90 - 110		

Lab Sample ID: LCSD 400-708298/7
Matrix: Water
Analysis Batch: 708298

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate			10.0	9.898		mg/L		99	90 - 110	4	15

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 400-708381/1-A
Matrix: Solid
Analysis Batch: 708447

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		2.00	0.658	mg/Kg			05/07/25 23:27	1

Lab Sample ID: LCS 400-708381/2-A
Matrix: Solid
Analysis Batch: 708447

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	22.6	19.36		mg/Kg		86	80 - 120

Lab Sample ID: LCSD 400-708381/3-A
Matrix: Solid
Analysis Batch: 708447

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	22.5	20.45		mg/Kg		91	80 - 120	6	15

Lab Sample ID: MB 400-708381/1-A
Matrix: Solid
Analysis Batch: 708449

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		20.0	7.28	mg/Kg			05/07/25 23:27	1

Lab Sample ID: LCS 400-708381/2-A
Matrix: Solid
Analysis Batch: 708449

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	99.8	91.54		mg/Kg		92	80 - 120

Lab Sample ID: LCSD 400-708381/3-A
Matrix: Solid
Analysis Batch: 708449

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	99.6	97.26		mg/Kg		98	80 - 120	6	15

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 705-55244/1-A ^5
Matrix: Solid
Analysis Batch: 56127

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 55244

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.250	0.00290	mg/Kg		05/16/25 09:07	05/19/25 15:01	5
Arsenic	ND		0.600	0.0535	mg/Kg		05/16/25 09:07	05/19/25 15:01	5
Chromium	ND		1.00	0.206	mg/Kg		05/16/25 09:07	05/19/25 15:01	5
Copper	0.05500	J	0.500	0.0520	mg/Kg		05/16/25 09:07	05/19/25 15:01	5
Cadmium	ND		0.500	0.0163	mg/Kg		05/16/25 09:07	05/19/25 15:01	5
Cobalt	ND		0.750	0.0283	mg/Kg		05/16/25 09:07	05/19/25 15:01	5

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 705-55244/1-A ^5
Matrix: Solid
Analysis Batch: 56127

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 55244

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		2.50	0.0142	mg/Kg		05/16/25 09:07	05/19/25 15:01	5
Beryllium	ND		0.500	0.0351	mg/Kg		05/16/25 09:07	05/19/25 15:01	5
Manganese	ND		1.00	0.0615	mg/Kg		05/16/25 09:07	05/19/25 15:01	5
Nickel	ND		1.00	0.0262	mg/Kg		05/16/25 09:07	05/19/25 15:01	5
Lead	ND		0.500	0.0590	mg/Kg		05/16/25 09:07	05/19/25 15:01	5
Antimony	ND		1.00	0.229	mg/Kg		05/16/25 09:07	05/19/25 15:01	5
Selenium	ND		2.50	0.178	mg/Kg		05/16/25 09:07	05/19/25 15:01	5
Thallium	ND		0.700	0.0422	mg/Kg		05/16/25 09:07	05/19/25 15:01	5
Vanadium	ND		1.00	0.126	mg/Kg		05/16/25 09:07	05/19/25 15:01	5
Zinc	ND		2.50	2.08	mg/Kg		05/16/25 09:07	05/19/25 15:01	5

Lab Sample ID: LCS 705-55244/2-A ^5
Matrix: Solid
Analysis Batch: 56127

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 55244

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	1.00	0.9763		mg/Kg		98	80 - 120
Arsenic	10.0	9.690		mg/Kg		97	80 - 120
Chromium	10.0	10.05		mg/Kg		101	80 - 120
Copper	10.0	9.570		mg/Kg		96	80 - 120
Cadmium	10.0	9.893		mg/Kg		99	80 - 120
Cobalt	10.0	9.931		mg/Kg		99	80 - 120
Barium	10.0	10.33		mg/Kg		103	80 - 120
Beryllium	10.0	9.345		mg/Kg		93	80 - 120
Manganese	10.0	9.784		mg/Kg		98	80 - 120
Nickel	10.0	9.922		mg/Kg		99	80 - 120
Lead	10.0	9.787		mg/Kg		98	80 - 120
Antimony	10.0	9.920		mg/Kg		99	80 - 120
Selenium	10.0	9.956		mg/Kg		100	80 - 120
Thallium	10.0	9.452		mg/Kg		95	80 - 120
Vanadium	10.0	9.836		mg/Kg		98	80 - 120
Zinc	10.0	10.33		mg/Kg		103	80 - 120

Lab Sample ID: MB 705-53479/1-A
Matrix: Water
Analysis Batch: 54072

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 53479

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.00	2.45	ug/L		05/08/25 12:30	05/09/25 17:00	1
Arsenic	ND		5.00	1.32	ug/L		05/08/25 12:30	05/09/25 17:00	1
Barium	ND		10.0	0.410	ug/L		05/08/25 12:30	05/09/25 17:00	1
Beryllium	ND		1.00	0.147	ug/L		05/08/25 12:30	05/09/25 17:00	1
Cadmium	ND		0.700	0.237	ug/L		05/08/25 12:30	05/09/25 17:00	1
Chromium	ND		5.00	3.69	ug/L		05/08/25 12:30	05/09/25 17:00	1
Cobalt	ND		5.00	0.411	ug/L		05/08/25 12:30	05/09/25 17:00	1
Copper	ND		2.00	0.642	ug/L		05/08/25 12:30	05/09/25 17:00	1
Lead	ND		1.00	0.864	ug/L		05/08/25 12:30	05/09/25 17:00	1
Manganese	ND		5.00	1.29	ug/L		05/08/25 12:30	05/09/25 17:00	1
Nickel	ND		5.00	0.422	ug/L		05/08/25 12:30	05/09/25 17:00	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 705-53479/1-A
Matrix: Water
Analysis Batch: 54072

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 53479

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		5.00	2.29	ug/L		05/08/25 12:30	05/09/25 17:00	1
Silver	ND		1.00	0.167	ug/L		05/08/25 12:30	05/09/25 17:00	1
Thallium	ND		1.00	0.190	ug/L		05/08/25 12:30	05/09/25 17:00	1
Vanadium	ND		5.00	1.22	ug/L		05/08/25 12:30	05/09/25 17:00	1
Zinc	ND		10.0	8.91	ug/L		05/08/25 12:30	05/09/25 17:00	1

Lab Sample ID: LCS 705-53479/2-A
Matrix: Water
Analysis Batch: 54072

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 53479

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	100	92.43		ug/L		92	80 - 120
Arsenic	100	89.64		ug/L		90	80 - 120
Barium	100	95.68		ug/L		96	80 - 120
Beryllium	100	84.05		ug/L		84	80 - 120
Cadmium	100	87.10		ug/L		87	80 - 120
Chromium	100	83.70		ug/L		84	80 - 120
Cobalt	100	87.13		ug/L		87	80 - 120
Copper	100	91.83		ug/L		92	80 - 120
Lead	100	101.8		ug/L		102	80 - 120
Manganese	100	83.80		ug/L		84	80 - 120
Nickel	100	88.59		ug/L		89	80 - 120
Selenium	100	84.34		ug/L		84	80 - 120
Silver	10.0	10.08		ug/L		101	80 - 120
Thallium	100	101.5		ug/L		102	80 - 120
Vanadium	100	82.63		ug/L		83	80 - 120
Zinc	100	88.79		ug/L		89	80 - 120

Lab Sample ID: 400-275302-11 MS
Matrix: Water
Analysis Batch: 54072

Client Sample ID: SW-1
Prep Type: Total Recoverable
Prep Batch: 53479

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	ND		100	89.41		ug/L		89	75 - 125
Arsenic	2.02	J	100	91.78		ug/L		90	75 - 125
Barium	38.5		100	136.2		ug/L		98	75 - 125
Beryllium	ND		100	82.35		ug/L		82	75 - 125
Cadmium	ND		100	88.03		ug/L		88	75 - 125
Chromium	ND		100	89.62		ug/L		90	75 - 125
Cobalt	ND		100	91.89		ug/L		92	75 - 125
Copper	11.3		100	106.5		ug/L		95	75 - 125
Lead	6.51		100	113.5		ug/L		107	75 - 125
Nickel	2.47	J	100	93.48		ug/L		91	75 - 125
Selenium	ND		100	84.17		ug/L		84	75 - 125
Silver	0.207	J	10.0	10.47		ug/L		103	75 - 125
Thallium	ND		100	103.2		ug/L		103	75 - 125
Zinc	30.5		100	125.4		ug/L		95	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 400-275302-11 MS
Matrix: Water
Analysis Batch: 54295

Client Sample ID: SW-1
Prep Type: Total Recoverable
Prep Batch: 53479

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	75.8		100	166.8		ug/L		91	75 - 125
Vanadium	4.26	J	100	92.53		ug/L		88	75 - 125

Lab Sample ID: 400-275302-11 MSD
Matrix: Water
Analysis Batch: 54072

Client Sample ID: SW-1
Prep Type: Total Recoverable
Prep Batch: 53479

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND		100	87.44		ug/L		87	75 - 125	2	20
Arsenic	2.02	J	100	92.62		ug/L		91	75 - 125	1	20
Barium	38.5		100	136.3		ug/L		98	75 - 125	0	20
Beryllium	ND		100	83.55		ug/L		84	75 - 125	1	20
Cadmium	ND		100	88.57		ug/L		89	75 - 125	1	20
Chromium	ND		100	87.41		ug/L		87	75 - 125	2	20
Cobalt	ND		100	91.30		ug/L		91	75 - 125	1	20
Copper	11.3		100	107.4		ug/L		96	75 - 125	1	20
Lead	6.51		100	112.1		ug/L		106	75 - 125	1	20
Nickel	2.47	J	100	94.80		ug/L		92	75 - 125	1	20
Selenium	ND		100	82.44		ug/L		82	75 - 125	2	20
Silver	0.207	J	10.0	10.34		ug/L		101	75 - 125	1	20
Thallium	ND		100	103.9		ug/L		104	75 - 125	1	20
Zinc	30.5		100	117.5		ug/L		87	75 - 125	6	20

Lab Sample ID: 400-275302-11 MSD
Matrix: Water
Analysis Batch: 54295

Client Sample ID: SW-1
Prep Type: Total Recoverable
Prep Batch: 53479

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Manganese	75.8		100	166.0		ug/L		90	75 - 125	1	20
Vanadium	4.26	J	100	92.82		ug/L		89	75 - 125	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 705-55457/1-A
Matrix: Water
Analysis Batch: 55907

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 55457

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.200	0.166	ug/L		05/19/25 07:20	05/19/25 11:57	1

Lab Sample ID: LCS 705-55457/2-A
Matrix: Water
Analysis Batch: 55907

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 55457

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	4.00	4.147		ug/L		104	80 - 120

Method: 7473 - Mercury (AAS)

Lab Sample ID: MB 705-53542/5
Matrix: Solid
Analysis Batch: 53542

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.100	0.0418	mg/Kg			05/08/25 10:02	1

Lab Sample ID: LCS 705-53542/6
Matrix: Solid
Analysis Batch: 53542

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	0.9651		mg/Kg		97	80 - 120

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MRL 400-709541/19
Matrix: Solid
Analysis Batch: 709541

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia (as N)	0.0498	0.03100	J	mg/L		62	50 - 150

Lab Sample ID: MB 400-709615/23
Matrix: Water
Analysis Batch: 709615

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N)	ND		0.0500	0.0460	mg/L			05/18/25 10:36	1

Lab Sample ID: LCS 400-709615/24
Matrix: Water
Analysis Batch: 709615

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia (as N)	2.99	3.043		mg/L		102	90 - 110

Lab Sample ID: MRL 400-709615/18
Matrix: Water
Analysis Batch: 709615

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia (as N)	0.0498	0.06200		mg/L		124	50 - 150

Lab Sample ID: 400-275302-11 MS
Matrix: Water
Analysis Batch: 709615

Client Sample ID: SW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia (as N)	0.129		0.747	0.9370		mg/L		108	90 - 110

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: 400-275302-11 MSD
Matrix: Water
Analysis Batch: 709615

Client Sample ID: SW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia (as N)	0.129		0.747	0.9360		mg/L		108	90 - 110	0	11

Lab Sample ID: MB 400-709317/1-A
Matrix: Solid
Analysis Batch: 709541

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N)	ND		0.980	0.314	mg/Kg			05/16/25 10:42	1

Lab Sample ID: LCS 400-709317/2-A
Matrix: Solid
Analysis Batch: 709541

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia (as N)	58.6	59.96		mg/Kg		102	90 - 110

Lab Sample ID: 400-275302-1 MS
Matrix: Solid
Analysis Batch: 709541

Client Sample ID: SED-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia (as N)	1.10	J	19.6	20.02		mg/Kg	☼	97	90 - 110

Lab Sample ID: 400-275302-1 MSD
Matrix: Solid
Analysis Batch: 709541

Client Sample ID: SED-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia (as N)	1.10	J	19.6	20.47		mg/Kg	☼	99	90 - 110	2	11

Lab Chronicle

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SED-1
Lab Sample ID: 400-275302-1
Date Collected: 05/05/25 16:00
Matrix: Solid
Date Received: 05/06/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			708553	05/08/25 12:18	TMP	EET PEN

Client Sample ID: SED-1
Lab Sample ID: 400-275302-1
Date Collected: 05/05/25 16:00
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 73.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.344 g	5.00 mL	709600	05/17/25 10:32	BPO	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	709576	05/17/25 14:43	BPO	EET PEN
Total/NA	Prep	3546			15.45 g	1 mL	708696	05/09/25 07:00	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	708847	05/12/25 16:19	S1B	EET PEN
Total/NA	Prep	3546			15.34 g	1 mL	708702	05/09/25 07:00	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		5	0.4 mL	0.4 mL	708848	05/12/25 20:57	VC1	EET PEN
Soluble	Leach	DI Leach			2.505 g	50 mL	708381	05/07/25 11:29	AMM	EET PEN
Soluble	Analysis	9056A		1			708447	05/08/25 00:18	AMM	EET PEN
Soluble	Leach	DI Leach			2.505 g	50 mL	708381	05/07/25 11:29	AMM	EET PEN
Soluble	Analysis	9056A		1			708449	05/08/25 00:18	AMM	EET PEN
Total/NA	Prep	3050B			1.9375 g	50 mL	55244	05/16/25 09:07	SA	EET ATL
Total/NA	Analysis	6020B		5			56127	05/19/25 18:42	IF	EET ATL
Total/NA	Analysis	7473		1			53542	05/08/25 12:34	GR	EET ATL
Soluble	Leach	DI Leach			5.05 g	100 mL	709317	05/15/25 12:35	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	709541	05/16/25 10:47	CAC	EET PEN

Client Sample ID: SED-2
Lab Sample ID: 400-275302-2
Date Collected: 05/05/25 15:30
Matrix: Solid
Date Received: 05/06/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			708553	05/08/25 12:18	TMP	EET PEN

Client Sample ID: SED-2
Lab Sample ID: 400-275302-2
Date Collected: 05/05/25 15:30
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 78.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.104 g	5.00 mL	709600	05/17/25 10:32	BPO	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	709576	05/17/25 15:04	BPO	EET PEN
Total/NA	Prep	3546			15.56 g	1 mL	708696	05/09/25 07:00	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	708847	05/12/25 16:47	S1B	EET PEN
Total/NA	Prep	3546			15.15 g	1 mL	708702	05/09/25 07:00	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		5	0.4 mL	0.4 mL	708848	05/12/25 21:19	VC1	EET PEN
Soluble	Leach	DI Leach			2.515 g	50 mL	708381	05/07/25 11:29	AMM	EET PEN
Soluble	Analysis	9056A		1			708447	05/08/25 00:27	AMM	EET PEN
Soluble	Leach	DI Leach			2.515 g	50 mL	708381	05/07/25 11:29	AMM	EET PEN
Soluble	Analysis	9056A		1			708449	05/08/25 00:27	AMM	EET PEN

Lab Chronicle

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SED-2
Lab Sample ID: 400-275302-2
Date Collected: 05/05/25 15:30
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 78.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.9529 g	50 mL	55244	05/16/25 09:07	SA	EET ATL
Total/NA	Analysis	6020B		5			56127	05/19/25 18:44	IF	EET ATL
Total/NA	Analysis	7473		1			53542	05/08/25 12:42	GR	EET ATL
Soluble	Leach	DI Leach			5.11 g	100 mL	709317	05/15/25 12:35	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	709541	05/16/25 10:55	CAC	EET PEN

Client Sample ID: SED-3
Lab Sample ID: 400-275302-3
Date Collected: 05/05/25 15:00
Matrix: Solid
Date Received: 05/06/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			708553	05/08/25 12:18	TMP	EET PEN

Client Sample ID: SED-3
Lab Sample ID: 400-275302-3
Date Collected: 05/05/25 15:00
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 69.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.387 g	5.00 mL	709600	05/17/25 10:32	BPO	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	709576	05/17/25 15:24	BPO	EET PEN
Total/NA	Prep	3546			15.52 g	1 mL	708696	05/09/25 07:00	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	708847	05/12/25 17:14	S1B	EET PEN
Total/NA	Prep	3546			15.81 g	1 mL	708702	05/09/25 07:00	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		5	0.4 mL	0.4 mL	708848	05/12/25 21:40	VC1	EET PEN
Soluble	Leach	DI Leach			2.501 g	50 mL	708381	05/07/25 11:29	AMM	EET PEN
Soluble	Analysis	9056A		1			708447	05/08/25 00:35	AMM	EET PEN
Soluble	Leach	DI Leach			2.501 g	50 mL	708381	05/07/25 11:29	AMM	EET PEN
Soluble	Analysis	9056A		1			708449	05/08/25 00:35	AMM	EET PEN
Total/NA	Prep	3050B			1.7744 g	50 mL	55244	05/16/25 09:07	SA	EET ATL
Total/NA	Analysis	6020B		5			56127	05/19/25 18:47	IF	EET ATL
Total/NA	Analysis	7473		1			53542	05/08/25 12:50	GR	EET ATL
Soluble	Leach	DI Leach			5.11 g	100 mL	709317	05/15/25 12:35	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	709541	05/16/25 10:57	CAC	EET PEN

Client Sample ID: SED-4
Lab Sample ID: 400-275302-4
Date Collected: 05/05/25 14:30
Matrix: Solid
Date Received: 05/06/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			708553	05/08/25 12:18	TMP	EET PEN

Lab Chronicle

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SED-4
Lab Sample ID: 400-275302-4
Date Collected: 05/05/25 14:30
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.221 g	5.00 mL	709600	05/17/25 10:32	BPO	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	709576	05/17/25 15:45	BPO	EET PEN
Total/NA	Prep	3546			15.03 g	1 mL	708696	05/09/25 07:00	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	708847	05/12/25 17:41	S1B	EET PEN
Total/NA	Prep	3546			15.25 g	1 mL	708702	05/09/25 07:00	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		5	0.4 mL	0.4 mL	708848	05/12/25 22:02	VC1	EET PEN
Soluble	Leach	DI Leach			2.505 g	50 mL	708381	05/07/25 11:29	AMM	EET PEN
Soluble	Analysis	9056A		1			708447	05/08/25 00:44	AMM	EET PEN
Soluble	Leach	DI Leach			2.505 g	50 mL	708381	05/07/25 11:29	AMM	EET PEN
Soluble	Analysis	9056A		1			708449	05/08/25 00:44	AMM	EET PEN
Total/NA	Prep	3050B			1.9416 g	50 mL	55244	05/16/25 09:07	SA	EET ATL
Total/NA	Analysis	6020B		5			56127	05/19/25 18:49	IF	EET ATL
Total/NA	Analysis	7473		1			53542	05/08/25 12:59	GR	EET ATL
Soluble	Leach	DI Leach			5.06 g	100 mL	709317	05/15/25 12:35	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	709541	05/16/25 11:00	CAC	EET PEN

Client Sample ID: SED-5
Lab Sample ID: 400-275302-5
Date Collected: 05/05/25 11:40
Matrix: Solid
Date Received: 05/06/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			708553	05/08/25 12:18	TMP	EET PEN

Client Sample ID: SED-5
Lab Sample ID: 400-275302-5
Date Collected: 05/05/25 11:40
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.273 g	5.00 mL	709600	05/17/25 10:32	BPO	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	709576	05/17/25 16:06	BPO	EET PEN
Total/NA	Prep	3546			15.53 g	1 mL	708696	05/09/25 07:00	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	708847	05/12/25 18:08	S1B	EET PEN
Total/NA	Prep	3546			15.04 g	1 mL	708702	05/09/25 07:00	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		5	0.4 mL	0.4 mL	708848	05/12/25 22:23	VC1	EET PEN
Soluble	Leach	DI Leach			2.501 g	50 mL	708381	05/07/25 11:29	AMM	EET PEN
Soluble	Analysis	9056A		1			708447	05/08/25 01:09	AMM	EET PEN
Soluble	Leach	DI Leach			2.501 g	50 mL	708381	05/07/25 11:29	AMM	EET PEN
Soluble	Analysis	9056A		1			708449	05/08/25 01:09	AMM	EET PEN
Total/NA	Prep	3050B			1.9622 g	50 mL	55244	05/16/25 09:07	SA	EET ATL
Total/NA	Analysis	6020B		5			56127	05/19/25 18:51	IF	EET ATL
Total/NA	Analysis	7473		1			53542	05/08/25 13:07	GR	EET ATL
Soluble	Leach	DI Leach			5.44 g	100 mL	709317	05/15/25 12:35	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	709541	05/16/25 11:03	CAC	EET PEN

Client Sample ID: SED-6
Lab Sample ID: 400-275302-6
Date Collected: 05/05/25 13:30
Matrix: Solid
Date Received: 05/06/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			708553	05/08/25 12:18	TMP	EET PEN

Client Sample ID: SED-6
Lab Sample ID: 400-275302-6
Date Collected: 05/05/25 13:30
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 66.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.854 g	5.00 mL	709600	05/17/25 10:32	BPO	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	709576	05/17/25 16:27	BPO	EET PEN
Total/NA	Prep	3546			15.84 g	1 mL	708696	05/09/25 07:00	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	708847	05/12/25 18:35	S1B	EET PEN
Total/NA	Prep	3546			15.84 g	1 mL	708696	05/09/25 07:00	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	709036	05/13/25 15:16	S1B	EET PEN
Total/NA	Prep	3546			15.05 g	1 mL	708702	05/09/25 07:00	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		5	0.4 mL	0.4 mL	708848	05/12/25 22:45	VC1	EET PEN
Soluble	Leach	DI Leach			2.503 g	50 mL	708381	05/07/25 11:29	AMM	EET PEN
Soluble	Analysis	9056A		1			708447	05/08/25 01:18	AMM	EET PEN
Soluble	Leach	DI Leach			2.503 g	50 mL	708381	05/07/25 11:29	AMM	EET PEN
Soluble	Analysis	9056A		1			708449	05/08/25 01:18	AMM	EET PEN
Total/NA	Prep	3050B			1.8704 g	50 mL	55244	05/16/25 09:07	SA	EET ATL
Total/NA	Analysis	6020B		50			56225	05/20/25 18:03	IF	EET ATL
Total/NA	Prep	3050B			1.8704 g	50 mL	55244	05/16/25 09:07	SA	EET ATL
Total/NA	Analysis	6020B		5			56127	05/19/25 18:54	IF	EET ATL
Total/NA	Analysis	7473		1			53542	05/08/25 13:15	GR	EET ATL
Soluble	Leach	DI Leach			5.28 g	100 mL	709317	05/15/25 12:35	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	709541	05/16/25 11:05	CAC	EET PEN

Client Sample ID: SED-7
Lab Sample ID: 400-275302-7
Date Collected: 05/05/25 17:30
Matrix: Solid
Date Received: 05/06/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			708553	05/08/25 12:18	TMP	EET PEN

Client Sample ID: SED-7
Lab Sample ID: 400-275302-7
Date Collected: 05/05/25 17:30
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 70.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.641 g	5.00 mL	709600	05/17/25 10:32	BPO	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	709576	05/17/25 16:48	BPO	EET PEN
Total/NA	Prep	3546			15.41 g	1 mL	708696	05/09/25 07:00	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	708847	05/12/25 19:02	S1B	EET PEN
Total/NA	Prep	3546			15.41 g	1 mL	708696	05/09/25 07:00	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	709036	05/13/25 15:38	S1B	EET PEN

Lab Chronicle

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SED-7
Lab Sample ID: 400-275302-7
Date Collected: 05/05/25 17:30
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 70.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.71 g	1 mL	708702	05/09/25 07:00	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		5	0.4 mL	0.4 mL	708848	05/12/25 23:06	VC1	EET PEN
Soluble	Leach	DI Leach			2.501 g	50 mL	708381	05/07/25 11:29	AMM	EET PEN
Soluble	Analysis	9056A		1			708447	05/08/25 01:26	AMM	EET PEN
Soluble	Leach	DI Leach			2.501 g	50 mL	708381	05/07/25 11:29	AMM	EET PEN
Soluble	Analysis	9056A		1			708449	05/08/25 01:26	AMM	EET PEN
Total/NA	Prep	3050B			1.7535 g	50 mL	55244	05/16/25 09:07	SA	EET ATL
Total/NA	Analysis	6020B		5			56127	05/19/25 18:56	IF	EET ATL
Total/NA	Analysis	7473		1			53542	05/08/25 13:44	GR	EET ATL
Soluble	Leach	DI Leach			5.33 g	100 mL	709317	05/15/25 12:35	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	709541	05/16/25 11:08	CAC	EET PEN

Client Sample ID: SED-8
Lab Sample ID: 400-275302-8
Date Collected: 05/05/25 18:00
Matrix: Solid
Date Received: 05/06/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			708553	05/08/25 12:18	TMP	EET PEN

Client Sample ID: SED-8
Lab Sample ID: 400-275302-8
Date Collected: 05/05/25 18:00
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.767 g	5.00 mL	709600	05/17/25 10:32	BPO	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	709576	05/17/25 17:08	BPO	EET PEN
Total/NA	Prep	3546			15.35 g	1 mL	708696	05/09/25 07:00	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	708847	05/12/25 19:29	S1B	EET PEN
Total/NA	Prep	3546			15.38 g	1 mL	708702	05/09/25 07:00	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		5	0.4 mL	0.4 mL	708848	05/12/25 23:28	VC1	EET PEN
Soluble	Leach	DI Leach			2.501 g	50 mL	708381	05/07/25 11:29	AMM	EET PEN
Soluble	Analysis	9056A		1			708447	05/08/25 01:35	AMM	EET PEN
Soluble	Leach	DI Leach			2.501 g	50 mL	708381	05/07/25 11:29	AMM	EET PEN
Soluble	Analysis	9056A		1			708449	05/08/25 01:35	AMM	EET PEN
Total/NA	Prep	3050B			1.9838 g	50 mL	55244	05/16/25 09:07	SA	EET ATL
Total/NA	Analysis	6020B		5			56127	05/19/25 18:59	IF	EET ATL
Total/NA	Analysis	7473		1			53542	05/08/25 13:53	GR	EET ATL
Soluble	Leach	DI Leach			5.15 g	100 mL	709317	05/15/25 12:35	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	709541	05/16/25 11:11	CAC	EET PEN

Client Sample ID: SED-9
Lab Sample ID: 400-275302-9
Date Collected: 05/05/25 18:30
Matrix: Solid
Date Received: 05/06/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			708553	05/08/25 12:18	TMP	EET PEN

Client Sample ID: SED-9
Lab Sample ID: 400-275302-9
Date Collected: 05/05/25 18:30
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.98 g	5.00 mL	709600	05/17/25 10:32	BPO	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	709576	05/17/25 17:29	BPO	EET PEN
Total/NA	Prep	3546			15.49 g	1 mL	708696	05/09/25 07:00	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	708847	05/12/25 19:57	S1B	EET PEN
Total/NA	Prep	3546			15.49 g	1 mL	708696	05/09/25 07:00	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	709036	05/13/25 16:01	S1B	EET PEN
Total/NA	Prep	3546			15.14 g	1 mL	708702	05/09/25 07:00	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		5	0.4 mL	0.4 mL	708848	05/12/25 23:49	VC1	EET PEN
Soluble	Leach	DI Leach			2.510 g	50 mL	708381	05/07/25 11:29	AMM	EET PEN
Soluble	Analysis	9056A		1			708447	05/08/25 01:43	AMM	EET PEN
Soluble	Leach	DI Leach			2.510 g	50 mL	708381	05/07/25 11:29	AMM	EET PEN
Soluble	Analysis	9056A		1			708449	05/08/25 01:43	AMM	EET PEN
Total/NA	Prep	3050B			1.9681 g	50 mL	55244	05/16/25 09:07	SA	EET ATL
Total/NA	Analysis	6020B		5			56127	05/19/25 19:08	IF	EET ATL
Total/NA	Analysis	7473		1			53542	05/08/25 14:01	GR	EET ATL
Soluble	Leach	DI Leach			5.19 g	100 mL	709317	05/15/25 12:35	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	709541	05/16/25 11:25	CAC	EET PEN

Client Sample ID: SED-DUP-1
Lab Sample ID: 400-275302-10
Date Collected: 05/05/25 00:00
Matrix: Solid
Date Received: 05/06/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			708553	05/08/25 12:18	TMP	EET PEN

Client Sample ID: SED-DUP-1
Lab Sample ID: 400-275302-10
Date Collected: 05/05/25 00:00
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 73.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.268 g	5.00 mL	709600	05/17/25 10:32	BPO	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	709576	05/17/25 17:50	BPO	EET PEN
Total/NA	Prep	3546			15.45 g	1 mL	708696	05/09/25 07:00	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	708847	05/12/25 20:24	S1B	EET PEN
Total/NA	Prep	3546			15.45 g	1 mL	708696	05/09/25 07:00	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	709036	05/13/25 16:24	S1B	EET PEN
Total/NA	Prep	3546			15.24 g	1 mL	708702	05/09/25 07:00	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		5	0.4 mL	0.4 mL	708848	05/13/25 00:11	VC1	EET PEN

Client Sample ID: SED-DUP-1
Lab Sample ID: 400-275302-10

Date Collected: 05/05/25 00:00
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 73.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2.503 g	50 mL	708381	05/07/25 11:29	AMM	EET PEN
Soluble	Analysis	9056A		1			708447	05/08/25 01:52	AMM	EET PEN
Soluble	Leach	DI Leach			2.503 g	50 mL	708381	05/07/25 11:29	AMM	EET PEN
Soluble	Analysis	9056A		1			708449	05/08/25 01:52	AMM	EET PEN
Total/NA	Prep	3050B			1.9451 g	50 mL	55244	05/16/25 09:07	SA	EET ATL
Total/NA	Analysis	6020B		50			56225	05/20/25 18:05	IF	EET ATL
Total/NA	Prep	3050B			1.9451 g	50 mL	55244	05/16/25 09:07	SA	EET ATL
Total/NA	Analysis	6020B		5			56127	05/19/25 19:11	IF	EET ATL
Total/NA	Analysis	7473		1			53542	05/08/25 14:09	GR	EET ATL
Soluble	Leach	DI Leach			5.21 g	100 mL	709317	05/15/25 12:35	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	709541	05/16/25 11:27	CAC	EET PEN

Client Sample ID: SW-1
Lab Sample ID: 400-275302-11

Date Collected: 05/05/25 16:00
Matrix: Water
Date Received: 05/06/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	709445	05/16/25 16:41	CAR	EET PEN
Total/NA	Prep	3511			30.8 mL	2 mL	708738	05/10/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			709096	05/13/25 21:19	JAW	EET PEN
Total/NA	Prep	3510C			261.2 mL	1 mL	708784	05/11/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	709807	05/20/25 14:02	VC1	EET PEN
Total/NA	Analysis	9056A		1			708296	05/06/25 18:08	AMM	EET PEN
Total/NA	Analysis	9056A		1			708298	05/06/25 18:08	AMM	EET PEN
Total Recoverable	Prep	3005A			50 mL	50 mL	53479	05/08/25 12:30	BR	EET ATL
Total Recoverable	Analysis	6020B		1			54072	05/09/25 17:05	IF	EET ATL
Total Recoverable	Prep	3005A			50 mL	50 mL	53479	05/08/25 12:30	BR	EET ATL
Total Recoverable	Analysis	6020B		1			54295	05/12/25 17:03	IF	EET ATL
Total/NA	Prep	7470A			5 mL	5 mL	55457	05/19/25 07:20	HM	EET ATL
Total/NA	Analysis	7470A		1			55907	05/19/25 12:16	HM	EET ATL
Total/NA	Analysis	350.1		1	10 mL	10 mL	709615	05/18/25 10:40	CAC	EET PEN

Client Sample ID: SW-2
Lab Sample ID: 400-275302-12

Date Collected: 05/05/25 15:30
Matrix: Water
Date Received: 05/06/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	709445	05/16/25 17:09	CAR	EET PEN
Total/NA	Prep	3511			30.5 mL	2 mL	708738	05/10/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			709096	05/13/25 21:50	JAW	EET PEN
Total/NA	Prep	3510C			251 mL	1 mL	708784	05/11/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	709807	05/20/25 14:24	VC1	EET PEN
Total/NA	Analysis	9056A		1			708296	05/06/25 18:17	AMM	EET PEN
Total/NA	Analysis	9056A		1			708298	05/06/25 18:17	AMM	EET PEN

Lab Chronicle

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SW-2
Lab Sample ID: 400-275302-12
Date Collected: 05/05/25 15:30
Matrix: Water
Date Received: 05/06/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	53479	05/08/25 12:30	BR	EET ATL
Total Recoverable	Analysis	6020B		1			54072	05/09/25 17:17	IF	EET ATL
Total Recoverable	Prep	3005A			50 mL	50 mL	53479	05/08/25 12:30	BR	EET ATL
Total Recoverable	Analysis	6020B		1			54295	05/12/25 17:13	IF	EET ATL
Total/NA	Prep	7470A			5 mL	5 mL	55457	05/19/25 07:20	HM	EET ATL
Total/NA	Analysis	7470A		1			55907	05/19/25 12:28	HM	EET ATL
Total/NA	Analysis	350.1		1	10 mL	10 mL	709615	05/18/25 10:59	CAC	EET PEN

Client Sample ID: SW-3
Lab Sample ID: 400-275302-13
Date Collected: 05/05/25 15:00
Matrix: Water
Date Received: 05/06/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	709445	05/16/25 17:36	CAR	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	708738	05/10/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			709096	05/13/25 22:21	JAW	EET PEN
Total/NA	Prep	3510C			258.4 mL	1 mL	708784	05/11/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	709807	05/20/25 14:46	VC1	EET PEN
Total/NA	Analysis	9056A		1			708296	05/06/25 18:25	AMM	EET PEN
Total/NA	Analysis	9056A		1			708298	05/06/25 18:25	AMM	EET PEN
Total Recoverable	Prep	3005A			50 mL	50 mL	53479	05/08/25 12:30	BR	EET ATL
Total Recoverable	Analysis	6020B		1			54072	05/09/25 17:20	IF	EET ATL
Total Recoverable	Prep	3005A			50 mL	50 mL	53479	05/08/25 12:30	BR	EET ATL
Total Recoverable	Analysis	6020B		1			54295	05/12/25 17:15	IF	EET ATL
Total/NA	Prep	7470A			5 mL	5 mL	55457	05/19/25 07:20	HM	EET ATL
Total/NA	Analysis	7470A		1			55907	05/19/25 12:32	HM	EET ATL
Total/NA	Analysis	350.1		1	10 mL	10 mL	709615	05/18/25 11:01	CAC	EET PEN

Client Sample ID: SW-4
Lab Sample ID: 400-275302-14
Date Collected: 05/05/25 14:30
Matrix: Water
Date Received: 05/06/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	709445	05/16/25 18:03	CAR	EET PEN
Total/NA	Prep	3511			31.3 mL	2 mL	708738	05/10/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			709096	05/13/25 22:52	JAW	EET PEN
Total/NA	Prep	3510C			249.4 mL	1 mL	708784	05/11/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	709807	05/20/25 15:08	VC1	EET PEN
Total/NA	Analysis	9056A		1			708296	05/06/25 18:51	AMM	EET PEN
Total/NA	Analysis	9056A		1			708298	05/06/25 18:51	AMM	EET PEN
Total Recoverable	Prep	3005A			50 mL	50 mL	53479	05/08/25 12:30	BR	EET ATL
Total Recoverable	Analysis	6020B		1			54072	05/09/25 17:22	IF	EET ATL
Total Recoverable	Prep	3005A			50 mL	50 mL	53479	05/08/25 12:30	BR	EET ATL
Total Recoverable	Analysis	6020B		1			54295	05/12/25 17:17	IF	EET ATL

Lab Chronicle

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SW-4
Lab Sample ID: 400-275302-14
Date Collected: 05/05/25 14:30
Matrix: Water
Date Received: 05/06/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			5 mL	5 mL	55457	05/19/25 07:20	HM	EET ATL
Total/NA	Analysis	7470A		1			55907	05/19/25 12:36	HM	EET ATL
Total/NA	Analysis	350.1		1	10 mL	10 mL	709615	05/18/25 11:15	CAC	EET PEN

Client Sample ID: SW-5
Lab Sample ID: 400-275302-15
Date Collected: 05/05/25 11:40
Matrix: Water
Date Received: 05/06/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	709445	05/16/25 18:31	CAR	EET PEN
Total/NA	Prep	3511			31 mL	2 mL	708738	05/10/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			709096	05/13/25 23:23	JAW	EET PEN
Total/NA	Prep	3510C			229.2 mL	1 mL	708784	05/11/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	709807	05/20/25 15:30	VC1	EET PEN
Total/NA	Analysis	9056A		1			708296	05/06/25 19:00	AMM	EET PEN
Total/NA	Analysis	9056A		1			708298	05/06/25 19:00	AMM	EET PEN
Total Recoverable	Prep	3005A			50 mL	50 mL	53479	05/08/25 12:30	BR	EET ATL
Total Recoverable	Analysis	6020B		1			54072	05/09/25 18:40	IF	EET ATL
Total Recoverable	Prep	3005A			50 mL	50 mL	53479	05/08/25 12:30	BR	EET ATL
Total Recoverable	Analysis	6020B		1			54295	05/12/25 17:35	IF	EET ATL
Total/NA	Prep	7470A			5 mL	5 mL	55457	05/19/25 07:20	HM	EET ATL
Total/NA	Analysis	7470A		1			55907	05/19/25 12:40	HM	EET ATL
Total/NA	Analysis	350.1		1	10 mL	10 mL	709615	05/18/25 11:18	CAC	EET PEN

Client Sample ID: SW-6
Lab Sample ID: 400-275302-16
Date Collected: 05/05/25 13:30
Matrix: Water
Date Received: 05/06/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	709445	05/16/25 18:58	CAR	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	708738	05/10/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			709096	05/13/25 23:54	JAW	EET PEN
Total/NA	Prep	3510C			264.4 mL	1 mL	708784	05/11/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	709807	05/20/25 15:52	VC1	EET PEN
Total/NA	Analysis	9056A		1			708296	05/06/25 19:08	AMM	EET PEN
Total/NA	Analysis	9056A		1			708298	05/06/25 19:08	AMM	EET PEN
Total Recoverable	Prep	3005A			50 mL	50 mL	53479	05/08/25 12:30	BR	EET ATL
Total Recoverable	Analysis	6020B		1			54072	05/09/25 18:42	IF	EET ATL
Total Recoverable	Prep	3005A			50 mL	50 mL	53479	05/08/25 12:30	BR	EET ATL
Total Recoverable	Analysis	6020B		1			54295	05/12/25 17:37	IF	EET ATL
Total/NA	Prep	7470A			5 mL	5 mL	55457	05/19/25 07:20	HM	EET ATL
Total/NA	Analysis	7470A		1			55907	05/19/25 12:44	HM	EET ATL
Total/NA	Analysis	350.1		1	10 mL	10 mL	709615	05/18/25 11:20	CAC	EET PEN

Client Sample ID: SW-7
Lab Sample ID: 400-275302-17

Date Collected: 05/05/25 17:30
Matrix: Water
Date Received: 05/06/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	709445	05/16/25 19:25	CAR	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	708738	05/10/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			709096	05/14/25 00:25	JAW	EET PEN
Total/NA	Prep	3510C			262.2 mL	1 mL	708784	05/11/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	709807	05/20/25 16:14	VC1	EET PEN
Total/NA	Analysis	9056A		1			708296	05/06/25 19:17	AMM	EET PEN
Total/NA	Analysis	9056A		1			708298	05/06/25 19:17	AMM	EET PEN
Total Recoverable	Prep	3005A			50 mL	50 mL	53479	05/08/25 12:30	BR	EET ATL
Total Recoverable	Analysis	6020B		1			54072	05/09/25 18:45	IF	EET ATL
Total/NA	Prep	7470A			5 mL	5 mL	55457	05/19/25 07:20	HM	EET ATL
Total/NA	Analysis	7470A		1			55907	05/19/25 12:48	HM	EET ATL
Total/NA	Analysis	350.1		1	10 mL	10 mL	709615	05/18/25 11:23	CAC	EET PEN

Client Sample ID: SW-8
Lab Sample ID: 400-275302-18

Date Collected: 05/05/25 18:00
Matrix: Water
Date Received: 05/06/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	709445	05/16/25 19:53	CAR	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	708738	05/10/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			709096	05/14/25 00:56	JAW	EET PEN
Total/NA	Prep	3510C			253 mL	1 mL	708784	05/11/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	709807	05/20/25 16:37	VC1	EET PEN
Total/NA	Analysis	9056A		1			708296	05/06/25 19:25	AMM	EET PEN
Total/NA	Analysis	9056A		1			708298	05/06/25 19:25	AMM	EET PEN
Total Recoverable	Prep	3005A			50 mL	50 mL	53479	05/08/25 12:30	BR	EET ATL
Total Recoverable	Analysis	6020B		1			54072	05/09/25 18:47	IF	EET ATL
Total Recoverable	Prep	3005A			50 mL	50 mL	53479	05/08/25 12:30	BR	EET ATL
Total Recoverable	Analysis	6020B		1			54295	05/12/25 17:39	IF	EET ATL
Total/NA	Prep	7470A			5 mL	5 mL	55457	05/19/25 07:20	HM	EET ATL
Total/NA	Analysis	7470A		1			55907	05/19/25 12:52	HM	EET ATL
Total/NA	Analysis	350.1		1	10 mL	10 mL	709615	05/18/25 11:26	CAC	EET PEN

Client Sample ID: SW-9
Lab Sample ID: 400-275302-19

Date Collected: 05/05/25 18:30
Matrix: Water
Date Received: 05/06/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	709445	05/16/25 20:20	CAR	EET PEN
Total/NA	Prep	3511			29.7 mL	2 mL	708738	05/10/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			709096	05/14/25 01:27	JAW	EET PEN
Total/NA	Prep	3510C			261.8 mL	1 mL	708784	05/11/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	709807	05/20/25 16:59	VC1	EET PEN
Total/NA	Analysis	9056A		1			708296	05/06/25 19:34	AMM	EET PEN

Lab Chronicle

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SW-9
Lab Sample ID: 400-275302-19
Date Collected: 05/05/25 18:30
Matrix: Water
Date Received: 05/06/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			708298	05/06/25 19:34	AMM	EET PEN
Total Recoverable	Prep	3005A			50 mL	50 mL	53479	05/08/25 12:30	BR	EET ATL
Total Recoverable	Analysis	6020B		1			54072	05/09/25 18:50	IF	EET ATL
Total Recoverable	Prep	3005A			50 mL	50 mL	53479	05/08/25 12:30	BR	EET ATL
Total Recoverable	Analysis	6020B		1			54295	05/12/25 17:42	IF	EET ATL
Total/NA	Prep	7470A			5 mL	5 mL	55457	05/19/25 07:20	HM	EET ATL
Total/NA	Analysis	7470A		1			55907	05/19/25 12:56	HM	EET ATL
Total/NA	Analysis	350.1		1	10 mL	10 mL	709615	05/18/25 11:28	CAC	EET PEN

Client Sample ID: SW-DUP-1
Lab Sample ID: 400-275302-20
Date Collected: 05/05/25 00:00
Matrix: Water
Date Received: 05/06/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	709445	05/16/25 20:47	CAR	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	708738	05/10/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			709096	05/14/25 01:57	JAW	EET PEN
Total/NA	Prep	3510C			265.6 mL	1 mL	708784	05/11/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	709807	05/20/25 17:21	VC1	EET PEN
Total/NA	Analysis	9056A		1			708296	05/06/25 19:42	AMM	EET PEN
Total/NA	Analysis	9056A		1			708298	05/06/25 19:42	AMM	EET PEN
Total Recoverable	Prep	3005A			50 mL	50 mL	53479	05/08/25 12:30	BR	EET ATL
Total Recoverable	Analysis	6020B		1			54072	05/09/25 18:52	IF	EET ATL
Total/NA	Prep	7470A			5 mL	5 mL	55457	05/19/25 07:20	HM	EET ATL
Total/NA	Analysis	7470A		1			55907	05/19/25 13:00	HM	EET ATL
Total/NA	Analysis	350.1		1	10 mL	10 mL	709615	05/18/25 11:31	CAC	EET PEN

Client Sample ID: TRIP BLANK
Lab Sample ID: 400-275302-21
Date Collected: 05/05/25 00:00
Matrix: Water
Date Received: 05/06/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	709661	05/19/25 13:30	CAR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-708296/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			708296	05/06/25 17:09	AMM	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-708298/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			708298	05/06/25 17:09	AMM	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-708381/1-A
Date Collected: N/A
Matrix: Solid
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2.506 g	50 mL	708381	05/07/25 11:29	AMM	EET PEN
Soluble	Analysis	9056A		1			708447	05/07/25 23:27	AMM	EET PEN
Soluble	Leach	DI Leach			2.506 g	50 mL	708381	05/07/25 11:29	AMM	EET PEN
Soluble	Analysis	9056A		1			708449	05/07/25 23:27	AMM	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-708696/1-A
Date Collected: N/A
Matrix: Solid
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.00 g	1 mL	708696	05/09/25 07:00	AP	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	708889	05/12/25 23:48	S1B	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-708702/1-A
Date Collected: N/A
Matrix: Solid
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.00 g	1 mL	708702	05/09/25 07:00	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	708848	05/12/25 19:31	VC1	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-708738/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	708738	05/10/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	709019	05/13/25 21:28	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-708784/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			250 mL	1 mL	708784	05/11/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	709807	05/20/25 12:56	VC1	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-709317/1-A
Date Collected: N/A
Matrix: Solid
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.10 g	100 mL	709317	05/15/25 12:35	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	709541	05/16/25 10:42	CAC	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-709445/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	709445	05/16/25 11:13	CAR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-709600/2-A
Date Collected: N/A
Matrix: Solid
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5.00 g	709600	05/17/25 10:32	BPO	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	709576	05/17/25 11:36	BPO	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-709615/23
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	10 mL	10 mL	709615	05/18/25 10:36	CAC	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-709661/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	709661	05/19/25 12:35	CAR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 705-53479/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	53479	05/08/25 12:30	BR	EET ATL
Total Recoverable	Analysis	6020B		1			54072	05/09/25 17:00	IF	EET ATL

Client Sample ID: Method Blank
Lab Sample ID: MB 705-53542/5
Date Collected: N/A
Matrix: Solid
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7473		1			53542	05/08/25 10:02	GR	EET ATL

Lab Chronicle

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: Method Blank
Lab Sample ID: MB 705-55244/1-A ^5
Date Collected: N/A
Matrix: Solid
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1 g	50 mL	55244	05/16/25 09:07	SA	EET ATL
Total/NA	Analysis	6020B		5			56127	05/19/25 15:01	IF	EET ATL

Client Sample ID: Method Blank
Lab Sample ID: MB 705-55457/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			5 mL	5 mL	55457	05/19/25 07:20	HM	EET ATL
Total/NA	Analysis	7470A		1			55907	05/19/25 11:57	HM	EET ATL

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-708296/6
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			708296	05/06/25 17:17	AMM	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-708298/6
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			708298	05/06/25 17:17	AMM	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-708381/2-A
Date Collected: N/A
Matrix: Solid
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2.505 g	50 mL	708381	05/07/25 11:29	AMM	EET PEN
Soluble	Analysis	9056A		1			708447	05/07/25 23:36	AMM	EET PEN
Soluble	Leach	DI Leach			2.505 g	50 mL	708381	05/07/25 11:29	AMM	EET PEN
Soluble	Analysis	9056A		1			708449	05/07/25 23:36	AMM	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-708696/2-A
Date Collected: N/A
Matrix: Solid
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.00 g	1 mL	708696	05/09/25 07:00	AP	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	708889	05/13/25 00:14	S1B	EET PEN

Lab Chronicle

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-708702/2-A
Date Collected: N/A
Matrix: Solid
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.00 g	1 mL	708702	05/09/25 07:00	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	708848	05/12/25 19:52	VC1	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-708738/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	708738	05/10/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	709019	05/13/25 21:59	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCS 400-708738/3-A LCSD
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	708738	05/10/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	709019	05/13/25 22:30	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-708784/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			250 mL	1 mL	708784	05/11/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	709807	05/20/25 13:18	VC1	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-709317/2-A
Date Collected: N/A
Matrix: Solid
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.10 g	100 mL	709317	05/15/25 12:35	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	709541	05/16/25 10:44	CAC	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-709445/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	709445	05/16/25 09:39	CAR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-709600/1-A
Date Collected: N/A
Matrix: Solid
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5.00 g	709600	05/17/25 10:32	BPO	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	709576	05/17/25 10:32	BPO	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-709615/24
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	10 mL	10 mL	709615	05/18/25 10:38	CAC	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-709661/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	709661	05/19/25 11:19	CAR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 705-53479/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	53479	05/08/25 12:30	BR	EET ATL
Total Recoverable	Analysis	6020B		1			54072	05/09/25 17:03	IF	EET ATL

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 705-53542/6
Date Collected: N/A
Matrix: Solid
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7473		1			53542	05/08/25 10:30	GR	EET ATL

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 705-55244/2-A ^5
Date Collected: N/A
Matrix: Solid
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1 g	50 mL	55244	05/16/25 09:07	SA	EET ATL
Total/NA	Analysis	6020B		5			56127	05/19/25 15:04	IF	EET ATL

Lab Chronicle

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 705-55457/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			5 mL	5 mL	55457	05/19/25 07:20	HM	EET ATL
Total/NA	Analysis	7470A		1			55907	05/19/25 12:00	HM	EET ATL

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-708296/7
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			708296	05/06/25 17:26	AMM	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-708298/7
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			708298	05/06/25 17:26	AMM	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-708381/3-A
Date Collected: N/A
Matrix: Solid
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2.509 g	50 mL	708381	05/07/25 11:29	AMM	EET PEN
Soluble	Analysis	9056A		1			708447	05/07/25 23:44	AMM	EET PEN
Soluble	Leach	DI Leach			2.509 g	50 mL	708381	05/07/25 11:29	AMM	EET PEN
Soluble	Analysis	9056A		1			708449	05/07/25 23:44	AMM	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-708784/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			250 mL	1 mL	708784	05/11/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E SIM ID		1	0.4 mL	0.4 mL	709807	05/20/25 13:40	VC1	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: MRL 400-709541/19
Date Collected: N/A
Matrix: Solid
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	100 mL	100 mL	709541	05/16/25 10:28	CAC	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: MRL 400-709615/18
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	100 mL	100 mL	709615	05/18/25 10:22	CAC	EET PEN

Client Sample ID: SED-1
Lab Sample ID: 400-275302-1 MS
Date Collected: 05/05/25 16:00
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 73.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.28 g	1 mL	708696	05/09/25 07:00	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	708847	05/12/25 15:25	S1B	EET PEN
Total/NA	Prep	3546			15.30 g	1 mL	708702	05/09/25 07:00	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		5	0.4 mL	0.4 mL	708848	05/12/25 20:14	VC1	EET PEN
Soluble	Leach	DI Leach			5.17 g	100 mL	709317	05/15/25 12:35	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	709541	05/16/25 10:49	CAC	EET PEN

Client Sample ID: SED-1
Lab Sample ID: 400-275302-1 MSD
Date Collected: 05/05/25 16:00
Matrix: Solid
Date Received: 05/06/25 09:35
Percent Solids: 73.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.33 g	1 mL	708696	05/09/25 07:00	AP	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	708847	05/12/25 15:52	S1B	EET PEN
Total/NA	Prep	3546			15.46 g	1 mL	708702	05/09/25 07:00	AP	EET PEN
Total/NA	Analysis	8270E SIM ID		5	0.4 mL	0.4 mL	708848	05/12/25 20:35	VC1	EET PEN
Soluble	Leach	DI Leach			5.17 g	100 mL	709317	05/15/25 12:35	CAC	EET PEN
Soluble	Analysis	350.1		1	10 mL	10 mL	709541	05/16/25 10:52	CAC	EET PEN

Client Sample ID: SW-1
Lab Sample ID: 400-275302-11 MS
Date Collected: 05/05/25 16:00
Matrix: Water
Date Received: 05/06/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	53479	05/08/25 12:30	BR	EET ATL
Total Recoverable	Analysis	6020B		1			54072	05/09/25 17:07	IF	EET ATL
Total Recoverable	Prep	3005A			50 mL	50 mL	53479	05/08/25 12:30	BR	EET ATL
Total Recoverable	Analysis	6020B		1			54295	05/12/25 17:05	IF	EET ATL
Total/NA	Analysis	350.1		1	10 mL	10 mL	709615	05/18/25 10:43	CAC	EET PEN

Client Sample ID: SW-1
Lab Sample ID: 400-275302-11 MSD
Date Collected: 05/05/25 16:00
Matrix: Water
Date Received: 05/06/25 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	53479	05/08/25 12:30	BR	EET ATL
Total Recoverable	Analysis	6020B		1			54072	05/09/25 17:10	IF	EET ATL
Total Recoverable	Prep	3005A			50 mL	50 mL	53479	05/08/25 12:30	BR	EET ATL
Total Recoverable	Analysis	6020B		1			54295	05/12/25 17:08	IF	EET ATL

Lab Chronicle

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Client Sample ID: SW-1
Date Collected: 05/05/25 16:00
Date Received: 05/06/25 09:35

Lab Sample ID: 400-275302-11 MSD
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	10 mL	10 mL	709615	05/18/25 10:46	CAC	EET PEN

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Method Summary

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET PEN
8270E SIM ID	Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)	SW846	EET PEN
9056A	Anions, Ion Chromatography	SW846	EET PEN
6020B	Metals (ICP/MS)	SW846	EET ATL
7470A	Mercury (CVAA)	SW846	EET ATL
7473	Mercury (AAS)	SW846	EET ATL
350.1	Nitrogen, Ammonia	EPA	EET PEN
Moisture	Percent Moisture	EPA	EET PEN
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET ATL
3050B	Preparation, Metals	SW846	EET ATL
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
3546	Microwave Extraction	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN
5035	Closed System Purge and Trap	SW846	EET PEN
7470A	Preparation, Mercury	SW846	EET ATL
DI Leach	Deionized Water Leaching Procedure	ASTM	EET PEN

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Accreditation/Certification Summary

Client: S&ME Inc
Job ID: 400-275302-1
Project/Site: City of Durham - East End Park-SED

Laboratory: Eurofins Pensacola

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
North Carolina (WW/SW)	State	314	12-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
350.1		Solid	Ammonia (as N)
8260D		Water	1,2,4-Trimethylbenzene
8260D		Water	Hexane
8260D		Water	n-Heptane
8260D	5035	Solid	Hexane
8260D	5035	Solid	n-Heptane
8270E	3511	Water	3 & 4 Methylphenol
8270E	3511	Water	4-Nitrophenol
9056A		Solid	Nitrate as N
9056A		Solid	Sulfate
9056A		Water	Nitrate as N
9056A		Water	Sulfate
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Atlanta

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
North Carolina (WW/SW)	State	562	12-31-25

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone (850) 474-1001 Phone (850) 478-2671

Chain of Custody Record

400-275302 Chain of Custody

eurofins | Environment Testing

Client Information	Sampler: James Waters	Lab PM: Bechtold, Chad	COC No:
Client Contact: Jerry Paul	Phone: 919-872-2660	E-Mail: Chad.Bechtold@et.eurofinsus.com	Page: 1 of 2 (surface water other Chain)
Company: S&ME Inc	PWSID:		Job #:
Address: 3201 Spring Forest Road	Due Date Requested:	Analysis Requested	Preservation Codes: N - None; FJ - MeOH/NaHSO4
City: Raleigh	TAT Requested (days):		
State, Zip: NC, 27616	Compliance Project: Δ Yes Δ No		
Phone: 919-872-2660(Tel) 919-876-3958(Fax)	PO #: 23050630 Phase Y		
Email: jpaul@smeinc.com	WO #:		Other:
Project Name: City of Durham - East End Park-SED	Project #: 68026680		
Site:	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	350.1 - Ammonia as N - Sed	8270E_SIM_ID_D5 - 1,4-Dioxane - Sed	8270E - SVOC - Sed	9056A_ORGFM_48H - Nitrate as N - Sed	9056A_ORGFM_28D - Sulfate - Sed	8260D - VOC NC 02L List - Sed	6020B - PRLF 16 Metals; 7471B - Hg - Sed	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	N	N	N	N	N	FJ	N	X	
SED-1	5/5/25	1600	G	S		✓	✓	✓	✓	✓	✓	✓		
SED-2		1530												
SED-3		1500												
SED-4		1430												
SED-5		1140												
SED-6		1330												
SED-7		1730												
SED-8		1800												
SED-9		1830												
SED-DUP-1		—												
Trip Blank W/ ~~Surface~~ Surface water														

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company		Date/Time:	Company
Relinquished by: James A. Waters	5/5/25 2000	S&ME	Received by:	5/6/25 935	EETS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR11 4.0C, 0.5°C, 0.7°C, 4.6°C IR10

Ver: 05/06/2024

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone (850) 474-1001 Phone (850) 478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: James Waters	Lab PM: Bechtold, Chad	Carrier Tracking No(s):	COC No:
Client Contact: Jerry Paul	Phone: 919-872-2660	E-Mail: Chad.Bechtold@et.eurofinsus.com	State of Origin: NC	Page: 2 of 2 (SED on other Chain)
Company: S&ME Inc	PWSID:			Job #:
Address: 3201 Spring Forest Road	Due Date Requested:			
City: Raleigh	TAT Requested (days):			
State, Zip: NC, 27616	Compliance Project: Δ Yes Δ No			
Phone: 919-872-2660(Tel) 919-876-3958(Fax)	PO #: 23050630 Phase Y			
Email: jpaul@smeinc.com	WO #:			
Project Name: City of Durham - East End Park-SED	Project #: 68026680			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
FJ - MeOH/NaHSO4
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	350.1 - Ammonia as N - Sed	8270E_SIM_ID_D5 - 1,4-Dioxane - Sed	8270E - SVOC - Sed	9056A_ORGFM_48H - Nitrate as N - Sed	9056A_ORGFM_28D - Sulfate - Sed	8260D - VOC NC 02L List - Sed	6020B - PRLF 16 Metals; 7471B - Hg - Sed	Total Number of containers	Special Instructions/Note:
			Preservation Code:			N	N	N	N	N	FJ	N		
SW-1	5/5/25	1600	G	W		✓	✓	✓	✓	✓	✓	✓		
SW-2		1530												
SW-3		1500												
SW-4		1430												
SW-5		1140												
SW-6		1330												
SW-7		1730												
SW-8		1800												
SW-9		1830												
SW-DUP-1		—				✓								
Trip Blank											✓			

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	James G. Waters	5/5/25 2000	S&ME	✓	5/6/25 935	EETS
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 05/06/2024

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Bechtold, Chad	Carrier Tracking No(s): N/A	COC No: 400-375163.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Chad.Bechtold@et.eurofinsus.com	State of Origin: North Carolina	Page: Page 1 of 3
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): State - North Carolina (WW/SW)		Job #: 400-275302-1
Address: 3080 Presidential Dr, ,	Due Date Requested: 5/19/2025			
City: Atlanta	TAT Requested (days): N/A			
State, Zip: GA, 30340				
Phone: 770-457-8177(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: City of Durham - East End Park-SED	Project #: 68026680			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B_LL/3050B PRLF 16 Metals, Including prep	7473/ Mercury	6020B/3005A PRLF 16 Metals, Including prep	7470A/7470A_Prep Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
SED-1 (400-275302-1)	5/5/25	16:00 Eastern	G	Solid			X	X			1	
SED-2 (400-275302-2)	5/5/25	15:30 Eastern	G	Solid			X	X			1	
SED-3 (400-275302-3)	5/5/25	15:00 Eastern	G	Solid			X	X			1	
SED-4 (400-275302-4)	5/5/25	14:30 Eastern	G	Solid			X	X			1	
SED-5 (400-275302-5)	5/5/25	11:40 Eastern	G	Solid			X	X			1	
SED-6 (400-275302-6)	5/5/25	13:30 Eastern	G	Solid			X	X			1	
SED-7 (400-275302-7)	5/5/25	17:30 Eastern	G	Solid			X	X			1	
SED-8 (400-275302-8)	5/5/25	18:00 Eastern	G	Solid			X	X			1	
SED-9 (400-275302-9)	5/5/25	18:30 Eastern	G	Solid			X	X			1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	5/6/25 MW	ETS	[signature]	5/7/25 10:01	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 17.4° # 2665

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Bechtold, Chad	Carrier Tracking No(s): N/A	COC No: 400-375163.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Chad.Bechtold@et.eurofinsus.com	State of Origin: North Carolina	Page: Page 2 of 3
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): State - North Carolina (WW/SW)		Job #: 400-275302-1
Address: 3080 Presidential Dr, ,	Due Date Requested: 5/19/2025			Preservation Codes: -
City: Atlanta	TAT Requested (days): N/A			
State, Zip: GA, 30340				
Phone: 770-457-8177(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: City of Durham - East End Park-SED	Project #: 68026680			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B_LL/3050B PRLF 16 Metals, Including prep	7473/ Mercury	6020B/3005A PRLF 16 Metals, Including prep	7470A/7470A_Prep Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
SED-DUP-1 (400-275302-10)	5/5/25	Eastern	G	Solid			X	X			1	
SW-1 (400-275302-11)	5/5/25	16:00 Eastern	G	Water					X	X	1	
SW-2 (400-275302-12)	5/5/25	15:30 Eastern	G	Water					X	X	1	
SW-3 (400-275302-13)	5/5/25	15:00 Eastern	G	Water					X	X	1	
SW-4 (400-275302-14)	5/5/25	14:30 Eastern	G	Water					X	X	1	
SW-5 (400-275302-15)	5/5/25	11:40 Eastern	G	Water					X	X	1	
SW-6 (400-275302-16)	5/5/25	13:30 Eastern	G	Water					X	X	1	
SW-7 (400-275302-17)	5/5/25	17:30 Eastern	G	Water					X	X	1	
SW-8 (400-275302-18)	5/5/25	18:00 Eastern	G	Water					X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	5/6/25 1740	EES	Nivelda	5/7/25 10:01	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 17.4° # 2885

3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Bechtold, Chad	Carrier Tracking No(s): N/A	COC No: 400-375163.3
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Chad.Bechtold@et.eurofinsus.com	State of Origin: North Carolina	Page: Page 3 of 3
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): State - North Carolina (WW/SW)		Job #: 400-275302-1
Address: 3080 Presidential Dr, ,	Due Date Requested: 5/19/2025			Preservation Codes: -
City: Atlanta	TAT Requested (days): N/A			
State, Zip: GA, 30340				
Phone: 770-457-8177(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: City of Durham - East End Park-SED	Project #: 68026680			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B_LL/3050B PRLF 16 Metals, Including prep	7473/ Mercury	6020B/3005A PRLF 16 Metals, Including prep	7470A/7470A_Prep Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
SW-9 (400-275302-19)	5/5/25	18:30 Eastern	G	Water					X	X	1	
SW-DUP-1 (400-275302-20)	5/5/25	Eastern	G	Water					X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	5/6/25	DW EEP	NIV Hues	5/7/25 10:01	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 17.4° # 2665

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 400-275302-1

Login Number: 275302
List Number: 1
Creator: Perez, Trina M

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.0°C IR-11, 0.5°C, 0.7°C, 4.6°C IR-10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	Refer to Job Narrative for details.
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: S&ME Inc

Job Number: 400-275302-1

Login Number: 275302
List Number: 2
Creator: Kashala, Nivelle Niva

List Source: Eurofins Atlanta
List Creation: 05/07/25 11:49 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendix V– NCDEQ Risk Calculator Package

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	LFGP-1 Risk Assessment
Submittal Date:	9/2/2025
Prepared By:	Clay Faircloth
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2D**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-1 Risk Assessment

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Note: Chemicals highlighted in orange are non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

Exposure Point Concentration (ug/m^3)	Notes:	CAS Number	Chemical	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
20		71-43-2	Benzene			ug/m^3	LFGP-1									
25		115-07-1	Propylene			ug/m^3	LFGP-1									
48	J	127-18-4	Tetrachloroethylene			ug/m^3	LFGP-1									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000821

Exposure Unit ID: LFGP-1 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	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	4.0E-07	7.6E-03	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	3.1E-08	6.0E-04	NO
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

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

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, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-1 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
71-43-2	Benzene	20	0.6	3.6E-01	6.3E+00	**1.7E-06**	1.9E-02
115-07-1	Propylene	25	0.75	-	6.3E+02		2.4E-04
127-18-4	Tetrachloroethylene	48	1.44	1.1E+01	8.3E+00	1.3E-07	3.5E-02
					Cumulative:	1.8E-06	5.4E-02

DEQ Risk Calculator - Vapor Intrusion - Non-Residential Worker Soil Gas to Indoor Air **Output Form 3E**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-1 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
71-43-2	Benzene	20	0.2	1.6E+00	2.6E+01	1.3E-07	1.5E-03
115-07-1	Propylene	25	0.25	-	2.6E+03		1.9E-05
127-18-4	Tetrachloroethylene	48	0.48	4.7E+01	3.5E+01	1.0E-08	2.7E-03
					Cumulative:	1.4E-07	4.3E-03

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	LFGP-2 Risk Assessment
Submittal Date:	9/2/2025
Prepared By:	Clay Faircloth
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2D**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-2 Risk Assessment

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Note: Chemicals highlighted in orange are non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

Exposure Point Concentration (ug/m^3)	Notes:	CAS Number	Chemical	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
25		71-43-2	Benzene			ug/m^3	LFGP-2									
53		75-15-0	Carbon Disulfide			ug/m^3	LFGP-2									
32	J	110-82-7	Cyclohexane			ug/m^3	LFGP-2									
96		142-82-5	Heptane, N-			ug/m^3	LFGP-2									
480		110-54-3	Hexane, N-			ug/m^3	LFGP-2									
810		115-07-1	Propylene			ug/m^3	LFGP-2									
840		127-18-4	Tetrachloroethylene			ug/m^3	LFGP-2									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-2 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	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	4.4E-06	6.6E-01	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	3.4E-07	5.3E-02	NO
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

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

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, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-2 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
71-43-2	Benzene	25	0.75	3.6E-01	6.3E+00	**2.1E-06**	2.4E-02
75-15-0	Carbon Disulfide	53	1.59	-	1.5E+02		2.2E-03
110-82-7	Cyclohexane	32	0.96	-	1.3E+03		1.5E-04
142-82-5	Heptane, N-	96	2.88	-	8.3E+01		6.9E-03
110-54-3	Hexane, N-	480	14.4	-	1.5E+02		2.0E-02
115-07-1	Propylene	810	24.3	-	6.3E+02		7.8E-03
127-18-4	Tetrachloroethylene	840	25.2	1.1E+01	8.3E+00	**2.3E-06**	**6.0E-01**
					Cumulative:	4.4E-06	6.6E-01

DEQ Risk Calculator - Vapor Intrusion - Non-Residential Worker Soil Gas to Indoor Air **Output Form 3E**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-2 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
71-43-2	Benzene	25	0.25	1.6E+00	2.6E+01	1.6E-07	1.9E-03
75-15-0	Carbon Disulfide	53	0.53	-	6.1E+02		1.7E-04
110-82-7	Cyclohexane	32	0.32	-	5.3E+03		1.2E-05
142-82-5	Heptane, N-	96	0.96	-	3.5E+02		5.5E-04
110-54-3	Hexane, N-	480	4.8	-	6.1E+02		1.6E-03
115-07-1	Propylene	810	8.1	-	2.6E+03		6.2E-04
127-18-4	Tetrachloroethylene	840	8.4	4.7E+01	3.5E+01	1.8E-07	4.8E-02
					Cumulative:	3.4E-07	5.3E-02

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	LFGP-3 Risk Assessment
Submittal Date:	9/2/2025
Prepared By:	Clay Faircloth
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2D**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-3 Risk Assessment

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Note: Chemicals highlighted in orange are non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

Exposure Point Concentration (ug/m^3)	Notes:	CAS Number	Chemical	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
64		75-15-0	Carbon Disulfide			ug/m^3	LFGP-3									
33		78-93-3	Methyl Ethyl Ketone (2-Butanone)			ug/m^3	LFGP-3									
48	J	108-10-1	Methyl Isobutyl Ketone (4-methyl-2-pentanone)			ug/m^3	LFGP-3									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-3 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	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	0.0E+00	3.3E-03	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	0.0E+00	2.6E-04	NO
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

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

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, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-3 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
75-15-0	Carbon Disulfide	64	1.92	-	1.5E+02		2.6E-03
78-93-3	Methyl Ethyl Ketone (2-Butanone)	33	0.99	-	1.0E+03		1.9E-04
108-10-1	Methyl Isobutyl Ketone (4-methyl-2-pentanone)	48	1.44	-	6.3E+02		4.6E-04
					Cumulative:	0.0E+00	3.3E-03

DEQ Risk Calculator - Vapor Intrusion - Non-Residential Worker Soil Gas to Indoor Air **Output Form 3E**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-3 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
75-15-0	Carbon Disulfide	64	0.64	-	6.1E+02		2.1E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	33	0.33	-	4.4E+03		1.5E-05
108-10-1	Methyl Isobutyl Ketone (4-methyl-2-pentanone)	48	0.48	-	2.6E+03		3.7E-05
					Cumulative:	0.0E+00	2.6E-04

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	LFGP-4 Risk Assessment
Submittal Date:	9/2/2025
Prepared By:	Clay Faircloth
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2D**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-4 Risk Assessment

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Note: Chemicals highlighted in orange are non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

Exposure Point Concentration (ug/m^3)	Notes:	CAS Number	Chemical	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
6.1		75-15-0	Carbon Disulfide			ug/m^3	LFGP-4									
4.9	J	110-82-7	Cyclohexane			ug/m^3	LFGP-4									
7.3		141-78-6	Ethyl Acetate			ug/m^3	LFGP-4									
2.3	J	109-99-9	~Tetrahydrofuran			ug/m^3	LFGP-4									
34		110-54-3	Hexane, N-			ug/m^3	LFGP-4									
3.3	J	78-93-3	Methyl Ethyl Ketone (2-Butanone)			ug/m^3	LFGP-4									
21	J	108-10-1	Methyl Isobutyl Ketone (4-methyl-2-pentanone)			ug/m^3	LFGP-4									
140		75-09-2	Methylene Chloride			ug/m^3	LFGP-4									
12		115-07-1	Propylene			ug/m^3	LFGP-4									
82		127-18-4	Tetrachloroethylene			ug/m^3	LFGP-4									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-4 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	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	2.7E-07	7.1E-02	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	1.9E-08	5.6E-03	NO
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

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

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, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-4 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
75-15-0	Carbon Disulfide	6.1	0.183	-	1.5E+02		2.5E-04
110-82-7	Cyclohexane	4.9	0.147	-	1.3E+03		2.3E-05
141-78-6	Ethyl Acetate	7.3	0.219	-	1.5E+01		3.0E-03
109-99-9	~Tetrahydrofuran	2.3	0.069	-	4.2E+02		3.3E-05
110-54-3	Hexane, N-	34	1.02	-	1.5E+02		1.4E-03
78-93-3	Methyl Ethyl Ketone (2-Butanone)	3.3	0.099	-	1.0E+03		1.9E-05
108-10-1	Methyl Isobutyl Ketone (4-methyl-2-pentanone)	21	0.63	-	6.3E+02		2.0E-04
75-09-2	Methylene Chloride	140	4.2	1.0E+02	1.3E+02	4.1E-08	6.7E-03
115-07-1	Propylene	12	0.36	-	6.3E+02		1.2E-04
127-18-4	Tetrachloroethylene	82	2.46	1.1E+01	8.3E+00	2.3E-07	5.9E-02
					Cumulative:	2.7E-07	7.1E-02

DEQ Risk Calculator - Vapor Intrusion - Non-Residential Worker Soil Gas to Indoor Air **Output Form 3E**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-4 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
75-15-0	Carbon Disulfide	6.1	0.061	-	6.1E+02		2.0E-05
110-82-7	Cyclohexane	4.9	0.049	-	5.3E+03		1.9E-06
141-78-6	Ethyl Acetate	7.3	0.073	-	6.1E+01		2.4E-04
109-99-9	~Tetrahydrofuran	2.3	0.023	-	1.8E+03		2.6E-06
110-54-3	Hexane, N-	34	0.34	-	6.1E+02		1.1E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	3.3	0.033	-	4.4E+03		1.5E-06
108-10-1	Methyl Isobutyl Ketone (4-methyl-2-pentanone)	21	0.21	-	2.6E+03		1.6E-05
75-09-2	Methylene Chloride	140	1.4	1.2E+03	5.3E+02	1.1E-09	5.3E-04
115-07-1	Propylene	12	0.12	-	2.6E+03		9.1E-06
127-18-4	Tetrachloroethylene	82	0.82	4.7E+01	3.5E+01	1.7E-08	4.7E-03
					Cumulative:	1.9E-08	5.6E-03

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	LFGP-5 Risk Assessment
Submittal Date:	9/2/2025
Prepared By:	Clay Faircloth
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2D**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-5 Risk Assessment

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Note: Chemicals highlighted in orange are non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

Exposure Point Concentration (ug/m^3)	Notes:	CAS Number	Chemical	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
20		71-43-2	Benzene			ug/m^3	LFGP-5									
24		75-15-0	Carbon Disulfide			ug/m^3	LFGP-5									
220		110-82-7	Cyclohexane			ug/m^3	LFGP-5									
63		142-82-5	Heptane, N-			ug/m^3	LFGP-5									
160		110-54-3	Hexane, N-			ug/m^3	LFGP-5									
41	J	108-10-1	Methyl Isobutyl Ketone (4-methyl-2-pentanone)			ug/m^3	LFGP-5									
110		115-07-1	Propylene			ug/m^3	LFGP-5									
22	J	127-18-4	Tetrachloroethylene			ug/m^3	LFGP-5									
95		108-88-3	Toluene			ug/m^3	LFGP-5									
15	J	95-47-6	Xylene, o-			ug/m^3	LFGP-5									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-5 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	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	1.7E-06	5.4E-02	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	1.3E-07	4.3E-03	NO
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

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

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, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-5 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
71-43-2	Benzene	20	0.6	3.6E-01	6.3E+00	**1.7E-06**	1.9E-02
75-15-0	Carbon Disulfide	24	0.72	-	1.5E+02		9.9E-04
110-82-7	Cyclohexane	220	6.6	-	1.3E+03		1.1E-03
142-82-5	Heptane, N-	63	1.89	-	8.3E+01		4.5E-03
110-54-3	Hexane, N-	160	4.8	-	1.5E+02		6.6E-03
108-10-1	Methyl Isobutyl Ketone (4-methyl-2-pentanone)	41	1.23	-	6.3E+02		3.9E-04
115-07-1	Propylene	110	3.3	-	6.3E+02		1.1E-03
127-18-4	Tetrachloroethylene	22	0.66	1.1E+01	8.3E+00	6.1E-08	1.6E-02
108-88-3	Toluene	95	2.85	-	1.0E+03		5.5E-04
95-47-6	Xylene, o-	15	0.45	-	2.1E+01		4.3E-03
					Cumulative:	1.7E-06	5.4E-02

DEQ Risk Calculator - Vapor Intrusion - Non-Residential Worker Soil Gas to Indoor Air **Output Form 3E**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-5 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
71-43-2	Benzene	20	0.2	1.6E+00	2.6E+01	1.3E-07	1.5E-03
75-15-0	Carbon Disulfide	24	0.24	-	6.1E+02		7.8E-05
110-82-7	Cyclohexane	220	2.2	-	5.3E+03		8.4E-05
142-82-5	Heptane, N-	63	0.63	-	3.5E+02		3.6E-04
110-54-3	Hexane, N-	160	1.6	-	6.1E+02		5.2E-04
108-10-1	Methyl Isobutyl Ketone (4-methyl-2-pentanone)	41	0.41	-	2.6E+03		3.1E-05
115-07-1	Propylene	110	1.1	-	2.6E+03		8.4E-05
127-18-4	Tetrachloroethylene	22	0.22	4.7E+01	3.5E+01	4.7E-09	1.3E-03
108-88-3	Toluene	95	0.95	-	4.4E+03		4.3E-05
95-47-6	Xylene, o-	15	0.15	-	8.8E+01		3.4E-04
					Cumulative:	1.3E-07	4.3E-03

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	LFGP-6 Risk Assessment
Submittal Date:	9/2/2025
Prepared By:	Clay Faircloth
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2D**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-6 Risk Assessment

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Note: Chemicals highlighted in orange are non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

Exposure Point Concentration (ug/m^3)	Notes:	CAS Number	Chemical	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
12		71-43-2	Benzene			ug/m^3	LFGP-6									
4.1	J	110-82-7	Cyclohexane			ug/m^3	LFGP-6									
2.2	J	109-99-9	~Tetrahydrofuran			ug/m^3	LFGP-6									
4.4	J	110-54-3	Hexane, N-			ug/m^3	LFGP-6									
5.6		78-93-3	Methyl Ethyl Ketone (2-Butanone)			ug/m^3	LFGP-6									
47		108-10-1	Methyl Isobutyl Ketone (4-methyl-2-pentanone)			ug/m^3	LFGP-6									
4.5		115-07-1	Propylene			ug/m^3	LFGP-6									
3.7	J	108-88-3	Toluene			ug/m^3	LFGP-6									
86		76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-			ug/m^3	LFGP-6									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-6 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	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	1.0E-06	1.3E-02	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	7.6E-08	1.0E-03	NO
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

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

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, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-6 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
71-43-2	Benzene	12	0.36	3.6E-01	6.3E+00	**1.0E-06**	1.2E-02
110-82-7	Cyclohexane	4.1	0.123	-	1.3E+03		2.0E-05
109-99-9	~Tetrahydrofuran	2.2	0.066	-	4.2E+02		3.2E-05
110-54-3	Hexane, N-	4.4	0.132	-	1.5E+02		1.8E-04
78-93-3	Methyl Ethyl Ketone (2-Butanone)	5.6	0.168	-	1.0E+03		3.2E-05
108-10-1	Methyl Isobutyl Ketone (4-methyl-2-pentanone)	47	1.41	-	6.3E+02		4.5E-04
115-07-1	Propylene	4.5	0.135	-	6.3E+02		4.3E-05
108-88-3	Toluene	3.7	0.111	-	1.0E+03		2.1E-05
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	86	2.58	-	1.0E+03		4.9E-04
					Cumulative:	1.0E-06	1.3E-02

DEQ Risk Calculator - Vapor Intrusion - Non-Residential Worker Soil Gas to Indoor Air **Output Form 3E**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-6 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
71-43-2	Benzene	12	0.12	1.6E+00	2.6E+01	7.6E-08	9.1E-04
110-82-7	Cyclohexane	4.1	0.041	-	5.3E+03		1.6E-06
109-99-9	~Tetrahydrofuran	2.2	0.022	-	1.8E+03		2.5E-06
110-54-3	Hexane, N-	4.4	0.044	-	6.1E+02		1.4E-05
78-93-3	Methyl Ethyl Ketone (2-Butanone)	5.6	0.056	-	4.4E+03		2.6E-06
108-10-1	Methyl Isobutyl Ketone (4-methyl-2-pentanone)	47	0.47	-	2.6E+03		3.6E-05
115-07-1	Propylene	4.5	0.045	-	2.6E+03		3.4E-06
108-88-3	Toluene	3.7	0.037	-	4.4E+03		1.7E-06
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	86	0.86	-	4.4E+03		3.9E-05
					Cumulative:	7.6E-08	1.0E-03

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	LFGP-7 Risk Assessment
Submittal Date:	9/2/2025
Prepared By:	Clay Faircloth
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2D**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-7 Risk Assessment

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Note: Chemicals highlighted in orange are non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

Exposure Point Concentration (ug/m^3)	Notes:	CAS Number	Chemical	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
120		110-82-7	Cyclohexane			ug/m^3	LFGP-7									
230		115-07-1	Propylene			ug/m^3	LFGP-7									
57	J	108-88-3	Toluene			ug/m^3	LFGP-7									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-7 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	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	0.0E+00	3.1E-03	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	0.0E+00	2.5E-04	NO
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

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

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, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-7 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
110-82-7	Cyclohexane	120	3.6	-	1.3E+03		5.8E-04
115-07-1	Propylene	230	6.9	-	6.3E+02		2.2E-03
108-88-3	Toluene	57	1.71	-	1.0E+03		3.3E-04
					Cumulative:	0.0E+00	3.1E-03

DEQ Risk Calculator - Vapor Intrusion - Non-Residential Worker Soil Gas to Indoor Air **Output Form 3E**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-7 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
110-82-7	Cyclohexane	120	1.2	-	5.3E+03		4.6E-05
115-07-1	Propylene	230	2.3	-	2.6E+03		1.8E-04
108-88-3	Toluene	57	0.57	-	4.4E+03		2.6E-05
					Cumulative:	0.0E+00	2.5E-04

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	LFGP-8 Risk Assessment
Submittal Date:	9/10/2025
Prepared By:	Clay Faircloth
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2D**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-8 Risk Assessment

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Note: Chemicals highlighted in orange are non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

Exposure Point Concentration (ug/m^3)	Notes:	CAS Number	Chemical	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
33		7783-06-4	Hydrogen Sulfide			ug/m^3	LFGP-8									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-8 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	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	0.0E+00	4.7E-01	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	0.0E+00	3.8E-02	NO
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

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

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, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-8 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
7783-06-4	Hydrogen Sulfide	33	0.99	-	4.2E-01		**4.7E-01**
					Cumulative:	0.0E+00	4.7E-01

DEQ Risk Calculator - Vapor Intrusion - Non-Residential Worker Soil Gas to Indoor Air **Output Form 3E**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-8 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
7783-06-4	Hydrogen Sulfide	33	0.33	-	1.8E+00		3.8E-02
					Cumulative:	0.0E+00	3.8E-02

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	LFGP-10 Risk Assessment
Submittal Date:	9/10/2025
Prepared By:	Clay Faircloth
Reviewed By:	Tom Raymond

Exposure Point Concentrations **Input Form 2D**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-10 Risk Assessment

Soil Gas Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

Note: Chemicals highlighted in orange are non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

Exposure Point Concentration (ug/m^3)	Notes:	CAS Number	Chemical	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	J	78-93-3	Methyl Ethyl Ketone (2-Butanone)			ug/m^3	LFGP-10									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-10 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	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	0.0E+00	1.1E-04	NO
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	0.0E+00	8.7E-06	NO
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

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

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, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

DEQ Risk Calculator - Vapor Intrusion - Resident Soil Gas to Indoor Air **Output Form 3B**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-10 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
78-93-3	Methyl Ethyl Ketone (2-Butanone)	19	0.57	-	1.0E+03		1.1E-04
					Cumulative:	0.0E+00	1.1E-04

DEQ Risk Calculator - Vapor Intrusion - Non-Residential Worker Soil Gas to Indoor Air **Output Form 3E**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: LFGP-10 Risk Assessment

Carcinogenic risk and hazard quotient cells highlighted in orange are associated with non-volatile chemicals. Since these chemicals do not pose a vapor intrusion risk, no risk values are calculated for these chemicals.

All concentrations are in ug/m^3

CAS #	Chemical Name:	Soil Gas Concentration (ug/m^3)	Calculated Indoor Air Concentration (ug/m^3)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
78-93-3	Methyl Ethyl Ketone (2-Butanone)	19	0.19	-	4.4E+03		8.7E-06
					Cumulative:	0.0E+00	8.7E-06

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, Durham County, NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SW-1 Risk Assessment
Submittal Date:	9/19/2025
Prepared By:	Jonathan Olanin
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-1 Risk Assessment

Surface Water Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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 (ug/L)	Notes:	CAS Number	Chemical	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
10.4	J	67-64-1	Acetone			ug/L	SW-1									
129		7664-41-7	Ammonia			ug/L	SW-1									
2.02	J	7440-38-2	Arsenic, Inorganic			ug/L	SW-1									
38.5		7440-39-3	Barium			ug/L	SW-1									
11.3		7440-50-8	Copper			ug/L	SW-1									
6.51		7439-92-1	~Lead and Compounds			ug/L	SW-1									
75.8		7439-96-5	Manganese (Non-diet)			ug/L	SW-1									
2.47	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-1									
509		14797-55-8	Nitrate (measured as nitrogen)			ug/L	SW-1									
0.207	J	7440-22-4	Silver			ug/L	SW-1									
4.26	J	7440-62-2	Vanadium and Compounds			ug/L	SW-1									
30.5		7440-66-6	Zinc and Compounds			ug/L	SW-1									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-1 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	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*	1.8E-06	7.2E-02	NO

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, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Surface Water **Output Form 2G**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-1 Risk Assessment

Receptor Type:

CAS #	Chemical Name:	Ingestion Concentration (ug/L)	Dermal Concentration (ug/L)	Ingestion Carcinogenic Risk	Dermal Contact Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Contact Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	10.4	10.4				4.6E-05	1.5E-06	4.7E-05
7664-41-7	Ammonia	129	129						
7440-38-2	Arsenic, Inorganic	2.02	2.02	**1.6E-06**	1.6E-07	**1.8E-06**	2.7E-02	1.4E-03	2.8E-02
7440-39-3	Barium	38.5	38.5				7.6E-04	5.8E-04	1.3E-03
7440-50-8	Copper	11.3	11.3				1.1E-03	5.9E-05	1.2E-03
7439-92-1	~Lead and Compounds	6.51	6.51						
7439-96-5	Manganese (Non-diet)	75.8	75.8				1.2E-02	1.7E-02	2.9E-02
7440-02-0	Nickel Soluble Salts	2.47	2.47				4.9E-04	1.3E-04	6.2E-04
14797-55-8	Nitrate (measured as nitrogen)	509	509				1.3E-03	6.7E-05	1.3E-03
7440-22-4	Silver	0.207	0.207				1.6E-04	1.3E-04	2.9E-04
7440-62-2	Vanadium and Compounds	4.26	4.26				3.3E-03	6.8E-03	1.0E-02
7440-66-6	Zinc and Compounds	30.5	30.5				4.0E-04	1.3E-05	4.1E-04
					Cumulative:	1.8E-06			7.2E-02

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, Durham County, NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SW-2 Risk Assessment
Submittal Date:	9/19/2025
Prepared By:	Jonathan Olanin
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-2 Risk Assessment

Surface Water Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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 (ug/L)	Notes:	CAS Number	Chemical	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
10.9	J	67-64-1	Acetone			ug/L	SW-2									
164		7664-41-7	Ammonia			ug/L	SW-2									
1.48	J	7440-38-2	Arsenic, Inorganic			ug/L	SW-2									
36.2		7440-39-3	Barium			ug/L	SW-2									
2.94	J	105-60-2	Caprolactam			ug/L	SW-2									
11.2		7440-50-8	Copper			ug/L	SW-2									
6.61		7439-92-1	~Lead and Compounds			ug/L	SW-2									
73		7439-96-5	Manganese (Non-diet)			ug/L	SW-2									
2.23	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-2									
399		14797-55-8	Nitrate (measured as nitrogen)			ug/L	SW-2									
3.81	J	7440-62-2	Vanadium and Compounds			ug/L	SW-2									
33.5		7440-66-6	Zinc and Compounds			ug/L	SW-2									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-2 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	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*	1.3E-06	6.2E-02	NO

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, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Surface Water **Output Form 2G**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-2 Risk Assessment

Receptor Type:

CAS #	Chemical Name:	Ingestion Concentration (ug/L)	Dermal Concentration (ug/L)	Ingestion Carcinogenic Risk	Dermal Contact Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Contact Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	10.9	10.9				4.8E-05	1.6E-06	4.9E-05
7664-41-7	Ammonia	164	164						
7440-38-2	Arsenic, Inorganic	1.48	1.48	**1.2E-06**	1.2E-07	**1.3E-06**	1.9E-02	1.0E-03	2.0E-02
7440-39-3	Barium	36.2	36.2				7.1E-04	5.4E-04	1.3E-03
105-60-2	Caprolactam	2.94	2.94				2.3E-05	1.8E-06	2.5E-05
7440-50-8	Copper	11.2	11.2				1.1E-03	5.9E-05	1.2E-03
7439-92-1	~Lead and Compounds	6.61	6.61						
7439-96-5	Manganese (Non-diet)	73	73				1.2E-02	1.6E-02	2.8E-02
7440-02-0	Nickel Soluble Salts	2.23	2.23				4.4E-04	1.2E-04	5.6E-04
14797-55-8	Nitrate (measured as nitrogen)	399	399				9.8E-04	5.2E-05	1.0E-03
7440-62-2	Vanadium and Compounds	3.81	3.81				3.0E-03	6.1E-03	9.1E-03
7440-66-6	Zinc and Compounds	33.5	33.5				4.4E-04	1.4E-05	4.5E-04
					Cumulative:	1.3E-06			6.2E-02

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, Durham County, NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SW-3 Risk Assessment
Submittal Date:	9/19/2025
Prepared By:	Jonathan Olanin
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-3 Risk Assessment

Surface Water Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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 (ug/L)	Notes:	CAS Number	Chemical	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
12.9	J	67-64-1	Acetone			ug/L	SW-3									
176		7664-41-7	Ammonia			ug/L	SW-3									
33.9		7440-39-3	Barium			ug/L	SW-3									
0.709	J	7440-48-4	Cobalt			ug/L	SW-3									
11.7		7440-50-8	Copper			ug/L	SW-3									
8.04		7439-92-1	~Lead and Compounds			ug/L	SW-3									
78.5		7439-96-5	Manganese (Non-diet)			ug/L	SW-3									
2.83	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-3									
341		14797-55-8	Nitrate (measured as nitrogen)			ug/L	SW-3									
4.74	J	7440-62-2	Vanadium and Compounds			ug/L	SW-3									
35.4		7440-66-6	Zinc and Compounds			ug/L	SW-3									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-3 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	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*	0.0E+00	5.5E-02	NO

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, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Surface Water **Output Form 2G**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-3 Risk Assessment

Receptor Type:

CAS #	Chemical Name:	Ingestion Concentration (ug/L)	Dermal Concentration (ug/L)	Ingestion Carcinogenic Risk	Dermal Contact Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Contact Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	12.9	12.9				5.7E-05	1.9E-06	5.8E-05
7664-41-7	Ammonia	176	176						
7440-39-3	Barium	33.9	33.9				6.7E-04	5.1E-04	1.2E-03
7440-48-4	Cobalt	0.709	0.709				9.3E-03	2.0E-04	9.5E-03
7440-50-8	Copper	11.7	11.7				1.2E-03	6.1E-05	1.2E-03
7439-92-1	~Lead and Compounds	8.04	8.04						
7439-96-5	Manganese (Non-diet)	78.5	78.5				1.3E-02	1.7E-02	3.0E-02
7440-02-0	Nickel Soluble Salts	2.83	2.83				5.6E-04	1.5E-04	7.1E-04
14797-55-8	Nitrate (measured as nitrogen)	341	341				8.4E-04	4.5E-05	8.9E-04
7440-62-2	Vanadium and Compounds	4.74	4.74				3.7E-03	7.6E-03	1.1E-02
7440-66-6	Zinc and Compounds	35.4	35.4				4.7E-04	1.5E-05	4.8E-04
					Cumulative:	0.0E+00			5.5E-02

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, Durham County, NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SW-4 Risk Assessment
Submittal Date:	9/19/2025
Prepared By:	Jonathan Olanin
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-4 Risk Assessment

Surface Water Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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 (ug/L)	Notes:	CAS Number	Chemical	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
12.3	J	67-64-1	Acetone			ug/L	SW-4									
176		7664-41-7	Ammonia			ug/L	SW-4									
37.7		7440-39-3	Barium			ug/L	SW-4									
3.83	J	16065-83-1	Chromium(III), Insoluble Salts			ug/L	SW-4									
1.03	J	7440-48-4	Cobalt			ug/L	SW-4									
13.7		7440-50-8	Copper			ug/L	SW-4									
11.9		7439-92-1	~Lead and Compounds			ug/L	SW-4									
113		7439-96-5	Manganese (Non-diet)			ug/L	SW-4									
0.172	J	7439-97-6	~Mercury (elemental)			ug/L	SW-4									
3.97	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-4									
312		14797-55-8	Nitrate (measured as nitrogen)			ug/L	SW-4									
5.38		7440-62-2	Vanadium and Compounds			ug/L	SW-4									
42.9		7440-66-6	Zinc and Compounds			ug/L	SW-4									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-4 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	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*	0.0E+00	7.5E-02	NO

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, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Surface Water **Output Form 2G**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-4 Risk Assessment

Receptor Type:

CAS #	Chemical Name:	Ingestion Concentration (ug/L)	Dermal Concentration (ug/L)	Ingestion Carcinogenic Risk	Dermal Contact Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Contact Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	12.3	12.3				5.4E-05	1.8E-06	5.6E-05
7664-41-7	Ammonia	176	176						
7440-39-3	Barium	37.7	37.7				7.4E-04	5.6E-04	1.3E-03
16065-83-1	Chromium(III), Insoluble Salts	3.83	3.83				1.0E-05	4.1E-05	5.1E-05
7440-48-4	Cobalt	1.03	1.03				1.4E-02	2.9E-04	1.4E-02
7440-50-8	Copper	13.7	13.7				1.4E-03	7.2E-05	1.4E-03
7439-92-1	~Lead and Compounds	11.9	11.9						
7439-96-5	Manganese (Non-diet)	113	113				1.9E-02	2.5E-02	4.3E-02
7439-97-6	~Mercury (elemental)	0.172	0.172						
7440-02-0	Nickel Soluble Salts	3.97	3.97				7.8E-04	2.1E-04	9.9E-04
14797-55-8	Nitrate (measured as nitrogen)	312	312				7.7E-04	4.1E-05	8.1E-04
7440-62-2	Vanadium and Compounds	5.38	5.38				4.2E-03	8.6E-03	1.3E-02
7440-66-6	Zinc and Compounds	42.9	42.9				5.6E-04	1.8E-05	5.8E-04
					Cumulative:	0.0E+00			7.5E-02

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, Durham County, NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SW-5 Risk Assessment
Submittal Date:	9/19/2025
Prepared By:	Jonathan Olanin
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-5 Risk Assessment

Surface Water Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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 (ug/L)	Notes:	CAS Number	Chemical	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
97		7664-41-7	Ammonia			ug/L	SW-5									
1.33	J	7440-38-2	Arsenic, Inorganic			ug/L	SW-5									
67		7440-39-3	Barium			ug/L	SW-5									
0.248	J	7440-43-9	Cadmium (Diet)			ug/L	SW-5									
3.94		7440-50-8	Copper			ug/L	SW-5									
0.689	J	75-34-3	Dichloroethane, 1,1-			ug/L	SW-5									
2.07		156-59-2	Dichloroethylene, cis-1,2-			ug/L	SW-5									
1.38		7439-92-1	~Lead and Compounds			ug/L	SW-5									
199		7439-96-5	Manganese (Non-diet)			ug/L	SW-5									
0.267		7439-97-6	~Mercury (elemental)			ug/L	SW-5									
2.54	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-5									
3640		14797-55-8	Nitrate (measured as nitrogen)			ug/L	SW-5									
0.862	J	76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-			ug/L	SW-5									
1.83	J	7440-62-2	Vanadium and Compounds			ug/L	SW-5									
13		7440-66-6	Zinc and Compounds			ug/L	SW-5									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-5 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	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*	1.2E-06	1.3E-01	NO

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, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Surface Water **Output Form 2G**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-5 Risk Assessment

Receptor Type:

CAS #	Chemical Name:	Ingestion Concentration (ug/L)	Dermal Concentration (ug/L)	Ingestion Carcinogenic Risk	Dermal Contact Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Contact Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
7664-41-7	Ammonia	97	97						
7440-38-2	Arsenic, Inorganic	1.33	1.33	**1.1E-06**	1.0E-07	**1.2E-06**	1.7E-02	9.3E-04	1.8E-02
7440-39-3	Barium	67	67				1.3E-03	1.0E-03	2.3E-03
7440-43-9	Cadmium (Diet)	0.248	0.248				9.8E-03		9.8E-03
7440-50-8	Copper	3.94	3.94				3.9E-04	2.1E-05	4.1E-04
75-34-3	Dichloroethane, 1,1-	0.689	0.689	2.1E-09	1.9E-09	4.0E-09	1.4E-05	6.6E-06	2.0E-05
156-59-2	Dichloroethylene, cis-1,2-	2.07	2.07				4.1E-03	3.2E-03	7.3E-03
7439-92-1	~Lead and Compounds	1.38	1.38						
7439-96-5	Manganese (Non-diet)	199	199				3.3E-02	4.3E-02	7.6E-02
7439-97-6	~Mercury (elemental)	0.267	0.267						
7440-02-0	Nickel Soluble Salts	2.54	2.54				5.0E-04	1.3E-04	6.3E-04
14797-55-8	Nitrate (measured as nitrogen)	3640	3640				9.0E-03	4.8E-04	9.5E-03
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.862	0.862				1.1E-07	2.2E-07	3.4E-07
7440-62-2	Vanadium and Compounds	1.83	1.83				1.4E-03	2.9E-03	4.4E-03
7440-66-6	Zinc and Compounds	13	13				1.7E-04	5.4E-06	1.8E-04
					Cumulative:	1.2E-06			1.3E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, Durham County, NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SW-6 Risk Assessment
Submittal Date:	9/19/2025
Prepared By:	Jonathan Olanin
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-6 Risk Assessment

Surface Water Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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 (ug/L)	Notes:	CAS Number	Chemical	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
14.1	J	67-64-1	Acetone			ug/L	SW-DUP									
205		7664-41-7	Ammonia			ug/L	SW-DUP									
2.8	J	7440-38-2	Arsenic, Inorganic			ug/L	SW-DUP									
66.7		7440-39-3	Barium			ug/L	SW-6									
2.75	J	105-60-2	Caprolactam			ug/L	SW-6									
8.5		16065-83-1	Chromium(III), Insoluble Salts			ug/L	SW-6									
3.55	J	7440-48-4	Cobalt			ug/L	SW-6									
19.8		7440-50-8	Copper			ug/L	SW-6									
0.77	J	156-59-2	Dichloroethylene, cis-1,2-			ug/L	SW-DUP									
22.2		7439-92-1	~Lead and Compounds			ug/L	SW-6									
213		7439-96-5	Manganese (Non-diet)			ug/L	SW-6									
0.245		7439-97-6	~Mercury (elemental)			ug/L	SW-DUP									
8.55	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-6									
403		14797-55-8	Nitrate (measured as nitrogen)			ug/L	SW-6									
12	J	7440-62-2	Vanadium and Compounds			ug/L	SW-6									
69.2		7440-66-6	Zinc and Compounds			ug/L	SW-6									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-6 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	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*	2.5E-06	2.1E-01	NO

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, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Surface Water **Output Form 2G**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-6 Risk Assessment

Receptor Type:

CAS #	Chemical Name:	Ingestion Concentration (ug/L)	Dermal Concentration (ug/L)	Ingestion Carcinogenic Risk	Dermal Contact Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Contact Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	14.1	14.1				6.2E-05	2.0E-06	6.4E-05
7664-41-7	Ammonia	205	205						
7440-38-2	Arsenic, Inorganic	2.8	2.8	**2.2E-06**	2.2E-07	**2.5E-06**	3.7E-02	2.0E-03	3.9E-02
7440-39-3	Barium	66.7	66.7				1.3E-03	1.0E-03	2.3E-03
105-60-2	Caprolactam	2.75	2.75				2.2E-05	1.7E-06	2.3E-05
16065-83-1	Chromium(III), Insoluble Salts	8.5	8.5				2.2E-05	9.1E-05	1.1E-04
7440-48-4	Cobalt	3.55	3.55				4.7E-02	9.9E-04	4.8E-02
7440-50-8	Copper	19.8	19.8				2.0E-03	1.0E-04	2.1E-03
156-59-2	Dichloroethylene, cis-1,2-	0.77	0.77				1.5E-03	1.2E-03	2.7E-03
7439-92-1	~Lead and Compounds	22.2	22.2						
7439-96-5	Manganese (Non-diet)	213	213				3.5E-02	4.6E-02	8.1E-02
7439-97-6	~Mercury (elemental)	0.245	0.245						
7440-02-0	Nickel Soluble Salts	8.55	8.55				1.7E-03	4.5E-04	2.1E-03
14797-55-8	Nitrate (measured as nitrogen)	403	403				9.9E-04	5.3E-05	1.0E-03
7440-62-2	Vanadium and Compounds	12	12				9.4E-03	1.9E-02	2.9E-02
7440-66-6	Zinc and Compounds	69.2	69.2				9.1E-04	2.9E-05	9.4E-04
					Cumulative:	2.5E-06			2.1E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, Durham County, NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SW-7 Risk Assessment
Submittal Date:	9/19/2025
Prepared By:	Jonathan Olanin
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-7 Risk Assessment

Surface Water Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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 (ug/L)	Notes:	CAS Number	Chemical	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
137		7664-41-7	Ammonia			ug/L	SW-7									
2.42	J	7440-38-2	Arsenic, Inorganic			ug/L	SW-7									
59.4		7440-39-3	Barium			ug/L	SW-7									
5.11		16065-83-1	Chromium(III), Insoluble Salts			ug/L	SW-7									
1.56	J	7440-48-4	Cobalt			ug/L	SW-7									
15.4		7440-50-8	Copper			ug/L	SW-7									
2.11		156-59-2	Dichloroethylene, cis-1,2-			ug/L	SW-7									
11.9		7439-92-1	~Lead and Compounds			ug/L	SW-7									
124		7439-96-5	Manganese (Non-diet)			ug/L	SW-7									
5.35		7440-02-0	Nickel Soluble Salts			ug/L	SW-7									
375		14797-55-8	Nitrate (measured as nitrogen)			ug/L	SW-7									
0.348	J	79-01-6	Trichloroethylene			ug/L	SW-7									
7.46		7440-62-2	Vanadium and Compounds			ug/L	SW-7									
54.3		7440-66-6	Zinc and Compounds			ug/L	SW-7									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-7 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	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*	2.2E-06	1.4E-01	NO

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, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Surface Water **Output Form 2G**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-7 Risk Assessment

Receptor Type:

CAS #	Chemical Name:	Ingestion Concentration (ug/L)	Dermal Concentration (ug/L)	Ingestion Carcinogenic Risk	Dermal Contact Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Contact Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
7664-41-7	Ammonia	137	137						
7440-38-2	Arsenic, Inorganic	2.42	2.42	**1.9E-06**	1.9E-07	**2.1E-06**	3.2E-02	1.7E-03	3.4E-02
7440-39-3	Barium	59.4	59.4				1.2E-03	8.9E-04	2.1E-03
16065-83-1	Chromium(III), Insoluble Salts	5.11	5.11				1.3E-05	5.5E-05	6.8E-05
7440-48-4	Cobalt	1.56	1.56				2.1E-02	4.4E-04	2.1E-02
7440-50-8	Copper	15.4	15.4				1.5E-03	8.1E-05	1.6E-03
156-59-2	Dichloroethylene, cis-1,2-	2.11	2.11				4.2E-03	3.3E-03	7.4E-03
7439-92-1	~Lead and Compounds	11.9	11.9						
7439-96-5	Manganese (Non-diet)	124	124				2.0E-02	2.7E-02	4.7E-02
7440-02-0	Nickel Soluble Salts	5.35	5.35				1.1E-03	2.8E-04	1.3E-03
14797-55-8	Nitrate (measured as nitrogen)	375	375				9.2E-04	4.9E-05	9.7E-04
79-01-6	Trichloroethylene	0.348	0.348	1.4E-08	2.2E-08	3.6E-08	2.7E-03	2.6E-03	5.4E-03
7440-62-2	Vanadium and Compounds	7.46	7.46				5.8E-03	1.2E-02	1.8E-02
7440-66-6	Zinc and Compounds	54.3	54.3				7.1E-04	2.3E-05	7.4E-04
					Cumulative:	2.2E-06			1.4E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, Durham County, NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SW-8 Risk Assessment
Submittal Date:	9/19/2025
Prepared By:	Jonathan Olanin
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-8 Risk Assessment

Surface Water Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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 (ug/L)	Notes:	CAS Number	Chemical	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
126		7664-41-7	Ammonia			ug/L	SW-8									
2.26	J	7440-38-2	Arsenic, Inorganic			ug/L	SW-8									
55.4		7440-39-3	Barium			ug/L	SW-8									
5.22		16065-83-1	Chromium(III), Insoluble Salts			ug/L	SW-8									
1.22	J	7440-48-4	Cobalt			ug/L	SW-8									
12.8		7440-50-8	Copper			ug/L	SW-8									
2.16		156-59-2	Dichloroethylene, cis-1,2-			ug/L	SW-8									
7.46		7439-92-1	~Lead and Compounds			ug/L	SW-8									
99.9		7439-96-5	Manganese (Non-diet)			ug/L	SW-8									
4.93	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-8									
369		14797-55-8	Nitrate (measured as nitrogen)			ug/L	SW-8									
0.343		79-01-6	Trichloroethylene			ug/L	SW-8									
7.62		7440-62-2	Vanadium and Compounds			ug/L	SW-8									
40.9		7440-66-6	Zinc and Compounds			ug/L	SW-8									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-8 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	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*	2.0E-06	1.2E-01	NO

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, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Surface Water **Output Form 2G**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-8 Risk Assessment

Receptor Type:

CAS #	Chemical Name:	Ingestion Concentration (ug/L)	Dermal Concentration (ug/L)	Ingestion Carcinogenic Risk	Dermal Contact Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Contact Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
7664-41-7	Ammonia	126	126						
7440-38-2	Arsenic, Inorganic	2.26	2.26	**1.8E-06**	1.8E-07	**2.0E-06**	3.0E-02	1.6E-03	3.1E-02
7440-39-3	Barium	55.4	55.4				1.1E-03	8.3E-04	1.9E-03
16065-83-1	Chromium(III), Insoluble Salts	5.22	5.22				1.4E-05	5.6E-05	7.0E-05
7440-48-4	Cobalt	1.22	1.22				1.6E-02	3.4E-04	1.6E-02
7440-50-8	Copper	12.8	12.8				1.3E-03	6.7E-05	1.3E-03
156-59-2	Dichloroethylene, cis-1,2-	2.16	2.16				4.3E-03	3.3E-03	7.6E-03
7439-92-1	~Lead and Compounds	7.46	7.46						
7439-96-5	Manganese (Non-diet)	99.9	99.9				1.6E-02	2.2E-02	3.8E-02
7440-02-0	Nickel Soluble Salts	4.93	4.93				9.7E-04	2.6E-04	1.2E-03
14797-55-8	Nitrate (measured as nitrogen)	369	369				9.1E-04	4.8E-05	9.6E-04
79-01-6	Trichloroethylene	0.343	0.343	1.4E-08	2.1E-08	3.5E-08	2.7E-03	2.6E-03	5.3E-03
7440-62-2	Vanadium and Compounds	7.62	7.62				6.0E-03	1.2E-02	1.8E-02
7440-66-6	Zinc and Compounds	40.9	40.9				5.4E-04	1.7E-05	5.5E-04
					Cumulative:	2.0E-06			1.2E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, Durham County, NC
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SW-9 Risk Assessment
Submittal Date:	9/19/2025
Prepared By:	Jonathan Olanin
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-9 Risk Assessment

Surface Water Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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 (ug/L)	Notes:	CAS Number	Chemical	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
123		7664-41-7	Ammonia			ug/L	SW-9									
1.99	J	7440-38-2	Arsenic, Inorganic			ug/L	SW-9									
56.6		7440-39-3	Barium			ug/L	SW-9									
3.77	J	16065-83-1	Chromium(III), Insoluble Salts			ug/L	SW-9									
1.04	J	7440-48-4	Cobalt			ug/L	SW-9									
12.1		7440-50-8	Copper			ug/L	SW-9									
2.05		156-59-2	Dichloroethylene, cis-1,2-			ug/L	SW-9									
6.51		7439-92-1	~Lead and Compounds			ug/L	SW-9									
99.2		7439-96-5	Manganese (Non-diet)			ug/L	SW-9									
4.48	J	7440-02-0	Nickel Soluble Salts			ug/L	SW-9									
381		14797-55-8	Nitrate (measured as nitrogen)			ug/L	SW-9									
0.271	J	79-01-6	Trichloroethylene			ug/L	SW-9									
6.2		7440-62-2	Vanadium and Compounds			ug/L	SW-9									
49.5		7440-66-6	Zinc and Compounds			ug/L	SW-9									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-9 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	NC	NC	NC
	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*	1.8E-06	1.1E-01	NO

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, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Surface Water **Output Form 2G**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SW-9 Risk Assessment

Receptor Type:

CAS #	Chemical Name:	Ingestion Concentration (ug/L)	Dermal Concentration (ug/L)	Ingestion Carcinogenic Risk	Dermal Contact Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Contact Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
7664-41-7	Ammonia	123	123						
7440-38-2	Arsenic, Inorganic	1.99	1.99	**1.6E-06**	1.6E-07	**1.7E-06**	2.6E-02	1.4E-03	2.8E-02
7440-39-3	Barium	56.6	56.6				1.1E-03	8.5E-04	2.0E-03
16065-83-1	Chromium(III), Insoluble Salts	3.77	3.77				9.9E-06	4.0E-05	5.0E-05
7440-48-4	Cobalt	1.04	1.04				1.4E-02	2.9E-04	1.4E-02
7440-50-8	Copper	12.1	12.1				1.2E-03	6.3E-05	1.3E-03
156-59-2	Dichloroethylene, cis-1,2-	2.05	2.05				4.0E-03	3.2E-03	7.2E-03
7439-92-1	~Lead and Compounds	6.51	6.51						
7439-96-5	Manganese (Non-diet)	99.2	99.2				1.6E-02	2.2E-02	3.8E-02
7440-02-0	Nickel Soluble Salts	4.48	4.48				8.8E-04	2.3E-04	1.1E-03
14797-55-8	Nitrate (measured as nitrogen)	381	381				9.4E-04	5.0E-05	9.9E-04
79-01-6	Trichloroethylene	0.271	0.271	1.1E-08	1.7E-08	2.8E-08	2.1E-03	2.0E-03	4.2E-03
7440-62-2	Vanadium and Compounds	6.2	6.2				4.9E-03	9.9E-03	1.5E-02
7440-66-6	Zinc and Compounds	49.5	49.5				6.5E-04	2.1E-05	6.7E-04
					Cumulative:	1.8E-06			1.1E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SED-1 Risk Assessment
Submittal Date:	11/21/2025
Prepared By:	Clay Faircloth
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-1 Risk Assessment

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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
0.0201	J	67-64-1	Acetone			mg/kg	SED-1									
1.1	J	7664-41-7	Ammonia			mg/kg	SED-1									
0.76		7440-38-2	Arsenic, Inorganic			mg/kg	SED-1									
24.8		7440-39-3	Barium			mg/kg	SED-1									
0.141	J	7440-41-7	Beryllium and compounds			mg/kg	SED-1									
0.0903	J	7440-43-9	Cadmium (Diet)			mg/kg	SED-1									
6.13		16065-83-1	Chromium(III), Insoluble Salts			mg/kg	SED-1									
4.22		7440-48-4	Cobalt			mg/kg	SED-1									
8.59	B	7440-50-8	Copper			mg/kg	SED-1									
39.1		7439-92-1	~Lead and Compounds			mg/kg	SED-1									
168		7439-96-5	Manganese (Non-diet)			mg/kg	SED-1									
11.8		7440-02-0	Nickel Soluble Salts			mg/kg	SED-1									
0.977	J	206-44-0	~Fluoranthene			mg/kg	SED-1									
0.623	J	129-00-0	~Pyrene			mg/kg	SED-1									
0.154	J	7440-22-4	Silver			mg/kg	SED-1									
12.2		7440-62-2	Vanadium and Compounds			mg/kg	SED-1									
53		7440-66-6	Zinc and Compounds			mg/kg	SED-1									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-1 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	1.1E-06	3.5E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	2.5E-07	2.4E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	4.8E-07	1.5E-01	NO
	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, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-1 Risk Assessment

** - 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.*

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
67-64-1	Acetone	0.0201	0.0201	0.0201					2.9E-07			2.9E-07
7664-41-7	Ammonia	1.1	1.1	1.1							3.6E-11	3.6E-11
7440-38-2	Arsenic, Inorganic	0.76	0.76	0.76	9.8E-07	1.4E-07	2.0E-11	1.1E-06	1.9E-02	2.3E-03	8.2E-07	2.2E-02
7440-39-3	Barium	24.8	24.8	24.8					1.6E-03		8.0E-07	1.6E-03
7440-41-7	Beryllium and compounds	0.141	0.141	0.141			2.0E-12	2.0E-12	9.0E-04		1.1E-07	9.0E-04
7440-43-9	Cadmium (Diet)	0.0903	0.0903	0.0903			9.8E-13	9.8E-13	1.2E-02	1.1E-03	1.5E-07	1.3E-02
16065-83-1	Chromium(III), Insoluble Salts	6.13	6.13	6.13					5.2E-05			5.2E-05
7440-48-4	Cobalt	4.22	4.22	4.22			2.3E-10	2.3E-10	1.8E-01		1.1E-05	1.8E-01
7440-50-8	Copper	8.59	8.59	8.59					2.7E-03			2.7E-03
7439-92-1	~Lead and Compounds	39.1	39.1	39.1					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	168	168	168					8.9E-02		5.4E-05	9.0E-02
7440-02-0	Nickel Soluble Salts	11.8	11.8	11.8			1.8E-11	1.8E-11	7.5E-03		1.9E-05	7.6E-03
206-44-0	~Fluoranthene	0.977	0.977	0.977					3.1E-04	9.6E-05		4.1E-04
129-00-0	~Pyrene	0.623	0.623	0.623					2.7E-04	8.2E-05		3.5E-04
7440-22-4	Silver	0.154	0.154	0.154					3.9E-04			3.9E-04
7440-62-2	Vanadium and Compounds	12.2	12.2	12.2					3.1E-02		2.0E-06	3.1E-02
7440-66-6	Zinc and Compounds	53	53	53					2.3E-03			2.3E-03
						Cumulative:		1.1E-06				3.5E-01

DEQ Risk Calculator - Direct Contact - Non-Residential Worker Soil **Output Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-1 Risk Assessment

** - 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 800 mg/kg for commercial/industrial soil.*

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
67-64-1	Acetone	0.0201	0.0201	0.0201					1.9E-08			1.9E-08
7664-41-7	Ammonia	1.1	1.1	1.1							8.5E-12	8.5E-12
7440-38-2	Arsenic, Inorganic	0.76	0.76	0.76	2.1E-07	4.4E-08	4.5E-12	2.5E-07	1.3E-03	2.8E-04	1.9E-07	1.6E-03
7440-39-3	Barium	24.8	24.8	24.8					1.1E-04		1.9E-07	1.1E-04
7440-41-7	Beryllium and compounds	0.141	0.141	0.141			4.7E-13	4.7E-13	6.0E-05		2.7E-08	6.0E-05
7440-43-9	Cadmium (Diet)	0.0903	0.0903	0.0903			2.2E-13	2.2E-13	7.7E-04	1.3E-04	3.5E-08	9.0E-04
16065-83-1	Chromium(III), Insoluble Salts	6.13	6.13	6.13					3.5E-06			3.5E-06
7440-48-4	Cobalt	4.22	4.22	4.22			5.2E-11	5.2E-11	1.2E-02		2.7E-06	1.2E-02
7440-50-8	Copper	8.59	8.59	8.59					1.8E-04			1.8E-04
7439-92-1	~Lead and Compounds	39.1	39.1	39.1					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	168	168	168					6.0E-03		1.3E-05	6.0E-03
7440-02-0	Nickel Soluble Salts	11.8	11.8	11.8			4.2E-12	4.2E-12	5.1E-04		4.5E-06	5.1E-04
206-44-0	~Fluoranthene	0.977	0.977	0.977					2.1E-05	1.2E-05		3.2E-05
129-00-0	~Pyrene	0.623	0.623	0.623					1.8E-05	9.8E-06		2.8E-05
7440-22-4	Silver	0.154	0.154	0.154					2.6E-05			2.6E-05
7440-62-2	Vanadium and Compounds	12.2	12.2	12.2					2.1E-03		4.7E-07	2.1E-03
7440-66-6	Zinc and Compounds	53	53	53					1.5E-04			1.5E-04
						Cumulative:		2.5E-07				2.4E-02

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Soil **Output Form 2F**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-1 Risk Assessment

** - 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.*

Receptor Type:

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
67-64-1	Acetone	0.0201	0.0201	0.0201					1.2E-07			1.2E-07
7664-41-7	Ammonia	1.1	1.1	1.1							1.3E-12	1.3E-12
7440-38-2	Arsenic, Inorganic	0.76	0.76	0.76	4.2E-07	5.9E-08	7.0E-13	4.8E-07	8.3E-03	9.9E-04	2.9E-08	9.3E-03
7440-39-3	Barium	24.8	24.8	24.8					6.8E-04		2.9E-08	6.8E-04
7440-41-7	Beryllium and compounds	0.141	0.141	0.141			7.3E-14	7.3E-14	3.9E-04		4.1E-09	3.9E-04
7440-43-9	Cadmium (Diet)	0.0903	0.0903	0.0903			3.5E-14	3.5E-14	4.9E-03	4.7E-04	5.2E-09	5.4E-03
16065-83-1	Chromium(III), Insoluble Salts	6.13	6.13	6.13					2.2E-05			2.2E-05
7440-48-4	Cobalt	4.22	4.22	4.22			8.1E-12	8.1E-12	7.7E-02		4.1E-07	7.7E-02
7440-50-8	Copper	8.59	8.59	8.59					1.2E-03			1.2E-03
7439-92-1	~Lead and Compounds	39.1	39.1	39.1					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	168	168	168					3.8E-02		1.9E-06	3.8E-02
7440-02-0	Nickel Soluble Salts	11.8	11.8	11.8			6.6E-13	6.6E-13	3.2E-03		6.8E-07	3.2E-03
206-44-0	~Fluoranthene	0.977	0.977	0.977					1.3E-04	4.1E-05		1.8E-04
129-00-0	~Pyrene	0.623	0.623	0.623					1.1E-04	3.5E-05		1.5E-04
7440-22-4	Silver	0.154	0.154	0.154					1.7E-04			1.7E-04
7440-62-2	Vanadium and Compounds	12.2	12.2	12.2					1.3E-02		7.0E-08	1.3E-02
7440-66-6	Zinc and Compounds	53	53	53					9.7E-04			9.7E-04
						Cumulative:		4.8E-07				1.5E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SED-2 Risk Assessment
Submittal Date:	11/21/2025
Prepared By:	Clay Faircloth
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-2 Risk Assessment

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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
0.15	J	7440-36-0	Antimony (metallic)			mg/kg	SED-2									
0.99		7440-38-2	Arsenic, Inorganic			mg/kg	SED-2									
24.9		7440-39-3	Barium			mg/kg	SED-2									
0.216	J	7440-41-7	Beryllium and compounds			mg/kg	SED-2									
0.0925	J	7440-43-9	Cadmium (Diet)			mg/kg	SED-2									
15.3		16065-83-1	Chromium(III), Insoluble Salts			mg/kg	SED-2									
3.6		7440-48-4	Cobalt			mg/kg	SED-2									
13.9	B	7440-50-8	Copper			mg/kg	SED-2									
20.6		7439-92-1	~Lead and Compounds			mg/kg	SED-2									
113		7439-96-5	Manganese (Non-diet)			mg/kg	SED-2									
9.96		7440-02-0	Nickel Soluble Salts			mg/kg	SED-2									
0.594	J	206-44-0	~Fluoranthene			mg/kg	SED-2									
0.482	J	129-00-0	~Pyrene			mg/kg	SED-2									
0.0124	J	7440-22-4	Silver			mg/kg	SED-2									
16.1		7440-62-2	Vanadium and Compounds			mg/kg	SED-2									
49.7		7440-66-6	Zinc and Compounds			mg/kg	SED-2									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-2 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	1.5E-06	3.2E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	3.3E-07	2.1E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	6.3E-07	1.4E-01	NO
	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, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-2 Risk Assessment

** - 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.*

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
7440-36-0	Antimony (metallic)	0.15	0.15	0.15					4.8E-03		8.1E-09	4.8E-03
7440-38-2	Arsenic, Inorganic	0.99	0.99	0.99	**1.3E-06**	1.8E-07	2.6E-11	1.5E-06	2.5E-02	3.0E-03	1.1E-06	2.8E-02
7440-39-3	Barium	24.9	24.9	24.9					1.6E-03		8.0E-07	1.6E-03
7440-41-7	Beryllium and compounds	0.216	0.216	0.216			3.1E-12	3.1E-12	1.4E-03		1.7E-07	1.4E-03
7440-43-9	Cadmium (Diet)	0.0925	0.0925	0.0925			1.0E-12	1.0E-12	1.2E-02	1.1E-03	1.5E-07	1.3E-02
16065-83-1	Chromium(III), Insoluble Salts	15.3	15.3	15.3					1.3E-04			1.3E-04
7440-48-4	Cobalt	3.6	3.6	3.6			1.9E-10	1.9E-10	1.5E-01		9.7E-06	1.5E-01
7440-50-8	Copper	13.9	13.9	13.9					4.4E-03			4.4E-03
7439-92-1	~Lead and Compounds	20.6	20.6	20.6					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	113	113	113					6.0E-02		3.7E-05	6.0E-02
7440-02-0	Nickel Soluble Salts	9.96	9.96	9.96			1.6E-11	1.6E-11	6.4E-03		1.6E-05	6.4E-03
206-44-0	~Fluoranthene	0.594	0.594	0.594					1.9E-04	5.9E-05		2.5E-04
129-00-0	~Pyrene	0.482	0.482	0.482					2.1E-04	6.3E-05		2.7E-04
7440-22-4	Silver	0.0124	0.0124	0.0124					3.2E-05			3.2E-05
7440-62-2	Vanadium and Compounds	16.1	16.1	16.1					4.1E-02		2.6E-06	4.1E-02
7440-66-6	Zinc and Compounds	49.7	49.7	49.7					2.1E-03			2.1E-03
						Cumulative:		1.5E-06				3.2E-01

DEQ Risk Calculator - Direct Contact - Non-Residential Worker Soil **Output Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-2 Risk Assessment

** - 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 800 mg/kg for commercial/industrial soil.*

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
7440-36-0	Antimony (metallic)	0.15	0.15	0.15					3.2E-04		1.9E-09	3.2E-04
7440-38-2	Arsenic, Inorganic	0.99	0.99	0.99	2.7E-07	5.8E-08	5.9E-12	3.3E-07	1.7E-03	3.6E-04	2.5E-07	2.1E-03
7440-39-3	Barium	24.9	24.9	24.9					1.1E-04		1.9E-07	1.1E-04
7440-41-7	Beryllium and compounds	0.216	0.216	0.216			7.1E-13	7.1E-13	9.2E-05		4.2E-08	9.3E-05
7440-43-9	Cadmium (Diet)	0.0925	0.0925	0.0925			2.3E-13	2.3E-13	7.9E-04	1.3E-04	3.6E-08	9.3E-04
16065-83-1	Chromium(III), Insoluble Salts	15.3	15.3	15.3					8.7E-06			8.7E-06
7440-48-4	Cobalt	3.6	3.6	3.6			4.5E-11	4.5E-11	1.0E-02		2.3E-06	1.0E-02
7440-50-8	Copper	13.9	13.9	13.9					3.0E-04			3.0E-04
7439-92-1	~Lead and Compounds	20.6	20.6	20.6					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	113	113	113					4.0E-03		8.7E-06	4.0E-03
7440-02-0	Nickel Soluble Salts	9.96	9.96	9.96			3.6E-12	3.6E-12	4.3E-04		3.8E-06	4.3E-04
206-44-0	~Fluoranthene	0.594	0.594	0.594					1.3E-05	7.0E-06		2.0E-05
129-00-0	~Pyrene	0.482	0.482	0.482					1.4E-05	7.6E-06		2.1E-05
7440-22-4	Silver	0.0124	0.0124	0.0124					2.1E-06			2.1E-06
7440-62-2	Vanadium and Compounds	16.1	16.1	16.1					2.7E-03		6.2E-07	2.7E-03
7440-66-6	Zinc and Compounds	49.7	49.7	49.7					1.4E-04			1.4E-04
						Cumulative:		3.3E-07				2.1E-02

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Soil **Output Form 2F**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-2 Risk Assessment

** - 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.*

Receptor Type:

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
7440-36-0	Antimony (metallic)	0.15	0.15	0.15					2.1E-03		2.9E-10	2.1E-03
7440-38-2	Arsenic, Inorganic	0.99	0.99	0.99	5.5E-07	7.7E-08	9.1E-13	6.3E-07	1.1E-02	1.3E-03	3.8E-08	1.2E-02
7440-39-3	Barium	24.9	24.9	24.9					6.8E-04		2.9E-08	6.8E-04
7440-41-7	Beryllium and compounds	0.216	0.216	0.216			1.1E-13	1.1E-13	5.9E-04		6.2E-09	5.9E-04
7440-43-9	Cadmium (Diet)	0.0925	0.0925	0.0925			3.6E-14	3.6E-14	5.1E-03	4.8E-04	5.3E-09	5.5E-03
16065-83-1	Chromium(III), Insoluble Salts	15.3	15.3	15.3					5.6E-05			5.6E-05
7440-48-4	Cobalt	3.6	3.6	3.6			6.9E-12	6.9E-12	6.6E-02		3.5E-07	6.6E-02
7440-50-8	Copper	13.9	13.9	13.9					1.9E-03			1.9E-03
7439-92-1	~Lead and Compounds	20.6	20.6	20.6					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	113	113	113					2.6E-02		1.3E-06	2.6E-02
7440-02-0	Nickel Soluble Salts	9.96	9.96	9.96			5.6E-13	5.6E-13	2.7E-03		5.7E-07	2.7E-03
206-44-0	~Fluoranthene	0.594	0.594	0.594					8.1E-05	2.5E-05		1.1E-04
129-00-0	~Pyrene	0.482	0.482	0.482					8.8E-05	2.7E-05		1.2E-04
7440-22-4	Silver	0.0124	0.0124	0.0124					1.4E-05			1.4E-05
7440-62-2	Vanadium and Compounds	16.1	16.1	16.1					1.8E-02		9.3E-08	1.8E-02
7440-66-6	Zinc and Compounds	49.7	49.7	49.7					9.1E-04			9.1E-04
						Cumulative:		6.3E-07				1.4E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SED-3 Risk Assessment
Submittal Date:	11/21/2025
Prepared By:	Clay Faircloth
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-3 Risk Assessment

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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
0.0269	J	67-64-1	Acetone			mg/kg	SED-3									
0.224	J	7440-36-0	Antimony (metallic)			mg/kg	SED-3									
1.16		7440-38-2	Arsenic, Inorganic			mg/kg	SED-3									
38.7		7440-39-3	Barium			mg/kg	SED-3									
0.186	J	7440-41-7	Beryllium and compounds			mg/kg	SED-3									
0.0597	J	7440-43-9	Cadmium (Diet)			mg/kg	SED-3									
8.88		16065-83-1	Chromium(III), Insoluble Salts			mg/kg	SED-3									
4.19		7440-48-4	Cobalt			mg/kg	SED-3									
10.8	B	7440-50-8	Copper			mg/kg	SED-3									
41.5		7439-92-1	~Lead and Compounds			mg/kg	SED-3									
125		7439-96-5	Manganese (Non-diet)			mg/kg	SED-3									
13.8		7440-02-0	Nickel Soluble Salts			mg/kg	SED-3									
0.786	J	206-44-0	~Fluoranthene			mg/kg	SED-3									
0.0262	J	7440-22-4	Silver			mg/kg	SED-3									
0.0402	J	7440-28-0	Thallium (Soluble Salts)			mg/kg	SED-3									
17.9		7440-62-2	Vanadium and Compounds			mg/kg	SED-3									
51.2		7440-66-6	Zinc and Compounds			mg/kg	SED-3									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-3 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	1.7E-06	4.1E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	3.9E-07	2.8E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	7.3E-07	1.8E-01	NO
	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, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-3 Risk Assessment

** - 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.*

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
67-64-1	Acetone	0.0269	0.0269	0.0269					3.8E-07			3.8E-07
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	1.16	1.16	1.16	**1.5E-06**	2.1E-07	3.0E-11	1.7E-06	3.0E-02	3.5E-03	1.2E-06	3.3E-02
7440-39-3	Barium	38.7	38.7	38.7					2.5E-03		1.3E-06	2.5E-03
7440-41-7	Beryllium and compounds	0.186	0.186	0.186			2.7E-12	2.7E-12	1.2E-03		1.5E-07	1.2E-03
7440-43-9	Cadmium (Diet)	0.0597	0.0597	0.0597			6.5E-13	6.5E-13	7.6E-03	7.2E-04	9.6E-08	8.4E-03
16065-83-1	Chromium(III), Insoluble Salts	8.88	8.88	8.88					7.6E-05			7.6E-05
7440-48-4	Cobalt	4.19	4.19	4.19			2.3E-10	2.3E-10	1.8E-01		1.1E-05	1.8E-01
7440-50-8	Copper	10.8	10.8	10.8					3.5E-03			3.5E-03
7439-92-1	~Lead and Compounds	41.5	41.5	41.5					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	125	125	125					6.7E-02		4.0E-05	6.7E-02
7440-02-0	Nickel Soluble Salts	13.8	13.8	13.8			2.2E-11	2.2E-11	8.8E-03		2.2E-05	8.8E-03
206-44-0	~Fluoranthene	0.786	0.786	0.786					2.5E-04	7.8E-05		3.3E-04
7440-22-4	Silver	0.0262	0.0262	0.0262					6.7E-05			6.7E-05
7440-28-0	Thallium (Soluble Salts)	0.0402	0.0402	0.0402					5.1E-02			5.1E-02
7440-62-2	Vanadium and Compounds	17.9	17.9	17.9					4.5E-02		2.9E-06	4.5E-02
7440-66-6	Zinc and Compounds	51.2	51.2	51.2					2.2E-03			2.2E-03
						Cumulative:		1.7E-06				4.1E-01

DEQ Risk Calculator - Direct Contact - Non-Residential Worker Soil **Output Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-3 Risk Assessment

** - 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 800 mg/kg for commercial/industrial soil.*

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
67-64-1	Acetone	0.0269	0.0269	0.0269					2.6E-08			2.6E-08
7440-36-0	Antimony (metallic)	0.224	0.224	0.224					4.8E-04		2.9E-09	4.8E-04
7440-38-2	Arsenic, Inorganic	1.16	1.16	1.16	3.2E-07	6.8E-08	6.9E-12	3.9E-07	2.0E-03	4.2E-04	3.0E-07	2.4E-03
7440-39-3	Barium	38.7	38.7	38.7					1.7E-04		3.0E-07	1.7E-04
7440-41-7	Beryllium and compounds	0.186	0.186	0.186			6.1E-13	6.1E-13	8.0E-05		3.6E-08	8.0E-05
7440-43-9	Cadmium (Diet)	0.0597	0.0597	0.0597			1.5E-13	1.5E-13	5.1E-04	8.7E-05	2.3E-08	6.0E-04
16065-83-1	Chromium(III), Insoluble Salts	8.88	8.88	8.88					5.1E-06			5.1E-06
7440-48-4	Cobalt	4.19	4.19	4.19			5.2E-11	5.2E-11	1.2E-02		2.7E-06	1.2E-02
7440-50-8	Copper	10.8	10.8	10.8					2.3E-04			2.3E-04
7439-92-1	~Lead and Compounds	41.5	41.5	41.5					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	125	125	125					4.5E-03		9.6E-06	4.5E-03
7440-02-0	Nickel Soluble Salts	13.8	13.8	13.8			4.9E-12	4.9E-12	5.9E-04		5.3E-06	6.0E-04
206-44-0	~Fluoranthene	0.786	0.786	0.786					1.7E-05	9.3E-06		2.6E-05
7440-22-4	Silver	0.0262	0.0262	0.0262					4.5E-06			4.5E-06
7440-28-0	Thallium (Soluble Salts)	0.0402	0.0402	0.0402					3.4E-03			3.4E-03
7440-62-2	Vanadium and Compounds	17.9	17.9	17.9					3.0E-03		6.9E-07	3.0E-03
7440-66-6	Zinc and Compounds	51.2	51.2	51.2					1.5E-04			1.5E-04
						Cumulative:		3.9E-07				2.8E-02

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Soil **Output Form 2F**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-3 Risk Assessment

** - 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.*

Receptor Type:

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
67-64-1	Acetone	0.0269	0.0269	0.0269					1.6E-07			1.6E-07
7440-36-0	Antimony (metallic)	0.224	0.224	0.224					3.1E-03		4.3E-10	3.1E-03
7440-38-2	Arsenic, Inorganic	1.16	1.16	1.16	6.4E-07	9.1E-08	1.1E-12	7.3E-07	1.3E-02	1.5E-03	4.5E-08	1.4E-02
7440-39-3	Barium	38.7	38.7	38.7					1.1E-03		4.5E-08	1.1E-03
7440-41-7	Beryllium and compounds	0.186	0.186	0.186			9.6E-14	9.6E-14	5.1E-04		5.4E-09	5.1E-04
7440-43-9	Cadmium (Diet)	0.0597	0.0597	0.0597			2.3E-14	2.3E-14	3.3E-03	3.1E-04	3.4E-09	3.6E-03
16065-83-1	Chromium(III), Insoluble Salts	8.88	8.88	8.88					3.2E-05			3.2E-05
7440-48-4	Cobalt	4.19	4.19	4.19			8.1E-12	8.1E-12	7.7E-02		4.0E-07	7.7E-02
7440-50-8	Copper	10.8	10.8	10.8					1.5E-03			1.5E-03
7439-92-1	~Lead and Compounds	41.5	41.5	41.5					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	125	125	125					2.9E-02		1.4E-06	2.9E-02
7440-02-0	Nickel Soluble Salts	13.8	13.8	13.8			7.7E-13	7.7E-13	3.8E-03		8.0E-07	3.8E-03
206-44-0	~Fluoranthene	0.786	0.786	0.786					1.1E-04	3.3E-05		1.4E-04
7440-22-4	Silver	0.0262	0.0262	0.0262					2.9E-05			2.9E-05
7440-28-0	Thallium (Soluble Salts)	0.0402	0.0402	0.0402					2.2E-02			2.2E-02
7440-62-2	Vanadium and Compounds	17.9	17.9	17.9					1.9E-02		1.0E-07	1.9E-02
7440-66-6	Zinc and Compounds	51.2	51.2	51.2					9.4E-04			9.4E-04
						Cumulative:		7.3E-07				1.8E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SED-4 Risk Assessment
Submittal Date:	11/21/2025
Prepared By:	Clay Faircloth
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-4 Risk Assessment

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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
0.0175	J	67-64-1	Acetone			mg/kg	SED-4									
0.741		7440-36-0	Antimony (metallic)			mg/kg	SED-4									
0.709		7440-38-2	Arsenic, Inorganic			mg/kg	SED-4									
22.3		7440-39-3	Barium			mg/kg	SED-4									
0.134	J	7440-41-7	Beryllium and compounds			mg/kg	SED-4									
0.0781	J	7440-43-9	Cadmium (Diet)			mg/kg	SED-4									
4.96		16065-83-1	Chromium(III), Insoluble Salts			mg/kg	SED-4									
3.81		7440-48-4	Cobalt			mg/kg	SED-4									
37	B	7440-50-8	Copper			mg/kg	SED-4									
21.2		7439-92-1	~Lead and Compounds			mg/kg	SED-4									
112		7439-96-5	Manganese (Non-diet)			mg/kg	SED-4									
11.2		7440-02-0	Nickel Soluble Salts			mg/kg	SED-4									
0.739	J	206-44-0	~Fluoranthene			mg/kg	SED-4									
0.471	J	129-00-0	~Pyrene			mg/kg	SED-4									
0.0139	J	7440-22-4	Silver			mg/kg	SED-4									
12.9		7440-62-2	Vanadium and Compounds			mg/kg	SED-4									
51.5		7440-66-6	Zinc and Compounds			mg/kg	SED-4									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-4 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	1.0E-06	3.3E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	2.4E-07	2.3E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	4.5E-07	1.4E-01	NO
	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, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-4 Risk Assessment

** - 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.*

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
67-64-1	Acetone	0.0175	0.0175	0.0175					2.5E-07			2.5E-07
7440-36-0	Antimony (metallic)	0.741	0.741	0.741					2.4E-02		4.0E-08	2.4E-02
7440-38-2	Arsenic, Inorganic	0.709	0.709	0.709	9.2E-07	1.3E-07	1.8E-11	1.0E-06	1.8E-02	2.2E-03	7.6E-07	2.0E-02
7440-39-3	Barium	22.3	22.3	22.3					1.4E-03		7.2E-07	1.4E-03
7440-41-7	Beryllium and compounds	0.134	0.134	0.134			1.9E-12	1.9E-12	8.6E-04		1.1E-07	8.6E-04
7440-43-9	Cadmium (Diet)	0.0781	0.0781	0.0781			8.4E-13	8.4E-13	1.0E-02	9.5E-04	1.3E-07	1.1E-02
16065-83-1	Chromium(III), Insoluble Salts	4.96	4.96	4.96					4.2E-05			4.2E-05
7440-48-4	Cobalt	3.81	3.81	3.81			2.1E-10	2.1E-10	1.6E-01		1.0E-05	1.6E-01
7440-50-8	Copper	37	37	37					1.2E-02			1.2E-02
7439-92-1	~Lead and Compounds	21.2	21.2	21.2					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	112	112	112					6.0E-02		3.6E-05	6.0E-02
7440-02-0	Nickel Soluble Salts	11.2	11.2	11.2			1.7E-11	1.7E-11	7.2E-03		1.8E-05	7.2E-03
206-44-0	~Fluoranthene	0.739	0.739	0.739					2.4E-04	7.3E-05		3.1E-04
129-00-0	~Pyrene	0.471	0.471	0.471					2.0E-04	6.2E-05		2.6E-04
7440-22-4	Silver	0.0139	0.0139	0.0139					3.6E-05			3.6E-05
7440-62-2	Vanadium and Compounds	12.9	12.9	12.9					3.3E-02		2.1E-06	3.3E-02
7440-66-6	Zinc and Compounds	51.5	51.5	51.5					2.2E-03			2.2E-03
						Cumulative:		1.0E-06				3.3E-01

DEQ Risk Calculator - Direct Contact - Non-Residential Worker Soil **Output Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-4 Risk Assessment

** - 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 800 mg/kg for commercial/industrial soil.*

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
67-64-1	Acetone	0.0175	0.0175	0.0175					1.7E-08			1.7E-08
7440-36-0	Antimony (metallic)	0.741	0.741	0.741					1.6E-03		9.5E-09	1.6E-03
7440-38-2	Arsenic, Inorganic	0.709	0.709	0.709	2.0E-07	4.1E-08	4.2E-12	2.4E-07	1.2E-03	2.6E-04	1.8E-07	1.5E-03
7440-39-3	Barium	22.3	22.3	22.3					9.5E-05		1.7E-07	9.6E-05
7440-41-7	Beryllium and compounds	0.134	0.134	0.134			4.4E-13	4.4E-13	5.7E-05		2.6E-08	5.7E-05
7440-43-9	Cadmium (Diet)	0.0781	0.0781	0.0781			1.9E-13	1.9E-13	6.7E-04	1.1E-04	3.0E-08	7.8E-04
16065-83-1	Chromium(III), Insoluble Salts	4.96	4.96	4.96					2.8E-06			2.8E-06
7440-48-4	Cobalt	3.81	3.81	3.81			4.7E-11	4.7E-11	1.1E-02		2.4E-06	1.1E-02
7440-50-8	Copper	37	37	37					7.9E-04			7.9E-04
7439-92-1	~Lead and Compounds	21.2	21.2	21.2					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	112	112	112					4.0E-03		8.6E-06	4.0E-03
7440-02-0	Nickel Soluble Salts	11.2	11.2	11.2			4.0E-12	4.0E-12	4.8E-04		4.3E-06	4.8E-04
206-44-0	~Fluoranthene	0.739	0.739	0.739					1.6E-05	8.7E-06		2.5E-05
129-00-0	~Pyrene	0.471	0.471	0.471					1.3E-05	7.4E-06		2.1E-05
7440-22-4	Silver	0.0139	0.0139	0.0139					2.4E-06			2.4E-06
7440-62-2	Vanadium and Compounds	12.9	12.9	12.9					2.2E-03		5.0E-07	2.2E-03
7440-66-6	Zinc and Compounds	51.5	51.5	51.5					1.5E-04			1.5E-04
						Cumulative:		2.4E-07				2.3E-02

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Soil **Output Form 2F**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-4 Risk Assessment

** - 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.*

Receptor Type:

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
67-64-1	Acetone	0.0175	0.0175	0.0175					1.1E-07			1.1E-07
7440-36-0	Antimony (metallic)	0.741	0.741	0.741					1.0E-02		1.4E-09	1.0E-02
7440-38-2	Arsenic, Inorganic	0.709	0.709	0.709	3.9E-07	5.5E-08	6.5E-13	4.5E-07	7.8E-03	9.2E-04	2.7E-08	8.7E-03
7440-39-3	Barium	22.3	22.3	22.3					6.1E-04		2.6E-08	6.1E-04
7440-41-7	Beryllium and compounds	0.134	0.134	0.134			6.9E-14	6.9E-14	3.7E-04		3.9E-09	3.7E-04
7440-43-9	Cadmium (Diet)	0.0781	0.0781	0.0781			3.0E-14	3.0E-14	4.3E-03	4.1E-04	4.5E-09	4.7E-03
16065-83-1	Chromium(III), Insoluble Salts	4.96	4.96	4.96					1.8E-05			1.8E-05
7440-48-4	Cobalt	3.81	3.81	3.81			7.4E-12	7.4E-12	7.0E-02		3.7E-07	7.0E-02
7440-50-8	Copper	37	37	37					5.1E-03			5.1E-03
7439-92-1	~Lead and Compounds	21.2	21.2	21.2					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	112	112	112					2.6E-02		1.3E-06	2.6E-02
7440-02-0	Nickel Soluble Salts	11.2	11.2	11.2			6.2E-13	6.2E-13	3.1E-03		6.5E-07	3.1E-03
206-44-0	~Fluoranthene	0.739	0.739	0.739					1.0E-04	3.1E-05		1.3E-04
129-00-0	~Pyrene	0.471	0.471	0.471					8.6E-05	2.7E-05		1.1E-04
7440-22-4	Silver	0.0139	0.0139	0.0139					1.5E-05			1.5E-05
7440-62-2	Vanadium and Compounds	12.9	12.9	12.9					1.4E-02		7.4E-08	1.4E-02
7440-66-6	Zinc and Compounds	51.5	51.5	51.5					9.4E-04			9.4E-04
						Cumulative:		4.5E-07				1.4E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SED-5 Risk Assessment
Submittal Date:	11/21/2025
Prepared By:	Clay Faircloth
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-5 Risk Assessment

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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
0.593		7440-38-2	Arsenic, Inorganic			mg/kg	SED-5									
13.3		7440-39-3	Barium			mg/kg	SED-5									
0.0897	J	7440-41-7	Beryllium and compounds			mg/kg	SED-5									
0.0618	J	7440-43-9	Cadmium (Diet)			mg/kg	SED-5									
5.15		16065-83-1	Chromium(III), Insoluble Salts			mg/kg	SED-5									
3.25		7440-48-4	Cobalt			mg/kg	SED-5									
6.27	B	7440-50-8	Copper			mg/kg	SED-5									
0.00216	J	156-59-2	Dichloroethylene, cis-1,2-			mg/kg	SED-5									
13		7439-92-1	~Lead and Compounds			mg/kg	SED-5									
80.9		7439-96-5	Manganese (Non-diet)			mg/kg	SED-5									
9.24		7440-02-0	Nickel Soluble Salts			mg/kg	SED-5									
0.496	J	206-44-0	~Fluoranthene			mg/kg	SED-5									
0.00851	J	7440-22-4	Silver			mg/kg	SED-5									
0.00124	J	79-01-6	Trichloroethylene			mg/kg	SED-5									
8.48		7440-62-2	Vanadium and Compounds			mg/kg	SED-5									
42.8		7440-66-6	Zinc and Compounds			mg/kg	SED-5									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-5 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	8.8E-07	2.4E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	2.0E-07	1.6E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	3.8E-07	1.0E-01	NO
	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, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-5 Risk Assessment

** - 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.*

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
7440-38-2	Arsenic, Inorganic	0.593	0.593	0.593	7.7E-07	1.1E-07	1.5E-11	8.8E-07	1.5E-02	1.8E-03	6.4E-07	1.7E-02
7440-39-3	Barium	13.3	13.3	13.3					8.5E-04		4.3E-07	8.5E-04
7440-41-7	Beryllium and compounds	0.0897	0.0897	0.0897			1.3E-12	1.3E-12	5.7E-04		7.2E-08	5.7E-04
7440-43-9	Cadmium (Diet)	0.0618	0.0618	0.0618			6.7E-13	6.7E-13	7.9E-03	7.5E-04	1.0E-07	8.7E-03
16065-83-1	Chromium(III), Insoluble Salts	5.15	5.15	5.15					4.4E-05			4.4E-05
7440-48-4	Cobalt	3.25	3.25	3.25			1.8E-10	1.8E-10	1.4E-01		8.8E-06	1.4E-01
7440-50-8	Copper	6.27	6.27	6.27					2.0E-03			2.0E-03
156-59-2	Dichloroethylene, cis-1,2-	0.00216	0.00216	0.00216					1.4E-05		1.6E-05	3.0E-05
7439-92-1	~Lead and Compounds	13	13	13					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	80.9	80.9	80.9					4.3E-02		2.6E-05	4.3E-02
7440-02-0	Nickel Soluble Salts	9.24	9.24	9.24			1.4E-11	1.4E-11	5.9E-03		1.5E-05	5.9E-03
206-44-0	~Fluoranthene	0.496	0.496	0.496					1.6E-04	4.9E-05		2.1E-04
7440-22-4	Silver	0.00851	0.00851	0.00851					2.2E-05			2.2E-05
79-01-6	Trichloroethylene	0.00124	0.00124	0.00124	1.4E-10		8.3E-10	9.7E-10	3.2E-05		1.9E-04	2.2E-04
7440-62-2	Vanadium and Compounds	8.48	8.48	8.48					2.2E-02		1.4E-06	2.2E-02
7440-66-6	Zinc and Compounds	42.8	42.8	42.8					1.8E-03			1.8E-03
						Cumulative:		8.8E-07				2.4E-01

DEQ Risk Calculator - Direct Contact - Non-Residential Worker Soil **Output Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-5 Risk Assessment

** - 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 800 mg/kg for commercial/industrial soil.*

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
7440-38-2	Arsenic, Inorganic	0.593	0.593	0.593	1.6E-07	3.5E-08	3.5E-12	2.0E-07	1.0E-03	2.1E-04	1.5E-07	1.2E-03
7440-39-3	Barium	13.3	13.3	13.3					5.7E-05		1.0E-07	5.7E-05
7440-41-7	Beryllium and compounds	0.0897	0.0897	0.0897			3.0E-13	3.0E-13	3.8E-05		1.7E-08	3.8E-05
7440-43-9	Cadmium (Diet)	0.0618	0.0618	0.0618			1.5E-13	1.5E-13	5.3E-04	9.0E-05	2.4E-08	6.2E-04
16065-83-1	Chromium(III), Insoluble Salts	5.15	5.15	5.15					2.9E-06			2.9E-06
7440-48-4	Cobalt	3.25	3.25	3.25			4.0E-11	4.0E-11	9.3E-03		2.1E-06	9.3E-03
7440-50-8	Copper	6.27	6.27	6.27					1.3E-04			1.3E-04
156-59-2	Dichloroethylene, cis-1,2-	0.00216	0.00216	0.00216					9.2E-07		3.9E-06	4.8E-06
7439-92-1	~Lead and Compounds	13	13	13					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	80.9	80.9	80.9					2.9E-03		6.2E-06	2.9E-03
7440-02-0	Nickel Soluble Salts	9.24	9.24	9.24			3.3E-12	3.3E-12	4.0E-04		3.6E-06	4.0E-04
206-44-0	~Fluoranthene	0.496	0.496	0.496					1.1E-05	5.8E-06		1.6E-05
7440-22-4	Silver	0.00851	0.00851	0.00851					1.5E-06			1.5E-06
79-01-6	Trichloroethylene	0.00124	0.00124	0.00124	1.7E-11		1.3E-10	1.5E-10	2.1E-06		4.5E-05	4.7E-05
7440-62-2	Vanadium and Compounds	8.48	8.48	8.48					1.4E-03		3.3E-07	1.4E-03
7440-66-6	Zinc and Compounds	42.8	42.8	42.8					1.2E-04			1.2E-04
						Cumulative:		2.0E-07				1.6E-02

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Soil **Output Form 2F**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-5 Risk Assessment

** - 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.*

Receptor Type:

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
7440-38-2	Arsenic, Inorganic	0.593	0.593	0.593	3.3E-07	4.6E-08	5.5E-13	3.8E-07	6.5E-03	7.7E-04	2.3E-08	7.3E-03
7440-39-3	Barium	13.3	13.3	13.3					3.6E-04		1.5E-08	3.6E-04
7440-41-7	Beryllium and compounds	0.0897	0.0897	0.0897			4.6E-14	4.6E-14	2.5E-04		2.6E-09	2.5E-04
7440-43-9	Cadmium (Diet)	0.0618	0.0618	0.0618			2.4E-14	2.4E-14	3.4E-03	3.2E-04	3.6E-09	3.7E-03
16065-83-1	Chromium(III), Insoluble Salts	5.15	5.15	5.15					1.9E-05			1.9E-05
7440-48-4	Cobalt	3.25	3.25	3.25			6.3E-12	6.3E-12	5.9E-02		3.1E-07	5.9E-02
7440-50-8	Copper	6.27	6.27	6.27					8.6E-04			8.6E-04
156-59-2	Dichloroethylene, cis-1,2-	0.00216	0.00216	0.00216					5.9E-06		5.9E-07	6.5E-06
7439-92-1	~Lead and Compounds	13	13	13					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	80.9	80.9	80.9					1.8E-02		9.3E-07	1.8E-02
7440-02-0	Nickel Soluble Salts	9.24	9.24	9.24			5.2E-13	5.2E-13	2.5E-03		5.3E-07	2.5E-03
206-44-0	~Fluoranthene	0.496	0.496	0.496					6.8E-05	2.1E-05		8.9E-05
7440-22-4	Silver	0.00851	0.00851	0.00851					9.3E-06			9.3E-06
79-01-6	Trichloroethylene	0.00124	0.00124	0.00124	6.1E-11		2.9E-11	9.0E-11	1.4E-05		6.8E-06	2.0E-05
7440-62-2	Vanadium and Compounds	8.48	8.48	8.48					9.2E-03		4.9E-08	9.2E-03
7440-66-6	Zinc and Compounds	42.8	42.8	42.8					7.8E-04			7.8E-04
						Cumulative:		3.8E-07				1.0E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SED-6 Risk Assessment
Submittal Date:	11/21/2025
Prepared By:	Clay Faircloth
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-6 Risk Assessment

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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
0.099		67-64-1	Acetone			mg/kg	SED-6									
0.478	J	7440-36-0	Antimony (metallic)			mg/kg	SED-6									
2.45		7440-38-2	Arsenic, Inorganic			mg/kg	SED-6									
79.8		7440-39-3	Barium			mg/kg										
0.389	J	7440-41-7	Beryllium and compounds			mg/kg										
0.293	J	7440-43-9	Cadmium (Diet)			mg/kg										
14.4		16065-83-1	Chromium(III), Insoluble Salts			mg/kg										
7.46		7440-48-4	Cobalt			mg/kg										
43.6	B	7440-50-8	Copper			mg/kg										
52.1		7439-92-1	~Lead and Compounds			mg/kg	SED-6									
467		7439-96-5	Manganese (Non-diet)			mg/kg										
0.0119	J	78-93-3	Methyl Ethyl Ketone (2-Butanone)			mg/kg	SED-6									
18.7		7440-02-0	Nickel Soluble Salts			mg/kg	SED-6									
1380	J	14797-55-8	Nitrate (measured as nitrogen)			mg/kg	SED-6									
0.873	J	56-55-3	~Benz[a]anthracene			mg/kg	SED-6									
0.942	J	50-32-8	~Benzo[a]pyrene			mg/kg	SED-6									
1.53	J	205-99-2	~Benzo[b]fluoranthene			mg/kg	SED-6									
0.782	J	207-08-9	~Benzo[k]fluoranthene			mg/kg	SED-6									
1.2	J	218-01-9	~Chrysene			mg/kg	SED-6									
1.73	J	206-44-0	~Fluoranthene			mg/kg										
1.97	J	129-00-0	~Pyrene			mg/kg	SED-6									
0.3	J	7782-49-2	Selenium			mg/kg	SED-6									
0.0636	J	7440-22-4	Silver			mg/kg	SED-6									
0.0674	J	7440-28-0	Thallium (Soluble Salts)			mg/kg	SED-6									
24.9		7440-62-2	Vanadium and Compounds			mg/kg										
182		7440-66-6	Zinc and Compounds			mg/kg										

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-6 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	1.4E-05	9.5E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	1.4E-06	6.5E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	6.0E-06	4.1E-01	NO
	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, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-6 Risk Assessment

** - 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.*

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
67-64-1	Acetone	0.099	0.099	0.099					1.4E-06			1.4E-06
7440-36-0	Antimony (metallic)	0.478	0.478	0.478					1.5E-02		2.6E-08	1.5E-02
7440-38-2	Arsenic, Inorganic	2.45	2.45	2.45	**3.2E-06**	4.5E-07	6.3E-11	3.6E-06	6.3E-02	7.4E-03	2.6E-06	7.0E-02
7440-39-3	Barium	79.8	79.8	79.8					5.1E-03		2.6E-06	5.1E-03
7440-41-7	Beryllium and compounds	0.389	0.389	0.389			5.6E-12	5.6E-12	2.5E-03		3.1E-07	2.5E-03
7440-43-9	Cadmium (Diet)	0.293	0.293	0.293			3.2E-12	3.2E-12	3.7E-02	3.6E-03	4.7E-07	4.1E-02
16065-83-1	Chromium(III), Insoluble Salts	14.4	14.4	14.4					1.2E-04			1.2E-04
7440-48-4	Cobalt	7.46	7.46	7.46			4.0E-10	4.0E-10	**3.2E-01**		2.0E-05	**3.2E-01**
7440-50-8	Copper	43.6	43.6	43.6					1.4E-02			1.4E-02
7439-92-1	~Lead and Compounds	52.1	52.1	52.1					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	467	467	467					**2.5E-01**		1.5E-04	**2.5E-01**
78-93-3	Methyl Ethyl Ketone (2-Butanone)	0.0119	0.0119	0.0119					2.5E-07		1.8E-07	4.3E-07
7440-02-0	Nickel Soluble Salts	18.7	18.7	18.7			2.9E-11	2.9E-11	1.2E-02		3.0E-05	1.2E-02
14797-55-8	Nitrate (measured as nitrogen)	1380	1380	1380					1.1E-02			1.1E-02
56-55-3	~Benz[a]anthracene	0.873	0.873	0.873	5.7E-07	1.9E-07	1.1E-08	7.7E-07				
50-32-8	~Benzo[a]pyrene	0.942	0.942	0.942	**6.2E-06**	**2.1E-06**	9.4E-12	8.2E-06	4.0E-02	1.2E-02	7.6E-06	5.3E-02
205-99-2	~Benzo[b]fluoranthene	1.53	1.53	1.53	1.0E-06	3.3E-07	1.5E-12	1.3E-06				
207-08-9	~Benzo[k]fluoranthene	0.782	0.782	0.782	5.1E-08	1.7E-08	7.8E-14	6.8E-08				
218-01-9	~Chrysene	1.2	1.2	1.2	7.8E-09	2.6E-09	1.2E-14	1.0E-08				
206-44-0	~Fluoranthene	1.73	1.73	1.73					5.5E-04	1.7E-04		7.2E-04
129-00-0	~Pyrene	1.97	1.97	1.97					8.4E-04	2.6E-04		1.1E-03
7782-49-2	Selenium	0.3	0.3	0.3					7.7E-04		2.4E-10	7.7E-04
7440-22-4	Silver	0.0636	0.0636	0.0636					1.6E-04			1.6E-04
7440-28-0	Thallium (Soluble Salts)	0.0674	0.0674	0.0674					8.6E-02			8.6E-02
7440-62-2	Vanadium and Compounds	24.9	24.9	24.9					6.3E-02		4.0E-06	6.3E-02
7440-66-6	Zinc and Compounds	182	182	182					7.8E-03			7.8E-03
						Cumulative:		1.4E-05				9.5E-01

DEQ Risk Calculator - Direct Contact - Non-Residential Worker Soil **Output Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-6 Risk Assessment

** - 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 800 mg/kg for commercial/industrial soil.*

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
67-64-1	Acetone	0.099	0.099	0.099					9.4E-08			9.4E-08
7440-36-0	Antimony (metallic)	0.478	0.478	0.478					1.0E-03		6.1E-09	1.0E-03
7440-38-2	Arsenic, Inorganic	2.45	2.45	2.45	6.7E-07	1.4E-07	1.4E-11	8.2E-07	4.2E-03	8.9E-04	6.3E-07	5.1E-03
7440-39-3	Barium	79.8	79.8	79.8					3.4E-04		6.1E-07	3.4E-04
7440-41-7	Beryllium and compounds	0.389	0.389	0.389			1.3E-12	1.3E-12	1.7E-04		7.5E-08	1.7E-04
7440-43-9	Cadmium (Diet)	0.293	0.293	0.293			7.2E-13	7.2E-13	2.5E-03	4.2E-04	1.1E-07	2.9E-03
16065-83-1	Chromium(III), Insoluble Salts	14.4	14.4	14.4					8.2E-06			8.2E-06
7440-48-4	Cobalt	7.46	7.46	7.46			9.2E-11	9.2E-11	2.1E-02		4.8E-06	2.1E-02
7440-50-8	Copper	43.6	43.6	43.6					9.3E-04			9.3E-04
7439-92-1	~Lead and Compounds	52.1	52.1	52.1					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	467	467	467					1.7E-02		3.6E-05	1.7E-02
78-93-3	Methyl Ethyl Ketone (2-Butanone)	0.0119	0.0119	0.0119					1.7E-08		4.2E-08	5.9E-08
7440-02-0	Nickel Soluble Salts	18.7	18.7	18.7			6.7E-12	6.7E-12	8.0E-04		7.2E-06	8.1E-04
14797-55-8	Nitrate (measured as nitrogen)	1380	1380	1380					7.4E-04			7.4E-04
56-55-3	~Benz[a]anthracene	0.873	0.873	0.873	2.7E-08	1.5E-08	9.1E-10	4.2E-08				
50-32-8	~Benzo[a]pyrene	0.942	0.942	0.942	2.9E-07	1.6E-07	7.8E-13	4.5E-07	2.7E-03	1.5E-03	1.8E-06	4.2E-03
205-99-2	~Benzo[b]fluoranthene	1.53	1.53	1.53	4.7E-08	2.6E-08	1.3E-13	7.3E-08				
207-08-9	~Benzo[k]fluoranthene	0.782	0.782	0.782	2.4E-09	1.3E-09	6.4E-15	3.7E-09				
218-01-9	~Chrysene	1.2	1.2	1.2	3.7E-10	2.0E-10	9.9E-16	5.7E-10				
206-44-0	~Fluoranthene	1.73	1.73	1.73					3.7E-05	2.0E-05		5.7E-05
129-00-0	~Pyrene	1.97	1.97	1.97					5.6E-05	3.1E-05		8.7E-05
7782-49-2	Selenium	0.3	0.3	0.3					5.1E-05		5.8E-11	5.1E-05
7440-22-4	Silver	0.0636	0.0636	0.0636					1.1E-05			1.1E-05
7440-28-0	Thallium (Soluble Salts)	0.0674	0.0674	0.0674					5.8E-03			5.8E-03
7440-62-2	Vanadium and Compounds	24.9	24.9	24.9					4.2E-03		9.6E-07	4.2E-03
7440-66-6	Zinc and Compounds	182	182	182					5.2E-04			5.2E-04
						Cumulative:		1.4E-06				6.5E-02

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Soil **Output Form 2F**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-6 Risk Assessment

** - 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.*

Receptor Type:

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
67-64-1	Acetone	0.099	0.099	0.099					6.0E-07			6.0E-07
7440-36-0	Antimony (metallic)	0.478	0.478	0.478					6.5E-03		9.2E-10	6.5E-03
7440-38-2	Arsenic, Inorganic	2.45	2.45	2.45	**1.4E-06**	1.9E-07	2.3E-12	**1.6E-06**	2.7E-02	3.2E-03	9.4E-08	3.0E-02
7440-39-3	Barium	79.8	79.8	79.8					2.2E-03		9.2E-08	2.2E-03
7440-41-7	Beryllium and compounds	0.389	0.389	0.389			2.0E-13	2.0E-13	1.1E-03		1.1E-08	1.1E-03
7440-43-9	Cadmium (Diet)	0.293	0.293	0.293			1.1E-13	1.1E-13	1.6E-02	1.5E-03	1.7E-08	1.8E-02
16065-83-1	Chromium(III), Insoluble Salts	14.4	14.4	14.4					5.3E-05			5.3E-05
7440-48-4	Cobalt	7.46	7.46	7.46			1.4E-11	1.4E-11	1.4E-01		7.2E-07	1.4E-01
7440-50-8	Copper	43.6	43.6	43.6					6.0E-03			6.0E-03
7439-92-1	~Lead and Compounds	52.1	52.1	52.1					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	467	467	467					1.1E-01		5.4E-06	1.1E-01
78-93-3	Methyl Ethyl Ketone (2-Butanone)	0.0119	0.0119	0.0119					1.1E-07		6.3E-09	1.1E-07
7440-02-0	Nickel Soluble Salts	18.7	18.7	18.7			1.0E-12	1.0E-12	5.1E-03		1.1E-06	5.1E-03
14797-55-8	Nitrate (measured as nitrogen)	1380	1380	1380					4.7E-03			4.7E-03
56-55-3	~Benz[a]anthracene	0.873	0.873	0.873	2.4E-07	8.2E-08	3.9E-10	3.3E-07				
50-32-8	~Benzo[a]pyrene	0.942	0.942	0.942	**2.6E-06**	8.8E-07	3.4E-13	**3.5E-06**	1.7E-02	5.3E-03	2.7E-07	2.3E-02
205-99-2	~Benzo[b]fluoranthene	1.53	1.53	1.53	4.3E-07	1.4E-07	5.5E-14	5.7E-07				
207-08-9	~Benzo[k]fluoranthene	0.782	0.782	0.782	2.2E-08	7.3E-09	2.8E-15	2.9E-08				
218-01-9	~Chrysene	1.2	1.2	1.2	3.4E-09	1.1E-09	4.3E-16	4.5E-09				
206-44-0	~Fluoranthene	1.73	1.73	1.73					2.4E-04	7.3E-05		3.1E-04
129-00-0	~Pyrene	1.97	1.97	1.97					3.6E-04	1.1E-04		4.7E-04
7782-49-2	Selenium	0.3	0.3	0.3					3.3E-04		8.7E-12	3.3E-04
7440-22-4	Silver	0.0636	0.0636	0.0636					7.0E-05			7.0E-05
7440-28-0	Thallium (Soluble Salts)	0.0674	0.0674	0.0674					3.7E-02			3.7E-02
7440-62-2	Vanadium and Compounds	24.9	24.9	24.9					2.7E-02		1.4E-07	2.7E-02
7440-66-6	Zinc and Compounds	182	182	182					3.3E-03			3.3E-03
						Cumulative:		6.0E-06				4.1E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SED-7 Risk Assessment
Submittal Date:	11/21/2025
Prepared By:	Clay Faircloth
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-7 Risk Assessment

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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
0.0921		67-64-1	Acetone			mg/kg	SED-7									
0.627	J	7440-36-0	Antimony (metallic)			mg/kg	SED-7									
2.24		7440-38-2	Arsenic, Inorganic			mg/kg	SED-DUP									
68.1		7440-39-3	Barium			mg/kg	SED-DUP									
0.343	J	7440-41-7	Beryllium and compounds			mg/kg	SED-DUP									
0.262	J	7440-43-9	Cadmium (Diet)			mg/kg	SED-DUP									
13.2		16065-83-1	Chromium(III), Insoluble Salts			mg/kg	SED-DUP									
6.54		7440-48-4	Cobalt			mg/kg	SED-DUP									
33.9	B	7440-50-8	Copper			mg/kg	SED-DUP									
48.8		7439-92-1	~Lead and Compounds			mg/kg	SED-7									
445		7439-96-5	Manganese (Non-diet)			mg/kg	SED-DUP									
0.00922	J	78-93-3	Methyl Ethyl Ketone (2-Butanone)			mg/kg	SED-DUP									
16.3		7440-02-0	Nickel Soluble Salts			mg/kg	SED-DUP									
1010	J	14797-55-8	Nitrate (measured as nitrogen)			mg/kg	SED-DUP									
0.792	J	56-55-3	~Benz[a]anthracene			mg/kg	SED-7									
0.839	J	50-32-8	~Benzo[a]pyrene			mg/kg	SED-DUP									
1.33	J	205-99-2	~Benzo[b]fluoranthene			mg/kg	SED-DUP									
0.737	J	207-08-9	~Benzo[k]fluoranthene			mg/kg	SED-7									
1.03	J	218-01-9	~Chrysene			mg/kg	SED-DUP									
1.41	J	206-44-0	~Fluoranthene			mg/kg	SED-DUP									
1.63	J	129-00-0	~Pyrene			mg/kg	SED-DUP									
0.267	J	7782-49-2	Selenium			mg/kg	SED-DUP									
0.0641	J	7440-22-4	Silver			mg/kg	SED-DUP									
0.0625	J	7440-28-0	Thallium (Soluble Salts)			mg/kg	SED-DUP									
22.2		7440-62-2	Vanadium and Compounds			mg/kg	SED-DUP									
168		7440-66-6	Zinc and Compounds			mg/kg	SED-DUP									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-7 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	1.3E-05	8.7E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	1.3E-06	5.9E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	5.4E-06	3.7E-01	NO
	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, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-7 Risk Assessment

** - 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.*

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
67-64-1	Acetone	0.0921	0.0921	0.0921					1.3E-06			1.3E-06
7440-36-0	Antimony (metallic)	0.627	0.627	0.627					2.0E-02		3.4E-08	2.0E-02
7440-38-2	Arsenic, Inorganic	2.24	2.24	2.24	**2.9E-06**	4.1E-07	5.8E-11	3.3E-06	5.7E-02	6.8E-03	2.4E-06	6.4E-02
7440-39-3	Barium	68.1	68.1	68.1					4.4E-03		2.2E-06	4.4E-03
7440-41-7	Beryllium and compounds	0.343	0.343	0.343			4.9E-12	4.9E-12	2.2E-03		2.8E-07	2.2E-03
7440-43-9	Cadmium (Diet)	0.262	0.262	0.262			2.8E-12	2.8E-12	3.3E-02	3.2E-03	4.2E-07	3.7E-02
16065-83-1	Chromium(III), Insoluble Salts	13.2	13.2	13.2					1.1E-04			1.1E-04
7440-48-4	Cobalt	6.54	6.54	6.54			3.5E-10	3.5E-10	**2.8E-01**		1.8E-05	**2.8E-01**
7440-50-8	Copper	33.9	33.9	33.9					1.1E-02			1.1E-02
7439-92-1	~Lead and Compounds	48.8	48.8	48.8					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	445	445	445					**2.4E-01**		1.4E-04	**2.4E-01**
78-93-3	Methyl Ethyl Ketone (2-Butanone)	0.00922	0.00922	0.00922					2.0E-07		1.4E-07	3.3E-07
7440-02-0	Nickel Soluble Salts	16.3	16.3	16.3			2.5E-11	2.5E-11	1.0E-02		2.6E-05	1.0E-02
14797-55-8	Nitrate (measured as nitrogen)	1010	1010	1010					8.1E-03			8.1E-03
56-55-3	~Benz[a]anthracene	0.792	0.792	0.792	5.2E-07	1.7E-07	1.0E-08	7.0E-07				
50-32-8	~Benzo[a]pyrene	0.839	0.839	0.839	**5.5E-06**	**1.8E-06**	8.4E-12	7.3E-06	3.6E-02	1.1E-02	6.8E-06	4.7E-02
205-99-2	~Benzo[b]fluoranthene	1.33	1.33	1.33	8.7E-07	2.9E-07	1.3E-12	1.2E-06				
207-08-9	~Benzo[k]fluoranthene	0.737	0.737	0.737	4.8E-08	1.6E-08	7.4E-14	6.4E-08				
218-01-9	~Chrysene	1.03	1.03	1.03	6.7E-09	2.2E-09	1.0E-14	9.0E-09				
206-44-0	~Fluoranthene	1.41	1.41	1.41					4.5E-04	1.4E-04		5.9E-04
129-00-0	~Pyrene	1.63	1.63	1.63					6.9E-04	2.1E-04		9.1E-04
7782-49-2	Selenium	0.267	0.267	0.267					6.8E-04		2.2E-10	6.8E-04
7440-22-4	Silver	0.0641	0.0641	0.0641					1.6E-04			1.6E-04
7440-28-0	Thallium (Soluble Salts)	0.0625	0.0625	0.0625					8.0E-02			8.0E-02
7440-62-2	Vanadium and Compounds	22.2	22.2	22.2					5.6E-02		3.6E-06	5.6E-02
7440-66-6	Zinc and Compounds	168	168	168					7.2E-03			7.2E-03
						Cumulative:		1.3E-05				8.7E-01

DEQ Risk Calculator - Direct Contact - Non-Residential Worker Soil **Output Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-7 Risk Assessment

** - 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 800 mg/kg for commercial/industrial soil.*

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
67-64-1	Acetone	0.0921	0.0921	0.0921					8.8E-08			8.8E-08
7440-36-0	Antimony (metallic)	0.627	0.627	0.627					1.3E-03		8.0E-09	1.3E-03
7440-38-2	Arsenic, Inorganic	2.24	2.24	2.24	6.2E-07	1.3E-07	1.3E-11	7.5E-07	3.8E-03	8.1E-04	5.7E-07	4.6E-03
7440-39-3	Barium	68.1	68.1	68.1					2.9E-04		5.2E-07	2.9E-04
7440-41-7	Beryllium and compounds	0.343	0.343	0.343			1.1E-12	1.1E-12	1.5E-04		6.6E-08	1.5E-04
7440-43-9	Cadmium (Diet)	0.262	0.262	0.262			6.5E-13	6.5E-13	2.2E-03	3.8E-04	1.0E-07	2.6E-03
16065-83-1	Chromium(III), Insoluble Salts	13.2	13.2	13.2					7.5E-06			7.5E-06
7440-48-4	Cobalt	6.54	6.54	6.54			8.1E-11	8.1E-11	1.9E-02		4.2E-06	1.9E-02
7440-50-8	Copper	33.9	33.9	33.9					7.3E-04			7.3E-04
7439-92-1	~Lead and Compounds	48.8	48.8	48.8					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	445	445	445					1.6E-02		3.4E-05	1.6E-02
78-93-3	Methyl Ethyl Ketone (2-Butanone)	0.00922	0.00922	0.00922					1.3E-08		3.2E-08	4.6E-08
7440-02-0	Nickel Soluble Salts	16.3	16.3	16.3			5.8E-12	5.8E-12	7.0E-04		6.3E-06	7.0E-04
14797-55-8	Nitrate (measured as nitrogen)	1010	1010	1010					5.4E-04			5.4E-04
56-55-3	~Benz[a]anthracene	0.792	0.792	0.792	2.4E-08	1.3E-08	8.3E-10	3.8E-08				
50-32-8	~Benzo[a]pyrene	0.839	0.839	0.839	2.6E-07	1.4E-07	6.9E-13	4.0E-07	2.4E-03	1.3E-03	1.6E-06	3.7E-03
205-99-2	~Benzo[b]fluoranthene	1.33	1.33	1.33	4.1E-08	2.2E-08	1.1E-13	6.3E-08				
207-08-9	~Benzo[k]fluoranthene	0.737	0.737	0.737	2.3E-09	1.2E-09	6.1E-15	3.5E-09				
218-01-9	~Chrysene	1.03	1.03	1.03	3.1E-10	1.7E-10	8.5E-16	4.9E-10				
206-44-0	~Fluoranthene	1.41	1.41	1.41					3.0E-05	1.7E-05		4.7E-05
129-00-0	~Pyrene	1.63	1.63	1.63					4.7E-05	2.6E-05		7.2E-05
7782-49-2	Selenium	0.267	0.267	0.267					4.6E-05		5.1E-11	4.6E-05
7440-22-4	Silver	0.0641	0.0641	0.0641					1.1E-05			1.1E-05
7440-28-0	Thallium (Soluble Salts)	0.0625	0.0625	0.0625					5.4E-03			5.4E-03
7440-62-2	Vanadium and Compounds	22.2	22.2	22.2					3.8E-03		8.5E-07	3.8E-03
7440-66-6	Zinc and Compounds	168	168	168					4.8E-04			4.8E-04
						Cumulative:		1.3E-06				5.9E-02

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Soil **Output Form 2F**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-7 Risk Assessment

** - 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.*

Receptor Type:

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
67-64-1	Acetone	0.0921	0.0921	0.0921					5.6E-07			5.6E-07
7440-36-0	Antimony (metallic)	0.627	0.627	0.627					8.6E-03		1.2E-09	8.6E-03
7440-38-2	Arsenic, Inorganic	2.24	2.24	2.24	**1.2E-06**	1.7E-07	2.1E-12	**1.4E-06**	2.5E-02	2.9E-03	8.6E-08	2.7E-02
7440-39-3	Barium	68.1	68.1	68.1					1.9E-03		7.9E-08	1.9E-03
7440-41-7	Beryllium and compounds	0.343	0.343	0.343			1.8E-13	1.8E-13	9.4E-04		9.9E-09	9.4E-04
7440-43-9	Cadmium (Diet)	0.262	0.262	0.262			1.0E-13	1.0E-13	1.4E-02	1.4E-03	1.5E-08	1.6E-02
16065-83-1	Chromium(III), Insoluble Salts	13.2	13.2	13.2					4.8E-05			4.8E-05
7440-48-4	Cobalt	6.54	6.54	6.54			1.3E-11	1.3E-11	1.2E-01		6.3E-07	1.2E-01
7440-50-8	Copper	33.9	33.9	33.9					4.6E-03			4.6E-03
7439-92-1	~Lead and Compounds	48.8	48.8	48.8					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	445	445	445					1.0E-01		5.1E-06	1.0E-01
78-93-3	Methyl Ethyl Ketone (2-Butanone)	0.00922	0.00922	0.00922					8.4E-08		4.9E-09	8.9E-08
7440-02-0	Nickel Soluble Salts	16.3	16.3	16.3			9.1E-13	9.1E-13	4.5E-03		9.4E-07	4.5E-03
14797-55-8	Nitrate (measured as nitrogen)	1010	1010	1010					3.5E-03			3.5E-03
56-55-3	~Benz[a]anthracene	0.792	0.792	0.792	2.2E-07	7.4E-08	3.6E-10	3.0E-07				
50-32-8	~Benzo[a]pyrene	0.839	0.839	0.839	**2.3E-06**	7.8E-07	3.0E-13	**3.1E-06**	1.5E-02	4.7E-03	2.4E-07	2.0E-02
205-99-2	~Benzo[b]fluoranthene	1.33	1.33	1.33	3.7E-07	1.2E-07	4.7E-14	5.0E-07				
207-08-9	~Benzo[k]fluoranthene	0.737	0.737	0.737	2.1E-08	6.9E-09	2.6E-15	2.8E-08				
218-01-9	~Chrysene	1.03	1.03	1.03	2.9E-09	9.6E-10	3.7E-16	3.8E-09				
206-44-0	~Fluoranthene	1.41	1.41	1.41					1.9E-04	6.0E-05		2.5E-04
129-00-0	~Pyrene	1.63	1.63	1.63					3.0E-04	9.2E-05		3.9E-04
7782-49-2	Selenium	0.267	0.267	0.267					2.9E-04		7.7E-12	2.9E-04
7440-22-4	Silver	0.0641	0.0641	0.0641					7.0E-05			7.0E-05
7440-28-0	Thallium (Soluble Salts)	0.0625	0.0625	0.0625					3.4E-02			3.4E-02
7440-62-2	Vanadium and Compounds	22.2	22.2	22.2					2.4E-02		1.3E-07	2.4E-02
7440-66-6	Zinc and Compounds	168	168	168					3.1E-03			3.1E-03
						Cumulative:		5.4E-06				3.7E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SED-8 Risk Assessment
Submittal Date:	11/21/2025
Prepared By:	Clay Faircloth
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-8 Risk Assessment

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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
0.0105	J	67-64-1	Acetone			mg/kg	SED-8									
0.663		7440-38-2	Arsenic, Inorganic			mg/kg	SED-8									
15		7440-39-3	Barium			mg/kg	SED-8									
0.106	J	7440-41-7	Beryllium and compounds			mg/kg	SED-8									
0.0758	J	7440-43-9	Cadmium (Diet)			mg/kg	SED-8									
0.00226	J	75-15-0	Carbon Disulfide			mg/kg	SED-8									
6.1		16065-83-1	Chromium(III), Insoluble Salts			mg/kg	SED-8									
4.95		7440-48-4	Cobalt			mg/kg	SED-8									
11.7	B	7440-50-8	Copper			mg/kg	SED-8									
12.2		7439-92-1	~Lead and Compounds			mg/kg	SED-8									
114		7439-96-5	Manganese (Non-diet)			mg/kg	SED-8									
16.7		7440-02-0	Nickel Soluble Salts			mg/kg	SED-8									
0.00978	J	7440-22-4	Silver			mg/kg	SED-8									
10.5		7440-62-2	Vanadium and Compounds			mg/kg	SED-8									
47.3		7440-66-6	Zinc and Compounds			mg/kg	SED-8									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-8 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	9.8E-07	3.5E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	2.2E-07	2.3E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	4.2E-07	1.5E-01	NO
	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, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-8 Risk Assessment

** - 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.*

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
67-64-1	Acetone	0.0105	0.0105	0.0105					1.5E-07			1.5E-07
7440-38-2	Arsenic, Inorganic	0.663	0.663	0.663	8.6E-07	1.2E-07	1.7E-11	9.8E-07	1.7E-02	2.0E-03	7.1E-07	1.9E-02
7440-39-3	Barium	15	15	15					9.6E-04		4.8E-07	9.6E-04
7440-41-7	Beryllium and compounds	0.106	0.106	0.106			1.5E-12	1.5E-12	6.8E-04		8.6E-08	6.8E-04
7440-43-9	Cadmium (Diet)	0.0758	0.0758	0.0758			8.2E-13	8.2E-13	9.7E-03	9.2E-04	1.2E-07	1.1E-02
75-15-0	Carbon Disulfide	0.00226	0.00226	0.00226					2.9E-07		9.9E-07	1.3E-06
16065-83-1	Chromium(III), Insoluble Salts	6.1	6.1	6.1					5.2E-05			5.2E-05
7440-48-4	Cobalt	4.95	4.95	4.95			2.7E-10	2.7E-10	**2.1E-01**		1.3E-05	**2.1E-01**
7440-50-8	Copper	11.7	11.7	11.7					3.7E-03			3.7E-03
7439-92-1	~Lead and Compounds	12.2	12.2	12.2					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	114	114	114					6.1E-02		3.7E-05	6.1E-02
7440-02-0	Nickel Soluble Salts	16.7	16.7	16.7			2.6E-11	2.6E-11	1.1E-02		2.7E-05	1.1E-02
7440-22-4	Silver	0.00978	0.00978	0.00978					2.5E-05			2.5E-05
7440-62-2	Vanadium and Compounds	10.5	10.5	10.5					2.7E-02		1.7E-06	2.7E-02
7440-66-6	Zinc and Compounds	47.3	47.3	47.3					2.0E-03			2.0E-03
						Cumulative:		9.8E-07				3.5E-01

DEQ Risk Calculator - Direct Contact - Non-Residential Worker Soil **Output Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-8 Risk Assessment

** - 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 800 mg/kg for commercial/industrial soil.*

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
67-64-1	Acetone	0.0105	0.0105	0.0105					1.0E-08			1.0E-08
7440-38-2	Arsenic, Inorganic	0.663	0.663	0.663	1.8E-07	3.9E-08	3.9E-12	2.2E-07	1.1E-03	2.4E-04	1.7E-07	1.4E-03
7440-39-3	Barium	15	15	15					6.4E-05		1.2E-07	6.4E-05
7440-41-7	Beryllium and compounds	0.106	0.106	0.106			3.5E-13	3.5E-13	4.5E-05		2.0E-08	4.5E-05
7440-43-9	Cadmium (Diet)	0.0758	0.0758	0.0758			1.9E-13	1.9E-13	6.5E-04	1.1E-04	2.9E-08	7.6E-04
75-15-0	Carbon Disulfide	0.00226	0.00226	0.00226					1.9E-08		2.3E-07	2.5E-07
16065-83-1	Chromium(III), Insoluble Salts	6.1	6.1	6.1					3.5E-06			3.5E-06
7440-48-4	Cobalt	4.95	4.95	4.95			6.1E-11	6.1E-11	1.4E-02		3.2E-06	1.4E-02
7440-50-8	Copper	11.7	11.7	11.7					2.5E-04			2.5E-04
7439-92-1	~Lead and Compounds	12.2	12.2	12.2					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	114	114	114					4.1E-03		8.8E-06	4.1E-03
7440-02-0	Nickel Soluble Salts	16.7	16.7	16.7			6.0E-12	6.0E-12	7.1E-04		6.4E-06	7.2E-04
7440-22-4	Silver	0.00978	0.00978	0.00978					1.7E-06			1.7E-06
7440-62-2	Vanadium and Compounds	10.5	10.5	10.5					1.8E-03		4.0E-07	1.8E-03
7440-66-6	Zinc and Compounds	47.3	47.3	47.3					1.3E-04			1.3E-04
						Cumulative:		2.2E-07				2.3E-02

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Soil **Output Form 2F**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-8 Risk Assessment

** - 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.*

Receptor Type:

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
67-64-1	Acetone	0.0105	0.0105	0.0105					6.4E-08			6.4E-08
7440-38-2	Arsenic, Inorganic	0.663	0.663	0.663	3.7E-07	5.2E-08	6.1E-13	4.2E-07	7.3E-03	8.6E-04	2.6E-08	8.1E-03
7440-39-3	Barium	15	15	15					4.1E-04		1.7E-08	4.1E-04
7440-41-7	Beryllium and compounds	0.106	0.106	0.106			5.5E-14	5.5E-14	2.9E-04		3.1E-09	2.9E-04
7440-43-9	Cadmium (Diet)	0.0758	0.0758	0.0758			2.9E-14	2.9E-14	4.2E-03	3.9E-04	4.4E-09	4.5E-03
75-15-0	Carbon Disulfide	0.00226	0.00226	0.00226					1.2E-07		3.5E-08	1.6E-07
16065-83-1	Chromium(III), Insoluble Salts	6.1	6.1	6.1					2.2E-05			2.2E-05
7440-48-4	Cobalt	4.95	4.95	4.95			9.6E-12	9.6E-12	9.0E-02		4.8E-07	9.0E-02
7440-50-8	Copper	11.7	11.7	11.7					1.6E-03			1.6E-03
7439-92-1	~Lead and Compounds	12.2	12.2	12.2					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	114	114	114					2.6E-02		1.3E-06	2.6E-02
7440-02-0	Nickel Soluble Salts	16.7	16.7	16.7			9.3E-13	9.3E-13	4.6E-03		9.6E-07	4.6E-03
7440-22-4	Silver	0.00978	0.00978	0.00978					1.1E-05			1.1E-05
7440-62-2	Vanadium and Compounds	10.5	10.5	10.5					1.1E-02		6.1E-08	1.1E-02
7440-66-6	Zinc and Compounds	47.3	47.3	47.3					8.6E-04			8.6E-04
						Cumulative:		4.2E-07				1.5E-01

North Carolina Department of Environmental Quality
Risk Calculator

Version Date:	January 2025
Basis:	November 2024 EPA RSL Table
Site Name:	City of Durham Parks - East End Park
Site Address:	1200 N. Alston Avenue, Durham, North Carolina
DEQ Section:	Pre-Regulatory Landfill Group
Site ID:	NONCD0000823
Exposure Unit ID:	SED-9 Risk Assessment
Submittal Date:	11/21/2025
Prepared By:	Clay Faircloth
Reviewed By:	Jerry Paul

Exposure Point Concentrations **Input Form 2A**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-9 Risk Assessment

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

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
0.026		67-64-1	Acetone			mg/kg	SED-9									
0.137	J	7440-36-0	Antimony (metallic)			mg/kg	SED-9									
1.03		7440-38-2	Arsenic, Inorganic			mg/kg	SED-9									
20.2		7440-39-3	Barium			mg/kg	SED-9									
0.15	J	7440-41-7	Beryllium and compounds			mg/kg	SED-9									
0.0958	J	7440-43-9	Cadmium (Diet)			mg/kg	SED-9									
8.85		16065-83-1	Chromium(III), Insoluble Salts			mg/kg	SED-9									
5.23		7440-48-4	Cobalt			mg/kg	SED-9									
12.9	B	7440-50-8	Copper			mg/kg	SED-9									
15.1		7439-92-1	~Lead and Compounds			mg/kg	SED-9									
144		7439-96-5	Manganese (Non-diet)			mg/kg	SED-9									
0.00444	J	78-93-3	Methyl Ethyl Ketone (2-Butanone)			mg/kg	SED-9									
18.8		7440-02-0	Nickel Soluble Salts			mg/kg	SED-9									
0.959	J	56-55-3	~Benz[a]anthracene			mg/kg	SED-9									
0.974	J	50-32-8	~Benzo[a]pyrene			mg/kg	SED-9									
1.28	J	205-99-2	~Benzo[b]fluoranthene			mg/kg	SED-9									
0.799	J	207-08-9	~Benzo[k]fluoranthene			mg/kg	SED-9									
1.01	J	218-01-9	~Chrysene			mg/kg	SED-9									
1.63	J	206-44-0	~Fluoranthene			mg/kg	SED-9									
1.81	J	129-00-0	~Pyrene			mg/kg	SED-9									
0.0143	J	7440-22-4	Silver			mg/kg	SED-9									
17.2		7440-62-2	Vanadium and Compounds			mg/kg	SED-9									
55.1		7440-66-6	Zinc and Compounds			mg/kg	SED-9									

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-9 Risk Assessment

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	1.2E-05	4.7E-01	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	9.2E-07	3.2E-02	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	NC	NC	NC
Recreator/Trespasser	Soil	5.2E-06	2.0E-01	NO
	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, required contaminant migration parameters were not entered.
4. NC = Pathway not calculated, user did not check this pathway as complete.

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

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-9 Risk Assessment

** - 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.*

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
67-64-1	Acetone	0.026	0.026	0.026					3.7E-07			3.7E-07
7440-36-0	Antimony (metallic)	0.137	0.137	0.137					4.4E-03		7.4E-09	4.4E-03
7440-38-2	Arsenic, Inorganic	1.03	1.03	1.03	**1.3E-06**	1.9E-07	2.7E-11	1.5E-06	2.6E-02	3.1E-03	1.1E-06	2.9E-02
7440-39-3	Barium	20.2	20.2	20.2					1.3E-03		6.5E-07	1.3E-03
7440-41-7	Beryllium and compounds	0.15	0.15	0.15			2.2E-12	2.2E-12	9.6E-04		1.2E-07	9.6E-04
7440-43-9	Cadmium (Diet)	0.0958	0.0958	0.0958			1.0E-12	1.0E-12	1.2E-02	1.2E-03	1.5E-07	1.3E-02
16065-83-1	Chromium(III), Insoluble Salts	8.85	8.85	8.85					7.5E-05			7.5E-05
7440-48-4	Cobalt	5.23	5.23	5.23			2.8E-10	2.8E-10	**2.2E-01**		1.4E-05	**2.2E-01**
7440-50-8	Copper	12.9	12.9	12.9					4.1E-03			4.1E-03
7439-92-1	~Lead and Compounds	15.1	15.1	15.1					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	144	144	144					7.7E-02		4.7E-05	7.7E-02
78-93-3	Methyl Ethyl Ketone (2-Butanone)	0.00444	0.00444	0.00444					9.5E-08		6.6E-08	1.6E-07
7440-02-0	Nickel Soluble Salts	18.8	18.8	18.8			2.9E-11	2.9E-11	1.2E-02		3.0E-05	1.2E-02
56-55-3	~Benz[a]anthracene	0.959	0.959	0.959	6.3E-07	2.1E-07	1.2E-08	8.5E-07				
50-32-8	~Benzo[a]pyrene	0.974	0.974	0.974	**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	1.28	1.28	1.28	8.4E-07	2.8E-07	1.3E-12	1.1E-06				
207-08-9	~Benzo[k]fluoranthene	0.799	0.799	0.799	5.2E-08	1.7E-08	8.0E-14	7.0E-08				
218-01-9	~Chrysene	1.01	1.01	1.01	6.6E-09	2.2E-09	1.0E-14	8.8E-09				
206-44-0	~Fluoranthene	1.63	1.63	1.63					5.2E-04	1.6E-04		6.8E-04
129-00-0	~Pyrene	1.81	1.81	1.81					7.7E-04	2.4E-04		1.0E-03
7440-22-4	Silver	0.0143	0.0143	0.0143					3.7E-05			3.7E-05
7440-62-2	Vanadium and Compounds	17.2	17.2	17.2					4.4E-02		2.8E-06	4.4E-02
7440-66-6	Zinc and Compounds	55.1	55.1	55.1					2.3E-03			2.3E-03
						Cumulative:		1.2E-05				4.7E-01

DEQ Risk Calculator - Direct Contact - Non-Residential Worker Soil **Output Form 2C**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-9 Risk Assessment

** - 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 800 mg/kg for commercial/industrial soil.*

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
67-64-1	Acetone	0.026	0.026	0.026					2.5E-08			2.5E-08
7440-36-0	Antimony (metallic)	0.137	0.137	0.137					2.9E-04		1.8E-09	2.9E-04
7440-38-2	Arsenic, Inorganic	1.03	1.03	1.03	2.8E-07	6.0E-08	6.1E-12	3.4E-07	1.8E-03	3.7E-04	2.6E-07	2.1E-03
7440-39-3	Barium	20.2	20.2	20.2					8.6E-05		1.6E-07	8.7E-05
7440-41-7	Beryllium and compounds	0.15	0.15	0.15			4.9E-13	4.9E-13	6.4E-05		2.9E-08	6.4E-05
7440-43-9	Cadmium (Diet)	0.0958	0.0958	0.0958			2.4E-13	2.4E-13	8.2E-04	1.4E-04	3.7E-08	9.6E-04
16065-83-1	Chromium(III), Insoluble Salts	8.85	8.85	8.85					5.1E-06			5.1E-06
7440-48-4	Cobalt	5.23	5.23	5.23			6.5E-11	6.5E-11	1.5E-02		3.4E-06	1.5E-02
7440-50-8	Copper	12.9	12.9	12.9					2.8E-04			2.8E-04
7439-92-1	~Lead and Compounds	15.1	15.1	15.1					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	144	144	144					5.1E-03		1.1E-05	5.1E-03
78-93-3	Methyl Ethyl Ketone (2-Butanone)	0.00444	0.00444	0.00444					6.3E-09		1.6E-08	2.2E-08
7440-02-0	Nickel Soluble Salts	18.8	18.8	18.8			6.7E-12	6.7E-12	8.0E-04		7.2E-06	8.1E-04
56-55-3	~Benz[a]anthracene	0.959	0.959	0.959	2.9E-08	1.6E-08	1.0E-09	4.6E-08				
50-32-8	~Benzo[a]pyrene	0.974	0.974	0.974	3.0E-07	1.6E-07	8.0E-13	4.6E-07	2.8E-03	1.5E-03	1.9E-06	4.3E-03
205-99-2	~Benzo[b]fluoranthene	1.28	1.28	1.28	3.9E-08	2.2E-08	1.1E-13	6.1E-08				
207-08-9	~Benzo[k]fluoranthene	0.799	0.799	0.799	2.4E-09	1.3E-09	6.6E-15	3.8E-09				
218-01-9	~Chrysene	1.01	1.01	1.01	3.1E-10	1.7E-10	8.3E-16	4.8E-10				
206-44-0	~Fluoranthene	1.63	1.63	1.63					3.5E-05	1.9E-05		5.4E-05
129-00-0	~Pyrene	1.81	1.81	1.81					5.2E-05	2.8E-05		8.0E-05
7440-22-4	Silver	0.0143	0.0143	0.0143					2.4E-06			2.4E-06
7440-62-2	Vanadium and Compounds	17.2	17.2	17.2					2.9E-03		6.6E-07	2.9E-03
7440-66-6	Zinc and Compounds	55.1	55.1	55.1					1.6E-04			1.6E-04
						Cumulative:		9.2E-07				3.2E-02

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Soil **Output Form 2F**

Version Date: January 2025

Basis: November 2024 EPA RSL Table

Site ID: NONCD0000823

Exposure Unit ID: SED-9 Risk Assessment

** - 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.*

Receptor Type:

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
67-64-1	Acetone	0.026	0.026	0.026					1.6E-07			1.6E-07
7440-36-0	Antimony (metallic)	0.137	0.137	0.137					1.9E-03		2.6E-10	1.9E-03
7440-38-2	Arsenic, Inorganic	1.03	1.03	1.03	5.7E-07	8.0E-08	9.5E-13	6.5E-07	1.1E-02	1.3E-03	4.0E-08	1.3E-02
7440-39-3	Barium	20.2	20.2	20.2					5.5E-04		2.3E-08	5.5E-04
7440-41-7	Beryllium and compounds	0.15	0.15	0.15			7.7E-14	7.7E-14	4.1E-04		4.3E-09	4.1E-04
7440-43-9	Cadmium (Diet)	0.0958	0.0958	0.0958			3.7E-14	3.7E-14	5.2E-03	5.0E-04	5.5E-09	5.7E-03
16065-83-1	Chromium(III), Insoluble Salts	8.85	8.85	8.85					3.2E-05			3.2E-05
7440-48-4	Cobalt	5.23	5.23	5.23			1.0E-11	1.0E-11	9.6E-02		5.0E-07	9.6E-02
7440-50-8	Copper	12.9	12.9	12.9					1.8E-03			1.8E-03
7439-92-1	~Lead and Compounds	15.1	15.1	15.1					**<SL****	**<SL****	**<SL****	
7439-96-5	Manganese (Non-diet)	144	144	144					3.3E-02		1.7E-06	3.3E-02
78-93-3	Methyl Ethyl Ketone (2-Butanone)	0.00444	0.00444	0.00444					4.1E-08		2.3E-09	4.3E-08
7440-02-0	Nickel Soluble Salts	18.8	18.8	18.8			1.0E-12	1.0E-12	5.2E-03		1.1E-06	5.2E-03
56-55-3	~Benz[a]anthracene	0.959	0.959	0.959	2.7E-07	9.0E-08	4.3E-10	3.6E-07				
50-32-8	~Benzo[a]pyrene	0.974	0.974	0.974	**2.7E-06**	9.1E-07	3.5E-13	**3.6E-06**	1.8E-02	5.5E-03	2.8E-07	2.3E-02
205-99-2	~Benzo[b]fluoranthene	1.28	1.28	1.28	3.6E-07	1.2E-07	4.6E-14	4.8E-07				
207-08-9	~Benzo[k]fluoranthene	0.799	0.799	0.799	2.2E-08	7.5E-09	2.8E-15	3.0E-08				
218-01-9	~Chrysene	1.01	1.01	1.01	2.8E-09	9.4E-10	3.6E-16	3.8E-09				
206-44-0	~Fluoranthene	1.63	1.63	1.63					2.2E-04	6.9E-05		2.9E-04
129-00-0	~Pyrene	1.81	1.81	1.81					3.3E-04	1.0E-04		4.3E-04
7440-22-4	Silver	0.0143	0.0143	0.0143					1.6E-05			1.6E-05
7440-62-2	Vanadium and Compounds	17.2	17.2	17.2					1.9E-02		9.9E-08	1.9E-02
7440-66-6	Zinc and Compounds	55.1	55.1	55.1					1.0E-03			1.0E-03
						Cumulative:		5.2E-06				2.0E-01